

Appendix G. Bibliography of ECOTOX Papers

G-1. ECOTOX Accepted Papers

1. Abdel-Rahman, A., Dechkovskaia, A. M., Goldstein, L. B., Bullman, S. H., Khan, W., El-Masry, E. M., and Abou-Donia, M. B. (2004). Neurological Deficits Induced by Malathion, DEET, and Permethrin, Alone or in Combination in Adult Rats. *J.Toxicol.EnvIRON.Health Part A* 67: 331-356.

EcoReference No.: 89117

Chemical of Concern: MLN,PMR,DEET; Habitat: T; Effect Codes: BEH,BCM,CEL; Rejection Code: LITE EVAL CODED(MLN,PMR).

2. Abdel-Rahman, A., Shetty, A. K., and Abou-Donia, M. B. (2001). Subchronic Dermal Application of N,N-Diethyl M-Toluamide (DEET) and Permethrin to Adult Rats, Alone or in Combination, Causes Diffuse Neuronal Cell Death and Cytoskeletal Abnormalities in the Cerebral Cortex and the Hippocampus, and Purkinje Neuron Loss in the Cerebellum. *Exp.Neurol.* 172 : 153-171.

EcoReference No.: 99532

Chemical of Concern: PMR,DEET; Habitat: T; Effect Codes: BCM,CEL,PHY,GRO; Rejection Code: LITE EVAL CODED(PMR).

3. Abou-Donia, M. B., Dechkovskaia, A. M., Goldstein, L. B., Abdel-Rahman, A., Bullman, S. L., and Khan, W. A. (2004). Co-Exposure to Pyridostigmine Bromide, DEET, and/or Permethrin Causes Sensorimotor Deficit and Alterations in Brain Acetylcholinesterase Activity. *Pharmacol.Biochem.Behav.* 77: 253-262.

EcoReference No.: 99534

Chemical of Concern: DEET,PMR; Habitat: T; Effect Codes: GRO,PHY,BCM,BEH; Rejection Code: LITE EVAL CODED(PMR).

4. Abou-Donia, M. B., Goldstein, L. B., Dechkovskaia, A., Bullman, S., Jones, K. H., Herrick, E. A., Abdel-Rahman, A. A., and Khan, W. A. (2001). Effects of Daily Dermal Application of DEET and Permethrin, Alone and in Combination, on Sensorimotor Performance, Blood-Brain Barrier, and Blood-Testis Barrier in Rats. *J.Toxicol.EnvIRON.Health Part A* 62: 523-541.

EcoReference No.: 99654

Chemical of Concern: DEET,PMR; Habitat: T; Effect Codes: PHY,GRO,BCM; Rejection Code: LITE EVAL CODED(PMR).

5. Abou-Donia, M. B., Goldstein, L. B., Jones, K. H., Abdel-Rahman, A. A., Damodaran, T. V., Dechkovskaia, A. M., Bullman, S. L., Amir, B. E., and Khan, W. A. (2001). Locomotor and Sensorimotor Performance Deficit in Rats Following Exposure to Pyridostigmine Bromide, DEET, and Permethrin, Alone and in Combination. *Toxicol.Sci.* 60: 305-314.

EcoReference No.: 99653

Chemical of Concern: DEET,PMR; Habitat: T; Effect Codes: BCM,PHY; Rejection Code: LITE EVAL CODED(PMR).

6. Abou-Donia, M. B., Wilmarth, K. R., Jensen, K. F., Oehme, F. W., and Kurt, T. L. (1996). Neurotoxicity Resulting from Coexposure to Pyridostigmine Bromide, DEET, and Permethrin: Implications of Gulf War Chemical Exposures. *J.Toxicol.EnvIRON.Health* 48: 35-56.

EcoReference No.: 72825

Chemical of Concern: DEET,PMR; Habitat: T; Effect Codes: MOR,GRO,PHY,BEH,BCM,CEL; Rejection Code: LITE EVAL CODED(PMR).

7. Alexander, T. C., Meisch, M. V., Kottkamp, W. B., and Anderson, A. L. (1982). Effect of Notonectids on Mosquito Larvae and Preliminary Observations of Insecticide Toxicity. *Ark.Farm Res.* 31: 5.
- EcoReference No.: 60696
 Chemical of Concern: PMR,TMP,EPRN,FNTH; Habitat: A; Effect Codes: MOR; Rejection Code: LITE EVAL CODED(PMR,TMP,EPRN,FNTH).
8. Ali, A. (1981). Laboratory Evaluation of Organophosphate and New Synthetic Pyrethroid Insecticides Against Pesticiferous Chironomid Midges of Central Florida. *Mosq.News* 41: 157-161.
- EcoReference No.: 5559
 Chemical of Concern: TMP,FNTH,MLN,CPY,CYP,PMR,PYT; Habitat: A; Effect Codes: MOR; Rejection Code: LITE EVAL CODED(CPY,CYP,MLN,PMR),OK(ALL CHEMS).
9. Ali, A., Chowdhury, M. A., Hossain, M. I., Ameen, M., Habiba, D. B., and Aslam, A. F. M. (1999). Laboratory Evaluation of Selected Larvicides and Insect Growth Regulators Against Field-Collected *Culex quinquefasciatus* Larvae from Urban Dhaka, Bangladesh. *J.Am.Mosq.Control Assoc.* 15: 43-47.
- EcoReference No.: 62487
 Chemical of Concern: TMP,FPN,BFT,FNTH,CPYM,DFZ,CPY,CYP,MLN,PMR; Habitat: A; Effect Codes: MOR; Rejection Code: LITE EVAL CODED(FPN,CYP,MLN,CPY,CPYM,PMR),OK(BFT,FNTH,DFZ,TMP).
10. Ali, A., Majori, G., Ceretti, G., D'Andrea, F., Scattolin, M., and Ferrarese, U. (1985). A Chironomid (Diptera: Chironomidae) Midge Population Study and Laboratory Evaluation of Larvicides Against Midges Inhabiting the Lagoon of Venice, Italy. *J.Am.Mosq.Control Assoc.* 1: 63-68.
- EcoReference No.: 11927
 Chemical of Concern: TMP,FNTH,FNT,CPY,CYP,PMR,DM; Habitat: A; Effect Codes: MOR; Rejection Code: LITE EVAL CODED(CYP,CPY,PMR),OK(ALL CHEMS).
11. Ali, A., Nayar, J. K., and Xue, R.-D. (1995). Comparative Toxicity of Selected Larvicides and Insect Growth Regulators to a Florida Laboratory Population of *Aedes albopictus*. *J.Am.Mosq.Control Assoc.* 11: 72-76.
- EcoReference No.: 16077
 Chemical of Concern: PYX,BFT,DFZ,FNTH,MLN,CPY,TMP,CYP,PMR,MTPN,CPYM; Habitat: A; Effect Codes: MOR; Rejection Code: LITE EVAL CODED(CPYM,CPY,MLN,MTPN,CYP,BFT,PMR).
12. Alzogaray, R. A., Picollo, M. I., and Zerba, E. N. (1998). Independent and Joint Action of cis- and trans-Permethrin in *Triatoma infestans* (Hemiptera: Reduviidae). *Arch.Insect Biochem.Physiol.* 37: 225-230.
- EcoReference No.: 72810
 Chemical of Concern: TPMR,CPMR,PMR; Habitat: T; Effect Codes: BEH; Rejection Code: LITE EVAL CODED(PMR,TPMR,CPMR).
13. Alzogaray, R. A. and Zerba, E. N. (1996). Comparative Toxicity of Deltamethrin and cis-Permethrin on First Instars of *Triatoma infestans* (Hemiptera: Reduviidae). *J.Med.Entomol.* 3: 58-62.
- EcoReference No.: 20256
 Chemical of Concern: DM,PMR; Habitat: A; Effect Codes: BEH,GRO,MOR,PHY; Rejection Code: LITE EVAL CODED(PMR).
14. Anadon, A., Diez, M. J., Sierra, M., Sanchez, J. A., and Teran, M. T. (1988). Microsomal Enzyme Induction by

Permethrin in Rats. *Vet.Hum.Toxicol.* 30: 309-312.

EcoReference No.: 99853

Chemical of Concern: PMR; Habitat: T; Effect Codes: BCM; Rejection Code: LITE EVAL CODED(PMR).

15. Anderson, B. S., Phillips, B. M., Hunt, J. W., Connor, V., Richard, N., and Tjeerdema, R. S. (2006). Identifying Primary Stressors Impacting Macroinvertebrates in the Salinas River (California, USA): Relative Effects of Pesticides and Suspended Particles. *Environ.Pollut.* 141: 402-408.

EcoReference No.: 90039

Chemical of Concern: CPY,DZ,BFT,PMR; Habitat: A; Effect Codes: MOR; Rejection Code: LITE EVAL CODED(CPY,PMR).

16. Anderson, R. L. (1982). Toxicity of Fenvalerate and Permethrin to Several Nontarget Aquatic Invertebrates. *Environ.Entomol.* 11: 1251-1257.

EcoReference No.: 15180

Chemical of Concern: PMR,FNV; Habitat: A; Effect Codes: ACC,CEL,PHY,MOR; Rejection Code: LITE EVAL CODED(PMR),NO CONTROL(FNV).

17. Asjes, C. J. (1985). Control of Field Spread of Non-Persistent Viruses in Flower-Bulb Crops by Synthetic Pyrethroid and Pirimicarb Insecticides, and Mineral Oils. *Crop Prot.* 4: 485-493.

EcoReference No.: 92936

Chemical of Concern: FNV,DM,CYP,PMR; Habitat: T; Effect Codes: PHY,POP; Rejection Code: LITE EVAL CODED(FNV,DM,PMR),OK(CYP).

18. Atkins, E. L. and Kellum, D. (1986). Comparative Morphogenic and Toxicity Studies on the Effect of Pesticides on Honeybee Brood. *J.Apic.Res.* 25: 242-255 .

EcoReference No.: 70351

Chemical of Concern:

Ziram,BMY,MTM,ADC,MDT,CYP,PFF,AND,DZ,Naled,MVP,MLN,DS,CYT,DMT,FNV,PPG,PMR,OXD,FTT,MOM,EN,ES,CPY,ACP,MP,CBL,Captan; Habitat: T; Effect Codes: MOR,GRO,PHY; Rejection Code: LITE EVAL CODED(DZ,MOM,PFF,PMR,MDT,OML,MVP,MTM,MTM,ACP,OXD,ES,DS,Naled,MLN,DMT,M P,FNV,CPY,PPG),OK(CBL,Captan).

19. Bartels, D. W., Bolin, P. C., and Hutchinson, W. D. (1995). Insecticidal and Microbial Control of Lepidopteran Pests in Minnesota Cabbage, 1994. *Arthropod Manag.Tests* 20: 68-69 (6E).

EcoReference No.: 82447

Chemical of Concern: DKGNa,PMR,CYH,CYP,FPN,TDC; Habitat: T; Effect Codes: POP,PHY; Rejection Code: LITE EVAL CODED(DKGNa,PMR,CYH,CYP,FPN,TDC).

20. Bartels, D. W. and Hutchison, W. D. (1991). Microbial Control of First-Generation ECB on Whorl Stage Corn 1990. *Insect.Acaric.Tests* 16: 72-73.

EcoReference No.: 82474

Chemical of Concern: DKGNa,CBF,PMR,CPY; Habitat: T; Effect Codes: POP; Rejection Code: LITE EVAL CODED(CPY,DKGNa,CBF,PMR).

21. Baser, S., Erkoç, F., Selvi, M., and Kocak, O. (2003). Investigation of Acute Toxicity of Permethrin on Guppies *Poecilia reticulata*. *Chemosphere* 51: 469-474.

- EcoReference No.: 71220
Chemical of Concern: PMR; Habitat: A; Effect Codes: MOR,BEH; Rejection Code: LITE EVAL CODED(PMR).
22. Baur, M. E., Ellis, J., Hutchinson, K., and Boethel, D. J. (2003). Contact Toxicity of Selective Insecticides for Non-target Predaceous Hemipterans in Soybeans. *J.Entomol.Sci.* 38: 269-277.
- EcoReference No.: 82481
Chemical of Concern: MOM,MFZ,TDC,PMR,SS,LCYT,ACE; Habitat: T; Effect Codes: MOR; Rejection Code: LITE EVAL CODED(MFZ,TDC,PMR,MOM,SS,LCYT,ACE).
23. Berrill, M., Bertram, S., Wilson, A., Louis, S., Brigham, D., and Stromberg, C. (1993). Lethal and Sublethal Impacts of Pyrethroid Insecticides on Amphibian Embryos and Tadpoles. *Environ.Toxicol.Chem.* 12: 525-539.
- EcoReference No.: 2850
Chemical of Concern: PMR,PYT,FNV,EFV; Habitat: A; Effect Codes: BEH,GRO,MOR,PHY,REP; Rejection Code: LITE EVAL CODED(PMR),NO ENDPOINT(FNV,PYT).
24. Blanco, C. A., McGee, J. W., Walton, L. C., and Miller, R. (2000). Control of Lepidoptera with Intrepid (Methoxyfenozide). *In:Proc.Beltwide Cotton Conf.* 2: 1182-1184.
- EcoReference No.: 82464
Chemical of Concern: MFZ,TUZ,SS,TDC,LCYT,PMR; Habitat: T; Effect Codes: POP; Rejection Code: LITE EVAL CODED(PMR,MFZ,LCYT,TUZ,SS,TDC).
25. Blaylock, B. L., Abdel-Nasser, M., McCarty, S. M., Knesel, J. A., Tolson, K. M., Ferguson, P. W., and Mehendale, H. M. (1995). Suppression of Cellular Immune Responses in BALB/c Mice Following Oral Exposure to Permethrin. *Bull.EnvIRON.Contam.Toxicol.* 54: 768-744.
- EcoReference No.: 47625
Chemical of Concern: PMR; Habitat: T; Effect Codes: GRO,PHY,CEL; Rejection Code: LITE EVAL CODED(PMR).
26. Bloom, A. S., Staats, C. G., and Dieringer, T. (1983). Pyrethroid Effects on Operant Responding and Feeding. *Neurobehav.Toxicol.Teratol.* 5: 321-324.
- EcoReference No.: 99914
Chemical of Concern: PMR,DM; Habitat: T; Effect Codes: BEH; Rejection Code: LITE EVAL CODED(PMR).
27. Bloomquist, J. R. (2000). Insecticide Exposure in Parkinsonism. *Annual Report.1 Jan 99 - 31 Dec 99.Virginia Polytechnic Inst.and State Univ.Blackburg, VA* 39 p. (NTIS# ADA388559).
- EcoReference No.: 97332
Chemical of Concern: CPY,PMR; Habitat: T; Effect Codes: MOR,BCM,CEL,BEH; Rejection Code: LITE EVAL CODED(PMR),OK(CPY).
28. Bloomquist, J. R., Barlow, R. L., Gillette, J. S., Li, W., and Kirby, M. L. (2002). Selective Effects of Insecticides on Nigrostriatal Dopaminergic Nerve Pathways. *Neurotoxicology* 23: 537-544.
- EcoReference No.: 92572
Chemical of Concern: HPT,DM,PMR,CPY; Habitat: T; Effect Codes: BCM; Rejection Code: LITE EVAL CODED(CPY,PMR).
29. Bringolf, R. B., Cope, W. G., Barnhart, M. C., Mosher, S., Lazaro, P. R., and Shea, D. (2007). Acute and

Chronic Toxicity of Pesticide Formulations (Atrazine, Chlorpyrifos, and Permethrin) to Glochidia and Juveniles of *Lampsilis siliquoidea*. *Environ.Toxicol.Chem.* 26: 2101-2107.

EcoReference No.: 99469

Chemical of Concern: ATZ,CPY,PMR; Habitat: A; Effect Codes: PHY,GRO; Rejection Code: LITE EVAL CODED(PMR),OK(ATZ,CPY).

30. Bringolf, R. B., Cope, W. G., Eads, C. B., Lazaro, P. R., Barnhart, M. C., and Shea, D. (2007). Acute and Chronic Toxicity of Technical-Grade Pesticides to Glochidia and Juveniles of Freshwater Mussels (Unionidae). *Environ.Toxicol.Chem.* 26: 2086-2093.

EcoReference No.: 100597

Chemical of Concern: PRC,PCZ,ATZ,PDM,FPN,PMR,NaCl; Habitat: A; Effect Codes: MOR,GRO; Rejection Code: LITE EVAL CODED(PMR).

31. Brunner, J. F., Dunley, J. E., Doerr, M. D., and Beers, E. H. (2001). Effect of Pesticides on *Colpoclypeus florus* (Hymenoptera: Eulophidae) and *Trichogramma platneri* (Hymenoptera: Trichogrammatidae), Parasitoids of Leafrollers in Washington. *J.Econ.Entomol.* 94: 1075-1084.

EcoReference No.: 63713

Chemical of Concern:

AZ,DZ,DMT,MP,MDT,PSM,OML,CBL,FTT,AMZ,PMR,ES,EFV,IMC,SS,PPG,DFZ,FYC,TUZ,MFZ ,AZD,CPY,PSM; Habitat: T; Effect Codes: MOR,BEH,REP; Rejection Code: LITE EVAL CODED(MP,AZ,DZ,CPY,DMT,MDT,PSM,OML,CBL,FTT,AMZ,PMR,ES,EFV,IMC,SS,PPG,DFZ,FYC,TUZ,MFZ,AZD),TARGET(CBL).

32. Buntin, G. D. (1998). Comparison of Foliar-Applied Insecticides for Aphid Control in Rosette and Flowering Canola. In: *G.D.Buntin (Ed.), Res.Bull.No.435, Assessment of Crop Protectants for Use in Canola, Univ.of Ga., Athens, GA* 18-24.

EcoReference No.: 73094

Chemical of Concern: MLN,CPY,ES,DMT,PMR,CYP,DS,PPHD,PRN; Habitat: T; Effect Codes: POP,GRO; Rejection Code: LITE EVAL CODED(CPY,DMT,PMR),EFFICACY(MLN,DS,CYP).

33. Bynum, E. D. Jr., Archer, T. L., and Plapp, F. W. Jr. (1997). Comparison of Banks Grass Mite and Twospotted Spider Mite (Acari: Tetranychidae): Responses to Insecticides Alone and in Synergistic Combinations. *J.Econ.Entomol.* 90: 1125-1130.

EcoReference No.: 63628

Chemical of Concern: AMZ,BFT,DEF,DZ,DMT,EFV,PMR,PPB,TBF; Habitat: T; Effect Codes: MOR; Rejection Code: LITE EVAL CODED(DZ,PPB,DMT,PMR,EFV,BFT).

34. Cantalamessa, F. (1993). Acute Toxicity of Two Pyrethroids, Permethrin, and Cypermethrin in Neonatal and Adult Rats. *Arch.Toxicol.* 67: 510-513 .

EcoReference No.: 74863

Chemical of Concern: PPB,PMR,CYP; Habitat: T; Effect Codes: MOR; Rejection Code: LITE EVAL CODED(CYP,PMR),NO MIXTURE(PPB).

35. Chalfant, R. B. (1997). Control of Lepidopterous Pests, 1993. In: *C.R.Saxena, Arthropod Management Tests, Entomol.Soc.of Am., Lanham, MD* 22: 90-91.

EcoReference No.: 82465

Chemical of Concern: DKGNa,PMR,TDC; Habitat: T; Effect Codes: POP; Rejection Code: LITE EVAL CODED(DKGNa,PMR,TDC).

36. Chalfant, R. B. (1997). Laboratory Bioassays of Insecticides Against the Cabbage Looper. *Arthropod Manag. Tests* 22: 413.
- EcoReference No.: 82480
 Chemical of Concern: DKGNa,CYH,ACP,MOM,CPY,DKGNa,MTM,EFV,ES,PMR; Habitat: T; Effect Codes: MOR; Rejection Code: LITE EVAL CODED(ACP,DKGNa,CYH,MOM,CPY,DKGNa,MTM,EFV,ES,PMR).
37. Chary, M. S., Ramasubbaiah, K., and Bhushan, V. S. (1990). Effect of Certain Modern Insecticides on the Yield of Groundnut. *Indian J. Entomol.* 52: 478-481.
- EcoReference No.: 77560
 Chemical of Concern: CYP,PMR,FNV,CBL,DCM,ADC; Habitat: T; Effect Codes: POP; Rejection Code: LITE EVAL CODED(ADC,CYP,CBL,PMR),OK(FNV).
38. Chen, J. (2006). Digging Behavior of *Solenopsis invicta* Workers when Exposed to Contact Insecticides. *J. Econ. Entomol.* 99: 634-640.
- EcoReference No.: 99827
 Chemical of Concern: ACP,CBL,CYF,DM,LCYT,PMR; Habitat: T; Effect Codes: MOR,BEH; Rejection Code: LITE EVAL CODED(PMR),OK(ACP,CBL,CYF).
39. Cheng, H. H. (1980). Darksided Cutworm (Lepidoptera: Noctuidae): Field Evaluation of Pyrethroid Insecticides for Protection of Tobacco in Ontario. *Tobacco Int.* 182: 64-66.
- EcoReference No.: 100381
 Chemical of Concern: CPY,CYP,FNV,PMR,PPF; Habitat: T; Effect Codes: POP,MOR; Rejection Code: LITE EVAL CODED(PMR,CPY),OK(CYP,FNV,PPF).
40. Cilek, J. E., Craig, G. B. Jr., and Knapp, F. W. (1995). Comparative Susceptibility of Larvae of Three *Aedes* Species to Malathion and Permethrin. *J. Am. Mosq. Control Assoc.* 11: 416-418.
- EcoReference No.: 18844
 Chemical of Concern: MLN,PMR; Habitat: A; Effect Codes: MOR; Rejection Code: LITE EVAL CODED(MLN,PMR).
41. Conrad, A. U., Fleming, R. J., and Crane, M. (1999). Laboratory and Field Response of *Chironomus riparius* to a Pyrethroid Insecticide. *Water Res.* 33: 1603-1610.
- EcoReference No.: 48349
 Chemical of Concern: PMR,PYT,KCl; Habitat: A; Effect Codes: GRO,MOR,POP; Rejection Code: LITE EVAL CODED(PMR).
42. Corbel, V., Chandre, F., Darriet, F., Lardeux, F., and Hougard, J. M. (2003). Synergism Between Permethrin and Propoxur Against *Culex quinquefasciatus* Mosquito Larvae. *Med. Vet. Entomol.* 17: 158-164.
- EcoReference No.: 82053
 Chemical of Concern: PMR,PPX; Habitat: A; Effect Codes: MOR; Rejection Code: LITE EVAL CODED(PMR).
43. Corbel, V., Raymond, M., Chandre, F., Darriet, F., and Hougard, J. M. (2004). Efficacy of Insecticide Mixtures Against Larvae of *Culex quinquefasciatus* (Say) (Diptera: Culicidae) Resistant to Pyrethroids and Carbamates. *Pest Manag. Sci.* 60: 375-380.
- EcoReference No.: 99846
 Chemical of Concern: PPX,PMR; Habitat: A; Effect Codes: MOR; Rejection Code: LITE EVAL

CODED(PMR).

44. Coulon, D. P., Graves, J. B., Avault, J. W. Jr., Smith, S., Willis, G. H., Reichel, W., Harmon, C. W., and Morris, H. F. Jr. (1985). How Persistent are Pyrethroid Insecticide Residues in Crawfish, Catfish? *La.Agric.* 29: 14-16.

EcoReference No.: 14645

Chemical of Concern: PMR,PYT,FNV,EFV; Habitat: A; Effect Codes: ACC,MOR; Rejection Code: LITE EVAL CODED(PMR),NO ENDPOINT(PYT,FNV,EFV) .

45. Cox, R. L. and Wilson, W. T. (1984). Effects of Permethrin on the Behavior of Individually Tagged Honey Bees, *Apis mellifera* L. (Hymenoptera: Apidae). *Environ.Entomol.* 13: 375-378.

EcoReference No.: 36273

Chemical of Concern: PMR; Habitat: T; Effect Codes: BEH,MOR; Rejection Code: LITE EVAL CODED(PMR).

46. Cragg, S. M. and Eaton, R. A. (1997). Evaluation of Creosote Fortified with Synthetic Pyrethroids as Wood Preservatives for Use in the Sea. *Mater.Org.(Berl.)* 31: 197-216.

EcoReference No.: 99905

Chemical of Concern: PMR,DM,CYP,CST; Habitat: A; Effect Codes: POP; Rejection Code: LITE EVAL CODED(PMR),OK(CST,CYP).

47. Cripe, G. M. (1994). Comparative Acute Toxicities of Several Pesticides and Metals to *Mysidopsis bahia* and Postlarval *Penaeus duorarum*. *Environ.Toxicol.Chem.* 13: 1867-1872.

EcoReference No.: 13513

Chemical of Concern: DZ,MLN,CYP,PMR,CuCl,Cd,Zn,EFV; Habitat: A; Effect Codes: MOR; Rejection Code: LITE EVAL CODED(DZ,CuCl,OW-TRV-Cu,CYP,MLN,PMR),OK(Cd,Zn).

48. Crofton, K. M. and Reiter, L. W. (1988). The Effects of Type I and II Pyrethroids on Motor Activity and the Acoustic Startle Response in the Rat. *Fundam.Appl.Toxicol.* 10: 624-634.

EcoReference No.: 76654

Chemical of Concern: FVL,CYP,PMR,CYF,DDT,FNV,EFV; Habitat: T; Effect Codes: BEH; Rejection Code: LITE EVAL CODED(CYF,FVL,CYP,FNV,PMR).

49. Cutkomp, L. K. and Subramanyam, B. (1986). Toxicity of Pyrethroids to *Aedes aegypti* Larvae in Relation to Temperature. *J.Am.Mosq.Control Assoc.* 2: 347-349.

EcoReference No.: 12051

Chemical of Concern: CYP,PMR,SMT,PYT,ATN,EFV; Habitat: A; Effect Codes: MOR; Rejection Code: LITE EVAL CODED(SMT,CYP,ATN,PMR),OK(PYT).

50. Danka, R. G. and Collison, C. H. (1987). Laboratory Evaluation of Dimethoate Repellence to Honey Bees. *J.Appl.Entomol.* 104: 211-214.

EcoReference No.: 79189

Chemical of Concern: DMT,PMR; Habitat: T; Effect Codes: MOR,BEH; Rejection Code: LITE EVAL CODED(DMT,PMR).

51. Danka, R. G., Rinderer, T. E., Hellmich II, R. L., and Collins, A. M. (1986). Comparative Toxicities of Four Topically Applied Insecticides to Africanized and European Honey Bees (Hymenoptera: Apidae). *J.Econ.Entomol.* 79: 18-21.

EcoReference No.: 94967
Chemical of Concern: AZ,CBL,MP,PMR; Habitat: T; Effect Codes: MOR; Rejection Code: LITE
EVAL CODED(MP,AZ,PMR,CBL).

52. Day, K. E. and Maguire, R. J. (1990). Acute Toxicity of Isomers of the Pyrethroid Insecticide Deltamethrin and its Major Degradation Products to *Daphnia magna*. *Environ.Toxicol.Chem.* 9: 1297-1300.

EcoReference No.: 7357
Chemical of Concern: DM,PYT,SMT,PMR; Habitat: A; Effect Codes: PHY; Rejection Code: LITE
EVAL CODED(SMT,PMR).

53. Dela Cruz, C. R. and Cagauan, A. G. (1981). Preliminary Study on the Bioassay of Seven Pesticides and Five Weedicides with Tilapia, Carps, Clam and Shrimp as Test Species. *Fish.Res.J.Philipp.* 6: 11-18.

EcoReference No.: 3241
Chemical of Concern: CBL,MP,PMR,CYP,BTC,MCPA,24DXY; Habitat: A; Effect Codes: PHY;
Rejection Code: LITE EVAL CODED(CBL,CYP,MP,24DXY,PMR),NO COC(MTAS).

54. DeLorenzo, M. E., Serrano, L., Chung, K. W., Hoguet, J., and Key, P. B. (2006). Effects of the Insecticide Permethrin on Three Life Stages of the Grass Shrimp, *Palaemonetes pugio*. *Ecotoxicol.Environ.Saf.* 64: 122-127.

EcoReference No.: 97339
Chemical of Concern: PMR; Habitat: A; Effect Codes: MOR,PHY,BCM; Rejection Code: LITE
EVAL CODED(PMR).

55. Dmowska, E. and Kozłowska, J. (1989). The Effect of Pyrethroids on Mortality and Reproduction Rate of Certain Species of Saprobiotic Nematodes. *Pol.Ecol.Stud.* 15: 41-46.

EcoReference No.: 70516
Chemical of Concern: PYT,PMR,FNV,CYP,DM,BRSM; Habitat: T; Effect Codes: MOR,REP;
Rejection Code: LITE EVAL CODED(CYP,FNV,PMR,BRSM,DM),NO COC(EFV).

56. Dwyer, F. J., Hardesty, D. K., Henke, C. E., Ingersoll, C. G., Whites, D. W., Mount, D. R., and Bridges, C. M. (1999). Assessing Contaminant Sensitivity of Endangered and Threatened Species: Toxicant Classes. *EPA 600/R-99/098, U.S.EPA, Washington, D.C.*: 15 p.

EcoReference No.: 56161
Chemical of Concern: CBL,CuS,NYP,PCP,PRM,PMR; Habitat: A; Effect Codes: MOR; Rejection Code: LITE EVAL CODED(OW-TRV-Cu,PCP,PMR).

57. Dwyer, F. J., Hardesty, D. K., Ingersoll, C. G., Kunz, J. L., and Whites, D. W. (2000). Assessing Contaminant Sensitivity of American Shad, Atlantic Sturgeon and Shortnose Strurgeon, Final Report - February 2000. *Final Rep., U.S.Geol.Surv., Columbia Environ.Res.Ctr., Columbia, MO* 30 p.

EcoReference No.: 77827
Chemical of Concern: NYP,CBL,CuS,PCP,PMR; Habitat: A; Effect Codes: MOR; Rejection Code: LITE EVAL CODED(CBL,PMR),OK(CuS,PCP).

58. Dwyer, F. J., Mayer, F. L., Sappington, L. C., Buckler, D. R., Bridges, C. M., Greer, I. E., Hardesty, D. K., Henke, C. E., Ingersoll, C. G., Kunz, J. L., Whites, D. W., Augspurger, T., Mount, D. R., Hattala, K., and Neuderfer, G. N. (2005). Assessing Contaminant Sensitivity of Endangered and Threatened Aquatic Species: Part I. Acute Toxicity of Five Chemicals. *Arch.Environ.Contam.Toxicol.* 48: 143-154.

EcoReference No.: 81380

Chemical of Concern: PMR,Cu,NYP,PCP; Habitat: A; Effect Codes: MOR; Rejection Code: LITE EVAL CODED(PMR).

59. Dwyer, F. J., Sappington, L. C., Buckler, D. R., and Jones, S. B. (1995). Use of Surrogate Species in Assessing Contaminant Risk to Endangered and Threatened Species. *EPA/600/R-96/029, U.S.EPA, Washington, DC* 78 p.

EcoReference No.: 73668

Chemical of Concern: PCP,CBL,NYP,PMR,CuS; Habitat: A; Effect Codes: MOR; Rejection Code: LITE EVAL CODED(OW-TRV-Cu,PCP,PMR,CBL,NYP).

60. Dyck, P. J., Shiono, M., Schoening, G. P., Lais, A. C., Oviatt, K. F., and Sparks, M. F. (1984). The Evaluation of a New Synthetic Pyrethroid Pesticide (Permethrin) for Neurotoxicity. *J.Environ.Pathol.Toxicol.Oncol.* 5: 109-117.

EcoReference No.: 100142

Chemical of Concern: PMR; Habitat: T; Effect Codes: PHY; Rejection Code: LITE EVAL CODED(PMR).

61. Eastman, C. E., Oloumi Sadeghi, H., and Randell, R. (1991). Control of Lepidopterous Pests and Thrips on Cabbage 1990. *Insectic.Acaric.Tests* 16: 56-59.

EcoReference No.: 82472

Chemical of Concern: DKGNa,PMR,MTM; Habitat: T; Effect Codes: POP; Rejection Code: LITE EVAL CODED(DKGNa,PMR).

62. Eigenbrode, S. D., Shelton, A. M., Kain, W. C., Leichtweis, H., and Spittler, T. D. (1993). Managing Lepidopteran Pests in Cabbage with Herbicide-Induced Resistance, in Combination with a Pyrethroid Insecticide. *Entomol.Exp.Appl.* 69: 41-50.

EcoReference No.: 98228

Chemical of Concern: EPTC,PMR; Habitat: T; Effect Codes: GRO,MOR,POP,ACC; Rejection Code: LITE EVAL CODED(EPTC,PMR).

63. El-Garawany, A. A., Samaan, H. A., and Sadek, M. (1990). Comparative Hepatorenal Toxicity of Some Commonly Used Chemical Environmental Pollutants. *Egypt.J.Pharm.Sci.* 31: 331-336.

EcoReference No.: 100123

Chemical of Concern: PMR,FMU; Habitat: T; Effect Codes: BCM; Rejection Code: LITE EVAL CODED(PMR).

64. El-Sharkawy, A. M., Abdel-Rahman, S. Z., Hassan, A. A., Gabr, M. H., El-Zoghby, S. M., and El-Sewedy, S. M. (1994). Biochemical Effects of Some Insecticides on the Metabolic Enzymes Regulating Glutathione Metabolism. *Bull.Environ.Contam.Toxicol.* 52: 505-510.

EcoReference No.: 74880

Chemical of Concern: PMR,CBL,DMT; Habitat: T; Effect Codes: BCM; Rejection Code: LITE EVAL CODED(CBL,DMT,PMR).

65. Estes, B. J., Buck, N. A., Waller, G. D., Taylor, K. S., and Mamood, A. (1992). Residual Life and Toxicity to Honey Bees (Hymenoptera: Apidae) of Selected Insecticides Applied to Cotton in Arizona. *J.Econ.Entomol.* 85: 700-709 .

EcoReference No.: 99620

Chemical of Concern: TLM,EFV,LCYT,MP,MLN,FYT,FNV,CYP,ACP,PFF,BFT,CYF,FVL,PMR; Habitat: T; Effect Codes: ACC,MOR; Rejection Code: LITE EVAL

CODED(PMR),OK(EFV,MP,MLN,FNV,CYP,ACP,PFF,BFT,CYF,FVL).

66. Farag, A. T., Goda, N. F., Mansee, A. H., and Shaaban, N. A. (2006). Effects of Permethrin Given Before Mating on the Behavior of F1-Generation in Mice. *Neurotoxicology* 27: 421-428.
- EcoReference No.: 100119
Chemical of Concern: PMR; Habitat: T; Effect Codes: PHY,GRO,BEH,MOR; Rejection Code: LITE EVAL CODED(PMR).
67. Fisher, T., Crane, M., and Callaghan, A. (2003). Induction of Cytochrome P-450 Activity in Individual Chironomus riparius Meigen Larvae Exposed to Xenobiotics. *Ecotoxicol.Environ.Saf.* 54: 1-6.
- EcoReference No.: 68262
Chemical of Concern: PMR; Habitat: A; Effect Codes: BCM; Rejection Code: LITE EVAL CODED(PMR).
68. Fort, D. J., Rogers, R. L., Copley, H. F., Bruning, L. A., Stover, E. L., Helgen, J. C., and Burkhart, J. G. (1999). Progress Toward Identifying Causes of Maldevelopment Induced in Xenopus by Pond Water and Sediment Extracts from Minnesota, USA. *Environ.Toxicol.Chem.* 18: 2316-2324.
- EcoReference No.: 89641
Chemical of Concern: ADC,DPA,DIATZ,Maneb,PMR,NiCl; Habitat: A; Effect Codes: MOR,GRO,CEL,PHY; Rejection Code: LITE EVAL CODED(DIATZ,Maneb,PMR),OK(ADC).
69. Friesen, M. K., Galloway, T. D., and Flannagan, J. F. (1983). Toxicity of the Insecticide Permethrin in Water and Sediment to Nymphs of the Burrowing Mayfly Hexagenia rigida (Ephemeroptera: Ephemeridae). *Can.Entomol.* 115: 1007-1014.
- EcoReference No.: 10227
Chemical of Concern: PMR; Habitat: A; Effect Codes: MOR; Rejection Code: LITE EVAL CODED(PMR).
70. Fuxa, J. R. and Richter, A. R. (2004). Effects of Soil Moisture and Composition and Fungal Isolate on Prevalence of Beauveria bassiana in Laboratory Colonies of the Red Imported Fire Ant (Hymenoptera: Formicidae). *Environ.Entomol.* 33: 975-981.
- EcoReference No.: 99825
Chemical of Concern: PMR; Habitat: T; Effect Codes: POP; Rejection Code: LITE EVAL CODED(PMR).
71. Gabbianelli, R., Nasuti, C., Falcioni, G., and Cantalamessa, F. (2004). Lymphocyte DNA Damage in Rats Exposed to Pyrethroids: Effect of Supplementation with Vitamins E and C. *Toxicology* 203: 17-26.
- EcoReference No.: 76830
Chemical of Concern: CYP,PMR; Habitat: T; Effect Codes: CEL,GRO,BCM,PHY; Rejection Code: LITE EVAL CODED(CYP,PMR).
72. Garcinuno, R. M., Hernando, P. F., and Camara, C. (2006). Removal of Carbaryl, Linuron, and Permethrin by Lupinus angustifolius Under Hydroponic Conditions. *J.Agric.Food Chem.* 54: 5034-5039.
- EcoReference No.: 100120
Chemical of Concern: CBL,PMR,LNR; Habitat: T; Effect Codes: REP,ACC; Rejection Code: LITE EVAL CODED(PMR),TARGET(CBL,LNR).
73. Geiger, D. L., Call, D. J., and Brooke, L. T. (1988). Acute Toxicities of Organic Chemicals to Fathead Minnows (Pimephales promelas) Volume IV. *Ctr.for Lake Superior Environ.Stud., Volume 4, Univ.of*

Wisconsin-Superior, Superior, WI 355.

EcoReference No.: 12859

Chemical of Concern: MOM,ACC,BMC,BMN,CBL,CPY,DS,DZ,MLN,PMR,C8OH,ACL,NER;
Habitat: A; Effect Codes: MOR; Rejection Code: LITE EVAL
CODED(PMR,NER,DS,CPY,BMC,CBL,DZ,C8OH,MOM,ACL,MLN).

74. Gilderhus, P. A. (1982). Effects of an Aquatic Plant and Suspended Clay on the Activity of Fish Toxicants. *N.Am.J.Fish.Manag.* 2: 301-306.

EcoReference No.: 15277

Chemical of Concern: PMR,RTN,ATM; Habitat: A; Effect Codes: MOR; Rejection Code: LITE
EVAL CODED(RTN,PMR),NO CONTROL(ATM).

75. Gillette, J. S. and Bloomquist, J. R. (2003). Differential Up-Regulation of Striatal Dopamine Transporter and alpha-Synuclein by the Pyrethroid Insecticide Permethrin. *Toxicol.App.Pharmacol.* 192: 287-293.

EcoReference No.: 97325

Chemical of Concern: PMR; Habitat: T; Effect Codes: BCM,GRO; Rejection Code: LITE EVAL
CODED(PMR).

76. Godfrey, L. D. and Holtzer, T. O. (1992). Effects of Soil-Incorporated Insecticides and Foliar-Applied Chemicals on Corn Gas-Exchange Parameters. *Crop.Prot.* 11: 427-432.

EcoReference No.: 64451

Chemical of Concern: MDT,MP,DMT,TBO,TFT,CBF,CPY,PMR,EPH,PPG; Habitat: T; Effect
Codes: PHY; Rejection Code: LITE EVAL CODED(PMR,MP,CPY,DMT,MDT,PPG),OK(CBF).

77. Gold, R., Howell, H., and Summerlin, B. (1996). Field Evaluation of Eradicator for Fire Ant Control, 1992. *Arthropod Manag.Tests* 21: 387 (4J).

EcoReference No.: 100277

Chemical of Concern: PMR,CPY; Habitat: T; Effect Codes: BEH,MOR; Rejection Code: LITE
EVAL CODED(PMR,CPY).

78. Gonzalez-Doncel, M., De la Pena, E., Barrueco, C., and Hinton, D. E. (2003). Stage Sensitivity of Medaka (*Oryzias latipes*) Eggs and Embryos to Permethrin. *Aquat.Toxicol.* 62: 255-268.

EcoReference No.: 68254

Chemical of Concern: PMR; Habitat: A; Effect Codes: MOR,GRO,BEH,PHY; Rejection Code:
LITE EVAL CODED(PMR).

79. Hagler, J. R., Waller, G. D., and Lewis, B. E. (1989). Mortality of Honeybees (Hymenoptera: Apidae) Exposed to Permethrin and Combinations of Permethrin with Piperonyl Butoxide. *J.Apic.Res.* 28: 208-211.

EcoReference No.: 79063

Chemical of Concern: PPB,PMR; Habitat: T; Effect Codes: MOR; Rejection Code: LITE EVAL
CODED(PMR),NO MIXTURE(PPB).

80. Hagley, E. A. C. (1983). Pesticides, Pollination, and Fruit Set on Apple. *Can.Entomol.* 115: 1535-1536.

EcoReference No.: 36954

Chemical of Concern: AZ,PMR,PHSL,PSM; Habitat: T; Effect Codes: POP,BEH,REP,GRO;
Rejection Code: LITE EVAL CODED(PSM,PMR),OK(AZ).

81. Haile, F. J., Peterson, R. K. D., and Higley, L. G. (1999). Gas-Exchange Responses of Alfalfa and Soybean

Treated with Insecticides. *J.Econ.Entomol.* 92: 954-959.

EcoReference No.: 64569

Chemical of Concern: CBF,CPY,PMR,SS,CYF,CBL; Habitat: T; Effect Codes: PHY; Rejection Code: LITE EVAL CODED(CYF,CBF,SS,CPY,PMR),TARGET(CBL).

82. Hakoi, K., Cabral, R., Hoshiya, T., Hasegawa, R., Shirai, T., and Ito, N. (1992). Analysis of Carcinogenic Activity of Some Pesticides in a Medium-Term Liver Bioassay in the Rat. *Teratog.Carcinog.Mutagen.* 12: 269-276.

EcoReference No.: 76881

Chemical of Concern: DDT,DM,CYP,TDF,PMR; Habitat: T; Effect Codes: PHY,CEL; Rejection Code: LITE EVAL CODED(CYP,TDF,PMR).

83. Halliday, W. R. and Georghiou, G. P. (1985). Cross-Resistance and Dominance Relationships of Pyrethroids in a Permethrin-Selected Strain of *Culex quinquefasciatus* (Diptera: Culicidae). *J.Econ.Entomol.* 78: 1227-1232.

EcoReference No.: 11492

Chemical of Concern: CYF,PMR,PYT,AV,FYT,CYH,TLM,EN,PPX,BFT; Habitat: A; Effect Codes: MOR; Rejection Code: LITE EVAL CODED(BFT,CYF,PMR),OK(ALL CHEMS).

84. Halliday, W. R. and Georghiou, G. P. (1985). Inheritance of Resistance to Permethrin and DDT in the Southern House Mosquito (Diptera: Culicidae). *J.Econ.Entomol.* 78: 762-767.

EcoReference No.: 11493

Chemical of Concern: PMR,DDT,TMP; Habitat: A; Effect Codes: MOR; Rejection Code: LITE EVAL CODED(PMR),OK(DDT,TMP).

85. Hansen, D. J., Goodman, L. R., Moore, J. C., and Higdon, P. K. (1983). Effects of the Synthetic Pyrethroids AC 222,705, Permethrin and Fenvalerate on Sheepshead Minnows in Early Life Stage Toxicity Tests. *Environ.Toxicol.Chem.* 2: 251-258.

EcoReference No.: 10467

Chemical of Concern: PMR,PYT,FNV,EFV; Habitat: A; Effect Codes: ACC,GRO,MOR; Rejection Code: LITE EVAL CODED(FNV,PMR),OK(PYT).

86. Hardstone, M. C., Leichter, C., Harrington, L. C., Kasai, S., Tomita, T., and Scott, J. G. (2007). Cytochrome P450 Monooxygenase-Mediated Permethrin Resistance Confers Limited and Larval Specific Cross-Resistance in the Southern House Mosquito, *Culex pipiens quinquefasciatus*. *Pestic.Biochem.Physiol.* 89: 175-184 (Author Correspondance Used).

EcoReference No.: 100122

Chemical of Concern: TMP,PMR,MP,BFT,DZ,MLN; Habitat: AT; Effect Codes: MOR; Rejection Code: LITE EVAL CODED(TMP,PMR,MP,DZ,MLN,BFT).

87. Harris, J. P. (1998). Imported Fire Ant Control on Non-Cropland, 1996. *Arthropod Manag.Tests* 23: 312 (2G).

EcoReference No.: 99850

Chemical of Concern: DZ,ACP,PMR; Habitat: T; Effect Codes: POP; Rejection Code: LITE EVAL CODED(DZ,ACP,PMR).

88. Hasegawa, R. and Ito, N. (1992). Liver Medium-Term Bioassay in Rats for Screening of Carcinogens and Modifying Factors in Hepatocarcinogenesis. *Food Chem.Toxicol.* 30: 979-992.

EcoReference No.: 75839

Chemical of Concern:
TDF,VCZ,NaPP,TFN,ILL,PL,GYP,PMR,DDT,DM,DCNA,CYP,DMZ,ACR,AND,ATZ,MLN,PAH;
Habitat: T; Effect Codes: CEL; Rejection Code: LITE EVAL
CODED(MLN,ATZ,GYP,PMR),OK(ALL CHEMS).

89. Hegde, N. S., Thontadarya, T. S., and Rao, K. J. (1987). Effect of Pyrethroids on the Activity of Rogas aligarhensis Qadri (Hym: Braconidae), a Larval Parasite of the Cotton Spotted Bollworm, Earias vittella (Fabricius). *Mysore J.Agric.Sci.* 21: 305-308.

EcoReference No.: 99594
Chemical of Concern: CYP,PMR,ES; Habitat: T; Effect Codes: POP; Rejection Code: LITE EVAL
CODED(PMR,ES),OK(CYP).

90. Helson, B. V., Barber, K. N., and Kingsbury, P. D. (1994). Laboratory Toxicology of Six Forestry Insecticides to Four Species of Bee (Hymenoptera: Apoidea). *Arch. Environ. Contam. Toxicol.* 27: 107-114.

EcoReference No.: 39551
Chemical of Concern: PMR,CYP,FNT,CBL,TCF; Habitat: T; Effect Codes: MOR; Rejection Code:
LITE EVAL CODED(PMR,CYP,FNT,CBL,TCF).

91. Helson, B. V., Kingsbury, P. D., and De Groot, P. (1986). The Use of Bioassays to Assess Aquatic Arthropod Mortality from Permethrin Drift Deposits. *Aquat.Toxicol.* 9: 253-262.

EcoReference No.: 12268
Chemical of Concern: PMR; Habitat: A; Effect Codes: MOR; Rejection Code: LITE EVAL
CODED(PMR).

92. Helson, B. V., Payne, N. J., and Sundaram, K. M. S. (1993). Impact Assessment of Spray Drift from Silvicultural Aerial Applications of Permethrin on Aquatic Invertebrates Using Mosquito Bioassays. *Environ.Toxicol.Chem.* 12: 1635-1642.

EcoReference No.: 9295
Chemical of Concern: PMR; Habitat: A; Effect Codes: MOR,ACC; Rejection Code: LITE EVAL
CODED(PMR).

93. Hijzen, T. H. and Slangen, J. L. (1988). Effects of Type I and Type II Pyrethroids on the Startle Response in Rats. *Toxicol.Lett.* 40: 141-152.

EcoReference No.: 76634
Chemical of Concern: CYP,CPMR,DM; Habitat: T; Effect Codes: BEH,GRO; Rejection Code:
LITE EVAL CODED(CYP,CPMR).

94. Hill, E. F. and Camardese, M. B. (1986). Lethal Dietary Toxicities of Environmental Contaminants and Pesticides to Coturnix. *U.S.Fish Wildl.Serv., Fish Wildl.Tech.Rep.No.2* 147 p.

EcoReference No.: 50181
Chemical of Concern:
24D,24DXY,ACP,ADC,AMSV,AMTL,AND,ARM,ATN,ATZ,AZ,BMC,BMN,BMY,Captan,CBF,CB
L,CdCl,CHD,CMPH,CPY,CPYM,CrS,DBN,DCF,DCTP,DDT,DDVP,DEM,DFPM,DINO,DLD,DMB
,DMT,DQTBr,DS,DU,DZ,EN,EP,ES,ETN,FMP,FNF,FNT,FNTH,FTTCl,GYP,HCCH,HgCl2,HPT,IF
P,K2Cr207,LNR,Maneb,MCB,MCPB,MDT,MLN,MLT,MOM,MP,MRX,MSMA,MTAS,MTM,MVP,
MXC,Naled,Ni,OXD,Pb,PbN,PCB,PCL,PCP,PHSL,PMR,PPB,PPHD,PPN,PPX,PQT,PRN,PRT,PSM,
PYN,RSM,RTN,SPS,SZ,TBO,TCF,TEPP,TFN,THM,TMP,TVMP, TVP,V,Zineb,Ziram,ZnP; Habitat:
T; Effect Codes: MOR,BEH; Rejection Code: LITE EVAL
CODED(ACP,ADC,ATZ,Captan,CBF,CBL,CPY,CPYM,DZ,GYP,MLN,MLT,MOM,MP,MTAS,MT
M,Naled,PMR,PRT,PSM,RTN,SZ,Ziram),OK(CMPH,DCF,DCTP,DU,EP,ES,FMP,MDT,MVP,OXD,

PPN,PQT,TBO,TEPP,TFN,TMP,TVP).

95. Hill, T. A. and Foster, R. E. (2000). Effect of Insecticides on the Diamondback Moth (Lepidoptera: Plutellidae) and Its Parasitoid *Diadegma insulare* (Hymenoptera: Ichneumonidae). *J.Econ.Entomol.* 93: 763-768.

EcoReference No.: 58578

Chemical of Concern: CBL,IMC,PMR,SS,TUZ; Habitat: T; Effect Codes: MOR; Rejection Code: LITE EVAL CODED(PMR,IMC).

96. Hoffman, D. J. and Albers, P. H. (1984). Evaluation of Potential Embryotoxicity and Teratogenicity of 42 Herbicides, Insecticides, and Petroleum Contaminants to Mallard Eggs. *Arch.Environ.Contam.Toxicol.* 13: 15-27.

EcoReference No.: 35249

Chemical of Concern:

ACP,CBL,DZ,DMT,EN,HCCH,MLN,MOM,Naled,PRN,PMR,PSM,SPS,TMP,TXP,AMTL,ATZ,BM N,MCPA,24DXY,DMB,GYP,PAQT,PCL,PRO,PPN,TFN,ALSV; Habitat: T; Effect Codes: MOR,GRO; Rejection Code: LITE EVAL CODED(PMR,GYP,PSM,24DXY,Naled,MLN,CBL,ACP,PRO,DZ,ATZ,MOM,DMT,DMB,ALSV),N O MIXTURE(BMN,MCPA).

97. Hong, J. S., Herr, D. W., Hudson, P. M., and Tilson, H. A. (1986). Neurochemical Effects of DDT in Rat Brain In Vivo. *Arch.Toxicol.Suppl.* Suppl. 9: 14-26.

EcoReference No.: 99917

Chemical of Concern: DDT,PMR; Habitat: T; Effect Codes: BCM,PHY; Rejection Code: LITE EVAL CODED(PMR).

98. Hougaard, J. M., Escaffre, H., Darriet, F., Lochouarn, L., Riviere, F., and Back, C. (1992). An Episode of Resistance to Permethrin in Larvae of *Simulium squamosum* (Diptera: Simuliidae) from Cameroon, After 3 1/2 Years of Control. *J.Am.Mosq.Control Assoc.* 8: 184-186.

EcoReference No.: 6899

Chemical of Concern: PMR; Habitat: A; Effect Codes: MOR,PHY; Rejection Code: LITE EVAL CODED(PMR).

99. Hoy, J. B., Cornell, J. A., Karlix, J. L., Schmidt, C. J., Tebbett, I. R., and Van Haaren, F. (2000). Interactions of Pyridostigmine Bromide, DEET and Permethrin Alter Locomotor Behavior of Rats. *Vet.Hum.Toxicol.* 42: 65-71.

EcoReference No.: 99748

Chemical of Concern: DEET,PMR; Habitat: T; Effect Codes: BEH,ACC; Rejection Code: LITE EVAL CODED(PMR).

100. Hoy, J. B., Cornell, J. A., Karlix, J. L., Tebbett, I. R., and Van Haaren, F. (2000). Repeated Coadministrations of Pyridostigmine Bromide, DEET, and Permethrin Alter Locomotor Behavior of Rats. *Vet.Hum.Toxicol.* 42: 72-76.

EcoReference No.: 99747

Chemical of Concern: DEET,PMR; Habitat: T; Effect Codes: BEH; Rejection Code: LITE EVAL CODED(PMR).

101. Hudson, P. M., Tilson, H. A., Chen, P. H., and Hong, J. S. (1986). Neurobehavioral Effects of Permethrin are Associated with Alterations in Regional Levels of Biogenic Amine Metabolites and Amino Acid Neurotransmitters. *Neurotoxicology* 7: 143-153.

- EcoReference No.: 99911
 Chemical of Concern: PMR; Habitat: T; Effect Codes: PHY,BEH,BCM; Rejection Code: LITE EVAL CODED(PMR).
102. Ibrahim, H., Kheir, R., Helmi, S., Lewis, J., and Crane, M. (1998). Effects of Organophosphorus, Carbamate, Pyrethroid and Organochlorine Pesticides, and a Heavy Metal on Survival and Cholinesterase Activity of. *Bull.EnvIRON.Contam.Toxicol.* 60: 448-455.
- EcoReference No.: 18819
 Chemical of Concern: CBF,HCCH,PIRM,PMR,ZnCl2,PYT; Habitat: A; Effect Codes: MOR,BCM; Rejection Code: LITE EVAL CODED(CBF,PMR).
103. Idris, A. B. and Grafius, E. (1993). Differential Toxicity of Pesticides to *Diadegma insulare* (Hymenoptera: Ichneumonidae) and Its Host, the Diamondback Moth (Lepidoptera: Plutellidae). *J.Econ.Entomol.* 86: 529-536.
- EcoReference No.: 89911
 Chemical of Concern: PMR,AZ,MOM,EFV,CYP,CTN; Habitat: T; Effect Codes: MOR,BEH; Rejection Code: LITE EVAL CODED(CTN,PMR),OK(MOM,AZ,CYP,EFV) .
104. Idris, A. B. and Grafius, E. (1993). Pesticides Affect Immature Stages on *Diadegma insulare* (Hymenoptera: Ichneumonidae) and Its Host, the Diamondback Moth (Lepidoptera: Plutellidae). *J.Econ.Entomol.* 86: 1203-1212.
- EcoReference No.: 73706
 Chemical of Concern: CTN,PMR,AZ,MOM; Habitat: T; Effect Codes: GRO,MOR,REP; Rejection Code: LITE EVAL CODED(CTN,PMR),OK(AZ,MOM).
105. Imamura, L., Hasegawa, H., Kurashina, K., Matsuno, T., and Tsuda, M. (2002). Neonatal Exposure of Newborn Mice to Pyrethroid (Permethrin) Represses Activity-Dependent C-Fos mRNA Expression in Cerebellum. *Arch.Toxicol.* 76: 392-397 .
- EcoReference No.: 99540
 Chemical of Concern: TPMR,CPMR; Habitat: T; Effect Codes: CEL,BEH,GRO; Rejection Code: LITE EVAL CODED(TPMR,CPMR).
106. Institoris, L., Siroki, O., Undeger, U., Basaran, N., and Desi, I. (2001). Immunotoxicological Investigation of Subacute Combined Exposure by Permethrin and the Heavy Metals Arsenic(III) and Mercury(II) in Rats. *Int.Immunopharmacol.* 1: 925-933.
- EcoReference No.: 78435
 Chemical of Concern: As,HgCl2,PMR; Habitat: T; Effect Codes: GRO,CEL,BCM,PHY; Rejection Code: LITE EVAL CODED(PMR).
107. Institoris, L., Undeger, U., Siroki, O., Nehez, M., and Desi, I. (1999). Comparison of Detection Sensitivity of Immuno- and Genotoxicological Effects of Subacute Cypermethrin and Permethrin Exposure in Rats. *Toxicology* 137: 47-55.
- EcoReference No.: 50488
 Chemical of Concern: CYP,PMR; Habitat: T; Effect Codes: PHY,BCM,CEL; Rejection Code: LITE EVAL CODED(CYP,PMR).
108. Ishibashi, N. and Takii, S. (1993). Effects of Insecticides on Movement, Nictation, and Infectivity of *Steinernema carpocapsae*. *J.Nematol.* 25: 204-213.
- EcoReference No.: 87845

- Chemical of Concern: ACP,DDVP,OML,PMR,MOM; Habitat: T; Effect Codes: BEH,MOR,PHY; Rejection Code: LITE EVAL CODED(MOM,PMR),OK(ACP,OML).
109. Ishmael, J. and Litchfield, M. H. (1988). Chronic Toxicity and Carcinogenic Evaluation of Permethrin in Rats and Mice. *Fundam.Appl.Toxicol.* 11: 308-322 .
- EcoReference No.: 86134
Chemical of Concern: PMR; Habitat: T; Effect Codes: BCM,MOR,PHY,GRO,CEL,BEH; Rejection Code: LITE EVAL CODED(PMR).
110. Jeyasingam, D. N. T., Thayumanavan, B., and Krishnaswamy, S. (1978). The Relative Toxicities of Insecticides on Aquatic Insect Eretes sticticus (Linn.) (Coleoptera: Dytiscidae). *J.Madurai Univ.* 7: 85-87.
- EcoReference No.: 5182
Chemical of Concern: DDT,ES,FNT,MLN,PMR,HCCH,DLD,CBL; Habitat: A; Effect Codes: MOR; Rejection Code: LITE EVAL CODED(CBL,MLN,PMR),OK(ALL CHEMS).
111. Johansson, M., Piha, H., Kylin, H., and Merila, J. (2006). Toxicity of Six Pesticides to Common Frog (*Rana temporaria*) Tadpoles. *Environ.Toxicol.Chem.* 25: 3164-3170.
- EcoReference No.: 88266
Chemical of Concern: CZE,AZX,EFV,MCPA,PMR,PIM; Habitat: A; Effect Codes: MOR,GRO; Rejection Code: LITE EVAL CODED(EFV,PMR),OK(CZE,AZX,MCPA,PIM).
112. Johnen, B. G., Drew, E. A., and Castle, D. L. (1979). Studies on the Effect of Pesticides on Symbiotic Nitrogen Fixation. *In: B.Schippers and W.Gams (Eds.), Soil-Borne Plant Pathogens, Chapter 44, Acad.Press, London* 513-523.
- EcoReference No.: 72210
Chemical of Concern: PMR; Habitat: T; Effect Codes: GRO,BCM,PHY; Rejection Code: LITE EVAL CODED(PMR).
113. Jolly, A. L. Jr., Avault, J. W. Jr., Koonce, K. L., and Graves, J. B. (1978). Acute Toxicity of Permethrin to Several Aquatic Animals. *Trans.Am.Fish.Soc.* 107: 825-827 (Used 963 As Reference).
- EcoReference No.: 5181
Chemical of Concern: PMR; Habitat: A; Effect Codes: MOR; Rejection Code: LITE EVAL CODED(PMR).
114. Kader, H. A., Thayumanavan, B., and Krishnaswamy, S. (1976). The Relative Toxicities of Ten Biocides on *Spicodiatomus chelospinus* Rajendran (1973) [Copepoda: Calanoida]. *Comp.Physiol.Ecol.* 1 : 78-82.
- EcoReference No.: 5264
Chemical of Concern: DDT,ES,HCCH,DLD,CBL,24DXY,PMR; Habitat: A; Effect Codes: MOR; Rejection Code: LITE EVAL CODED(24DXY,CBL,PMR),OK(DDT,ES,HCCH,DLD).
115. Kadota, T., Okuno, Y., Kohda, H., and Miyamoto, J. (1976). Mammalian Toxicological Study of Permethrin, 3-Phenoxybenzyl (+ -) -cis, Trans-2-2,Dimethyl-3-(2,2-Dichlorovinyl)-Cyclopropane-1-Carboxylate. *Botyu-Kagaku* 41: 143-151 .
- EcoReference No.: 99655
Chemical of Concern: PMR,PCPMR,PTPMR,MCPMR,MTPMR; Habitat: T; Effect Codes: MOR,GRO,BCM,CEL; Rejection Code: LITE EVAL CODED(PMR),NO CONTROL(PCPMR,PTPMR,MCPMR,MTPMR).

116. Kapoor, R. K., Singh, N., Chauhan, S. S., and Misra, U. K. (1989). Effect of Permethrin and Cypermethrin on Vitamin A Distribution to the Various Organs of Chicks Fed Vitamin A-Deficient Diet. *Nutr.Rep.Int.* 39: 1061-1068.
- EcoReference No.: 76887
 Chemical of Concern: CYP,PMR; Habitat: T; Effect Codes: BCM; Rejection Code: LITE EVAL CODED(CYP,PMR).
117. Karen, D. J., Li, W., Harp, P. R., Gillette, J. S., and Bloomquist, J. R. (2001). Striatal Dopaminergic Pathways as a Target for the Insecticides Permethrin and Chlorpyrifos. *Neurotoxicology* 22: 811-817.
- EcoReference No.: 92577
 Chemical of Concern: CPY,PMR; Habitat: T; Effect Codes: BCM,BEH; Rejection Code: LITE EVAL CODED(CPY,PMR).
118. Kasai, S., Shono, T., Komagata, O., Tsuda, Y., Kobayashi, M., Motoki, M., Kashima, I., Tanikawa, T., Yoshida, M., Tanaka, I., Shinjo, G., Hashimoto, T., Ishikawa, T., Takahashi, T., Higa, Y., and Tomita, T. (2007). Insecticide Resistance in Potential Vector Mosquitoes for West Nile Virus in Japan. *J.Med.Entomol.* 44: 822-829.
- EcoReference No.: 100301
 Chemical of Concern: PMR,DFZ,TMP,FNT,EFX,PYX; Habitat: A; Effect Codes: MOR; Rejection Code: LITE EVAL CODED(PMR,TMP,EFX).
119. Kasai, S., Weerasinghe, I. S., and Shono, T. (1998). P450 Monooxygenases are an Important Mechanism of Permethrin Resistance in *Culex quinquefasciatus* Say Larvae. *Arch.Insect Biochem.Physiol.* 37: 47-56.
- EcoReference No.: 63336
 Chemical of Concern: PYX,PFF,CBL,DDT,PMR,PRN,FNT,TPMR,PPB,TBF; Habitat: A; Effect Codes: BCM,MOR,PHY; Rejection Code: LITE EVAL CODED(CBL,PMR,PFF),NO MIXTURE(PPB,TBF),NO IN VITRO(TPMR).
120. Khayrandish, A. and Wood, R. J. (1993). Organophosphorus Insecticide Resistance in a New Strain of *Culex quinquefasciatus* (Diptera: Culicidae) from Tanga, Tanzania. *Bull.Entomol.Res.* 83: 67-74 (Publ in Part As 17296).
- EcoReference No.: 17297
 Chemical of Concern: CPY,PMR,PPX, TMP; Habitat: A; Effect Codes: MOR; Rejection Code: LITE EVAL CODED(CPY,PMR).
121. Kim, S. S., Lee, R. D., Lim, K. J., Kwack, S. J., Rhee, G. S., Seok, J. H., Lee, G. S., An, B. S., Jeung, E. B., and Park, K. L. (2005). Potential Estrogenic and Antiandrogenic Effects of Permethrin in Rats. *J.Reprod.Dev.* 51: 201-210.
- EcoReference No.: 100429
 Chemical of Concern: PMR,DDT; Habitat: T; Effect Codes: CEL,GRO,BEH; Rejection Code: LITE EVAL CODED(PMR).
122. Kingsbury, P. D. (1983). Permethrin in New Brunswick Salmon Nursery Streams. *Report No.FPM-X-52, Environment Canada, Forestry Service, Forest Pest Manage.Inst., Sault Ste.Marie, Ontario* 192 p.(Author Communication Used).
- EcoReference No.: 14662
 Chemical of Concern: PMR; Habitat: A; Effect Codes: ACC,POP,BEH,MOR; Rejection Code: LITE EVAL CODED(PMR).

123. Knight, R. L. and Rust, M. K. (1990). Repellency and Efficacy of Insecticides Against Foraging Workers in Laboratory Colonies of Argentine Ants (Hymenoptera: Formicidae). *J.Econ.Entomol.* 83: 1402-1408.
- EcoReference No.: 99749
 Chemical of Concern: HPT,CYP,PMR,PPX,BDC,DZ,CYF,CPY,CHD; Habitat: T; Effect Codes: MOR,BEH; Rejection Code: LITE EVAL CODED(PMR),OK(CYP,DZ,CYF,CPY).
124. Kok, L. T., Lasota, J. A., McAvoy, T. J., and Dybas, R. A. (1996). Residual Foliar Toxicity of 4"-Epi-Methylamino-4"-Deoxyavermectin B1 Hydrochloride (MK-243) and Selected Commercial Insecticides to Adult Hymenopterous Parasites, *Pteromalus puparum* (Hymenoptera: Pteromalidae) and *Cotesia orobenae* (Hymenoptera: Braconidae). *J.Econ.Entomol.* 89: 63-67.
- EcoReference No.: 74122
 Chemical of Concern: MOM,EFV,PMR; Habitat: T; Effect Codes: MOR; Rejection Code: LITE EVAL CODED(PMR,MOM,EFV).
125. Komala, Z. (1989). The Effect of Ambush 25 EC, a Pyrethroid Insecticide, on *Paramecium primaurelia*. *Folia Biol.(Krakow)* 37: 21-24.
- EcoReference No.: 100133
 Chemical of Concern: PMR; Habitat: A; Effect Codes: MOR,REP,GRO; Rejection Code: LITE EVAL CODED(PMR).
126. Kostka, G., Palut, D., Kopec-Szlezak, J., and Ludwicki, J. K. (2000). Early Hepatic Changes in Rats Induced by Permethrin in Comparison with DDT. *Toxicology* 142: 135-143.
- EcoReference No.: 51152
 Chemical of Concern: PMR,DDT; Habitat: T; Effect Codes: CEL,GRO; Rejection Code: LITE EVAL CODED(PMR).
127. Kou, J. and Bloomquist, J. R. (2007). Neurotoxicity in Murine Striatal Dopaminergic Pathways Following Long-Term Application of Low Doses of Permethrin and MPTP. *Toxicol.Lett.* 171: 154-161.
- EcoReference No.: 99538
 Chemical of Concern: PMR; Habitat: T; Effect Codes: BCM,CEL; Rejection Code: LITE EVAL CODED(PMR).
128. Kou, J., Gillette, J. S., and Bloomquist, J. R. (2006). Neurotoxicity in Murine Striatal Dopaminergic Pathways Following Co-Application of Permethrin, Chlorpyrifos, and MPTP. *Pestic.Biochem.Physiol.* 85: 68-75.
- EcoReference No.: 92615
 Chemical of Concern: CPY,PMR; Habitat: T; Effect Codes: BCM; Rejection Code: LITE EVAL CODED(CPY,PMR).
129. Krechniak, J. and Wrzesniowska, K. (1991). Effects of Pyrethroid Insecticides on Hepatic Microsomal Enzymes in Rats. *Environ.Res.* 55: 129-134.
- EcoReference No.: 76653
 Chemical of Concern: CYP,PMR,DM; Habitat: T; Effect Codes: GRO,BCM; Rejection Code: LITE EVAL CODED(CYP,PMR).
130. Kulkarni, A. P., Fabacher, D. L., and Hodgson, E. (1980). Pesticides as Inducers of Hepatic Drug-Metabolizing Enzymes - II. Glutathione S-Transferases. *Gen.Pharmacol.* 11: 437-441.

- EcoReference No.: 92613
 Chemical of Concern: TBF,TFN,ES,CHD,MLN,CPY,PPB,24D,PMR; Habitat: T; Effect Codes: BCM; Rejection Code: LITE EVAL CODED(CPY,24D,PMR),OK(MLN,PPB,TBF).
131. Kunimatsu, T., Yamada, T., Ose, K., Sunami, O., Kamita, Y., Okuno, Y., Seki, T., and Nakatsuka, I. (2002). Lack of (Anti-) Androgenic or Estrogenic Effects of Three Pyrethroids (Esfenvalerate, Fenvalerate, and Permethrin) in the Hershberger and Uterotrophic Assays. *Regul.Toxicol.Pharmacol.* 35: 227-237.
- EcoReference No.: 68067
 Chemical of Concern: PYT,MXC,EFV,FNV,PMR,DDT,EED; Habitat: T; Effect Codes: GRO,REP,BEH; Rejection Code: LITE EVAL CODED(EFV,FNV,PMR),OK(PYT,MXC).
132. Lasota, J. A. and Kok, L. T. (1986). Residual Effects of Methomyl, Permethrin, and Fenvalerate on *Pteromalus puparum* (Hymenoptera: Pteromalidae) Adult Parasites. *J.Econ.Entomol.* 79: 651-653.
- EcoReference No.: 74110
 Chemical of Concern: FNV,MOM,PMR; Habitat: T; Effect Codes: MOR; Rejection Code: LITE EVAL CODED(FNV,PMR,MOM).
133. Lawrence, L. J. and Casida, J. E. (1982). Pyrethroid Toxicology: Mouse Intracerebral Structure-Toxicity Relationships. *Pestic.Biochem.Physiol.* 18: 9-14.
- EcoReference No.: 72270
 Chemical of Concern: FPP,FNV,ATN,RSM,PMR,CYP,DM; Habitat: T; Effect Codes: PHY,MOR; Rejection Code: LITE EVAL CODED(PMR,FNV,ATN,CYP,RSM),OK(DM,FPP).
134. Lee, H. L. and Salleh, H. (1990). Preliminary Field Trial of Permethrin Against Anopheles and Culex Larvae in Malaysia. *Mosq.Borne Dis.Bull.* 7: 127-130.
- EcoReference No.: 74952
 Chemical of Concern: PMR; Habitat: A; Effect Codes: POP,MOR; Rejection Code: LITE EVAL CODED(PMR),NO COC(MLT).
135. Lee, H. L. and Winita, R. (1993). Laboratory and Field Evaluation of Permethrin Against Aedes (*Stegomyia*) albopictus Skuse Larvae. *Mosq.Borne Dis.Bull.* 10: 77-82.
- EcoReference No.: 99645
 Chemical of Concern: PMR,TMP; Habitat: A; Effect Codes: MOR; Rejection Code: LITE EVAL CODED(PMR),NO ENDPOINT(TMP).
136. Lein, P. J. and Fryer, A. D. (2005). Organophosphorus Insecticides Induce Airway Hyperreactivity by Decreasing Neuronal M2 Muscarinic Receptor Function Independent of Acetylcholinesterase Inhibition. *Toxicol.Sci.* 83: 166-176.
- EcoReference No.: 80607
 Chemical of Concern: PRN,DZ,PMR; Habitat: T; Effect Codes: PHY,BCM; Rejection Code: LITE EVAL CODED(DZ,PMR).
137. Linduska, J. J., Ross, M., Mulfords, K., and Nottingham, J. (1995). Control of Imported Cabbageworm ICW on Cabbage, 1994. *Insectic.Acaric.Tests* 20: 71(ABS.NO.10E).
- EcoReference No.: 82448
 Chemical of Concern: DKGNa,PMR,CYH,MVP,CTN; Habitat: T; Effect Codes: POP,PHY; Rejection Code: LITE EVAL CODED(DKGNa,PMR,CYH,MVP).

138. Liu, H., Cupp, E. W., Guo, A., and Liu, N. (2004). Insecticide Resistance in Alabama and Florida Mosquito Strains of *Aedes albopictus*. *J.Med.Entomol.* 41: 946-952.
- EcoReference No.: 99823
 Chemical of Concern: SS,PMR,DM,CPY,MLN,PPX,IMC; Habitat: A; Effect Codes: MOR; Rejection Code: LITE EVAL CODED(SS,PMR,DM,CPY,MLN,PPX,IMC).
139. Liu, H., Cupp, E. W., Micher, K. M., Guo, A., and Liu, N. (2004). Insecticide Resistance and Cross-Resistance in Alabama and Florida Strains of *Culex quinquefasciatus*. *J.Med.Entomol.* 41: 408-413.
- EcoReference No.: 88223
 Chemical of Concern: PMR,DM,CPY,MLN,RSM,PPX,FPN,IMC,SS; Habitat: A; Effect Codes: MOR; Rejection Code: LITE EVAL CODED(MLN,CPY,PMR).
140. Liu, W., Gan, J., Lee, S., and Werner, I. (2005). Isomer Selectivity in Aquatic Toxicity and Biodegradation of Bifenthrin and Permethrin. *Environ.Toxicol.Chem.* 24: 1861-1866.
- EcoReference No.: 81339
 Chemical of Concern: BFT,PMR; Habitat: A; Effect Codes: MOR; Rejection Code: LITE EVAL CODED(BFT,PMR).
141. Lockhart, W. L., Billeck, B. N., De March, B. G. E., and Muir, D. C. G. (1983). Uptake and Toxicity of Organic Compounds: Studies with an Aquatic Macrophyte (*Lemna minor*). In: *W.E.Bishop, R.D.Cardwell, and B.B.Heidolph (Eds.), Aquatic Toxicology and Hazard Assessment, 6th Symposium, ASTM STP 802, Philadelphia, PA* 460-468.
- EcoReference No.: 10160
 Chemical of Concern: EFL,PMR; Habitat: A; Effect Codes: ACC; Rejection Code: LITE EVAL CODED(PMR).
142. Lockley, T. C. (1991). Evaluation of Various Candidate Insecticides for Quarantine Treatments Against Imported Fire Ants, *Solenopsis invicta* Buren, 1990. *Insectic.Acaric.Tests* 16: 257-258 (28G).
- EcoReference No.: 100273
 Chemical of Concern: IFP,BDC,CBF,CPY,PMR,TFT,BFT,CYP; Habitat: T; Effect Codes: MOR; Rejection Code: LITE EVAL CODED(PMR,CPY),OK(CBF,BFT,CYP).
143. Lockley, T. C. (1991). Tests of Candidates Insecticides for Imported Fire Ant (IFA) Quarantine Treatments in Commercial Grass Sod, 1989. *Insectic.Acaric.Tests* 16: 247-248 (11G).
- EcoReference No.: 99595
 Chemical of Concern: LCYT,CYF,CPY,BFT,CYH,CYP,CEX,FNF,IZF,PMR,EP,IFP; Habitat: T; Effect Codes: MOR; Rejection Code: LITE EVAL CODED(PMR,CPY,CEX),OK(CYF,BFT,CYP),NO ENDPOINT(EP).
144. Lunden, J. D., Mayer, D. F., Johansen, C. A., Shanks, C. H., and Eves, J. D. (1986). Effects of Chlorpyrifos Insecticide on Pollinators. *Am.Bee J.* 126: 441-444.
- EcoReference No.: 64812
 Chemical of Concern: PMR,CPY; Habitat: T; Effect Codes: MOR,BEH; Rejection Code: LITE EVAL CODED(PMR,CPY).
145. Luoranen, J. and Viiri, H. (2005). Insecticides Sprayed on Seedlings of *Picea abies* During Active Growth: Damage to Plants and Effect on Pine Weevils in Bioassay. *Scand.J.For.Res.* 20: 47-53.
- EcoReference No.: 98905

- Chemical of Concern: DM,PMR,LCYT; Habitat: T; Effect Codes: CEL,GRO,POP,PHY; Rejection Code: LITE EVAL CODED(PMR).
146. Lutnicka, H., Bogacka, T., and Wolska, L. (1999). Degradation of Pyrethroids in an Aquatic Ecosystem Model. *Water Res.* 33: 3441-3446.
- EcoReference No.: 20618
Chemical of Concern: CYP,BRSM,PMR,CPY,DM,FNV; Habitat: A; Effect Codes: ACC,BEH,BCM,POP,MOR; Rejection Code: LITE EVAL CODED(PMR,BRSM,CYP,FNV),NO CONTROL,NO ENDPOINT(CPY).
147. Macieira, O. J. D. and Hebling-Beraldo, M. J. A. (1989). Laboratory Toxicity of Insecticides to Workers of *Trigona spinipes* (F., 1793) (Hymenoptera, Apidae). *J.Apic.Res.* 28: 3-6.
- EcoReference No.: 51755
Chemical of Concern: PRN,DCTP,MLN,ACP,CBL,MOM,HCCH,DLN,HPT,ES,CYP,PMR,FNV; Habitat: T; Effect Codes: MOR; Rejection Code: LITE EVAL CODED(PRN,DCTP,MLN,ACP,CBL,MOM,HCCH,DLN,CYP,PMR,FNV),OK(HPT,ES).
148. Mamood, A. N. and Waller, G. D. (1990). Recovery of Learning Responses by Honeybees Following a Sublethal Exposure to Permethrin. *Physiol.Entomol.* 15: 55-60.
- EcoReference No.: 99844
Chemical of Concern: PMR; Habitat: T; Effect Codes: BEH; Rejection Code: LITE EVAL CODED(PMR).
149. Markey, K. L., Baird, A. H., Humphrey, C., and Negri, A. P. (2007). Insecticides and a Fungicide Affect Multiple Coral Life Stages. *Mar.Ecol.* 330: 127-137.
- EcoReference No.: 100575
Chemical of Concern: CPY,CPYO,PFF,ES,CBL,PMR; Habitat: A; Effect Codes: REP,GRO,MOR,PHY,POP; Rejection Code: LITE EVAL CODED(CPYO,PFF,ES,CPY,PMR),OK(CBL).
150. Marshalonis, D., Knowlton, R. E., and Merchant, H. (2006). Acute Toxicity of Permethrin to Four Populations of Oviparous Grass Shrimp, *Palaemonetes pugio* Holthuis. *Bull.EnvIRON.Contam.Toxicol.* 77: 543-550.
- EcoReference No.: 95712
Chemical of Concern: PMR; Habitat: A; Effect Codes: MOR; Rejection Code: LITE EVAL CODED(PMR).
151. Marten, G. G., Che, W., and Bordes, E. S. (1993). Compatibility of Cyclopoid Copepods with Mosquito Insecticides. *J.Am.Mosq.Control Assoc.* 9: 150-154.
- EcoReference No.: 70395
Chemical of Concern: RSM,MLN,MTPN,PMR; Habitat: A; Effect Codes: MOR; Rejection Code: LITE EVAL CODED(MTPN,RSM,MLN,PMR).
152. Mason, C. E. (1986). Progression of Knockdown and Mortality of Honey Bees (Hymenoptera: Apidae) Sprayed with Insecticides Mixed with Penncap-M. *Environ.Entomol.* 15: 170-176.
- EcoReference No.: 40005
Chemical of Concern: CBL,MLN,MOM,MP,OML,PHSL,PMR; Habitat: T; Effect Codes: MOR; Rejection Code: LITE EVAL CODED(MLN,OML,PMR,MP),OK(MOM,CBL).

153. Mason, G. A. and Johnson, M. W. (1988). Tolerance to Permethrin and Fenvalerate in Hymenopterous Parasitoids Associated with *Liriomyza* spp. (Diptera: Agromyzidae). *J.Econ.Entomol.* 81: 123-126.
- EcoReference No.: 99908
 Chemical of Concern: PMR,FNV; Habitat: T; Effect Codes: MOR; Rejection Code: LITE EVAL CODED(PMR,FNV).
154. Mayer, D. F., Lunden, J. D., and Kovacs, G. (1997). Susceptibility of Four Bee Species (Hymenoptera: Apoidea) to Field Weathered Insecticide Residues. *J.Entomol.Soc.B.C.* 94: 27-30.
- EcoReference No.: 91624
 Chemical of Concern: MDT,OMC,TDC,CYP,CBF,DM,MTM,MP,PMR,PSM,PRB,TCF; Habitat: T; Effect Codes: MOR; Rejection Code: LITE EVAL CODED(MP,MDT,DMC,PMR,PSM),OK(MTM).
155. McCain, W. C., Lee, R., Johnson, M. S., Whaley, J. E., Ferguson, J. W., Beall, P., and Leach, G. (1997). Acute Oral Toxicity Study of Pyridostigmine Bromide, Permethrin, and DEET in the Laboratory Rat. *J.Toxicol.Environ.Health* 50: 113-124.
- EcoReference No.: 99537
 Chemical of Concern: PMR,DEET; Habitat: T; Effect Codes: MOR; Rejection Code: LITE EVAL CODED(PMR).
156. McKenney, C. Jr., Matthews, E., and Lawrence, D. (1981). Mysid Life-Cycle Tests. *In: Prog.Rep., FY81, Exp.Environ.Branch, U.S.EPA, Gulf Breeze, FL* 62-73.
- EcoReference No.: 3750
 Chemical of Concern: AgN,DEF,ES,PMR,CPY,EN; Habitat: A; Effect Codes: MOR,REP; Rejection Code: LITE EVAL CODED(CPY,PMR).
157. McLeod, M. J., Twidwell, E. K., and Gallenberg, D. J. (1994). Alfalfa Weevil Control, 1993. *Arthropod Manag.Tests* 19: 172-173 (No. 7F).
- EcoReference No.: 88952
 Chemical of Concern: CPY,CBF,PSM,MP,MLN,CBL,PMR; Habitat: T; Effect Codes: POP,BCM; Rejection Code: LITE EVAL CODED(CPY,CBL,MLN,PSM,PMR),OK(CBF,MP).
158. McLoughlin, N., Yin, D., Maltby, L., Wood, R. M., and Yu, H. (2000). Evaluation of Sensitivity and Specificity of Two Crustacean Biochemical Biomarkers. *Environ.Toxicol.Chem.* 19: 2085-2092.
- EcoReference No.: 56618
 Chemical of Concern: PMR,HCCH,ZnS,PIRM; Habitat: A; Effect Codes: BCM,BEH,MOR; Rejection Code: LITE EVAL CODED(ZnS,PMR,PIRM)OK(HCCH).
159. McWilliam, R. A. and Baird, D. J. (2002). Postexposure Feeding Depression: A New Toxicity Endpoint for Use in Laboratory Studies with *Daphnia magna*. *Environ.Toxicol.Chem.* 21: 1198-1205.
- EcoReference No.: 66374
 Chemical of Concern: CuS,Cd,Zn,Pb,PMR,HCCH,FA; Habitat: A; Effect Codes: BEH,MOR; Rejection Code: LITE EVAL CODED(CuS,FA,PMR).
160. Merriam, T. L. and Axtell, R. C. (1983). Relative Toxicity of Certain Pesticides to *Lagenidium giganteum* (Oomycetes: Lagenidiales), a Fungal Pathogen of Mosquito Larvae. *Environ.Entomol.* 12: 515-521.
- EcoReference No.: 66427
 Chemical of Concern:

- MTPN,ACR,CPY,FNTH,MLN,TMP,DFZ,Captan,ATZ,DDT,HCCH,TXP,CBL,PPX,PMR; Habitat: T; Effect Codes: GRO,REP,POP; Rejection Code: LITE EVAL CODED(MLN,CBL,MTPN,ATZ,CPY,PMR,TMP),TARGET(Captan).
161. Milam, C. D., Farris, J. L., Dwyer, F. J., and Hardesty, D. K. (2005). Acute Toxicity of Six Freshwater Mussel Species (Glochidia) to Six Chemicals: Implications for Daphnids and *Utterbackia imbecillis* as Surrogates for Protection of Freshwater Mussels (Unionidae). *Arch.Environ.Contam.Toxicol.* 48: 166-173.
- EcoReference No.: 81810
Chemical of Concern: CBL,Cu,NYP,PCP,PMR,24DXY; Habitat: A; Effect Codes: MOR; Rejection Code: LITE EVAL CODED(24DXY,PMR).
162. Milam, C. D., Farris, J. L., and Wilhide, J. D. (2000). Evaluating Mosquito Control Pesticides for Effect on Target and Nontarget Organisms. *Arch.Environ.Contam.Toxicol.* 39: 324-328.
- EcoReference No.: 56989
Chemical of Concern: PMR,RSM,CPY,MLN,TMP; Habitat: A; Effect Codes: MOR; Rejection Code: LITE EVAL CODED(CPY,RSM,MLN,PMR),OK(TMP).
163. Mitchell, J. A., Wilson, M. C., and Kallman, M. J. (1988). Behavioral Effects of Pydrin and Ambush in Male Mice. *Neurotoxicol.Teratol.* 10: 113-119 .
- EcoReference No.: 94312
Chemical of Concern: FNV,PMR; Habitat: T; Effect Codes: PHY,BEH; Rejection Code: LITE EVAL CODED(PMR),OK(FNV),NO COC(SAC,SMM).
164. Mohsen, Z. H., Ouda, N. A., Al-Faisal, A. H., and Mehdi, N. S. (1985). Toxicity of Mosquito Larvicides to Backswimmer *Anisop sardea* H.S. (Hemiptera: Notonectidae) and Dragonfly *Corcothem erythraea* Brulle (Odonata: Libellulidae). *J.Biol.Sci.Res.* 16: 273-282.
- EcoReference No.: 89593
Chemical of Concern: PMR,DDT,MLN,TMP; Habitat: A; Effect Codes: MOR; Rejection Code: LITE EVAL CODED(PMR,DDT,TMP,MLN).
165. Mohsen, Z. H., Ouda, N. A., and Zaiya, H. H. (1989). Predatory Efficiency and Tolerance of *Gambusia affinis* to Mosquito Larvicides. *J.Biol.Sci.Res.* 20: 528-536.
- EcoReference No.: 184
Chemical of Concern: FYC,MLN,TMP,CYP,DM,PMR,CYR,LCYT,CYR,MEL; Habitat: A; Effect Codes: MOR; Rejection Code: LITE EVAL CODED(PMR,FYC,CYP,MLN,CYR,MEL).
166. Morgan, D. W. T. and Bailie, H. D. (1980). A Field Trial to Determine the Effect of Fly Control Using Permethrin on Milk Yields in Dairy Cattle in the UK. *Vet.Rec.* 106: 121-123.
- EcoReference No.: 38025
Chemical of Concern: PMR; Habitat: T; Effect Codes: PHY; Rejection Code: LITE EVAL CODED(PMR).
167. Muirhead-Thomson, R. C. (1978). Lethal and Behavioral Impact of Permethrin (NRDC 143) on Selected Stream Macroinvertebrates. *Mosq.News* 38: 185-190.
- EcoReference No.: 5188
Chemical of Concern: PMR; Habitat: A; Effect Codes: MOR,POP,BEH; Rejection Code: LITE EVAL CODED(PMR).

168. Mwangala, F. S., Sarna, L. P., Galloway, T. D., and Webster, G. R. B. (1993). Distribution of Fenvalerate and Permethrin Residues on Cattle Hair Following Variable Application Rates of Impregnated Ear Tags. *Pestic.Sci.* 39: 179-184 .
- EcoReference No.: 93043
Chemical of Concern: FNV,PMR; Habitat: T; Effect Codes: ACC; Rejection Code: LITE EVAL CODED(FNV,PMR).
169. Naqvi, S. M. and Hawkins, R. (1988). Toxicity of Selected Insecticides (Thiodan, Security, Spartan, and Sevin) to Mosquitofish, *Gambusia affinis*. *Bull.Enviro.n.Contam.Toxicol.* 40: 779-784.
- EcoReference No.: 5806
Chemical of Concern: CBL,ES,MLN,PMR; Habitat: A; Effect Codes: MOR; Rejection Code: LITE EVAL CODED(CBL,MLN,PMR),OK(ES).
170. Naqvi, S. M. and Hawkins, R. H. (1989). Responses and LC50 Values for Selected Microcrustaceans Exposed to Spartan, Malathion, Sonar, Weedtrine-D, and Oust Pesticides. *Bull.Enviro.n.Contam.Toxicol.* 43: 386-393.
- EcoReference No.: 786
Chemical of Concern: MLN,SMM,PMR,ES; Habitat: A; Effect Codes: MOR; Rejection Code: LITE EVAL CODED(PMR,SMM,MLN),OK(ALL CHEMS).
171. Nasuti, C., Cantalamessa, F., Falcioni, G., and Gabbianelli, R. (2003). Different Effects of Type I and Type II Pyrethroids on Erythrocyte Plasma Membrane Properties and Enzymatic Activity in Rats. *Toxicology* 191: 233-244.
- EcoReference No.: 76643
Chemical of Concern: CYP,PMR; Habitat: T; Effect Codes: GRO,PHY,BCM,BEH; Rejection Code: LITE EVAL CODED(CYP,PMR).
172. Nasuti, C., Gabbianelli, R., Falcioni, M. L., Di Stefano, A., Sozio, P., and Cantalamessa, F. (2007). Dopaminergic System Modulation, Behavioral Changes, and Oxidative Stress After Neonatal Administration of Pyrethroids. *Toxicology* 229: 194-205.
- EcoReference No.: 99536
Chemical of Concern: CYP,PMR; Habitat: T; Effect Codes: PHY,BCM,GRO; Rejection Code: LITE EVAL CODED(PMR),OK(CYP).
173. Nation, J. L., Robinson, F. A., Yu, S. J., and Bolten, A. B. (1986). Influence Upon Honeybees of Chronic Exposure to Very Low Levels of Selected Insecticides in Their Diet. *J.Apic.Res.* 25: 170-177.
- EcoReference No.: 95956
Chemical of Concern: DFZ,MXC,CBL,MLN,PMR; Habitat: T; Effect Codes: BCM,BEH,POP; Rejection Code: LITE EVAL CODED(PMR),OK(CBL,MLN).
174. Ocampo, C. B., Brogdon, W. G., Orrego, C. M., Toro, G., and Montoya-Lerma, J. (2000). Insecticide Susceptibility in *Anopheles pseudopunctipennis* from Colombia: Comparison Between Bioassays and Biochemical Assays. *J.Am.Mosq.Control Assoc.* 16: 331-338.
- EcoReference No.: 99596
Chemical of Concern: PPX,PMR,MLN; Habitat: A; Effect Codes: MOR; Rejection Code: LITE EVAL CODED(PMR),OK(MLN).
175. Oladiran, A. O. (1990). The Effect of Fungicides and Insecticides Singly and in Combination on the Control of Brown Blotch, Pod Borer Infestation and Yields of *Vigna unguiculata* (L) Walp. *Trop.Pest*

- Manag.* 36: 397-402.
- EcoReference No.: 82952
 Chemical of Concern: BMY, MEM, PMR; Habitat: T; Effect Codes: POP, PHY; Rejection Code: LITE EVAL CODED(PMR).
176. Orr, D. B., Boethel, D. J., and Layton, M. B. (1989). Effect of Insecticide Applications in Soybeans on *Trissolcus basalis* (Hymenoptera: Scelionidae). *J.Econ.Entomol.* 82: 1078-1084.
- EcoReference No.: 99619
 Chemical of Concern: MP, PMR; Habitat: T; Effect Codes: MOR, REP; Rejection Code: LITE EVAL CODED(PMR), OK(MP).
177. Ortiz, D., Yanez, L., Gomez, H., Martinez-Salazar, J. A., and Diaz-Barriga, F. (1995). Acute Toxicological Effects in Rats Treated with a Mixture of Commercially Formulated Products Containing Methyl Parathion and Permethrin. *Ecotoxicol. Environ. Saf.* 32: 154-158.
- EcoReference No.: 91392
 Chemical of Concern: MP, PMR; Habitat: T; Effect Codes: MOR, BCM; Rejection Code: LITE EVAL CODED(MP, PMR).
178. Parsons, J. T. and Surgeoner, G. A. (1991). Acute Toxicities of Permethrin, Fenitrothion, Carbaryl and Carbofuran to Mosquito Larvae During Single- or Multiple-Pulse Exposures. *Environ.Toxicol.Chem.* 10: 1229-1233.
- EcoReference No.: 3917
 Chemical of Concern: CBF, CBL, PMR, FNT; Habitat: A; Effect Codes: MOR; Rejection Code: LITE EVAL CODED(CBL, CBF, PMR), OK(FNT).
179. Parsons, J. T. and Surgeoner, G. A. (1991). Effect of Exposure Time on the Acute Toxicities of Permethrin, Fenitrothion, Carbaryl and Carbofuran to Mosquito Larvae. *Environ.Toxicol.Chem.* 10: 1219-1227.
- EcoReference No.: 3916
 Chemical of Concern: CBF, CBL, PMR, FNT; Habitat: A; Effect Codes: MOR; Rejection Code: LITE EVAL CODED(PMR, CBL, CBF).
180. Paul, E. A., Simonin, H. A., and Tomajer, T. M. (2005). A Comparison of the Toxicity of Synergized and Technical Formulations of Permethrin, Sumithrin, and Resmethrin to Trout. *Arch. Environ. Contam. Toxicol.* 48: 251-259.
- EcoReference No.: 81394
 Chemical of Concern: PMR, SMT, RSM; Habitat: A; Effect Codes: MOR, ITX, BEH; Rejection Code: LITE EVAL CODED(SMT, PMR).
181. Payne, N. J., Helson, B. V., Sundaram, K. M. S., and Fleming, R. A. (1988). Estimating Buffer Zone Widths for Pesticide Applications. *Pestic.Sci.* 24: 147-161.
- EcoReference No.: 99847
 Chemical of Concern: PMR; Habitat: A; Effect Codes: MOR; Rejection Code: LITE EVAL CODED(PMR).
182. Peele, D. B. and Crofton, K. M. (1987). Pyrethroid Effects on Schedule-Controlled Behavior: Time and Dosage Relationships. *Neurotoxicol. Teratol.* 9: 387-394.
- EcoReference No.: 99904

- Chemical of Concern: PMR,CYP; Habitat: T; Effect Codes: BEH; Rejection Code: LITE EVAL CODED(PMR),OK(CYP).
183. Peiris, H. T. R. and Hemingway, J. (1990). Temephos Resistance and the Associated Cross-Resistance Spectrum in a Strain of *Culex quinquefasciatus* Say (Diptera: Culicidae) from Peliyagoda, Sri Lanka. *Bull.Entomol.Res.* 80: 49-55.
- EcoReference No.: 100276
Chemical of Concern: PMR,BDC,PPX,FNT,PIRM,PRN,MLN,CPY,FNTH,TMP; Habitat: AT; Effect Codes: MOR; Rejection Code: LITE EVAL CODED(PMR,MLN,CPY,TMP).
184. Pike, K. S., Mayer, D. F., Glazer, M., and Kiouss, C. (1982). Effects of Permethrin on Mortality and Foraging Behavior of Honey Bees in Sweet Corn. *Environ.Entomol.* 11: 951-953.
- EcoReference No.: 35386
Chemical of Concern: PMR; Habitat: T; Effect Codes: MOR,BEH,POP; Rejection Code: LITE EVAL CODED(PMR).
185. Pittman, J. T., Dodd, C. A., and Klein, B. G. (2003). Immunohistochemical Changes in the Mouse Striatum Induced by the Pyrethroid Insecticide Permethrin. *Int.J.Toxicol.* 22: 359-370.
- EcoReference No.: 97326
Chemical of Concern: PMR; Habitat: T; Effect Codes: BCM,PHY; Rejection Code: LITE EVAL CODED(PMR).
186. Poirier, D. G. and Surgeoner, G. A. (1986). Evaluation of the Toxicity of Spruce Budworm Insecticides to Aquatic Invertebrates. In: G.W.Ozburn, (Ed.), *Proc.12th Annual Aquatic Toxicity Workshop, Nov.5-8, 1985, Thunder Bay, Ontario, Can.Tech.Rep.Fish.Aquat.Sci.No.1462, Dep.Fish.Oceans, Ottawa, Ontario, Canada* 99-120.
- EcoReference No.: 12547
Chemical of Concern: PMR,FNT; Habitat: A; Effect Codes: MOR; Rejection Code: LITE EVAL CODED(PMR),OK(FNT).
187. Poirier, D. G. and Surgeoner, G. A. (1987). Laboratory Flow-Through Bioassays of Four Forestry Insecticides Against Stream Invertebrates. *Can.Entomol.* 119: 755-763.
- EcoReference No.: 12682
Chemical of Concern: PMR,FNT; Habitat: A; Effect Codes: MOR; Rejection Code: LITE EVAL CODED(PMR),OK(FNT).
188. Ponlawat, A., Scott, J. G., and Harrington, L. C. (2005). Insecticide Susceptibility of *Aedes aegypti* and *Aedes albopictus* Across Thailand. *J.Med.Entomol.* 42: 821-825.
- EcoReference No.: 99822
Chemical of Concern: MLN,PMR,TMP; Habitat: A; Effect Codes: MOR; Rejection Code: LITE EVAL CODED(MLN,PMR,TMP).
189. Powell, J. E., King, E. G. Jr., and Jany, C. S. (1986). Toxicity of Insecticides to Adult *Microplitis croceipes* (Hymenoptera: Braconidae). *J.Econ.Entomol.* 79: 1343-1346.
- EcoReference No.: 91911
Chemical of Concern: SPS,FYT,FNV,MP,CPY,AZ,MLN,PMR,TXP,DCTP,MOM; Habitat: T; Effect Codes: MOR,GRO; Rejection Code: LITE EVAL CODED(SPS,FYT,FNV,MP,CPY,AZ,MLN,PMR,TXP,DCTP,MOM).

190. Prater, M. R., Gogal, R. M. Jr., Blaylock, B. L., and Holladay, S. D. (2003). Cis-Urocanic Acid Increases Immunotoxicity and Lethality of Dermally Administered Permethrin in C57BL/6N Mice. *Int.J.Toxicol.* 22: 35-42.
- EcoReference No.: 99915
Chemical of Concern: PMR; Habitat: T; Effect Codes: GRO,CEL; Rejection Code: LITE EVAL CODED(PMR).
191. Punareewattana, K., Smith, B. J., Blaylock, B. L., Robertson, J. L., Gogal, R. M. Jr., Prater, M. R., Longstreth, J., Snodgrass, H. L., and Holladay, S. D. (2000). Topical Permethrin Exposure Causes Thymic Atrophy and Persistent Inhibition of the Contact Hypersensitivity Response in C57Bl/6 Mice. *Int.J.Toxicol.* 19: 383-389.
- EcoReference No.: 99916
Chemical of Concern: PMR; Habitat: T; Effect Codes: GRO,CEL,PHY; Rejection Code: LITE EVAL CODED(PMR).
192. Racey, P. A. and Swift, S. M. (1986). The Residual Effects of Remedial Timber Treatments on Bats. *Biol.Conserv.* 35: 205-214.
- EcoReference No.: 76890
Chemical of Concern: DM,PCP,HCCH,TOL,PMR,CYP,TBTO,CuNP; Habitat: T; Effect Codes: MOR; Rejection Code: LITE EVAL CODED(CYP,PCP,PMR).
193. Rathman, R. J., Johnson, M. W., Tabashnik, B. E., and Spollen, K. M. (1995). Variation in Susceptibility to Insecticides in the Leafminer Parasitoid *Ganaspidium utilis* (Hymenoptera: Eucolidae). *J.Econ.Entomol.* 88: 475-479.
- EcoReference No.: 74128
Chemical of Concern: MOM,OML,PMR,MLN,FNV; Habitat: T; Effect Codes: MOR; Rejection Code: LITE EVAL CODED(OML,MOM,PMR,MLN,FNV).
194. Reid, B. L. and Klotz, J. H. (1992). Oral Toxicity of Various Insecticides, 1990-1991. *Insectic.Acaric.Tests* 17: 376 (6J).
- EcoReference No.: 100275
Chemical of Concern: PMR,CPY,ABM; Habitat: T; Effect Codes: MOR; Rejection Code: LITE EVAL CODED(PMR,CPY).
195. Reza, F. M. and Vijayan, V. A. (2006). Differential Tolerance of Two Morphological Variants of *Culex tritaeniorhynchus* (Diptera: Culicidae), a Japanese Encephalitis Vector, to Pyrethroid Insecticides in Mysore, India. *Southeast Asian J.Trop.Med.Public Health* 37: 128-131.
- EcoReference No.: 99647
Chemical of Concern: DM,CYP,PMR,LCYT; Habitat: A; Effect Codes: MOR; Rejection Code: LITE EVAL CODED(PMR,CYP,DM,LCYT).
196. Rice, P. J., Drewes, C. D., Klubertanz, T. M., Bradbury, S. P., and Coats, J. R. (1997). Acute Toxicity and Behavioral Effects of Chlorpyrifos, Permethrin, Phenol, Strychnine, and 2,4-Dinitrophenol to 30-Day-Old Japanese Medaka (*Oryzias latipes*). *Environ.Toxicol.Chem.* 16: 696-704.
- EcoReference No.: 17866
Chemical of Concern: CPY,PL,PMR; Habitat: A; Effect Codes: MOR,BEH,CEL,GRO,ACC; Rejection Code: LITE EVAL CODED(CPY,PMR).
197. Ritchie, S. A. (2001). Efficacy of Australian Quarantine Procedures Against the Mosquito *Aedes*

aegypti. *J.Am.Mosq.Control Assoc.* 17: 114-117.

EcoReference No.: 99598

Chemical of Concern: NaCl,NaHCT,Cl,MB,PMR; Habitat: AT; Effect Codes: MOR; Rejection Code: LITE EVAL CODED(PMR).

198. Riviere, J. L., Bach, J., and Grolleau, G. (1983). Effect of Pyrethroid Insecticides and N-(3,5-Dichlorophenyl)Dicarboximide Fungicides on Microsomal Drug-Metabolizing Enzymes in the Japanese Quail (*Coturnix coturnix*). *Bull.Environ.Contam.Toxicol.* 31: 479-485.

EcoReference No.: 38526

Chemical of Concern: VCZ,CYP,FNV,DM,PMR; Habitat: T; Effect Codes: BCM,GRO; Rejection Code: LITE EVAL CODED(FNV,PMR),OK(VCZ,CYP,DM).

199. Roberts, B. L. and Dorough, H. W. (1984). Relative Toxicities of Chemicals to the Earthworm *Eisenia foetida*. *Environ.Toxicol.Chem.* 3: 67-78.

EcoReference No.: 40531

Chemical of Concern:

DU,FNV,ES,FNF,FML,NCTN,CBD,MLN,PRN,Captan,TPM,PPB,DCTP,ACP,BMY,MBZ,PAQT,BN Z,CH3I,TFN,NaNO3,AZ,24DXY,NP,Cd,Pb,CuS,DDT,PAH,IDM,DMM,CYP,PMR,CBF,ADC,MOM,CBL,PPX,CPY,NHN,CTC; Habitat: T; Effect Codes: MOR; Rejection Code: LITE EVAL CODED(PMR,24DXY,FNV,CPY,Captan,MLN,ADC,CBL,NCTN,CBF,MOM,PPB,CuS,CYP).

200. Rose, G. P. and Dewar, A. J. (1983). Intoxication with Four Synthetic Pyrethroids Fails to Show any Correlation Between Neuromuscular Dysfunction and Neurobiochemical Abnormalities in Rats. *Arch.Toxicol.* 53: 297-316.

EcoReference No.: 69776

Chemical of Concern: PMR,DM,RSM,CYP,PYT; Habitat: T; Effect Codes: PHY,BCM; Rejection Code: LITE EVAL CODED(CYP,RSM,PMR),OK(DM,PYT).

201. Rowland, S., Goodson, T., and Cartwright, B. (1994). Control of Cabbage Looper on Broccoli, Fall 1993. *Insectic.Acaric.Tests* 19: 62-63 (11E).

EcoReference No.: 82725

Chemical of Concern: DKGNa,FYC,BFT,PMR; Habitat: T; Effect Codes: POP,PHY; Rejection Code: LITE EVAL CODED(DKGNa,FYC,BFT,PMR).

202. Rubio-Moran, R., Rowley, W. A., and Coats, J. R. (1981). Effect of Permethrin and Malathion on *Aedes trivittatus* and *Culex pipiens pipiens*. *Iowa State J.Res.* 55: 235-244.

EcoReference No.: 4896

Chemical of Concern: MLN,PMR; Habitat: AT; Effect Codes: MOR; Rejection Code: LITE EVAL CODED(MLN,PMR).

203. Rust, M. K., Haagsma, K., and Reiersen, D. A. (1996). Barrier Sprays to Control Argentine Ants (Hymenoptera: Formicidae). *J.Econ.Entomol.* 89: 134-137 .

EcoReference No.: 99750

Chemical of Concern: CPY,PMR,CYP,CYF; Habitat: T; Effect Codes: POP; Rejection Code: LITE EVAL CODED(PMR,CPY),OK(CYF,CYP).

204. Sahgal, A. and Pillai, M. K. K. (1993). Ovicidal Activity of Permethrin and Deltamethrin on Mosquitoes. *Entomon* 17: 149-154.

- EcoReference No.: 17536
Chemical of Concern: DM,PMR; Habitat: A; Effect Codes: MOR; Rejection Code: LITE EVAL CODED(PMR).
205. Sames IV, W. J., Wilson, W. T., Smith, J. W. Jr., and Petersen, H. D. (1991). Effective Destruction of Honey Bee Colonies. *Southwest.Entomol.* 16: 19-24.
- EcoReference No.: 70408
Chemical of Concern: RSM,PMR,KNO3; Habitat: T; Effect Codes: MOR,POP,PHY; Rejection Code: LITE EVAL CODED(RSM,PMR),OK(KNO3).
206. Santharam, K. R., Thayumanavan, B., and Krishnaswamy, S. (1976). Toxicity of Some Insecticides to *Daphnia carinata* King, an Important Link in the Food Chain in the Freshwater Ecosystems. *Indian J.Ecol.* 3: 70-73 (OECDG Data File).
- EcoReference No.: 5194
Chemical of Concern: DDT,CBL,ES,MLN,PMR; Habitat: A; Effect Codes: MOR; Rejection Code: LITE EVAL CODED(CBL,MLN,PMR),OK(DDT,ES).
207. Sappington, L. C., Mayer, F. L., Dwyer, F. J., Buckler, D. R., Jones, J. R., and Ellersieck, M. R. (2001). Contaminant Sensitivity of Threatened and Endangered Fishes Compared to Standard Surrogate Species. *Environ.Toxicol.Chem.* 20: 2869-2876.
- EcoReference No.: 65396
Chemical of Concern: CuS,PMR,CBL,PCP,NYP; Habitat: A; Effect Codes: MOR; Rejection Code: LITE EVAL CODED(CBL,CuS,PCP,PMR),OK(NYP).
208. Scott, J. G. and Georghiou, G. P. (1986). Malathion-Specific Resistance in *Anopheles stephensi* From Pakistan. *J.Am.Mosq.Control Assoc.* 2: 29-32.
- EcoReference No.: 11799
Chemical of Concern: BDC,CBL,MLN,FNT,PMR; Habitat: A; Effect Codes: MOR,PHY; Rejection Code: LITE EVAL CODED(CBL,MLN,PMR),OK(BDC,FNT).
209. Semtner, P. J. (1987). Systemic Insecticides for the Control of Insects on Flue-Cured Tobacco, 1986. *Insectic.Acaric.Tests* 12: 298-299 (353).
- EcoReference No.: 88779
Chemical of Concern: CBF,CPY,FMP,PMR,ADC; Habitat: T; Effect Codes: POP; Rejection Code: LITE EVAL CODED(CPY,PMR),OK(CBF,ADC).
210. Sfara, V., De Licastro, S. A., Masuh, H. M., Seccacini, E. A., Alzogaray, R. A., and Zerba, E. N. (2007). Synergism Between Cis-Permethrin and Benzoyl Phenyl Urea Insect Growth Regulators Against *Aedes aegypti* Larvae. *J.Am.Mosq.Control Assoc.* 23: 24-28.
- EcoReference No.: 100192
Chemical of Concern: DFZ,NVL,PMR; Habitat: A; Effect Codes: REP,MOR; Rejection Code: LITE EVAL CODED(PMR,DFZ,NVL).
211. Sibley, P. K. and Kaushik, N. K. (1991). Toxicity of Microencapsulated Permethrin to Selected Nontarget Aquatic Invertebrates. *Arch.Environ.Contam.Toxicol.* 20: 168-176.
- EcoReference No.: 101
Chemical of Concern: PMR; Habitat: A; Effect Codes: MOR,REP; Rejection Code: LITE EVAL CODED(PMR).

212. Sibley, P. K., Kaushik, N. K., and Kreutzweiser, D. P. (1991). Impact of a Pulse Application of Permethrin on the Macroinvertebrate Community of a Headwater Stream. *Environ.Pollut.* 70: 35-55.
- EcoReference No.: 96477
 Chemical of Concern: PMR; Habitat: A; Effect Codes: POP; Rejection Code: LITE EVAL CODED(PMR).
213. Siddappaji, C., Kumar, A. R. V., and Gangadharaiah (1986). Evaluation of Different Insecticidal Sprays Against the Chickpea *Heliothis armigera* (Hubner). *Pesticides* 20: 13-16.
- EcoReference No.: 89154
 Chemical of Concern: DM,AZD,ES,CBL,FNT,PHSL,MLN,MP,FNV,PMR,CYP,DCM,CPY,EFV;
Habitat: T; Effect Codes: POP; Rejection Code: LITE EVAL CODED(DM,MP,FNV,PMR,CPY,CYP),TARGET(CBL),NO CROP,TARGET(MLN),EFFICACY(AZD).
214. Siegfried, B. D. (1993). Comparative Toxicity of Pyrethroid Insecticides to Terrestrial and Aquatic Insects. *Environ.Toxicol.Chem.* 12: 1683-1689.
- EcoReference No.: 9304
 Chemical of Concern: BFT,CPY,CYP,PMR,PYT; Habitat: AT; Effect Codes: MOR; Rejection Code: LITE EVAL CODED(CPY,CYP,BFT,PMR).
215. Spehar, R. L., Tanner, D. K., and Nordling, B. R. (1983). Toxicity of the Synthetic Pyrethroids, Permethrin and AC 222, 705 and Their Accumulation in Early Life Stages of Fathead Minnows and Snails. *Aquat.Toxicol.* 3: 171-182.
- EcoReference No.: 10503
 Chemical of Concern: PMR,PYT; Habitat: A; Effect Codes: MOR,GRO,ACC,REP; Rejection Code: LITE EVAL CODED(PMR).
216. Spencer, F. and Berhane, Z. (1982). Uterine and Fetal Characteristics in Rats Following a Post-Implantational Exposure to Permethrin. *Bull.Environ.Contam.Toxicol.* 29: 84-88.
- EcoReference No.: 91695
 Chemical of Concern: PMR; Habitat: T; Effect Codes: BCM,BEH,REP; Rejection Code: LITE EVAL CODED(PMR),NO COC(TMT).
217. Spomer, S. M., Haile, F. J., and Higley, L. G. (1999). Alfalfa Insect Control, 1998. *Arthropod Manag.Tests* 24: 203-206 (F13).
- EcoReference No.: 88271
 Chemical of Concern: CYF,CBF,PMR,CPY; Habitat: T; Effect Codes: PHY,POP; Rejection Code: LITE EVAL CODED(PMR,CPY),OK(CYF,CBF).
218. Stratton, G. W. and Corke, C. T. (1982). Comparative Fungitoxicity of the Insecticide Permethrin and Ten Degradation Products. *Pestic.Sci.* 13: 679-685 .
- EcoReference No.: 91561
 Chemical of Concern: PMR,PBA,BZO; Habitat: T; Effect Codes: POP; Rejection Code: LITE EVAL CODED(PBA,PMR).
219. Stratton, G. W. and Giles, J. (1990). Importance of Bioassay Volume in Toxicity Tests Using Algae and Aquatic Invertebrates. *Bull.Environ.Contam.Toxicol.* 44: 420-427.
- EcoReference No.: 2554

- Chemical of Concern: ATZ,PMR,DDT; Habitat: A; Effect Codes: PHY; Rejection Code: LITE EVAL CODED(ATZ,PMR),OK(DDT).
220. Stratton, G. W., Huber, A. L., and Corke, C. T. (1980). The Effect of Pesticides and Their Metabolites, Alone and in Combination, on Algal Processes. *In: J.F.Klaverkamp, S.L.Leonard and K.E.Marshall (Eds.), Proc.6th Annu.Tox.Workshop, Can.Tech.Rep.Fish Aquat.Sci.No.975* 131-139.
- EcoReference No.: 4684
Chemical of Concern: PMR,ATZ,DU,PYT,DEATZ,DIATZ,DCT,PBA; Habitat: A; Effect Codes: POP,BCM,PHY; Rejection Code: LITE EVAL CODED(ATZ,DEATZ,DIATZ,DCT,PMR),OK(DU).
221. Sukul, P. (1994). Effect of Synthetic Pyrethroids on Leaf Chlorophyll and Grain Nutrient Element Content of Green Gram (*Vigna radiata* L.) Wilczek. *Agric.Biol.Res.* 10: 8-11.
- EcoReference No.: 93383
Chemical of Concern: FNV,PMR,CYP,DCM; Habitat: T; Effect Codes: BCM; Rejection Code: LITE EVAL CODED(FNV,PMR,CYP,DCM).
222. Summerlin, B., Gold, R., and Cook, J. (1999). Field Evaluation of Gard Star (Permethrin 40% EC) on Red Imported Fire Ant (Rifa), 1995. *Arthropod Manag.Tests* 24: 390 (J4).
- EcoReference No.: 99808
Chemical of Concern: PMR; Habitat: T; Effect Codes: BEH; Rejection Code: LITE EVAL CODED(PMR).
223. Tasistro, A. and Mihm, J. A. (1987). Control of Fall Armyworm in Field Corn, 1985. *Insectic.Acaric.Tests* 12: 223-224 (260).
- EcoReference No.: 88711
Chemical of Concern: DCM,PMR,CPY,TBO,CBL,DM,CYP; Habitat: T; Effect Codes: POP,GRO; Rejection Code: LITE EVAL CODED(PMR),EFFICACY(DCM,CPY,TBO,CBL,DM,CYP).
224. Taylor, K. S., Waller, G. D., and Crowder, L. A. (1987). Impairment of a Classical Conditioned Response of the Honey Bee (*Apis mellifera* L.) by Sublethal Doses of Synthetic Pyrethroid Insecticides. *Apidologie* 18: 243-252.
- EcoReference No.: 92559
Chemical of Concern: FVL,FNV,PMR,CYP,CYF,FYT; Habitat: T; Effect Codes: BEH; Rejection Code: LITE EVAL CODED(FNV,PMR),OK(FVL,CYP).
225. Taylor, W. G., Hall, T. W., and Vedres, D. D. (1998). Synthesis and Larvicidal Properties of Some Cyclopropylcarboxamides Related to cis-Permethrin. *J.Agric.Food Chem.* 46: 1572-1576.
- EcoReference No.: 99824
Chemical of Concern: PCPMR; Habitat: A; Effect Codes: MOR; Rejection Code: LITE EVAL CODED(PCPMR).
226. Thompson, L. S. (1981). Field Evaluation of Insecticides for Control of the Alfalfa Blotch Leafminer and Its Effect on Alfalfa Yield in Prince Edward Island. *J.Econ.Entomol.* 74: 363-365.
- EcoReference No.: 99781
Chemical of Concern: FNV,CYP,PSM,DMT,MDT,OML,CBF,PMR,MOM,ACP; Habitat: T; Effect Codes: POP; Rejection Code: LITE EVAL CODED(PMR),OK(FNV,CYP,PSM,DMT,MDT,OML,CBF,MOM,ACP).
227. Thurston, R. V., Gilfoil, T. A., Meyn, E. L., Zajdel, R. K., Aoki, T. L., and Veith, G. D. (1985).

Comparative Toxicity of Ten Organic Chemicals to Ten Common Aquatic Species. *Water Res.* 19: 1145-1155.

EcoReference No.: 12004

Chemical of Concern: PMR,PCP,EN; Habitat: A; Effect Codes: MOR; Rejection Code: LITE EVAL CODED(PCP,PMR),OK(EN).

228. Tilson, H. A., Hong, J. S., and Mactutus, C. F. (1985). Effects of 5,5-Diphenylhydantoin (Phenytoin) on Neurobehavioral Toxicity of Organochlorine Insecticides and Permethrin. *J.Pharmacol.Exp.Ther.* 233: 285-289.

EcoReference No.: 100132

Chemical of Concern: PMR,DDT,HCCH; Habitat: T; Effect Codes: BEH; Rejection Code: LITE EVAL CODED(PMR).

229. Toscano, N. C., Sances, F. V., Johnson, M. W., and LaPre, L. F. (1982). Effect of Various Pesticides on Lettuce Physiology and Yield. *J.Econ.Entomol.* 75: 738-741.

EcoReference No.: 41092

Chemical of Concern: FNV,MOM,MP,PMR; Habitat: T; Effect Codes: PHY,GRO; Rejection Code: LITE EVAL CODED(MOM,MP,FNV,PMR).

230. Trimble, R. M. and Pree, D. J. (1987). Relative Toxicity of Six Insecticides to Male and Female *Pholetesor ornigis* (Weed) (Hymenoptera: Braconidae), a Parasite of the Spotted Tentiform Leafminer, *Phyllonorycter blancardella* (Fabr.) (Lepidoptera: Gracillariidae). *Can.Entomol.* 119: 153-157.

EcoReference No.: 73594

Chemical of Concern: PMR,FNV,DM,AZ,MOM,PSM; Habitat: T; Effect Codes: MOR; Rejection Code: LITE EVAL CODED(PMR,MOM,FNV,AZ).

231. Tu, C. M. (1978). Effect of Pesticides on Acetylene Reduction and Microorganisms in a Sandy Loam. *Soil Biol.Biochem.* 10: 451-456.

EcoReference No.: 54977

Chemical of Concern:

OML,EP,HCCH,NTP,24D,THM,Maneb,Captan,DPDP,PMR,CBF,CPY,DZ,ETN,FNF,MLN,PRN,PR T,CHD,DLD; Habitat: T; Effect Codes: POP,SYS; Rejection Code: LITE EVAL CODED(24D,Captan,CPY,MLN,PMR,PRT,DZ),TARGET(THM,Maneb),OK(CBF).

232. Tu, C. M. (1982). Effect of Pyrethroid Insecticides on Soybean and Its Pathogen *Rhizoctonia solani* Kuehn. *J.Environ.Sci.Health Part B* 17: 43-50.

EcoReference No.: 99724

Chemical of Concern: THM,PMR,FNV,DCM,CYP; Habitat: T; Effect Codes: POP,MOR; Rejection Code: LITE EVAL CODED(THM,PMR,FNV,CYP,DCM).

233. Tu, C. M. (1991). Effect of Some Technical and Formulated Insecticides on Microbial Activities in Soil. *J.Environ.Sci.Health Part B* 26: 557-573.

EcoReference No.: 69689

Chemical of Concern: HgCl₂,FNF,FNV,PMR,CYP,DZ,CPY,CHD,ES,PRN,Hg,EFV; Habitat: T; Effect Codes: POP; Rejection Code: LITE EVAL CODED(DZ,CYP,PMR,CPY,FNV).

234. Tu, C. M. (1981). Effects of Pesticides on Activities of Enzymes and Microorganisms in a Clay Soil. *J.Environ.Sci.Health Part B* 16: 179-191.

- EcoReference No.: 93646
 Chemical of Concern:
 13DPE,PMR,OML,CBF,HCCH,DLD,CHD,TBO,PRT,PRN,MLN,CPY,DZ,ETN,EP,FNF,Captan,Maneb,THM,24D,NTP,DD,DPDP,TC17,DDMITC; Habitat: T; Effect Codes: SYS,POP; Rejection Code: LITE EVAL
 CODED(DZ,TBO,PRT,CPY,PMR,24D,DD,DPDP,13DPE,TC17),TARGET(Maneb,Captan,DDMITC),OK(CBF,MLN,THM).
235. Tu, C. M. (1980). Influence of Five Pyrethroid Insecticides on Microbial Populations and Activities in Soil. *Microb.Ecol.* 5: 321-327.
- EcoReference No.: 99642
 Chemical of Concern: PMR,CBF,CPY,Maneb,NTP,FPP,CYP,FNV,DM; Habitat: T; Effect Codes: POP,PHY; Rejection Code: LITE EVAL CODED(PMR,CBF,CPY,Maneb,NTP,FPP,CYP,FNV,DM).
236. Tu, C. M. (1979). Influence of Pesticides on Acetylene Reduction and Growth of Microorganisms in an Organic Soil. *J.Environ.Sci.Health Part B* 14: 617-624 .
- EcoReference No.: 93645
 Chemical of Concern:
 NTP,24D,13DPE,PMR,OML,CBF,HCCH,DLD,CHD,TBO,PRT,PRN,MLN,CPY,DZ,ETN,EP,FNF,Captan,Maneb,THM,DD,TC17,DDMITC; Habitat: T; Effect Codes: POP,SYS; Rejection Code: LITE EVAL
 CODED(DZ,TBO,PRT,CPY,24D,PMR,DD,TC17,13DPE),TARGET(Maneb,Captan),OK(DDMITC,CBF,MLN,THM).
237. Vijayan, V. A. and Ningegowda, N. (1993). Susceptibility Difference in Two Populations of *Culex quinquefasciatus* Say (Diptera: Culicidae) to Three Synthetic Pyrethroids. *Southeast Asian J.Trop.Med.Public Health* 24: 540-543.
- EcoReference No.: 100165
 Chemical of Concern: DM,CYP,PMR; Habitat: A; Effect Codes: MOR; Rejection Code: LITE EVAL CODED(PMR),OK(CYP).
238. Walsh, G. E. and Alexander, S. V. (1980). A Marine Algal Bioassay Method: Results with Pesticides and Industrial Wastes. *Water Air Soil Pollut.* 13: 45-55 (Author Communication Used).
- EcoReference No.: 5297
 Chemical of Concern: CBL,EP,MP,PRT,TBC,PMR,TBF; Habitat: A; Effect Codes: GRO; Rejection Code: LITE EVAL CODED(TBF,CBL,PRT,MP,PMR),OK(EP,TBC).
239. Weiss, M. J., McLeod, P., Schatz, B. G., and Hanson, B. K. (1991). Potential for Insecticidal Management of Flea Beetle (Coleoptera: Chrysomelidae) on Canola. *J.Econ.Entomol.* 84: 1597-1603.
- EcoReference No.: 89123
 Chemical of Concern: EFV,PMR,ES,CBL,MLN; Habitat: T; Effect Codes: MOR,GRO,POP; Rejection Code: LITE EVAL CODED(EFV,PMR),OK(ES,CBL,MLN).
240. Werner, R. A. and Hilgert, J. W. (1992). Effects of Permethrin on Aquatic Organisms in a Freshwater Stream in South-Central Alaska. *J.Econ.Entomol.* 85: 860-864.
- EcoReference No.: 7354
 Chemical of Concern: PMR; Habitat: A; Effect Codes: ACC,MOR,POP; Rejection Code: LITE EVAL CODED(PMR).
241. West, R. J. (1991). Notes on the Biology and Control of the Black Army Cutworm, *Actebia fennica*

(Lepidoptera: Noctuidae), in Black Spruce Plantations. *Proc.Entomol.Soc.Ont.* 122: 53-63.

EcoReference No.: 100247

Chemical of Concern: PMR; Habitat: T; Effect Codes: GRO,POP; Rejection Code: LITE EVAL CODED(PMR).

242. Westlake, G. E., Hardy, A. R., and Stevenson, J. H. (1985). Effects of Storage and Pesticide Treatments on Honey Bee Brain Acetyl Cholinesterase Activities. *Bull.EnvIRON.Contam.Toxicol.* 34: 668-675.

EcoReference No.: 35515

Chemical of Concern: CYP,PMR,DM,PHSL,AZ,CBL,DMT; Habitat: T; Effect Codes: BCM; Rejection Code: LITE EVAL CODED(PMR,DMT,CYP,CBL).

243. Whalen, J. and Spellman, M. (1991). Control of Lepidopterous Larvae on Fall Cabbage 1990. *Insectic.Acaric.Tests* 16 : 65.

EcoReference No.: 82477

Chemical of Concern: DKGNa,PMR; Habitat: T; Effect Codes: POP; Rejection Code: LITE EVAL CODED(DKGNa,PMR).

244. Whalen, J. and Spellman, M. (1993). Control of Lepidopterous Larvae on Spring Cabbage 1992. *Insectic.Acaric.Tests* 18: 115-116.

EcoReference No.: 82234

Chemical of Concern: DKGNa,CYH,MFZ,PMR,TDC; Habitat: T; Effect Codes: POP; Rejection Code: LITE EVAL CODED(TDC,DKGNa,MFZ,CYH,PMR).

245. Wheelock, C. E., Miller, J. L., Miller, M. J., Phillips, B. M., Huntley, S. A., Gee, S. J., Tjeerdema, R. S., and Hammock, B. D. (2006). Use of Carboxylesterase Activity to Remove Pyrethroid-Associated Toxicity to *Ceriodaphnia dubia* and *Hyalella azteca* in Toxicity Identification Evaluations. *Environ.Toxicol.Chem.* 25: 973-984.

EcoReference No.: 99604

Chemical of Concern: PMR,BFT,CPYO; Habitat: A; Effect Codes: MOR; Rejection Code: LITE EVAL CODED(PMR),OK(BFT),NO CONTROL(CPYO).

246. Winters, S. and Cartwright, B. (1992). Cabbage Looper and Diamondback Moth Control on Cabbage Spring, 1991. *Insectic.Acaric.Tests* 17: 91-92.

EcoReference No.: 82238

Chemical of Concern: PMR,DKGNa; Habitat: T; Effect Codes: POP; Rejection Code: LITE EVAL CODED(DKGNa,PMR).

247. Wirth, M. C. and Georghiou, G. P. (1999). Selection and Characterization of Temephos Resistance in a Population of *Aedes aegypti* from Tortola, British Virgin Islands. *J.Am.Mosq.Control Assoc.* 15: 315-320.

EcoReference No.: 61087

Chemical of Concern: TMP,FNTH,MLN,CPY,EPRN,PMR,PPX,PPB; Habitat: A; Effect Codes: MOR; Rejection Code: LITE EVAL CODED(TMP,FNTH,MLN,CPY,EPRN,PMR,PPX,PPB).

248. Wolansky, M. J., Gennings, C., and Crofton, K. M. (2006). Relative Potencies for Acute Effects of Pyrethroids on Motor Function in Rats. *Toxicol.Sci.* 89: 271-277.

EcoReference No.: 83149

- Chemical of Concern: RSM,SBA,DM,CYP,BCY,EFV,CYH,FPP,PMR,BFT,TFT; Habitat: T; Effect Codes: BEH,PHY; Rejection Code: LITE EVAL CODED(EFV,PMR),OK(RSM,CYP,BFT).
249. Yameogo, L., Tapsoba, J. M., and Calamari, D. (1991). Laboratory Toxicity of Potential Blackfly Larvicides on Some African Fish Species in the Onchocerciasis Control Programme Area. *Ecotoxicol.Environ.Saf.* 21: 248-256.
- EcoReference No.: 3042
Chemical of Concern: PMR,CHT; Habitat: A; Effect Codes: MOR; Rejection Code: LITE EVAL CODED(PMR),OK(CHT).
250. Yameogo, L., Traore, K., Back, C., Hougard, J. M., and Calamari, D. (2001). Risk Assessment of Etofenprox (Vectron) on Non-Target Aquatic Fauna Compared with Other Pesticides Used as Simulium Larvicide in a Tropical Environment. *Chemosphere* 42: 965-974.
- EcoReference No.: 60220
Chemical of Concern: EFX,PMR; Habitat: A; Effect Codes: MOR; Rejection Code: LITE EVAL CODED(EFX,PMR).
251. Yang, W., Spurlock, F., Liu, W., and Gan, J. (2006). Effects of Dissolved Organic Matter on Permethrin Bioavailability to Daphnia Species. *J.Agric.Food Chem.* 54: 3967-3972.
- EcoReference No.: 99603
Chemical of Concern: PMR; Habitat: A; Effect Codes: MOR; Rejection Code: LITE EVAL CODED(PMR).
252. Yang, W. C., Hunter, W., Spurlock, F., and Gan, J. (2007). Bioavailability of Permethrin and Cyfluthrin in Surface Waters with Low Levels of Dissolved Organic Matter. *J.Environ.Qual.* 36: 1678-1685.
- EcoReference No.: 99602
Chemical of Concern: PMR,CYF; Habitat: A; Effect Codes: ACC,MOR; Rejection Code: LITE EVAL CODED(PMR),OK(CYF).
253. Yasmeen, N. and Nayeemunnisa (1992). Insecticide Induced Disruptions in Functioning of Developing Brain of Rana cyanophlictis. *Indian J.Exp.Biol.* 30: 701-704.
- EcoReference No.: 100130
Chemical of Concern: PMR; Habitat: A; Effect Codes: BCM; Rejection Code: LITE EVAL CODED(PMR).
254. Yasuno, M., Hanazato, T., Iwakuma, T., Takamura, K., Ueno, R., and Takamura, N. (1988). Effects of Permethrin on Phytoplankton and Zooplankton in an Enclosure Ecosystem in a Pond. *Hydrobiologia* 159: 247-258.
- EcoReference No.: 99607
Chemical of Concern: PMR; Habitat: A; Effect Codes: PHY,POP,BCM; Rejection Code: LITE EVAL CODED(PMR).
255. Yasuno, M., Hanazato, T., Iwakuma, T., Takamura, K., Ueno, R., and Takamura, N. (1988). Effects of Permethrin on Phytoplankton and Zooplankton in an Enclosure Ecosystem in a Pond. *Hydrobiologia* 159:247-258 / *Int.Assoc.Theor.Appl.Limnol.Proc./Int.Ver.Theor.Angew.Limnol.Verh.* 23: 770 (ABS).
- EcoReference No.: 12918
Chemical of Concern: PMR; Habitat: A; Effect Codes: BCM,MOR,PHY,POP,SYS; Rejection Code: LITE EVAL CODED(PMR).

256. Zeichner, B. C. and Perich, M. J. (1999). Laboratory Testing of a Lethal Ovitrap for *Aedes aegypti*. *Med.Vet.Entomol.* 13: 234-238.
- EcoReference No.: 100274
 Chemical of Concern: CYF,CYP,DM,PMR,BDC; Habitat: A; Effect Codes: MOR; Rejection Code: LITE EVAL CODED(PMR),OK(CYF,CYP).
257. Zhang, L., Shono, T., Yamanaka, S., and Tanabe, H. (1994). Effects of Insecticides on the Entomopathogenic Nematode *Steinernema carpocapsae* Weiser. *Appl.Entomol.Zool.* 29: 539-547.
- EcoReference No.: 84164
 Chemical of Concern: TMP,FNT,DDVP,CPY,ACP,DZ,FNTH,MLN,TCF,PTP,PPF,IMC,FNV,SPS,MOM,OML,PPX,EFX,PMR; Habitat: A; Effect Codes: MOR; Rejection Code: LITE EVAL CODED(EFX,CPY,FNV,PMR,ACP,DZ,MLN,MOM),OK(TMP,IMC,PPF,OML).
258. Zhang, S. Y., Ito, Y., Yamanoshita, O., Yanagiba, Y., Kobayashi, M., Taya, K., Li, C., Okamura, A., Miyata, M., Ueyama, J., Lee, C. H., Kamijima, M., and Nakajima, T. (2007). Permethrin May Disrupt Testosterone Biosynthesis via Mitochondrial Membrane Damage of Leydig Cells in Adult Male Mouse. *Endocrinology* 148: 3941-3949.
- EcoReference No.: 99535
 Chemical of Concern: CPMR; Habitat: T; Effect Codes: CEL,REP,BCM,GRO,ACC; Rejection Code: LITE EVAL CODED(CPMR).
259. Zou, E. and Bonvillain, R. (2004). Chitinase Activity in the Epidermis of the Fiddler Crab, *Uca pugilator*, as an In Vivo Screen for Molt-Interfering Xenobiotics. *Comp.Biochem.Physiol.C* 139: 225-230.
- EcoReference No.: 81669
 Chemical of Concern: DDT,MTPN,DLD,PMR,TBT,ATZ; Habitat: A; Effect Codes: BCM,MOR; Rejection Code: LITE EVAL CODED(MTPN,ATZ,PMR).

Acceptable for ECOTOX but not OPP

1. Abbassy, M. A., El-Gougary, O. A., El-Hamady, S., and Sholo, M. A. (1998). Insecticidal, Acaricidal and Synergistic Effects of Soosan, *Pancreatium maritimum* Extracts and Constituents. *J.Egypt.Soc.Parasitol.* 28: 197-205.

EcoReference No.: 99671
 Chemical of Concern: CPYM,PMR; Habitat: AT; Effect Codes: MOR; Rejection Code: NO CONTROL(CPYM,PMR).

2. Abel, P. D. and Garner, S. M. (1986). Comparisons of Median Survival Times and Median Lethal Exposure Times for *Gammarus pulex* Exposed to Cadmium, Permethrin and Cyanide. *Water Res.* 20: 579-582.

EcoReference No.: 7616
 Chemical of Concern: PMR,CN,Cd; Habitat: A; Effect Codes: MOR,PHY; Rejection Code: NO CONTROL(PMR).

3. Abou-Donia, M. B. (2001). Toxic Interactions of Prophylactic Drugs and Pesticides. *Annual 2001 Report, Duke Univ.Medical Center, Durham, NC* 221 p. (U.S.NTIS ADA396374).

EcoReference No.: 99793
 Chemical of Concern: PMR; Habitat: T; Effect Codes: ACC,BCM,PHY; Rejection Code: NO ENDPOINT(PMR).

4. Abram, F. S. H., Evins, C., and Hobson, J. A. (1980). Permethrin for the Control of Animals in Water Mains. *Tech.Rep.No.TR145, Water Res.Ctr., UK* 29 p.

EcoReference No.: 19258
Chemical of Concern: PMR; Habitat: A; Effect Codes: MOR,PHY; Rejection Code: NO CONTROL(PMR).
5. Abu-Qare, A. W. and Abou-Donia, M. B. (2001). High Performance Liquid Chromatographic Determination of Diazinon, Permethrin, DEET (N, N-Diethyl-M-Toluamide), and Their Metabolites in Rat Plasma and Urine. *Fresenius J.Anal.Chem.* 370: 403-407.

EcoReference No.: 100128
Chemical of Concern: DTM,PMR,DZ; Habitat: T; Effect Codes: ACC; Rejection Code: NO ENDPOINT(PMR,DZ).
6. Abu-Qare, A. W. and Abou-Donia, M. B. (2001). Simultaneous Determination of Chlorpyrifos, Permethrin, and Their Metabolites in Rat Plasma and Urine by High-Performance Liquid Chromatography. *J.Anal.Toxicol.* 25: 275-279.

EcoReference No.: 91556
Chemical of Concern: CPY,PMR; Habitat: T; Effect Codes: ACC; Rejection Code: NO COC(SMT),NO ENDPOINT(CPY,PMR).
7. Abu-Qare, A. W. and Abou-Donia, M. B. (2000). Simultaneous Determination of Pyridostigmine Bromide, N,N-diethyl-m-toluamide, Permethrin, and Their Metabolites in Rat Plasma and Urine by High-Performance Liquid Chromatography. *J.Chromatogr.B* 749: 171-178.

EcoReference No.: 91485
Chemical of Concern: PMR,DEET; Habitat: T; Effect Codes: ACC; Rejection Code: NO COC(SMT),NO ENDPOINT(PMR).
8. Abu-Qare, A. W. and Abou-Donia, M. B. (2001). A Solid Phase Extraction Reversed-Phase HPLC Method for the Simultaneous Determination of Methoprene, Permethrin and Selected Metabolites in Rat Plasma and Urine. *Biomed.Chromatogr.* 15: 464-470.

EcoReference No.: 91453
Chemical of Concern: MTPN,PMR; Habitat: T; Effect Codes: ACC; Rejection Code: NO COC(SMT),NO ENDPOINT(MTPN,PMR).
9. Adams, A. J. and Palmer, A. (1989). Air-Assisted Electrostatic Application of Permethrin to Glasshouse Tomatoes: Droplet Distribution and Its Effect upon Whiteflies (*Trialeurodes vaporariorum*) in the Presence of *Encarsia formosa*. *Crop Prot.* 8: 40-48.

EcoReference No.: 99794
Chemical of Concern: PMR; Habitat: T; Effect Codes: POP; Rejection Code: NO ENDPOINT(PMR).
10. Adams, N. H., Levi, P. E., and Hodgson, E. (1993). Differences in Induction of Three P450 Isozymes by Piperonyl Butoxide, Sesamex, Safrole, and Isosafrole. *Pestic.Biochem.Physiol.* 46: 15-26.

EcoReference No.: 74902
Chemical of Concern: PPB; Habitat: T; Effect Codes: CEL,BCM; Rejection Code: LITE EVAL CODED(PPB),NO COC(PMR).
11. Adams, N. H., Levi, P. E., and Hodgson, E. (1993). Regulation of Cytochrome P-450 Isozymes by Methylenedioxyphenyl Compounds. *Chem.-Biol.Interact.* 86: 255-274.

- EcoReference No.: 74903
 Chemical of Concern: PPB; Habitat: T; Effect Codes: CEL,BCM; Rejection Code: LITE EVAL CODED(PPB),NO COC(PMR).
12. Ahammad-Sahib, K. I., Hollingworth, R. M., Whalon, M. E., Ioannidis, P. M., and Grafius, E. J. (1994). Polysubstrate Monooxygenases and Other Xenobiotic-Metabolizing Enzymes in Susceptible and Resistant Colorado Potato Beetle. *Pestic.Biochem.Physiol.* 49: 1-12.
- EcoReference No.: 74890
 Chemical of Concern: PPB,AZ,AND; Habitat: T; Effect Codes: MOR,CEL; Rejection Code: LITE EVAL CODED(PPB),TARGET(AZ),NO COC(PMR).
13. Ahmad, M. (1990). The Effect of PB and DEF Synergists on the Toxicities of Endosulfan, Diazinon and Monocrotophos in *Heliothis armigera*. *J.Plant Prot.Trop.* 7: 117-121.
- EcoReference No.: 88489
 Chemical of Concern: ES,DZ,PPB; Habitat: T; Effect Codes: MOR; Rejection Code: TARGET(ES,DZ),NO COC(PMR).
14. Ahmad, M. and Hollingworth, R. M. (2004). Synergism of Insecticides Provides Evidence of Metabolic Mechanisms of Resistance in the Obliquebanded Leafroller *Choristoneura rosaceana* (Lepidoptera: Tortricidae). *Pest Manag.Sci.* 60: 465-473.
- Chemical of Concern: PPB,TBF,IDC,CYP,CPY,AZ,CFP; Habitat: T; Rejection Code: TARGET(CYP),NO COC(PMR).
15. Ahmad, M. and McCaffery, A. R. (1991). Elucidation of Detoxication Mechanisms Involved in Resistance to Insecticides in the Third Instar Larvae of a Field-Selected Strain of *Helicoverpa armigera* with the Use of Synergists. *Pestic.Biochem.Physiol.* 41: 41-52.
- EcoReference No.: 74894
 Chemical of Concern: PPB,CYP,FNV,DDT,CBL,TBF; Habitat: T; Effect Codes: MOR; Rejection Code: NO MIXTURE(PPB),TARGET(CYP,CBL,FNV),NO COC(PMR).
16. Allan, I. J., House, W. A., Parker, A., and Carter, J. E. (2005). Diffusion of the Synthetic Pyrethroid Permethrin into Bed-Sediments. *Environ.Sci.Technol.* 39: 523-530.
- EcoReference No.: 99585
 Chemical of Concern: PMR; Habitat: A; Effect Codes: POP,BCM,ACC; Rejection Code: NO ENDPOINT,NO CONTROL(PMR).
17. Allen, J. G. (1979). Some Patterns of Distribution of Systemic Pesticides in Small Trees and Hops. *In: H.Geissbuehler (Ed.), Advances in Pesticide Science, Pergamon Press, Oxford, England* 3: 443-447.
- EcoReference No.: 99744
 Chemical of Concern: OXD,PMR,OMT,DMT; Habitat: T; Effect Codes: GRO,ACC; Rejection Code: NO CONTROL(OXD,PMR,DMT,MIXTURE-OMT).
18. Alzogaray, R. A. and Zerba, E. N. (2001). Third Instar Nymphs of *Rhodnius prolixus* Exposed to alpha-Cyanopyrethroids: From Hyperactivity to Death. *Arch.Insect Biochem.Physiol.* 46: 119-126.
- Chemical of Concern: PPB,PYT,CYP; Habitat: T; Rejection Code: TARGET(CYP),NO COC(PMR).
19. Amalraj, D. D. and Das, P. K. (1996). Toxicity of Insecticides to *Toxorhynchites splendens* and Three Vector Mosquitos and Their Sublethal Effect on Biocontrol Potential of the Predator. *Southeast Asian*

- J.Trop.Med.Public Health* 27: 154-159.
- EcoReference No.: 59254
 Chemical of Concern: FNT,FNTH,TMP,MLN,DM,PPX,PMR; Habitat: A; Effect Codes: MOR,GRO,BEH; Rejection Code: LITE EVAL CODED(MLN),OK(TMP),NO CONTROL(PMR).
20. Amweg, E. L., Weston, D. P., Johnson, C. S., You, J., and Lydy, M. J. (2006). Effect of Piperonyl Butoxide on Permethrin Toxicity in the Amphipod *Hyalella azteca*. *Environ.Toxicol.Chem.* 25: 1817-1825.
- EcoReference No.: 90031
 Chemical of Concern: PPB,PMR,PYT,PYN; Habitat: A; Effect Codes: MOR; Rejection Code: NO ENDPOINT(ALL CHEMS).
21. Anadon, A., Martinez-Larranaga, M. R., Diaz, M. J., and Bringas, P. (1991). Toxicokinetics of Permethrin in the Rat. *Toxicol.Appl.Pharmacol.* 110: 1-8.
- EcoReference No.: 91554
 Chemical of Concern: PMR; Habitat: T; Effect Codes: ACC; Rejection Code: NO COC(SMT),NO ENDPOINT(PMR).
22. Andersen, P. C., Mizell, R. F., French, W. J., and Aldrich, J. H. (1986). Effect of Multiple Applications of Pesticides on Leaf Gas Exchange of Peach. *Hortscience* 21: 508-510.
- EcoReference No.: 74370
 Chemical of Concern: PMR,MOM,PRN,DCF,BMY,Captan,CTN,CBL; Habitat: T; Effect Codes: PHY,BCM; Rejection Code: NO ENDPOINT(ALL CHEMS).
23. Anderson, R. L. (1982). Toxicity of Fenvalerate and Permethrin to Several Nontarget Aquatic Invertebrates. *Environ.Entomol.* 11: 1251-1257.
- EcoReference No.: 15180
 Chemical of Concern: PMR,FNV; Habitat: A; Effect Codes: ACC,CEL,PHY,MOR; Rejection Code: NO CONTROL(FNV,PMR).
24. Ando, T., Koseki, N., Yasuhara, I., Kasuga, K., Matsuo, N., and Ishiwatari, T. (1994). Insecticidal Activity of New Fluorinated Pyrethroids and Their Stability Toward Chemical Oxidation and Photoreaction. *Pestic.Sci.* 40: 307-312 .
- Chemical of Concern: PPB,PYT; Habitat: T; Rejection Code: NO COC(PMR).
25. Arthur, F. H. (1994). Cyfluthrin Applied with and Without Piperonyl Butoxide and Piperonyl Butoxide Plus Chlorpyrifos-Methyl for Protection of Stored Wheat. *J.Econ.Entomol.* 87: 1707-1713.
- Chemical of Concern: PPB,CYF,CPYM; Habitat: T; Rejection Code: TARGET(CYF,CPYM),NO COC(PMR).
26. Arthur, F. H. and Gillenwater, H. B. (1990). Evaluation of Esfenvalerate Aerosol for Control of Stored Product Insect Pests. *J.Entomol.Sci.* 25: 261-267.
- Chemical of Concern: PPB,EFV; Habitat: T; Rejection Code: TARGET(EFV),NO COC(PMR).
27. Awasthi, M. D. (1986). Chemical Treatments for the Decontamination of Brinjal Fruit from Residues of Synthetic Pyrethroids. *Pestic Sci.* 17: 89-92.
- EcoReference No.: 99741
 Chemical of Concern: DM,CYP,PMR,FNV; Habitat: T; Effect Codes: ACC; Rejection Code: NO

ENDPOINT(CYP,PMR,FNV).

28. Bacey, J., Spurlock, F., Starnes, K., Feng, H., Hsu, J., White, J., and Tran, D. M. (2005). Residues and Toxicity of Esfenvalerate and Permethrin in Water and Sediment, in Tributaries of the Sacramento and San Joaquin Rivers, California, USA. *Bull.Environ.Contam.Toxicol.* 74: 864-871.

EcoReference No.: 92740

Chemical of Concern: SZ,HXZ,BMC,ATZ,TBF,PRT,DDVP,DZ,CPY,PMR,EFV,DMT,MP; Habitat: A; Effect Codes: MOR; Rejection Code: NO CONC,NO ENDPOINT(SZ,PRT,DZ,CPY,PMR,TBF,EFV,DMT,MP).

29. Bagwell, R. D. and Plapp, F. W. Jr. (1992). Synergism of Insecticides Against Susceptible and Pyrethroid-Resistant Tobacco Budworms (Lepidoptera: Noctuidae) by Amitraz. *J.Econ.Entomol.* 85: 658-663.

Chemical of Concern: PPB,PYT,CYP; Habitat: T; Rejection Code: TARGET(CYP),NO COC(PMR).

30. Baliga, R., Zhang, Z., Baliga, M., Ueda, N., and Shah, S. V. (1998). Role of Cytochrome P-450 as a Source of Catalytic Iron in Cisplatin-Induced Nephrotoxicity. *Kidney Int.* 54: 1562-1569.

EcoReference No.: 75597

Chemical of Concern: PPB,Fe; Habitat: T; Effect Codes: BCM,CEL; Rejection Code: NO MIXTURE(PPB),NO COC(PMR).

31. Bandyopadhyay, R. (1982). Inhibition of Acetylcholine Esterase by Permethrin & Its Reversion by Acetylthiocholine. *Indian J.Exp.Biol.* 20: 488-491.

EcoReference No.: 100295

Chemical of Concern: PMR; Habitat: T; Effect Codes: BCM; Rejection Code: NO ENDPOINT(PMR).

32. Barakat, A. A., Khan, P., and Karim, A. M. A. (1987). Residual Behavior of the Insecticide Permethrin in Tomatoes, Soil and Different pH Emulsions. *Pak.J.Sci.Ind.Res.* 30: 922-924.

EcoReference No.: 99839

Chemical of Concern: PMR; Habitat: T; Effect Codes: ACC; Rejection Code: NO ENDPOINT(PMR).

33. Barnard, A. J., McEwen, J., Hornby, D., and Beane, J. (1989). Effects of Aldicarb, Benomyl, Dazomet, Permethrin, Pirimicarb, Phorate and Nitrogen Fertilizer on Maize (*Zea mays*) Grown for 14 Consecutive Years on the Same Site. *J.Agric.Sci.* 112: 339-349.

EcoReference No.: 74723

Chemical of Concern: ADC,BMY,DZM,PMR,PRT,PIM; Habitat: T; Effect Codes: POP,GRO; Rejection Code: NO ENDPOINT(ALL CHEMS).

34. Bartlett, G. R. and Keil, C. B. O. (1997). Identification and Characterization of a Permethrin Resistance Mechanism in Populations of the Fungus Gnat *Lycoriella mali* (Fitch) (Diptera: Sciaridae). *Pestic.Biochem.Physiol.* 58: 173-181 .

EcoReference No.: 99588

Chemical of Concern: PMR; Habitat: T; Effect Codes: MOR,BCM; Rejection Code: NO CONTROL(PMR).

35. Beard, C. B., Kloter, K. O., Carroll, M. K., Magnuson, L. J., and Trapido, H. (1985). Response of Domestic and Peridomestic Strains of *Aedes aegypti* (Diptera: Culicidae) in New Orleans, Louisiana, USA, to Organophosphate, Organochlorine, and Pyrethroid Insecticides. *J.Med.Entomol.* 22: 276-280.

- EcoReference No.: 11837
 Chemical of Concern: DDT,MLN,RSM,PMR; Habitat: A; Effect Codes: MOR; Rejection Code: NO CONTROL(PMR,MLN),OK(DDT,RSM).
36. Beers, K. W., Nicoll, D. W., Anestis, D. K., Brown, P. I., and Rankin, G. O. (1993). Effect of Microsomal Enzyme Modulators on N-(3,5-Dichlorophenyl)-2-Hydroxysuccinimide (NDHS)-Induced Nephrotoxicity in the Fischer 344 Rat. *Toxicology* 84: 141-155.
- EcoReference No.: 75139
 Chemical of Concern: PPB,Co; Habitat: T; Effect Codes: PHY,BCM; Rejection Code: NO MIXTURE(PPB,Co),NO COC(PMR).
37. Bhatnagar, P., Kumar, S., and Lal, R. (1988). Uptake and Bioconcentration of Dieldrin, Dimethoate, and Permethrin by Tetrahymena pyriformis. *Water Air Soil Pollut.* 40: 345-349.
- EcoReference No.: 4707
 Chemical of Concern: DMT,PMR,DLD; Habitat: A; Effect Codes: ACC; Rejection Code: NO CONTROL(DMT,PMR,DLD).
38. Black, B. C., Hollingworth, R. M., Ahammadsahib, K. I., Kukel, C. D., and Donovan, S. (1994). Insecticidal Action and Mitochondrial Uncoupling Activity of AC-303,630 and Related Halogenated Pyrroles. *Pestic.Biochem.Physiol.* 50: 115-128 .
- EcoReference No.: 74833
 Chemical of Concern: PPB; Habitat: T; Effect Codes: MOR,PHY; Rejection Code: LITE EVAL CODED(PPB),NO COC(PMR).
39. Blankenship, A. L., Hilscherova, K., Nie, M., Coady, K. K., Villalobos, S. A., Kannan, K., Powell, D. C., Bursian, S. J., and Giesy, J. P. (2003). Mechanisms of TCDD-Induced Abnormalities and Embryo Lethality in White Leghorn Chickens. *Comp.Biochem.Physiol.C* 136: 47-62.
- EcoReference No.: 74866
 Chemical of Concern: PPB,TCDD,DXN; Habitat: T; Effect Codes: GRO,BCM,PHY,CEL,ACC; Rejection Code: LITE EVAL CODED(PPB),NO COC(PMR).
40. Bloomquist, J. R., Jackson, J. L., Karr, L. L., Ferguson, H. J., and Gajewski, R. P. (1993). Spirosultam LY219048: A New Chemical Class of Insecticide Acting upon the GABA Receptor/Chloride Ionophore Complex. *Pestic.Sci.* 39: 185-192 .
- Chemical of Concern: PPB; Habitat: T; Rejection Code: NO COC(PMR).
41. Blow, D. P. (1978). Laboratory Evaluation of Permethrin Against Cockroaches and the Rust-Red Flour Beetle. *Int.Biodeterior.Bull.* 14: 71-76.
- EcoReference No.: 35048
 Chemical of Concern: PMR,DZ,FNT,PPX; Habitat: T; Effect Codes: MOR,BEH; Rejection Code: NO CONTROL(DZ,FNT,PPX),NO ENDPOINT,NO CONTROL(PMR).
42. Borthwick, P. W. and Walsh, G. E. (1981). Initial Toxicological Assessment of Ambush, Bolero, Bux, Dursban, Fentrifanil, Larvin, and Pydrin: Static Acute Toxicity Tests with Selected Estuarine. *EPA 600/4-81-076, U.S.EPA, Gulf Breeze, FL* 9 p.
- EcoReference No.: 3644
 Chemical of Concern: CPY,TBC,TDC,PMR,FNV; Habitat: A; Effect Codes: MOR,GRO,POP; Rejection Code: NO CONTROL(CPY,TBC,TDC,PMR).

43. Bottger, A. (1988). Belastung der Anwohner von Chemisch-Reinigungsanlagen durch Tetrachlorethylen. *Vortrag 30* (OECDG Data File).
- EcoReference No.: 5876
 Chemical of Concern: PMR,PCP; Habitat: A; Effect Codes: BEH,MOR; Rejection Code: NO CONTROL(PMR),NO FOREIGN.
44. Braun, H. E., Surgeoner, G. A., Stanek, J., and Ralley, W. E. (1981). Efficacy and Dissipation of Permethrin for the Control of the Northern Fowl Mite in Hens. *Can.Vet.J.* 22: 291-294.
- EcoReference No.: 99587
 Chemical of Concern: PMR,MLN,CBL,CMPh; Habitat: T; Effect Codes: POP,ACC; Rejection Code: NO ENDPOINT(PMR,MLN,CBL).
45. Brealey, C. J., Crampton, P. L., Chadwick, P. R., and Rickett, F. E. (1984). Resistance Mechanisms to DDT and Transpermethrin in *Aedes aegypti*. *Pestic.Sci.* 15: 121-132.
- EcoReference No.: 99902
 Chemical of Concern: PTPMR,DDT; Habitat: T; Effect Codes: MOR,ACC; Rejection Code: NO CONTROL(PTPMR).
46. Brempong-Yeboah, C. Y., Saito, T., Miyata, T., and Tsubaki, Y. (1982). Topical Toxicity of Some Pyrethroids. *J.Pestic.Sci.* 7: 47-51.
- EcoReference No.: 72072
 Chemical of Concern: CPY,PYN,HCCH,PMR,PTR,CHT,FPP,FNV,FNT; Habitat: T; Effect Codes: MOR,PHY; Rejection Code: NO CONTROL(ALL CHEMS).
47. Brown, J. R., Mickle, R. E., Yates, M., and Zhai, J. (2003). Optimizing an Aerial Spray for Mosquito Control. *J.Am.Mosq.Control Assoc.* 19: 243-250.
- Chemical of Concern: PPB; Habitat: T; Rejection Code: NO COC(PMR).
48. Buchholz, B. A., Pawley, N. H., Vogel, J. S., and Mauthe, R. J. (1977). Pyrethroid Decrease in Central Nervous System from Nerve Agent Pretreatment. *J.Appl.Toxicol.* 17: 231-234.
- EcoReference No.: 99910
 Chemical of Concern: PMR; Habitat: T; Effect Codes: ACC; Rejection Code: NO ENDPOINT(PMR).
49. Buck, N. A., Estes, B. J., and Ware, G. W. (1980). Dislodgable Insecticide Residues on Cotton Foliage: Fenvalerate, Permethrin, Sulprofos, Chlorpyrifos, Methyl Parathion, EPN, Oxamyl, and Profenofos. *Bull.EnvIRON.Contam.Toxicol.* 24: 283-288.
- EcoReference No.: 99804
 Chemical of Concern: FNV,PMR,CPY,MP,OML,PPF; Habitat: T; Effect Codes: ACC; Rejection Code: NO ENDPOINT(FNV,PMR,CPY,MP,OML,PPF).
50. Bull, D. L. and Pryor, N. W. (1990). In Vivo and In Vitro Fate of Fenvalerate in House Flies. *Pestic.Biochem.Physiol.* 38: 140-152.
- EcoReference No.: 74891
 Chemical of Concern: PPB,FNV,TBF; Habitat: T; Effect Codes: PHY,MOR; Rejection Code: NO MIXTURE(PPB),TARGET(FNV),NO COC(PMR).
51. Burke, A. B., Millburn, P., and Huckle, K. R. (1988). The Metabolism of 3-Phenoxybenzoic Acid and of

Benzoic Acid in Fish. *Biochem.Soc.Trans.* 16: 24-25.

EcoReference No.: 91871

Chemical of Concern: PBA; Habitat: A; Effect Codes: ACC; Rejection Code: NO CONTROL,NO ENDPOINT(PBA).

52. Burrell, R. E., Stratton, G. W., and Corke, C. T. (1980). Interactions of Pesticides and Solvents in Microbial Sensitivity Tests. In: *J.F.Kalverkamp, S.L.Leonard, and K.E.Marshall (Eds.), Proc.6th Annual Aquatic Toxicity Workshop, Nov.6-7, 1979, Winnipeg, Manitoba, Can.Tech.Rep.Fish.Aquat.Sci.No.975* 123-130.

EcoReference No.: 13882

Chemical of Concern: BMY,Captan,PMR; Habitat: T; Effect Codes: POP; Rejection Code: NO ENDPOINT(Captan),OK(PMR).

53. Burrige, M. J., Peter, T. F., Allan, S. A., and Mahan, S. M. (2002). Evaluation of Safety and Efficacy of Acaricides for Control of the African Tortoise Tick (*Amblyomma marmoreum*) on Leopard Tortoises (*Geochelone pardalis*). *J.Zoo Wildl.Med.* 33: 52-57.

EcoReference No.: 71543

Chemical of Concern: AMZ,CBL,CPY,CYF,FPN,HCCH,PMR,PTR; Habitat: T; Effect Codes: MOR,BEH; Rejection Code: LITE EVAL CODED(CPY),TARGET(CYF),OK(AMZ,CBL,FPN,HCCH,PTR),NO ENDPOINT(PMR).

54. Bynum, E. D. Jr. and Archer, T. L. (2002). Susceptibility of Populations of Banks Grass Mites (Acari: Tetranychidae) Suspected of Developing Bifenthrin Resistance from Three Maize Fields. *Exp.Appl.Acarol.* 27: 303-312.

Chemical of Concern: PPB,DMT,BFT,TBF,AMZ; Habitat: T; Rejection Code: TARGET(DMT,BFT),NO COC(PMR).

55. Campos, F., Krupa, D. A., and Dybas, R. A. (1996). Susceptibility of Populations of Twospotted Spider Mites (Acari: Tetranychidae) from Florida, Holland, and the Canary Islands to Abamectin and Characterization of Abamectin Resistance. *J.Econ.Entomol.* 89: 594-601.

Chemical of Concern: PPB,TBF,ABM; Habitat: T; Rejection Code: NO COC(PMR).

56. Cavaliere, M. J., Maeda, M. Y. S., Shih, L. W. S., and Puga, F. R. (1990). Changes in Myelinated Nerve Fibers and Skeletal Muscle of Rats Exposed to High Doses of Permethrin. *Biomed.Enviroin.Sci.* 3: 139-145.

EcoReference No.: 99841

Chemical of Concern: PMR; Habitat: T; Effect Codes: BEH,CEL; Rejection Code: NO ENDPOINT(PMR).

57. Chadwick, P. R., Slatter, R., and Bowron, M. J. (1984). Cross-Resistance to Pyrethroids and Other Insecticides in *Aedes aegypti*. *Pestic.Sci.* 15: 112-120.

EcoReference No.: 11465

Chemical of Concern: DLD,BRSM,PYN,MLN,PMR,PPX,DDT; Habitat: A; Effect Codes: MOR; Rejection Code: NO CONTROL(ALL CHEMS).

58. Chalmers, A. E. and Osborne, M. P. (1986). The Crayfish Stretch Receptor Organ: A Useful Model System for Investigating the Effects of Neuroactive Substances. I. The Effect of DDT and Pyrethroids. *Pestic.Biochem.Physiol.* 26: 128-138.

EcoReference No.: 76908

Chemical of Concern: CYP,PMR,DM; Habitat: A; Effect Codes: CEL; Rejection Code: NO ENDPOINT,CONTROL(ALL CHEMS).

59. Chambers, J. E. and Chambers, H. W. (1990). Time Course of Inhibition of Acetylcholinesterase and Aliesterases Following Parathion and Paraoxon Exposures in Rats. *Toxicol.Appl.Pharmacol.* 103: 420-429.

EcoReference No.: 74887

Chemical of Concern: PPB,PRN; Habitat: T; Effect Codes: BCM,CEL; Rejection Code: LITE EVAL CODED(PPB),NO COC(PMR).

60. Chapman, P. A. (1985). The Resistance to Eighteen Toxicants of a Strain of *Musca domestica* L. Collected from a Farm in England. *Pestic.Sci.* 16: 271-276 .

EcoReference No.: 70785

Chemical of Concern:

RSM,DDT,HCCH,DZ,MOM,DMT,PPB,DM,BRSM,PYN,FNT,TVP,PIRM,TCF,BDC,PMR,DDVP,PMR; Habitat: T; Effect Codes: MOR; Rejection Code: NO CONTROL(ALL CHEMS),NO MIXTURE(BRSM,RSM,PYNN,PPB),TARGET(DMT,TVP).

61. Cheikh, H. B., Ali-Haouas, Z. B., Marquine, M., and Pasteur, N. (1998). Resistance to Organophosphorus and Pyrethroid Insecticides in *Culex pipiens* (Diptera: Culicidae) from Tunisia. *J.Med.Entomol.* 35: 251-260.

EcoReference No.: 72631

Chemical of Concern: CPY,DDT,PMR,PPB,PPX,TBF; Habitat: A; Effect Codes: BCM,CEL,MOR; Rejection Code: NO CONTROL(CPY,PMR),NO MIXTURE(PPB,TBF).

62. Chiba, M. (1978). A Gas Chromatographic Determination of Permethrin Isomers on Peach Foliage. *J.Environ.Sci.Health Part B* 13: 261-268.

EcoReference No.: 99743

Chemical of Concern: PMR; Habitat: T; Effect Codes: ACC; Rejection Code: NO ENDPOINT(PMR).

63. Chiba, M., Kikuchi, T., Nagashima, Y., and Hashimoto, T. (1985). Compound Toxicity and Accumulation of Permethrin and Mercury in the Himehaka *Oryzias latipes*. *Bull.Jpn.Soc.Sci.Fish.* 51: 1341-1347.

EcoReference No.: 11197

Chemical of Concern: PMR,HgCl₂; Habitat: A; Effect Codes: ACC,MOR; Rejection Code: NO CONTROL(PMR).

64. Coats, J. R. (1980). A Stream Microcosm for Environmental Assessment of Pesticides. In: *J.P.Giesy,Jr.(Ed.), Microcosms in Ecological Research, DOE Symp.Ser.52, Tech.Inf.Center, U.S.Dep.Energy, Washington, D.C.* 715-723.

EcoReference No.: 12252

Chemical of Concern: PMR; Habitat: A; Effect Codes: ACC; Rejection Code: NO ENDPOINT,NO CONTROL(PMR).

65. Coats, J. R. and O'Donnell-Jeffery, N. L. (1979). Toxicity of Four Synthetic Pyrethroid Insecticides to Rainbow Trout. *Bull.Environ.Contam.Toxicol.* 23: 250-255.

EcoReference No.: 557

Chemical of Concern: CYP,FPP,PMR,TDZ,PYT; Habitat: A; Effect Codes: MOR; Rejection Code: NO CONTROL(CYP,FPP,PMR,TDZ,PYT).

66. Colbert, N. K. W., Pelletier, N. C., Cote, J. M., Concannon, J. B., Jurdak, N. A., Minott, S. B., and Markowski, V. P. (2005). Perinatal Exposure to Low Levels of the Environmental Antiandrogen Vinclozolin Alters Sex-Differentiated Social Play and Sexual Behaviors in the Rat. *Environ.Health Perspect.* 113: 700-707.

EcoReference No.: 100091

Chemical of Concern: VCZ; Habitat: T; Effect Codes: REP,GRO,PHY,BEH; Rejection Code: NO COC(PMR).

67. Cole, L. M. and Casida, J. E. (1983). Pyrethroid Toxicology in the Frog. *Pestic.Biochem.Physiol.* 20: 217-224.

EcoReference No.: 12018

Chemical of Concern: RSM,PYT,ATN,PMR,FNV,DM,CYP,FPP,EFV; Habitat: AT; Effect Codes: MOR,PHY; Rejection Code: NO CONTROL(ALL CHEMS).

68. Corbel, V., Stankiewicz, M., Bonnet, J., Grolleau, F., Hougard, J. M., and Lapied, B. (2006). Synergism Between Insecticides Permethrin and Propoxur Occurs Through Activation of Presynaptic Muscarinic Negative Feedback of Acetylcholine Release in the Insect Central Nervous System. *Neurotoxicology* 27: 508-519 .

EcoReference No.: 96055

Chemical of Concern: NCTN,PPB,PPX,PMR; Habitat: A; Effect Codes: MOR,PHY; Rejection Code: NO ENDPOINT(ALL CHEMS).

69. Coulon, D. P. (1982). Toxicity of Ambush and Pydrin to Red Crawfish, *Procambarus clarkii* (Girard) and Channel Catfish, *Ictalurus punctatus* Rafinesque in Laboratory and Field Studies and the Accumulation and Dissipation of Associated Residues. *Ph.D.Thesis, Louisiana State University, Baton Rouge, LA* 99 p.

EcoReference No.: 11018

Chemical of Concern: PMR; Habitat: A; Effect Codes: MOR; Rejection Code: NO CONTROL(PMR).

70. Crayford, J. V. and Hutson, D. H. (1980). Xenobiotic Triglyceride Formation. *Xenobiotica* 10: 349-354.

EcoReference No.: 91504

Chemical of Concern: PBA; Habitat: T; Effect Codes: ACC; Rejection Code: NO ENDPOINT(PBA).

71. Crystal, M. M. and DeMilo, A. B. (1988). Susceptibility of Laboratory-Reared Northern Fowl Mites, *Ornithonyssus sylviarum* (Acari: Macronyssidae), to Selected Acaricides. *Exp.Appl.Acarol.* 4: 353-358.

EcoReference No.: 70191

Chemical of Concern: PIRM,CMPH,ADC,PMR,RSM,CBL,DZ; Habitat: T; Effect Codes: MOR; Rejection Code: NO CONTROL(ALL CHEMS).

72. Daly, J. C. and Fisk, J. H. (1993). Expression of Pyrethroid Resistance in Adult *Helicoverpa armigera* (Lepidoptera: Noctuidae) and Selective Mortality in Field Populations. *Bull.Entomol.Res.* 83 : 23-28.

Chemical of Concern: PPB,PYT,FNV; Habitat: T; Rejection Code: NO COC(PMR).

73. DeBoo, R. F. (1980). Experimental Aerial Applications of Permethrin for Control of *Choristoneura fumiferana* in Quebec, 1976-1977. *Rep.No.FPM-X-41, Environment Canada, Forest Pest Manage.Inst., Sault Ste.Marie, Ontario, Canada* 24 p.

- EcoReference No.: 48601
 Chemical of Concern: PMR,FNT; Habitat: T; Effect Codes: POP,PHY,GRO; Rejection Code: NO
 ENDPOINT(ALL CHEMS).
74. Dela Cruz, C. R. and Circa, A. V. (1981). Toxicity of Kafil 10EC (Permethrin) and Cymbush 10EC (Cypermethrin) in Rice-Fish Culture. *In: Tech.Rep.No.19, Freshwater Aquacult.Cent., Cent.Luzon State Univ.* 35-47.
- EcoReference No.: 4652
 Chemical of Concern: CYP,PMR; Habitat: A; Effect Codes: MOR; Rejection Code: NO
 ENDPOINT(ALL CHEMS).
75. Denda, A., Sai, K., Tang, Q., Tsujiuchi, T., Tsutsumi, M., Amanuma, T., Murata, Y., Nakae, D., Maruyama, H., Kurokawa, Y., and Konishi, Y. (1991). Induction of 8-Hydroxydeoxyguanosine but not Initiation of Carcinogenesis by Redox Enzyme Modulations with or Without Menadione in Rat Liver. *Carcinogenesis* 12: 719-726.
- EcoReference No.: 83041
 Chemical of Concern: NFEDTA,ISO; Habitat: T; Effect Codes: BCM,PHY,GRO; Rejection Code: OK(ISO),NO MIXTURE(NFEDTA),NO COC(PMR).
76. Deng, Y. and Casida, J. E. (1992). House Fly Head GABA-Gated Chloride Channel: Toxicologically Relevant Binding Site for Avermectins Coupled to Site for Ethynylbicyclobenzoate. *Pestic.Biochem.Physiol.* 43: 116-122.
- EcoReference No.: 74910
 Chemical of Concern: PPB; Habitat: T; Effect Codes: MOR; Rejection Code: NO
 MIXTURE(PPB),NO COC(PMR).
77. Deo, P. G., Hasan, S. B., and Majumder, S. K. (1988). Toxicity and Suitability of Some Insecticides for Household Use. *Int.Pest Control* 30: 118-121,129.
- EcoReference No.: 35123
 Chemical of Concern:
 AND,BRSM,CHD,CBL,CYP,DDT,DCM,DEM,DZ,DDVP,DMT,EN,ES,FNT,FNV,HPT,HCCH,MLN
 ,MXC,PRN,MP,PMR,PYN; Habitat: T; Effect Codes: MOR; Rejection Code: LITE EVAL
 CODED(FNV),NO
 CONTROL(AND,BRSM,CHD,CBL,CYP,DDT,DCM,DEM,DZ,DDVP,DMT,EN,ES,FNT,HPT,HCC
 H,MLN,MXC,PRN,MP,PMR,PYN).
78. Devine, G. J., Wright, D. J., and Denholm, I. (2000). A Parasitic Wasp (*Eretmocerus mundus* Mercet) can Exploit Chemically Induced Delays in the Development Rates of Its Whitefly Host (*Bemisia tabaci* Genn.). *Biol.Control* 19: 64-75.
- Chemical of Concern: PPB; Habitat: T; Rejection Code: NO COC(PMR).
79. DeVries, D. H. (1979). Mechanisms of Resistance to Pyrethroid Insecticides in a Trans-Permethrin Selected Strain of the House Fly, *Musca domestica* L. *Ph.D.Thesis, Univ.of California, Riverside, CA* 157 p.
- EcoReference No.: 93074
 Chemical of Concern:
 PCPMR,PTPMR,RSM,DTCYP,HCCH,DDT,DMT,EPRN,ATN,DTATN,FNV,PPB; Habitat: T;
Effect Codes: ACC,BCM,MOR; Rejection Code: NO
 CONTROL(RSM,HCCH,DDT,DMT,EPRN,ATN,DTATN,FNV,PPB,PCPMR,PTPMR),OK(DTCYP).
80. Dhingra, S. (1996). Effect of Different Vegetable Oils on the Toxicity of Cypermethrin in Mixed Formulations

to the Adults of *Mylabris pustulata* Thunb. *J.Entomol.Res.(New Delhi)* 20: 19-22.

Chemical of Concern: PPB,AZD,CYP; Habitat: T; Rejection Code: TARGET(AZD,CYP),NO COC(PMR).

81. Donkin, P., Widdows, J., Evans, S. V., Staff, F. J., and Yan, T. (1997). Effect of Neurotoxic Pesticides on the Feeding Rate of Marine Mussels (*Mytilus edulis*). *Pestic.Sci.* 49: 196-209.

EcoReference No.: 20518

Chemical of Concern: FYT,CBL,PMR,DDVP,HCCH,ETHN,EN; Habitat: A; Effect Codes: ACC,BEH,PHY; Rejection Code: LITE EVAL CODED(CBL),OK(ALL CHEMS),NO ENDPOINT(PMR).

82. Dow Chemical Co. (1992). Initial Submission: Study of the Effects of Environmental Components on Reproduction and Ontogenesis with Cover Letter Dated 042192. *EPA/OTS Doc.#88-920002234*.

Chemical of Concern: PPB; Habitat: T; Rejection Code: NO COC(PMR).

83. Dow Corning Corp. (1994). Bioconcentration of Eicosamethylnonsiloxane (MD7M) in Rainbow Trout with Cover Letter Dated 04/20/94. *EPA/OTS Doc.#86940001479* (NTIS/OTS0572726).

Chemical of Concern: PPB; Habitat: A; Rejection Code: NO COC(PMR).

84. Dow Corning Corp. (1994). Bioconcentration of Hexadecamethylcyclooctosiloxane in the Rainbow Trout with Cover Letter Dated 04/20/94. *EPA/OTS Doc.#86940001478* (NTIS/OTS0572725).

Chemical of Concern: PPB; Habitat: A; Rejection Code: NO COC(PMR).

85. Dowd, P. F. (1993). Toxicity of the Fungal Metabolite Griseofulvin to *Helicoverpa zea* and *Spodoptera frugiperda*. *Entomol.Exp.Appl.* 69: 5-11.

Chemical of Concern: PPB; Habitat: T; Rejection Code: NO COC(PMR).

86. Dowd, P. F. and Sparks, T. C. (1987). Inhibition of Trans-Permethrin Hydrolysis in *Pseudoplusia includens* (Walker) and Use of Inhibitors as Pyrethroid Synergists. *Pestic.Biochem.Physiol.* 27: 237-245.

EcoReference No.: 99890

Chemical of Concern:

PFF,FPP,PSM,SPS,MPO,PRN,MP,DEF,DEM,ACP,CBL,CBF,MOM,PTPMR,TBC,EDTA,HgCl₂,Cu Cl,Hg,Cu,CdCl,MnCl,ZnCl₂,PBN,CoCl,MgCl,SFL,CN,CYP,PPB,PTR,PCPMR,PMR,TLM,FNV,FVL,ATN,RSM; Habitat: T; Effect Codes: MOR; Rejection Code: NO CONTROL(PTPMR),NO IN VITRO(MP,CBL,CBF,MOM,SFL,CYP,PCPMR,PMR),NO MIXTURE(PSM),NO CONTROL,TARGET(PFF).

87. Dunson, W. A. (1969). Part IV. Radionuclide Cycling in Fresh-Water Organisms and Environments Concentration of Sodium by Freshwater Turtles. In: *Symp.on Radioecology, Part IV.2nd Natl.AEC Rep.No.CONF-670503*: 191-197.

EcoReference No.: 85981

Chemical of Concern: Zn,PMR; Habitat: T; Effect Codes: ACC; Rejection Code: NO CONTROL,NO ENDPOINT(PMR,Zn).

88. Dwyer, F. J., Hardesty, D. K., Henke, C. E., Ingersoll, C. G., Whites, D. W., Mount, D. R., and Bridges, C. M. (1999). Assessing Contaminant Sensitivity of Endangered and Threatened Species: Effluent Toxicity Tests. *EPA 600/R-99/099*, U.S.EPA, Washington, DC 9 p.

- EcoReference No.: 56162
 Chemical of Concern: CBL,CuS,NYP,PCP,PMR,NH; Habitat: A; Effect Codes: GRO,REP,MOR;
Rejection Code: LITE EVAL CODED(CBL),OK(NH),NO MIXTURE(CuS,PCP,NYP,PMR),NO
 COC(DZ).
89. Edwards, G. R., Crawley, M. J., and Heard, M. S. (1999). Factors Influencing Molehill Distribution in
 Grassland: Implications for Controlling the Damage Caused by Molehills. *J.Appl.Ecol.* 36 : 434-442.
- EcoReference No.: 100207; Habitat: T; Effect Codes: POP; Rejection Code: NO COC(PMR).
90. El Elaimy, I. A., El Saadany, M. M., Gabr, S. A., and Sakr, S. A. (1990). Pesticide-Poisoning to Fresh Water
 Teleost VIII. Ultrastructural Alterations of the Intestine of Tilapia nilotica Under Stress of Exposure to
 Diazinon and Neopybuthrin. *J.Egypt.Ger.Soc.Zool.* 1: 223-236.
- EcoReference No.: 7050
 Chemical of Concern: DZ,PMR; Habitat: A; Effect Codes: CEL; Rejection Code: NO
 ENDPOINT(DZ,PMR).
91. El-Elaimy, I. A., Sakr, S. A., El-Saadany, M. M., and Gabr, S. A. (1993). Electron Microscopic Study of the
 Liver of Tilapia nilotica Exposed to Neopybuthrin. *Bull.EnvIRON.Contam.Toxicol.* 50: 682-688.
- EcoReference No.: 6948
 Chemical of Concern: PMR; Habitat: A; Effect Codes: CEL; Rejection Code: NO
 ENDPOINT(PMR).
92. El-Sewedy, S. M., Zahran, M. A., Zeidan, M. A., Mostafa, M. H., and El-Bassiouni, E. A. (1982). Effect and
 Mechanism of Action of Methomyl and Cypermethrin Insecticides on Kynurenine Metabolizing
 Enzymes of Mouse Liver. *J.EnvIRON.Sci.Health Part B* 17: 527-539.
- EcoReference No.: 72485
 Chemical of Concern: MOM,CYP; Habitat: T; Effect Codes: MOR,BCM,GRO; Rejection Code:
 LITE EVAL CODED(CYP,MOM),NO COC(PMR).
93. Elliott, M., Farnham, A. W., Janes, N. F., and Needham, P. H. (1974). Insecticidal Activity of the Pyrethrins
 and Related Compounds. VI. Methyl-, Alkenyl-, and Benzyl-Furfuryl and -3-Furylmethyl
 Chrysanthemates. *Pesti.Sci.* 5: 491-496.
- EcoReference No.: 72474
 Chemical of Concern: PMR,PYN; Habitat: T; Effect Codes: MOR; Rejection Code: NO
 CONTROL(ALL CHEMS).
94. Elliott, M., Janes, N. F., Pulman, D. A., Gaughan, L. C., Unai, T., and Casida, J. E. (1976). Radiosynthesis and
 Metabolism in Rats of the 1R Isomers of the Insecticide Permethrin. *J.Agric.Food Chem.* 24: 270-276.
- EcoReference No.: 99557
 Chemical of Concern: PMR; Habitat: T; Effect Codes: BCM; Rejection Code: NO
 ENDPOINT(PMR).
95. Emerson, M. R., Biswas, S., and LeVine, S. M. (2001). Cuprizone and Piperonyl Butoxide, Proposed Inhibitors
 of T-Cell Function, Attenuate Experimental Allergic Encephalomyelitis in SJL Mice .
J.Neuroimmunol. 119: 205-213.
- EcoReference No.: 75771
 Chemical of Concern: PPB; Habitat: T; Effect Codes: CEL,GRO,PHY; Rejection Code:
 OK(PPB),NO COC(PMR).

96. Enayati, A. A., Vatandoost, H., Ladonni, H., Townson, H., and Hemingway, J. (2003). Molecular Evidence for a KDR-Like Pyrethroid Resistance Mechanism in the Malaria Vector Mosquito *Anopheles stephensi*. *Med.Vet.Entomol.* 17: 138-144 .
- EcoReference No.: 100272
Chemical of Concern: PPB,TBF,PMR; Habitat: A; Effect Codes: MOR,CEL; Rejection Code: NO CONTROL(PMR,MIXTURE-PPB,TBF).
97. Estesén, B. J., Buck, N. A., and Ware, G. W. (1979). Dislodgable Insecticide Residues on Cotton Foliage: Permethrin, Curacron, Fenvalarate, Sulprofos, Decis, and Endosulfan. *Bull.Environ.Contam.Toxicol.* 22: 245-248.
- EcoReference No.: 100758
Chemical of Concern: PMR,FNV,PPF,ES; Habitat: T; Effect Codes: ACC; Rejection Code: NO ENDPOINT(PMR,FNV,PPF,ES).
98. Everts, J. W., Van Frankenhuyzen, K., Roman, B., and Koeman, J. H. (1983). Side-Effects of Experimental Pyrethroid Applications for the Control of Tsetseflies in a Riverine Forest Habitat (Africa). *Arch.Environ.Contam.Toxicol.* 12: 91-97.
- EcoReference No.: 12785
Chemical of Concern: DM,PYT,PMR; Habitat: AT; Effect Codes: POP; Rejection Code: NO ENDPOINT(PMR).
99. Fix, L. A. and Plapp, F. W. Jr. (1987). Effect of Parasitism on Several Detoxification Enzymes in the Tobacco Budworm (Lepidoptera: Noctuidae). *J.Kans.Entomol.Soc.* 60: 421-425.
- EcoReference No.: 99584
Chemical of Concern: AND; Habitat: T; Effect Codes: BCM; Rejection Code: NO COC(PMR).
100. Fleming, R. J., Holmes, D., and Nixon, S. J. (1998). Toxicity of Permethrin to *Chironomus riparius* in Artificial and Natural Sediments. *Environ.Toxicol.Chem.* 17: 1332-1337.
- EcoReference No.: 100205
Chemical of Concern: PMR; Habitat: A; Effect Codes: REP,MOR; Rejection Code: NO ENDPOINT(PMR).
101. Forkert, P. G., Stringer, V., and Racz, W. J. (1986). Effects of Administration of Metabolic Inducers and Inhibitors on Pulmonary Toxicity and Covalent Binding by 1,1-Dichloroethylene in CD-1 Mice. *Exp.Mol.Pathol.* 45: 44-58.
- EcoReference No.: 75547
Chemical of Concern: PPB,DCE; Habitat: T; Effect Codes: CEL,BCM; Rejection Code: OK(DCE),NO MIXTURE(PPB),NO COC(PMR).
102. Fragoso, D. B., Guedes, R. N. C., Guedes, R. N. C., Picanco, M. C., and Zambolim, L. (2002). Insecticide Use and Organophosphate Resistance in the Coffee Leaf Miner *Leucoptera coffeella* (Lepidoptera: Lyonetiidae). *Bull.Entomol.Res.* 92: 203-212.
- Chemical of Concern: PPB,CPY,DS,ETN,MP; Habitat: T; Rejection Code: NO COC(PMR).
103. Frampton, G. K. (1999). Spatial Variation in Non-target Effects of the Insecticides Chlorpyrifos, Cypermethrin and Pirimicarb on Collembola in Winter Wheat. *Pestic.Sci.* 55: 875-886.
- EcoReference No.: 66153
Chemical of Concern: CYP,CPY; Habitat: T; Effect Codes: POP; Rejection Code: LITE EVAL

CODED(CYP),OK(PIRM),OK TARGET(CPY),NO COC(PMR).

104. Frank, R., Johnson, K., Braun, H. E., Halliday, C. G., and Harvey, J. (1991). Monitoring Air, Soil, Stream and Fish for Aerial Drift of Permethrin. *Environ.Monit.Assess.* 16: 137-150.
- EcoReference No.: 14680
Chemical of Concern: PMR; Habitat: A; Effect Codes: ACC; Rejection Code: NO ENDPOINT,NO DURATION(PMR).
105. Franz, T. J., Lehman, P. A., Franz, S. F., and Guin, J. D. (1996). Comparative Percutaneous Absorption of Lindane and Permethrin. *Arch.Dermatol.* 132: 901-905.
- EcoReference No.: 99919
Chemical of Concern: PMR,HCCH; Habitat: T; Effect Codes: ACC; Rejection Code: NO ENDPOINT(PMR).
106. Fraser, L. H. (1998). Top-Down vs Bottom-Up Control Influenced by Productivity in a North Derbyshire, UK, Dale. *Oikos* 81: 99-108.
- EcoReference No.: 100203
Chemical of Concern: DMT,PMR,MAL,CPY,DZ; Habitat: T; Effect Codes: GRO,POP; Rejection Code: NO MIXTURE(DMT,PMR,CPY,DZ),NO ENDPOINT(MAL) .
107. Frater, Y., Brady, A., Lock, E. A., and De Matteis, F. (1993). Formation of N-Methyl Protoporphyrin in Chemically-Induced Protoporphyrin: Studies with a Novel Porphyrinogenic Agent. *Arch.Toxicol.* 67: 179-185.
- EcoReference No.: 74925
Chemical of Concern: PPB; Habitat: T; Effect Codes: BCM; Rejection Code: NO MIXTURE(PPB),NO COC(PMR).
108. Fujitani, T., Tanaka, T., Hashimoto, Y., and Yoneyama, M. (1993). Subacute Toxicity of Piperonyl Butoxide in ICR Mice. *Toxicology* 83: 93-100.
- EcoReference No.: 75194
Chemical of Concern: PPB; Habitat: T; Effect Codes: GRO,BCM,BEH,CEL,PHY; Rejection Code: OK(PPB),NO COC(PMR).
109. Furchner, J. E., Richmond, C. R., and Drake, G. A. (1968). Comparative Metabolism of Radionuclides in Mammals - IV. Retention of Silver-110m in the Mouse, Rat, Monkey, and Dog. *Health Phys.* 15: 505-514.
- EcoReference No.: 84774
Chemical of Concern: Ag,PMR; Habitat: T; Effect Codes: ACC; Rejection Code: NO CONTROL(PMR).
110. Furchner, J. E., Richmond, C. R., and London, J. E. (1973). Comparative Metabolism of Radionuclides in Mammals: VII. Retention of Beryllium in the Mouse, Rat, Monkey, and Dog. *Health Phys.* 24: 292-300.
- EcoReference No.: 49378
Chemical of Concern: Be,PMR; Habitat: T; Effect Codes: PHY, ACC; Rejection Code: NO CONTROL,NO ENDPOINT(PMR).
111. Gaillardon, P., Cabanne, F., Scalla, R., and Durst, F. (1985). Effect of Mixed Function Oxidase Inhibitors on the Toxicity of Chlortoluron and Isoproturon to Wheat. *Weed Res.* 25: 397-402.

- EcoReference No.: 75496
Chemical of Concern: PPB; Habitat: T; Effect Codes: GRO; Rejection Code: OK(PPB),NO COC(PMR).
112. Gandhi, S. R., Kulkarni, S. B., and Netrawali, M. S. (1988). Comparative Effects of Synthetic Insecticides- Endosulfan, Phosalone and Permethrin - on Chlamydomonas reinhardtii Algal Cells. *Acta Microbiol.Hung.* 35: 93-99.
- EcoReference No.: 9985
Chemical of Concern: PMR,ES,PHSL; Habitat: A; Effect Codes: POP; Rejection Code: NO ENDPOINT,NO CONTROL(PMR,ES,PHSL).
113. Garcinuno, R. M., Fernandez-Hernando, P., and Camara, C. (2003). Evaluation of Pesticide Uptake by Lupinus Seeds. *Water Res.* 37: 3481-3489.
- EcoReference No.: 69589
Chemical of Concern: FMP,PMR,LNR,ATZ,SZ,CBL; Habitat: T; Effect Codes: ACC; Rejection Code: NO ENDPOINT,NO CONTROL(FMP,PMR,ATZ,SZ,CBL).
114. Gaughan, L. C., Ackerman, M. E., Unai, T., and Casida, J. E. (1978). Distribution and Metabolism of trans- and cis-Permethrin in Lactating Jersey Cows. *J.Agric.Food Chem.* 26: 613-618.
- EcoReference No.: 36752
Chemical of Concern: PMR,SMT; Habitat: T; Effect Codes: ACC; Rejection Code: NO CONTROL,ENDPOINT(PMR).
115. Gaughan, L. C. and Casida, J. E. (1978). Degradation of Trans- and Cis-Permethrin on Cotton and Bean Plants. *J.Agric.Food Chem.* 26: 525-528.
- EcoReference No.: 91417
Chemical of Concern: PMR; Habitat: T; Effect Codes: ACC; Rejection Code: NO COC(SMT),NO ENDPOINT(PMR).
116. Gaughan, L. C., Robinson, R. A., and Casida, J. E. (1978). Distribution and Metabolic Fate of trans- and cis-Permethrin in Laying Hens. *J.Agric.Food Chem.* 26: 1374-1380.
- EcoReference No.: 36753
Chemical of Concern: PMR; Habitat: T; Effect Codes: ACC,PHY; Rejection Code: NO CONTROL,ENDPOINT(PMR).
117. Gaughan, L. C., Unai, T., and Casida, J. E. (1977). Permethrin Metabolism in Rats. *J.Agric.Food Chem.* 25: 9-17.
- EcoReference No.: 91418
Chemical of Concern: PMR; Habitat: T; Effect Codes: ACC; Rejection Code: NO COC(SMT),NO ENDPOINT(PMR).
118. George, D. A. (1985). Permethrin and Its Two Metabolite Residues in Seven Agricultural Crops. *J.Assoc.Off.Anal.Chem.* 68: 1160-1163.
- EcoReference No.: 91555
Chemical of Concern: PMR; Habitat: T; Effect Codes: ACC; Rejection Code: NO ENDPOINT(PMR),NO COC(SMT).
119. Georghiou, G. P., Lagunes, A., and Baker, J. D. (1983). Effect of Insecticide Rotations on Evolution of

Resistance. In: J.Miyamoto and P.C.Kearney (Eds.), *Proc.of the 5th Int.Congress of Pesticide Chemistry, Aug.29-Sept.4, 1982, Kyoto, Japan* 183-189.

EcoReference No.: 16632

Chemical of Concern: DFZ,PPX,TMP,PMR; Habitat: A; Effect Codes: POP; Rejection Code: NO ENDPOINT,NO CONTROL(TMP,PMR,DFZ).

120. Gerzabek, M. H., Strebl, F., and Temmel, B. (1998). Plant Uptake of Radionuclides in Lysimeter Experiments. *Environ.Pollut.* 1: 93-103.

EcoReference No.: 49498; Habitat: T; Effect Codes: ACC; Rejection Code: NO COC(PMR).

121. Gilderhus, P. A. (1982). Effects of an Aquatic Plant and Suspended Clay on the Activity of Fish Toxicants. *N.Am.J.Fish.Manag.* 2: 301-306.

EcoReference No.: 15277

Chemical of Concern: PMR,RTN,ATM; Habitat: A; Effect Codes: MOR; Rejection Code: LITE EVAL CODED(RTN),NO CONTROL(PMR,ATM).

122. Giles, D. K., Blewett, T. C., Saiz, S. G., Welsh, A. M., and Krieger, R. I. (1992). Foliar and Nontarget Deposition from Conventional and Reduced-Volume Pesticide Application in Greenhouses. *J.Agric.Food Chem.* 40: 2510-2516.

EcoReference No.: 99606

Chemical of Concern: PMR; Habitat: T; Effect Codes: ACC; Rejection Code: NO ENDPOINT(PMR).

123. Gill, S. S. (1977). Larvicidal Activity of Synthetic Pyrethroids Against *Aedes albopictus* (Skuse). *Southeast Asian J.Trop.Med.Public Health* 8: 510-514.

EcoReference No.: 70142

Chemical of Concern: RSM,PYT,PMR,ATN,SMT; Habitat: A; Effect Codes: MOR; Rejection Code: NO CONTROL(RSM,PYT,PMR,ATN,SMT).

124. Glickman, A. H., Hamid, A. A. R., Rickert, D. E., and Lech, J. J. (1981). Elimination and Metabolism of Permethrin Isomers in Rainbow Trout. *Toxicol.Appl.Pharmacol.* 57: 88-98.

EcoReference No.: 5178

Chemical of Concern: PMR; Habitat: A; Effect Codes: MOR,ACC,PHY; Rejection Code: NO CONTROL(PMR).

125. Glickman, A. H. and Lech, J. J. (1982). Differential Toxicity of Trans-Permethrin in Rainbow Trout and Mice. II. Role of Target Organ Sensitivity. *Toxicol.Appl.Pharmacol.* 66: 162-171.

EcoReference No.: 11115

Chemical of Concern: PMR; Habitat: A; Effect Codes: PHY,ACC,BCM; Rejection Code: NO ENDPOINT,NO CONTROL(PMR).

126. Glickman, A. H., Weitman, S. D., and Lech, J. J. (1982). Differential Toxicity of trans-Permethrin in Rainbow Trout and Mice I. Role of Biotransformation. *Toxicol.Appl.Pharmacol.* 66: 153-161.

EcoReference No.: 10813

Chemical of Concern: PMR; Habitat: AT; Effect Codes: MOR; Rejection Code: NO CONTROL(PMR).

127. Golenda, C. F. and Forgash, A. J. (1989). The Distribution and Metabolism of Fenvalerate in

- Pyrethroid-Resistant and Susceptible House Flies. *Pestic.Biochem.Physiol.* 33: 37-48.
- EcoReference No.: 80349
 Chemical of Concern: PPB,PYT,FNV,BZO; Habitat: T; Effect Codes: ACC,PHY; Rejection Code: NO MIXTURE(PPB,BZO),NO COC(PMR).
128. Govindachari, T. R. and Suresh, G. (1997). Phytochemicals in Locust and Grasshopper Management Strategies. In: S.K.Gangwere, M.C.Muralirangan, and M.Muralirangan (Eds.), *The Bionomics of Grasshoppers, Katydid and Their Kin*, CAB Int., Wallingford, England 407-419.
- Chemical of Concern: PPB,AZD; Habitat: T; Rejection Code: TARGET(AZD),NO COC(PMR).
129. Green, S. K. and Chou, J. C. (1991). Studies on Management Practices to Reduced Aphid-Transmitted Viruses and Their Vectors in Pepper (*Capsicum annum L.*). *Plant Prot.Bull.* 33: 364-375.
- EcoReference No.: 82100
 Chemical of Concern: PMR,DM,ALSV; Habitat: T; Effect Codes: POP; Rejection Code: LITE EVAL CODED(ALSV),NO MIXTURE(PMR,DM).
130. Guichon, P. T., Jim, G. K., Booker, C. W., Schunicht, O. C., Wildman, B. K., and Brown, J. R. (2000). Relative Cost-Effectiveness of Treatment of Feedlot Calves with Ivermectin Versus Treatment with a Combination of Fenbendazole, Permethrin, and Fenthion. *J.Am.Vet.Med.Assoc.* 216: 1965-1969.
- EcoReference No.: 99852
 Chemical of Concern: FNTH,PMR; Habitat: T; Effect Codes: MOR,GRO; Rejection Code: NO MIXTURE(PMR,FNTH).
131. Gupta, H. C. L. and Kavadia, V. S. (1984). Bioefficacy and Residues of Permethrin and Acephate in Cotton. *Pesticides (Bombay)* 18: 39-42.
- EcoReference No.: 100124
 Chemical of Concern: ACP,PMR; Habitat: T; Effect Codes: POP,ACC; Rejection Code: NO ENDPOINT(ACP,PMR).
132. Habtu, F. F. and Samsøe-Petersen, L. (1987). Semi-Field Method for Testing Side Effects of Pesticides on Adults of the Parasitic Wasp *Encarsia formosa* (Gahan) (Hym., Aphelinidae). *J.Appl.Entomol.* 104: 473-479.
- EcoReference No.: 70460
 Chemical of Concern: TYF,Captan,TBA,Maneb,CYP,ACP,AMZ,MOM,IPD,DM,PIRM,DCF,VCZ,RSM,PMR,BRSM,FNV,OML,EFV; Habitat: T; Effect Codes: POP; Rejection Code: NO ENDPOINT(ALL CHEMS).
133. Haga, T., Tsujii, Y., Hayashi, K., Kimura, F., Sakashita, N., and Fujikawa, K. I. (1990). Trifluoromethylpyridines as Building Blocks for a New Agrochemicals. Discovery of a New Turf Herbicide. In: D.R.Baker, J.G.Fenyès and W.K.Moberg (Eds.), *ACS (Am.Chem.Soc.) Symp.Ser.No.443, Chapter 9, Synthesis and Chemistry of Agrochemicals II, Meet.Am.Chem.Soc., Washington, D.C.* 107-120.
- EcoReference No.: 74373
 Chemical of Concern: DFZ,FNV,PMR,DCM,CPYM,MOM,ACP,DDVP,DZ; Habitat: T; Effect Codes: MOR; Rejection Code: NO CONTROL(MOM,TARGET-DZ,ACP,CPYM,FNV,PMR).
134. Hagley, E. A. C., Pree, D. J., Simpson, C. M., and Hikichi, A. (1981). Toxicity of Insecticides to Parasites of the Spotted Tentiform Leafminer (Lepidoptera: Gracillariidae). *Can.Entomol.* 113: 899-906.

- EcoReference No.: 36955
 Chemical of Concern: AZ,ES,PMR,FNV,CYP,MOM; Habitat: T; Effect Codes: MOR,GRO,POP;
Rejection Code: NO DURATION(AZ,ES,PMR,FNV,CYP,MOM),NO MIXTURE,ENDPOINT(AZ,ES,PMR,FNV,CYP,MOM).
135. Hamdan, H., Sofian-Azirun, M., Nazni, W. A., and Lee, H. L. (2005). Insecticide Resistance Development in *Culex quinquefasciatus* (Say), *Aedes aegypti* (L.) and *Aedes albopictus* (Skuse) Larvae Against Malathion, Permethrin and Temephos. *Trop.Biomed.* 22: 45-52.
- EcoReference No.: 99670
 Chemical of Concern: MLN,PMR,TMP; Habitat: A; Effect Codes: MOR; Rejection Code: NO CONTROL(MLN,PMR,TMP).
136. Hamilton, G. C., Lashomb, J. H., and Patt, J. M. (1996). Impact of Selected Insecticides Used in Eggplant Production on *Edovum putteri* Grissell (Hymenoptera: Eulophidae). *J.Entomol.Sci.* 31: 432-439.
- Chemical of Concern: PPB,RTN,EFV,OML; Habitat: T; Rejection Code: TARGET(RTN),NO COC(PMR).
137. Hamm, J. T., Wilson, B. W., and Hinton, D. E. (2001). Increasing Uptake and Bioactivation with Development Positively Modulate Diazinon Toxicity in Early Life Stage Medaka (*Oryzias latipes*). *Toxicol.Sci.* 61: 304-313.
- EcoReference No.: 74895
 Chemical of Concern: PPB,DZ; Habitat: A; Effect Codes: BCM,ACC,MOR; Rejection Code: LITE EVAL CODED(DZ),NO MIXTURE(PPB),NO COC(PMR).
138. Haseeb, M. and Amano, H. (2002). Effects of Contact, Oral and Persistent Toxicity of Selected Pesticides on *Cotesia plutellae* (Hym., Braconidae), a Potential Parasitoid of *Plutella xylostella* (Lep., Plutellidae). *J.Appl.Entomol.* 126: 8-13.
- EcoReference No.: 71557
 Chemical of Concern: PMR; Habitat: T; Effect Codes: MOR,BEH; Rejection Code: NO CONC(PMR).
139. Haya, K. (1989). Toxicity of Pyrethroid Insecticides to Fish. *Environ.Toxicol.Chem.* 8: 381-391.
- EcoReference No.: 62106
 Chemical of Concern: DM,CYP,FPP,FYT,FNV,PMR; Habitat: A; Effect Codes: BCM; Rejection Code: LITE EVAL CODED(FNV),NO REVIEW(DM,CYP,FPP,FYT,PMR).
140. Hemingway, J., Dunbar, S. J., Monro, A. G., and Small, G. J. (1993). Pyrethroid Resistance in German Cockroaches (Dictyoptera: Blattellidae): Resistance Levels and Underlying Mechanisms. *J.Econ.Entomol.* 86: 1631-1638.
- Chemical of Concern: PPB,PYT,CYP,FNV; Habitat: T; Rejection Code: TARGET(CYP),NO COC(PMR).
141. Hemingway, J., Small, G. J., and Monro, A. G. (1993). Possible Mechanisms of Organophosphorus and Carbamate Insecticide Resistance in German Cockroaches (Dictyoptera: Blattellidae) from Different Geographical Area. *J.Econ.Entomol.* 86: 1623-1630.
- Chemical of Concern: PPB,CPY; Habitat: T; Rejection Code: NO COC(PMR).

142. Hemmer, M. J., Middaugh, D. P., and Comparetta, V. (1992). Comparative Acute Sensitivity of Larval Topsmelt, *Atherinops affinis*, and Inland Silver-side, *Menidia beryllina*, to 11 Chemicals. *Environ.Toxicol.Chem.* 11: 401-408 (OECDG Data File).
- EcoReference No.: 13112
 Chemical of Concern: NaLS,4NP,FNV,ES,MXC,AZ,CPY,TBO,PMR,EFV; Habitat: A; Effect Codes: MOR; Rejection Code: LITE EVAL CODED(AZ),OK(ALL CHEMS),NO CONTROL(PMR,FNV,CPY).
143. Herr, D. W., Hong, J. S., Chen, P., Tilson, H. A., and Harry, G. J. (1986). Pharmacological Modification of DDT-Induced Tremor and Hyperthermia in Rats: Distributional Factors. *Psychopharmacology* 89: 278-283.
- EcoReference No.: 99912
 Chemical of Concern: DDT,PPB,PMR; Habitat: T; Effect Codes: PHY,BCM; Rejection Code: NO MIXTURE(PMR),OK(PPB).
144. Herzberg, A. M. (1988). Toxicity and Accumulation of Permethrin in the Tilapia *Oreochromis aureus*. *Isr.J.Aquacult.Bamidgeh* 40: 35-39.
- EcoReference No.: 3231
 Chemical of Concern: PMR; Habitat: A; Effect Codes: MOR,ACC; Rejection Code: NO CONTROL(PMR).
145. Hesler, L. S. and Plapp, F. W. Jr. (1986). Combinations of Oils and Similar Compounds with Insecticides: Effects on Toxicity and on Leaf Residues. *Southwest.Entomol.Suppl.* 11: 75-82.
- EcoReference No.: 100271
 Chemical of Concern: EPRN,MP,PMR; Habitat: T; Effect Codes: BEH,ACC; Rejection Code: NO CONTROL(MP,PMR).
146. Hill, W. A., Randolph, M. M., Boyd, K. L., and Mandrell, T. D. (2005). Use of Permethrin Eradicated the Tropical Rat Mite (*Ornithonyssus bacoti*) from a Colony of Mutagenized and Transgenic Mice. *Contemp.Top.Lab.Anim.Sci.* 44: 31-34.
- EcoReference No.: 100126
 Chemical of Concern: DDVP,PMR; Habitat: T; Effect Codes: MOR; Rejection Code: NO ENDPOINT,NO CONTROL(PMR).
147. Hilscherova, K., Blankenship, A., Kannan, K., Nie, M., Williams, L. L., Coady, K., Upham, B. L., Trosko, J. E., Bursian, S., and Giesy, J. P. (2003). Oxidative Stress in Laboratory-Incubated Double-Crested Cormorant Eggs Collected from the Great Lakes. *Arch.Environ.Contam.Toxicol.* 45: 533-546.
- EcoReference No.: 74904
 Chemical of Concern: PPB,TCDD; Habitat: T; Effect Codes: MOR,PHY,GRO; Rejection Code: LITE EVAL CODED(PPB),NO COC(PMR).
148. Hilscherova, K., Blankenship, A. L., Nie, M., Coady, K. K., Upham, B. L., Trosko, J. E., and Giesy, J. P. (2003). Oxidative Stress in Liver and Brain of the Hatchling Chicken (*Gallus domesticus*) Following In Ovo Injection with TCDD. *Comp.Biochem.Physiol.C* 136: 29-45.
- EcoReference No.: 74867
 Chemical of Concern: PPB,TCDD,DXN; Habitat: T; Effect Codes: BCM,CEL; Rejection Code: LITE EVAL CODED(PPB),NO COC(PMR).
149. Hiromori, T., Nakanishi, T., Kawaguchi, S., Sako, H., Suzuki, T., and Miyamoto, J. (1986).

Therapeutic Effects of Methocarbamol on Acute Intoxication by Pyrethroids in Rats. *J.Pestic.Sci.* 11: 9-14.

EcoReference No.: 77503

Chemical of Concern: FPP,FNV,CYP,PMR,EFV; Habitat: T; Effect Codes: MOR,PHY; Rejection Code: NO CONTROL(ALL CHEMS).

150. Hogsette, J. A. and Ruff, J. P. (1986). Evaluation of Flucythrinate and Fenvalerate-Impregnated Ear Tags and Permethrin Ear Tapes for Fly (Diptera: Muscidae) Control on Beef and Dairy Cattle in Northwest Florida. *J.Econ.Entomol.* 79: 152-157.

EcoReference No.: 99896

Chemical of Concern: FYT,PMR,FNV; Habitat: T; Effect Codes: POP; Rejection Code: NO ENDPOINT(PMR).

151. Hogsette, J. A., Ruff, J. P., and Jones, C. J. (1987). Stable Fly Biology and Control in Northwest Florida. *J.Agric.Entomol.* 4: 1-11.

EcoReference No.: 99838

Chemical of Concern: PMR; Habitat: T; Effect Codes: MOR; Rejection Code: NO ENDPOINT,NO CONTROL(PMR).

152. Holcombe, G. W., Phipps, G. L., and Tanner, D. K. (1982). The Acute Toxicity of Kelthane, Dursban, Disulfoton, Pydrin, and Permethrin to Fathead Minnows *Pimephales promelas* and Rainbow Trout *Salmo gairdneri*. *Environ.Pollut.Ser.A* 29: 167-178.

EcoReference No.: 10536

Chemical of Concern: CPY,DS,PMR,EFV,DCF; Habitat: A; Effect Codes: MOR; Rejection Code: NO CONTROL(DS,CPY,PMR).

153. Holdway, D. A. and Dixon, D. G. (1988). Acute Toxicity of Permethrin or Glyphosate Pulse Exposure to Larval White Sucker (*Catostomus commersoni*) and Juvenile Flagfish (*Jordanella*). *Environ.Toxicol.Chem.* 7: 63-68.

EcoReference No.: 2136

Chemical of Concern: GYP,PMR; Habitat: A; Effect Codes: MOR; Rejection Code: NO ENDPOINT,NO CONTROL(GYP),NO CONTROL(PMR).

154. Hoy, J. B., Cody, B. A., Karlix, J. L., Schmidt, C. J., Tebbett, I. R., Toffollo, S., Van Haaren, F., and Wielbo, D. (1999). Pyridostigmine Bromide Alters Locomotion and Thigmotaxis of Rats: Gender Effects. *Pharmacol.Biochem.Behav.* 63: 401-406.

EcoReference No.: 100094

Chemical of Concern: DEET; Habitat: T; Effect Codes: PHY,BEH,BCM; Rejection Code: NO COC(PMR).

155. Huckle, K. R., Climie, I. J. G., Hutson, D. H., and Millburn, P. (1981). Dipeptide Conjugation of 3-Phenoxybenzoic Acid in the Mallard Duck. *Drug Metab.Dispos.* 9: 147-149.

EcoReference No.: 37201

Chemical of Concern: PBA; Habitat: T; Rejection Code: NO CONTROL,ENDPOINT(PBA).

156. Hunt, L. M., Gilbert, B. N., and Lemeilleur, C. A. (1979). Distribution and Depletion of Radioactivity in Hens Treated Dermally with ¹⁴C-Labeled Permethrin. *Poult.Sci.* 58: 1197-1201.

EcoReference No.: 37209

- Chemical of Concern: PMR; Habitat: T; Effect Codes: ACC; Rejection Code: NO
ENDPOINT(PMR).
157. Iftner, D. C. and Hall, F. R. (1983). Effects of Fenvalerate and Permethrin on *Tetranychus urticae* Koch (Acari: Tetranychidae) Dispersal Behavior. *Environ.Entomol.* 12: 1782-1786.
- EcoReference No.: 71018
Chemical of Concern: PMR,FNV,PSM; Habitat: T; Effect Codes: POP; Rejection Code: NO
ENDPOINT(FNV,PMR,PSM).
158. Ismail, F. and Wright, D. J. (1992). Synergism of Teflubenzuron and Chlorfluazuron in an Acylurea-Resistant Field Strain of *Plutella xylostella* L. (Lepidoptera: Yponomeutidae). *Pestic.Sci.* 34: 221-226.
- Chemical of Concern: PPB,TBF; Habitat: T; Rejection Code: NO COC(PMR).
159. Itoh, T. (1993). Control of DF/DHF Vector, *Aedes* Mosquito, with Insecticides. *Trop.Med.* 35: 259-267.
- EcoReference No.: 100450
Chemical of Concern: PMR,DATN,MTPN,TMP,PYX; Habitat: AT; Effect Codes: MOR,GRO,BEH; Rejection Code: NO CONTROL(MTPN,TMP,PMR).
160. Ivie, G. W. and Hunt, L. M. (1980). Metabolites of Cis- and Trans-permethrin in Lactating Goats. *J.Agric.Food Chem.* 28: 1131-1138.
- EcoReference No.: 91416
Chemical of Concern: PMR; Habitat: T; Effect Codes: ACC; Rejection Code: NO COC(SMT),NO
ENDPOINT(PMR).
161. Jarboe, H. H. (1989). Toxicity of Permethrin to *Procambarus clarkii*, and the Effects of Permethrin-Induced Density Reduction and Supplemental Feeding on Stunted Crawfish. *Ph.D.Thesis, Louisiana State Univ., Baton Rouge, LA* 111 p.
- EcoReference No.: 20355
Chemical of Concern: PMR; Habitat: A; Effect Codes: MOR,REP,GRO; Rejection Code: NO
ENDPOINT(PMR).
162. Jarboe, H. H. and Romaine, R. P. (1991). Acute Toxicity of Permethrin to Four Size Classes of Red Swamp Crayfish (*Procambarus clarkii*) and Observations of Post-Exposure Effects. *Arch.Environ.Contam.Toxicol.* 20: 337-342.
- EcoReference No.: 173
Chemical of Concern: PMR; Habitat: A; Effect Codes: GRO,MOR,REP; Rejection Code: NO
CONTROL(PMR).
163. Jarboe, H. H. and Romaine, R. P. (1995). Response of Procambarid Crayfish Populations to Permethrin Applications in Earthen Ponds. *Bull.Environ.Contam.Toxicol.* 55: 58-64.
- EcoReference No.: 14948
Chemical of Concern: PMR; Habitat: A; Effect Codes: POP,MOR; Rejection Code: NO
ENDPOINT,NO CONTROL(PMR).
164. Jefferies, P. R., Yu, P., and Casida, J. E. (1997). Structural Modifications Increase the Insecticidal Activity of Ryanodine. *Pestic.Sci.* 51: 33-38.

- Chemical of Concern: PPB,RYA; Habitat: T; Rejection Code: NO COC(PMR).
165. Jenner, A. M. and Timbrell, J. A. (1994). Influence of Inducers and Inhibitors of Cytochrome P450 on the Hepatotoxicity of Hydrazine In Vivo. *Arch.Toxicol.* 68: 349-357.
- EcoReference No.: 74933
Chemical of Concern: PPB; Habitat: T; Effect Codes: BCM; Rejection Code: NO MIXTURE(PPB),NO COC(PMR).
166. Jensen, T., Lawler, S. P., and Dritz, D. A. (1999). Effects of Ultra-Low Volume Pyrethrin, Malathion, and Permethrin on Nontarget Invertebrates, Sentinel Mosquitoes, and Mosquitofish in Seasonally Impounded Wetlands. *J.Am.Mosq.Control Assoc.* 15: 330-338.
- EcoReference No.: 62233
Chemical of Concern: MLN,PYN; Habitat: AT; Effect Codes: MOR,POP; Rejection Code: LITE EVAL CODED(MLN),NO COC(PMR).
167. Johnson, G. A., Hoverstad, T. R., and Greenwald, R. E. (1998). Integrated Weed Management Using Narrow Corn Row Spacing, Herbicides, and Cultivation. *Agron.J.* 90: 40-46.
- EcoReference No.: 63537
Chemical of Concern: ACO,DMB,PMR; Habitat: T; Effect Codes: GRO,POP; Rejection Code: NO ENDPOINT,NO CONTROL(PMR).
168. Jolly, A. L., Graves, J. B., Avault, J. W., and Koonce, K. L. (1978). Effects of a New Insecticide on Aquatic Animals. *La.Agric.* 21: 3,16 (Author Communication Used).
- EcoReference No.: 637
Chemical of Concern: PMR; Habitat: A; Effect Codes: GRO,MOR; Rejection Code: NO CONTROL(PMR).
169. Jolly, A. L. Jr., Avault, J. W. Jr., Graves, J. B., and Koonce, K. L. (1976). Effects of Pounce on Newly Hatched and Juvenile Louisiana Red Swamp Crayfish, *Procambarus clarkii* (Girard). In: *O.V.Lindqvist (Ed.), Proc.3rd Int.Symp.Freshwater Crayfish, Aug.5-8, 1976, Kuspio, Finland* 3: 389-395.
- EcoReference No.: 7509
Chemical of Concern: PMR; Habitat: A; Effect Codes: MOR; Rejection Code: NO ENDPOINT,NO CONTROL(PMR).
170. Jones, S. B., King, L. B., Sappington, L. C., Dwyer, F. J., Ellersieck, M., and Buckler, D. R. (1998). Effects of Carbaryl, Permethrin, 4-Nonylphenol, and Copper on Muscarinic Cholinergic Receptors in Brain of Surrogate and Listed Fish Species. *Comp.Biochem.Physiol.C* 120: 405-414.
- EcoReference No.: 7174
Chemical of Concern: CBL,PMR,NYP,Cu; Habitat: A; Effect Codes: BCM; Rejection Code: LITE EVAL CODED(CBL,Cu),OK(NYP),NO ENDPOINT(PMR).
171. Kagabu, S., Nishiwaki, H., Sato, K., Hibi, M., Yamaoka, N., and Nakagawa, Y. (2002). Nicotinic Acetylcholine Receptor Binding of Imidacloprid-Related Diaza Compounds with Various Ring Sizes and Their Insecticidal Activity Against *Musca domestica*. *Pest Manag.Sci.* 58: 483-490.
- Chemical of Concern: PPB,NCTN; Habitat: T; Rejection Code: TARGET(NCTN),NO COC(PMR).
172. Kakiichi, N., Kitamikado, A., Sasamori, T., Tanaka, Y., Ishiwata, Y., Sakurai, A., Shimizu, K., and Kamata, S. I. (1996). Toxicity of Several Insecticides Against Ciliate *Colpoda aspera*. *Anim.Sci.Technol.* 67: 844-850.

- EcoReference No.: 70277
 Chemical of Concern: FNTH,PMR,CYR,PYX,PTP,DDVP,FNT,CBL,RSM; Habitat: T; Effect Codes: GRO; Rejection Code: LITE EVAL CODED(CYR),NO MIXTURE(DDVP,FNTH,FNT,PMR),OK(CBL,RSM).
173. Kaushik, N. K., Stephenson, G. L., Solomon, K. R., and Day, K. E. (1985). Impact of Permethrin on Zooplankton Communities in Limnocorrals. *Can.J.Fish.Aquat.Sci.* 42: 77-85.
- EcoReference No.: 11695
 Chemical of Concern: PMR; Habitat: A; Effect Codes: POP; Rejection Code: NO ENDPOINT(PMR).
174. Kawatsu, H. and Ikeda, T. (1988). Anti-Anemic Effect of Menadione Dimethylpyrimidinol Bisulfite Against Molinate-Induced Anemia in Common Carp. *Nippon Suisan Gakkaishi (Bull.Jpn.Soc.Sci.Fish.)* 54: 1731-1736.
- EcoReference No.: 74252
 Chemical of Concern: MLT; Habitat: A; Effect Codes: MOR,BCM; Rejection Code: LITE EVAL CODED(MLT),NO COC(PMR).
175. Kelch, W. J. and New, J. C. Jr. (1993). The Reported Use of Drugs to Prevent Diseases in Beef Cattle in Tennessee. *Prev.Vet.Med.* 15: 291-302.
- EcoReference No.: 76627
 Chemical of Concern: CYP,PYT,PMR,FYT,PSM,MXC,MLN,FNTH,DDVP,DZ,CMPH; Habitat: T; Effect Codes: PHY; Rejection Code: NO ENDPOINT,CONTROL(ALL CHEMS).
176. Khalil, S. K., Shah, M. A., and Naeem, M. (1985). Laboratory Studies on the Compatibility of the Entomopathogenic Fungus *Verticillium lecanii* with Certain Pesticides. *Agric.Ecosyst.Environ.* 13: 329-334.
- EcoReference No.: 74145
 Chemical of Concern: MOM,PMR,FNT,MVP,PIM,CYP,FO,OML,BTN,TDF,BMY,MZB,MEM,TPM; Habitat: T; Effect Codes: POP,REP; Rejection Code: NO ENDPOINT(ALL CHEMS),TARGET(MZB).
177. Kikuchi, T., Nagashima, Y., and Chiba, M. (1984). Accumulation and Excretion of Permethrin by the Himedaka *Oryzias latipes* and Biological Significance of Accumulated Permethrin. *Bull.Jpn.Soc.Sci.Fish.* 50: 101-106.
- EcoReference No.: 10783
 Chemical of Concern: PMR; Habitat: A; Effect Codes: MOR,ACC,PHY; Rejection Code: NO CONTROL(PMR).
178. Kimura, Y. and Honda, Y. (1977). Uptake and Elimination of Some Radionuclides by Eggs and Fry of Rainbow Trout (II). *J.Radiat.Res.* 18: 182-193.
- EcoReference No.: 59941; Habitat: A; Effect Codes: ACC; Rejection Code: NO COC(PMR).
179. Kingsbury, P. D. (1976). Studies of the Impact of Aerial Applications of the Synthetic Pyrethroid NRDC-143 on Aquatic Ecosystems. *Information Rep.No.CC-X-127, Chemical Control Research Institute, Department of the Environment Canada, Ottawa, Ontario* 111 p.
- EcoReference No.: 10363
 Chemical of Concern: PMR; Habitat: A; Effect Codes: POP,MOR; Rejection Code: NO

ENDPOINT(PMR).

180. Kingsbury, P. D. and Kreutzweiser, D. P. (1980). Dosage-Effect Studies on the Impact of Permethrin on Trout Streams. *Rep.No.FPM-X-31, Environment Canada, Forest Pest Manage.Inst., Sault Ste.Marie, Ontario, Canada* 51 p.

EcoReference No.: 18121

Chemical of Concern: PMR; Habitat: A; Effect Codes: MOR,POP,BEH; Rejection Code: NO
ENDPOINT(PMR).

181. Kingsbury, P. D. and Kreutzweiser, D. P. (1980). Environmental Impact Assessment of a Semi-operational Permethrin Application. *Rep.No.FPM-X-30, Environ.Can., Forest Pest Manage.Inst., Can.Forest Serv., Sault Ste.Marie, Ontario, Canada* 88 p.

EcoReference No.: 4859

Chemical of Concern: PMR; Habitat: AT; Effect Codes: POP,ACC; Rejection Code: NO
ENDPOINT(PMR).

182. Kingsbury, P. D. and Kreutzweiser, D. P. (1980). Impact of Double Applications of Permethrin on Forest Streams and Ponds. *Rep.No.FPM-X-27, Environment Canada, Forest Pest Manag.Inst., Can.For.Serv., Sault Ste.Marie, Ontario, Canada* 42 p.

EcoReference No.: 13407

Chemical of Concern: PMR; Habitat: A; Effect Codes: ACC,MOR,POP,BEH; Rejection Code: NO
ENDPOINT(PMR).

183. Kingsbury, P. D. and McLeod, B. B. (1979). Terrestrial Impact Studies in Forest Ecosystems Treated with Double Applications of Permethrin. *Rep.No.FPM-X-28, Environment Canada, For.Pest Manag.Inst., Sault Ste.Marie, Ontario, Canada* 55 p.

EcoReference No.: 50979

Chemical of Concern: PMR; Habitat: T; Effect Codes: ACC,POP,MOR; Rejection Code: NO
ENDPOINT(PMR).

184. Kinsler, S., Levi, P. E., and Hodgson, E. (1990). Relative Contributions of the Cytochrome P450 and Flavin-Containing Monooxygenases to the Microsomal Oxidation of Phorate Following Treatment of Mice with Phenobarbital, Hydrocortisone, Acetone, and Piperonyl Butoxide. *Pestic.Biochem.Physiol.* 37: 174-181.

EcoReference No.: 74892

Chemical of Concern: PPB,PRT; Habitat: T; Effect Codes: CEL,BCM; Rejection Code: NO
ENDPOINT(PPB,PRT),NO COC(PMR).

185. Knepper, R. G., Walker, E. D., Wagner, S. A., Kamrin, M. A., and Zabik, M. J. (1996). Deposition of Malathion and Permethrin on Sod Grass After Single, Ultra-Low Volume Applications in a Suburban Neighborhood in Michigan. *J.Am.Mosq.Control Assoc.* 12: 45-51.

EcoReference No.: 94534

Chemical of Concern: MLN,PMR,PPB; Habitat: T; Effect Codes: ACC; Rejection Code: NO
MIXTURE(PPB,PMR),OK(MLN).

186. Kohmann, K. (1999). Side-Effects of Formulations of Permethrin and Fenvalerate Insecticides on Frost Resistance and Field Performance of Picea abies Seedlings. *Scand.J.For.Res.* 14: 355-360.

EcoReference No.: 64766

Chemical of Concern: PMR,FNV,DNB,EFV; Habitat: T; Effect Codes: GRO,PHY; Rejection Code:

NO ENDPOINT(ALL CHEMS).

187. Kotoula-Syka, E. and Hatzios, K. K. (1996). Interactions of Tribenuron with Four Safeners and Piperonyl Butoxide on Corn (*Zea mays*). *Weed Sci.* 44: 215-218.
Chemical of Concern: PPB,TN; Habitat: T; Rejection Code: NO COC(PMR).
188. Kottkamp, W. B., Roberts, R. H., and Meisch, M. V. (1981). Efficacy of Three Pyrethroids as Larvicides Against Riceland Mosquito Larvae in Field Plots. *Mosq.News* 41: 382-383.
EcoReference No.: 15600
Chemical of Concern: PMR,PYT,TMP,DCM; Habitat: A; Effect Codes: MOR; Rejection Code: OK(TMP,DCM),NO ENDPOINT(PMR).
189. Kreutzweiser, D. P. (1982). The Effects of Permethrin on the Invertebrate Fauna of a Quebec Forest. *For.Pest Manag.Inst.Rep., FPM-X-50, Sault Ste.Marie, Ontario, Canada* 44 p.
EcoReference No.: 18796
Chemical of Concern: PMR; Habitat: AT; Effect Codes: POP,ACC,MOR; Rejection Code: NO ENDPOINT(PMR).
190. Kreutzweiser, D. P. (1990). Response of a Brook Trout (*Salvelinus fontinalis*) Population to a Reduction in Stream Benthos Following an Insecticide Treatment. *Can.J.Fish.Aquat.Sci.* 47: 1387-1401.
EcoReference No.: 3334
Chemical of Concern: PMR; Habitat: A; Effect Codes: GRO,POP; Rejection Code: NO ENDPOINT(PMR).
191. Kreutzweiser, D. P. and Capell, S. S. (1992). A Simple Stream-Side Test System for Determining Acute Lethal and Behavioral Effects of Pesticides on Aquatic Insects. *Environ.Toxicol.Chem.* 11 : 993-999.
EcoReference No.: 5919
Chemical of Concern: TPR,PMR; Habitat: A; Effect Codes: POP,MOR; Rejection Code: NO ENDPOINT(PMR).
192. Kreutzweiser, D. P. and Kingsbury, P. D. (1987). Permethrin Treatments in Canadian Forests. Part 2: Impact on Stream Invertebrates. *Pestic.Sci.* 19: 49-60 (Author Communication Used).
EcoReference No.: 12576
Chemical of Concern: PMR; Habitat: A; Effect Codes: POP; Rejection Code: NO ENDPOINT(PMR).
193. Kreutzweiser, D. P. and Sibley, P. K. (1991). Invertebrate Drift in a Headwater Stream Treated with Permethrin. *Arch.Environ.Contam.Toxicol.* 20: 330-336.
EcoReference No.: 189
Chemical of Concern: PMR; Habitat: A; Effect Codes: POP; Rejection Code: NO ENDPOINT,NO CONTROL(PMR).
194. Kreutzweiser, D. P. and Wood, G. A. (1991). Permethrin Treatments in Canadian Forests. Part 3: Environmental Fate and Distribution in Streams. *Pestic.Sci.* 33: 35-46.
EcoReference No.: 99742
Chemical of Concern: PMR; Habitat: A; Effect Codes: ACC; Rejection Code: NO

ENDPOINT(PMR).

195. Kristensen, M. and Jespersen, J. B. (2004). Susceptibility of Spinosad in *Musca domestica* (Diptera: Muscidae) Field Populations. *J.Econ.Entomol.* 97: 1042-1048.
- EcoReference No.: 87290
Chemical of Concern: PPB,MOM,AZM,DMT,BRSM,SS; Habitat: T; Effect Codes: MOR; Rejection Code: TARGET(DMT,RSM,MOM),NO COC(PMR).
196. Kumar, S., Lal, R., and Bhatnagar, P. (1989). The Effects of Dieldrin, Dimethoate and Permethrin on *Tetrahymena pyriformis*. *Environ.Pollut.* 57: 275-280.
- EcoReference No.: 818
Chemical of Concern: DMT,PMR,DLD; Habitat: A; Effect Codes: POP; Rejection Code: LITE EVAL CODED(DMT),OK(DLD),NO ENDPOINT(PMR).
197. Kumar, S., Lal, R., and Bhatnagar, P. (1988). Uptake of Dieldrin, Dimethoate and Permethrin by *Cyanobacteria*, *Anabaena* sp. and *Aulosira fertilissima*. *Environ.Pollut.* 54: 55-61.
- EcoReference No.: 13218
Chemical of Concern: DLD,DMT,PMR; Habitat: A; Effect Codes: ACC; Rejection Code: LITE EVAL CODED(DMT),OK(DLD),NO CONTROL(PMR).
198. Kumar, S., Thomas, A., and Pillai, M. K. K. (1991). Involvement of Mono-oxygenases as a Major Mechanism of Deltamethrin Resistance in Larvae of Three Species of Mosquitoes. *Indian J.Exp.Biol.* 29: 379-384.
- EcoReference No.: 74930
Chemical of Concern: PPB,DDT,DM; Habitat: A; Effect Codes: MOR,BCM; Rejection Code: NO MIXTURE(PPB),OK(DM,DDT),NO COC(PMR).
199. Kumaraguru, A. K. and Beamish, F. W. H. (1983). Bioenergetics of Acclimation to Permethrin (NRDC-143) by Rainbow Trout. *Comp.Biochem.Physiol.C* 75: 247-252.
- EcoReference No.: 11274
Chemical of Concern: PMR; Habitat: A; Effect Codes: PHY,BEH; Rejection Code: NO ENDPOINT(PMR).
200. Kumaraguru, A. K. and Beamish, F. W. H. (1986). Effect of Permethrin (NRDC-143) on the Bioenergetics of Rainbow Trout, *Salmo gairdneri*. *Aquat.Toxicol.* 9: 47-58.
- EcoReference No.: 12069
Chemical of Concern: PMR; Habitat: A; Effect Codes: GRO,PHY; Rejection Code: NO ENDPOINT(PMR).
201. Kumaraguru, A. K. and Beamish, F. W. H. (1981). Lethal Toxicity of Permethrin (NRDC-143) to Rainbow Trout, *Salmo gairdneri*, in Relation to Body Weight and Water Temperature. *Water Res.* 15: 503-506.
- EcoReference No.: 5256
Chemical of Concern: PMR; Habitat: A; Effect Codes: MOR; Rejection Code: NO CONTROL(PMR).
202. Kumaraguru, A. K., Beamish, F. W. H., and Ferguson, H. W. (1982). Direct and Circulatory Paths of Permethrin (NRDC-143) Causing Histopathological Changes in the Gills of Rainbow Trout, *Salmo gairdneri* Richardson. *J.Fish Biol.* 20: 87-91.

- EcoReference No.: 15358
Chemical of Concern: PMR; Habitat: A; Effect Codes: CEL; Rejection Code: NO ENDPOINT,NO CONTROL(PMR).
203. Kwon, C. S. and Penner, D. (1995). Response of a Chlorsulfuron-Resistant Biotype of *Kochia scoparia* to ALS Inhibiting Herbicides and Piperonyl Butoxide. *Weed Sci.* 43: 561-565.
- Chemical of Concern: PPB,IZT,PMS,CRM,CSF,THF,FTS,IMQ; Habitat: T; Rejection Code: NO COC(PMR).
204. La Point, T. W., Zhavoronkova, O. D., and Pavlov, D. F. (1996). Impact of Permethrin on Zooplankton in High Latitude Experimental Ponds. *EPA/600/R-96/090, Problems of Aquatic Toxicology, Biotesting and Water Quality Management, Proc.of USA-Russia Symp., Jul.21-23, 1992, Borok, Jaroslavl, Oblast, U.S.EPA, Ecosyst.Res.Div., Athens, GA* 129-147.
- EcoReference No.: 77829
Chemical of Concern: PMR; Habitat: A; Effect Codes: POP; Rejection Code: NO ENDPOINT(PMR).
205. Leah, J. M., Caseley, J. C., Riches, C. R., and Valverde, B. E. (1997). Effect of Mono-oxygenase Inhibitors on Uptake, Metabolism and Phytotoxicity of Propanil in Resistant Biotypes of Jungle-Rice, *Echinochloa colona*. *Pestic.Sci.* 49: 141-147.
- Chemical of Concern: PPB,PPN; Habitat: T; Rejection Code: NO COC(PMR).
206. Leahey, J. P. and Carpenter, P. K. (1980). The Uptake of Metabolites of Permethrin by Plants Grown in Soil Treated with [14C]Permethrin. *Pestic.Sci.* 11: 279-289.
- EcoReference No.: 99892
Chemical of Concern: PMR; Habitat: T; Effect Codes: ACC; Rejection Code: NO ENDPOINT(PMR).
207. Lee, C. Y., Lee, L. C., Ang, B. H., and Chong, N. L. (1999). Insecticide Resistance in *Blattella germanica* (L.) (Dictyoptera: Blattellidae) from Hotels and Restaurants in Malaysia. In: *W.H.Robinson, R.Rettich, and G.Rambo (Eds.), Proc.3rd Int.Conf.on Urban Pests, Graficke Zavody Hronov, Czech Republic* 171-182.
- EcoReference No.: 77207
Chemical of Concern:
ES,DLD,DDT,PMSM,FNT,DZ,CPY,CPYM,MLN,CBL,PPX,BFT,PMR,DM,ACT,HMN,BDC;
Habitat: T; Effect Codes: MOR; Rejection Code: NO CONTROL(ALL CHEMS).
208. Lee, D. H., Tsunoda, K., and Takahashi, M. (1990). Laboratory Evaluation of Triiodoallyl Alcohol as a Wood Preservative. *Mater.Org.(Berl.)* 25: 145-159.
- EcoReference No.: 100319
Chemical of Concern: PMR,CPY; Habitat: T; Effect Codes: MOR,POP,GRO; Rejection Code: NO ENDPOINT(PMR,CPY).
209. Lee, H. L. and Singh, K. I. (1993). Studies on the Effect of Translocation of Chemical Insecticides in *Eichhornia* Host Plant on *Mansonia* Mosquitos - a Potential Control Method. *Southeast Asian J.Trop.Med.Public Health* 24: 105-109 .
- EcoReference No.: 100095
Chemical of Concern: TMP,PMR; Habitat: AT; Effect Codes: MOR; Rejection Code: NO

- ENDPOINT(PMR),OK(TMP).
210. Lee, K. and Berenbaum, M. R. (1990). Defense of Parsnip Webworm Against Phototoxic furanocoumarins: Role of Antioxidant Enzymes. *J.Chem.Ecol.* 16: 2451-2460.
- Chemical of Concern: PPB; Habitat: T; Rejection Code: NO COC(PMR).
211. Lee, S. H. and Clark, J. M. (1998). Permethrin Carboxylesterase Functions as Nonspecific Sequestration Proteins in the Hemolymph of Colorado Potato Beetle. *Pestic.Biochem.Physiol.* 62: 51-63.
- EcoReference No.: 64231
Chemical of Concern: PMR,PRN; Habitat: T; Effect Codes: MOR,BCM; Rejection Code: NO CONTROL(ALL CHEMS).
212. Leidy, R. B., Sheets, T. J., and Nelson, L. A. (1986). Residues of Fluvalinate and Permethrin on Flue-Cured Tobacco. *Beitr.Tabakforsch.Int.* 13: 191-204 .
- EcoReference No.: 100297
Chemical of Concern: FVL,PMR; Habitat: T; Effect Codes: ACC; Rejection Code: NO CONTROL(PMR,FVL).
213. Levot, G. W. (1995). In-Vivo Synergism of Cypermethrin by Piperonyl Butoxide in *Bovicola ovis* (L.) (Phthiraptera: Trichodectidae). *J.Aust.Entomol.Soc.* 34: 299-302.
- Chemical of Concern: PPB,CYP; Habitat: T; Rejection Code: TARGET(CYP),NO COC(PMR).
214. Li, W., Zhao, W., and Leng, X. (1995). Test for Residue of Permethrin in Fish. *Sinozoologia* 12: 133-137 (CHI) (ENG ABS).
- EcoReference No.: 18731
Chemical of Concern: PMR; Habitat: A; Effect Codes: ACC; Rejection Code: NO ENDPOINT,NO CONTROL(PMR).
215. Linden, E., Bengtsson, B. E., Svanberg, O., and Sundstrom, G. (1979). The Acute Toxicity of 78 Chemicals and Pesticide Formulations Against Two Brackish Water Organisms, the Bleak (*Alburnus alburnus*) and the Harpacticoid *Nitocra spinipes*. *Chemosphere* 8: 843-851 (Author Communication Used) (OECDG Data File).
- EcoReference No.: 5185
Chemical of Concern: DZM,DBN,DDT,24DXYBEE,FNV,GYP,Maneb,MCPA,PCP,MCPP1,CQTC,MCPA,PMR,TBTF,OTN,C10OH,Zn,NH,C8OH,24DXY; Habitat: A; Effect Codes: MOR; Rejection Code: LITE EVAL CODED(GYP,C8OH,MCPP1,PCP,C10OH,DZM,CQTC,DBAC,OTN),NO CONTROL(PMR,TBTF,24DXY,FNV,Maneb).
216. Lindquist, R. K., Simonet, D. E., and Krueger, H. R. (1980). Comparison of Permethrin Applied as a Foliar Spray and Root Soak for Cabbage Looper Control on Greenhouse Chrysanthemum Cuttings and Celery Transplants. *J.Econ.Entomol.* 73: 381-384.
- EcoReference No.: 99913
Chemical of Concern: PMR; Habitat: T; Effect Codes: ACC,MOR,BEH,GRO; Rejection Code: NO CONTROL(PMR).
217. Liu, W., Gan, J., Schlenk, D., and Jury, W. A. (2005). Enantioselectivity in Environmental Safety of Current Chiral Insecticides. *Proc.Natl.Acad.Sci.* 102: 701-706.

- EcoReference No.: 81377
 Chemical of Concern: PCPMR,PTPMR,PFF,FNF,BFT; Habitat: A; Effect Codes: MOR; Rejection Code: NO CONTROL(PCPMR,PTPMR).
218. Lockhart, W. L., Metner, D. A., Billeck, B. N., Rawn, G. P., and Muir, D. C. G. (1983). Bioaccumulation of Some Forestry Pesticides in Fish and Aquatic Plants. *In: W.Y.Garner, B.G.Billeck, and D.C.G.Muir (Eds.), Proc.Symp.Implications of Chemical and Biol.Agents in Forestry Applic., Chem.Soc.No.238* 297-318.
- EcoReference No.: 14588
 Chemical of Concern: PMR,FNT,PL,CN,FLU; Habitat: A; Effect Codes: ACC; Rejection Code: NO ENDPOINT(FNT,PL,CN),NO CONTROL(PMR,FLU).
219. Lutnicka, H., Bogacka, T., and Wolska, L. (1999). Degradation of Pyrethroids in an Aquatic Ecosystem Model. *Water Res.* 33: 3441-3446.
- EcoReference No.: 20618
 Chemical of Concern: CYP,BRSM,PMR,CPY,DM,FNV; Habitat: A; Effect Codes: ACC,BEH,BCM,POP,MOR; Rejection Code: LITE EVAL CODED(BRSM,CYP,FNV),NO CONTROL,NO ENDPOINT(CPY),NO ENDPOINT(PMR).
220. Magharaj, M., Venkateswarlu, K., and Rao, A. S. (1989). Interaction Effects of Insecticide Combinations on the Growth of *Scenedesmus bijugatus* and *Synechococcus elongatus*. *Plant Soil* 114: 159-164.
- EcoReference No.: 77487
 Chemical of Concern: CYP,PMR,CPY,FNV,EFV; Habitat: A; Effect Codes: POP; Rejection Code: NO ENDPOINT(ALL CHEMS).
221. Malcolm, C. A. (1990). Location of a Gene Conferring DDT Resistance but no Pyrethroid Cross-Resistance in Larvae of *Anopheles stephensi*. *Genetica* 82: 51-55.
- EcoReference No.: 100254
 Chemical of Concern: DDT; Habitat: A; Effect Codes: MOR; Rejection Code: NO COC(PMR).
222. Malcolm, C. A. (1988). Reduced Susceptibility to Permethrin and Its Relationship to DDT Resistance in Larvae of *Anopheles stephensi*. *Med.Vet.Entomol.* 2: 27-46.
- EcoReference No.: 798
 Chemical of Concern: PMR,DDT,PPB; Habitat: A; Effect Codes: PHY,POP; Rejection Code: NO MIXTURE(PPB),NO CONTROL(PMR,DDT).
223. Marking, L. L., Bills, T. D., and Crowther, J. R. (1984). Effects of Five Diets on Sensitivity of Rainbow Trout to Eleven Chemicals. *Prog.Fish-Cult.* 46: 1-5 .
- EcoReference No.: 10656
 Chemical of Concern: CI,TFM,CBL,PMR,ATM,MLN,CN,CuS,RTN,Cu; Habitat: A; Effect Codes: MOR; Rejection Code: NO CONTROL(ALL CHEMS),LITE EVAL CODED(OW-TRV-Cu).
224. Mathur, S. P., Belanger, A., Hamilton, H. A., and Khan, S. U. (1980). Influence on Microflora and Persistence of Field-Applied Disulfoton, Permethrin and Prometryne in an Organic Soil. *Pedobiologia* 20: 237-242.
- EcoReference No.: 95542
 Chemical of Concern: DS,PMR,PMT; Habitat: T; Effect Codes: POP; Rejection Code: NO

ENDPOINT(DS,PMR).

225. Mayer, F. L. Jr. and Ellersieck, M. R. (1986). Manual of Acute Toxicity: Interpretation and Data Base for 410 Chemicals and 66 Species of Freshwater Animals. *Resour.Publ.No.160, U.S.Dep.Interior, Fish Wildl.Serv., Washington, DC* 505 p. (USGS Data File).

EcoReference No.: 6797

Chemical of Concern:

EDT,RSM,SZ,24DXY,ACP,ACR,ADC,ATM,ATN,ATZ,AZ,BS,CaPS,Captan,CBF,CBL,CMPH,CQT
C,CPY,CuS,DBN,DFZ,DMB,DMT,DOD,DPDP,DS,DU,DZ,FO,GYP,HCCH,HXZ,IGS,LNR,MBZ,M
CPB,MDT,MLN,MLT,MOM,MP,MTL,NaN3,Naled,OYZ,PCP,PEB,PAQT,PRT,PSM,Folpet,PYN,C
YT,DMM,EFS,NAA,NTP,PMR,PPB,TFN,WFN,RSM,RTN,ALSV,Se,DBAC,Zn,As,MTPN,DCB,MT
AS,OXD,PEPPG,TBF,CPYM,FLU,PPG,EPTC; Habitat: A; Effect Codes: MOR,PHY; Rejection
Code: LITE EVAL
CODED(MTAS,MTPN,DCB,DZ,IGS,ATZ,MTL,MLT,CBF,ADC,MOM,PPB,SZ,DMT,WFN,RTN,C
uS, DOD,NaN3,DMB,RSM,CaPS,MCPB,
NaPCP,PCP,AMSV,ALSV,PRT,ATM,CQTC,ATN,DBAC),NO
CONTROL(PMR,EPTC,PPG,GYP,LNR,PSM,DS,FLU,OYZ,24DXY,DPDP,CPYM,CPY,PEPPG,MP,
Naled,BS,OXD,Captan,MLN,HXZ,TBF).

226. McLeese, D. W., Metcalfe, C. D., and Zitko, V. (1980). Lethality of Permethrin, Cypermethrin and Fenvalerate to Salmon, Lobster and Shrimp. *Bull.Environ.Contam.Toxicol.* 25: 950-955.

EcoReference No.: 5186

Chemical of Concern: CYP,PMR,FNV; Habitat: A; Effect Codes: ACC,MOR; Rejection Code: NO
CONTROL(CYP,PMR,FNV).

227. Mebrahtu, Y. B., Norem, J., and Taylor, M. (1997). Inheritance of Larval Resistance to Permethrin in *Aedes aegypti* and Association with Sex Ratio Distortion and Life History Variation. *Am.J.Trop.Med.Hyg.* 56: 456-465.

EcoReference No.: 72818

Chemical of Concern: PMR; Habitat: A; Effect Codes: MOR,REP,POP; Rejection Code: NO
CONTROL(PMR).

228. Mikami, N., Yoshimura, J., Kaneko, H., Yamada, H., and Miyamoto, J. (1985). Metabolism in Rats of 3-Phenoxybenzyl Alcohol and 3-Phenoxybenzoic Acid Glucoside Conjugates Formed in Plants. *Pestic.Sci.* 16: 33-45.

EcoReference No.: 91545

Chemical of Concern: PBA; Habitat: T; Effect Codes: ACC; Rejection Code: NO
CONTROL,ENDPOINT(PBA).

229. Miller, A. C. K., Dwyer, L. D., Auerbach, C. E., Miley, F. B., Dinsdale, D., and Malkinson, A. M. (1994). Strain-Related Differences in the Pneumotoxic Effects of Chronically Administered Butylated Hydroxytoluene on Protein Kinase C and Calpain. *Toxicology* 90: 141-159.

EcoReference No.: 75140

Chemical of Concern: PPB; Habitat: T; Effect Codes: CEL,BCM; Rejection Code: NO
MIXTURE(PPB),NO COC(PMR).

230. Mitcham, R. P. and Shelley, M. W. (1980). The Control of Animals in Water Mains Using Permethrin, a Synthetic Pyrethroid. *J.Inst.Water Eng.Sci.* 34: 474-483.

EcoReference No.: 5187

Chemical of Concern: PMR,PYT; Habitat: A; Effect Codes: MOR; Rejection Code: NO

- ENDPOINT(PMR).
231. Miyamoto, J. (1976). Degradation, Metabolism and Toxicity of Synthetic Pyrethroids. *Environ.Health Perspect.* 14: 15-28.
- EcoReference No.: 39852
 Chemical of Concern: ATN,TMT,RSM,PMR; Habitat: AT; Effect Codes: PHY,MOR,GRO;
Rejection Code: NO CONTROL (ALL CHEMS).
232. Miyaoka, T., Yamashita, E., Hasegawa, T., Akiyama, M., Tsuda, S., and Shirasu, Y. (1990). Mechanism of 1,3-Dichloropropene-Induced Hepatotoxicity in Mice. *J.Pestic.Sci.* 15: 419-425.
- EcoReference No.: 75206
 Chemical of Concern: 13DPE,PPB; Habitat: T; Effect Codes: BCM,ACC; Rejection Code: LITE EVAL CODED(13DPE),NO MIXTURE(PPB),NO COC(PMR).
233. Mizutani, T., Nakahori, Y., and Yamamoto, K.-I. (1994). p-Dichlorobenzene-Induced Hepatotoxicity in Mice Depleted of Glutathione by Treatment with Buthionine Sulfoximine. *Toxicology* 94: 57-67.
- EcoReference No.: 75110
 Chemical of Concern: PPB,DCB,PCB; Habitat: T; Effect Codes: BCM; Rejection Code: LITE EVAL CODED(DCB),NO MIXTURE(PPB)//NO MIXTURE,RESIDUE(PCB),NO COC(PMR).
234. Mizutani, T., Nomura, H., Nakanishi, K., and Fujita, S. (1987). Effects of Drug Metabolism Modifiers on Pulegone-Induced Hepatotoxicity in Mice. *Res.Commun.Chem.Pathol.Pharmacol.* 58: 75-84.
- Chemical of Concern: PPB,CBNDS; Habitat: T; Rejection Code: NO FATE,NO COC(PMR).
235. Mizutani, T., Satoh, K., Nomura, H., and Nakanishi, K. (1991). Hepatotoxicity of Eugenol in Mice Depleted of Glutathione by Treatment with DL-Buthionine Sulfoximine. *Res.Commun.Chem.Pathol.Pharmacol.* 71: 219-230.
- EcoReference No.: 75497
 Chemical of Concern: PPB; Habitat: T; Effect Codes: MOR,PHY,BCM,GRO; Rejection Code: NO MIXTURE(PPB),NO COC(NAPH,PMR).
236. Mlynarcikova, H., Legath, J., and Sokol, J. (1995). Chronic Influence of Pyrethroid Supermethrin on Some Reproductive Features in Japanese Quail (140 Days Long Avian Reproduction Test). *Center Eur.J.Public Health* 3: 132-133.
- EcoReference No.: 40373
 Chemical of Concern: CYP; Habitat: T; Effect Codes: GRO,ACC,BEH,PHY; Rejection Code: NO ENDPOINT(CYP),NO COC(PMR).
237. Mokry, L. E. and Hoagland, K. D. (1990). Acute Toxicities of Five Synthetic Pyrethroid Insecticides to *Daphnia magna* and *Ceriodaphnia dubia*. *Environ.Toxicol.Chem.* 9: 1045-1051.
- EcoReference No.: 85
 Chemical of Concern: CYF,PMR,PYT,LCYT,BFT,TLM; Habitat: A; Effect Codes: MOR;
Rejection Code: LITE EVAL CODED(BFT,CYF),NO CONTROL(PMR),OK(PYT,LCYT,TLM).
238. Morgan, M. B. and Snell, T. W. (2002). Characterizing Stress Gene Expression in Reef-Building Corals Exposed to the Mosquitoside Dibrom. *Mar.Pollut.Bull.* 44: 1206-1218.
- EcoReference No.: 83901
 Chemical of Concern: NAPH,Hg,Cu,PMR,HCCH,Naled; Habitat: A; Effect Codes: CEL; Rejection

Code: NO ENDPOINT(ALL CHEMS).

239. Morgan, M. B., Vogelien, D. L., and Snell, T. W. (2001). Assessing Coral Stress Responses Using Molecular Biomarkers of Gene Transcription. *Environ.Toxicol.Chem.* 20: 537-543.
- EcoReference No.: 60023
Chemical of Concern: Cu,PMR; Habitat: A; Effect Codes: CEL; Rejection Code: NO ENDPOINT(Cu,PMR).
240. Mostafa, A. A. and Allam, K. A. M. (2001). Studies on the Present Status of Insecticides Resistance on Mosquitoes Using the Diagnostic Dosages in El-Fayium Governorate, a Spot Area of Malaria in Egypt. *J.Egypt.Soc.Parasitol.* 31: 177-186.
- EcoReference No.: 100283
Chemical of Concern: FNTH,DZ,TMP,CYP,PMR,DM,PPX,FNT,MLN; Habitat: AT; Effect Codes: MOR; Rejection Code: NO CONTROL(DZ,TMP,CYP,PMR,MLN).
241. Moussa, M., Iskander, K. G., and Gorgy, A. A. (1989). Scanning Electron Microscopic Investigation on the Effect of Chronic Toxicity of Permethrin on the Tongue Papillae of Albino Rats. *Egypt.Dent.J.* 35: 107-115.
- EcoReference No.: 100125
Chemical of Concern: PMR; Habitat: T; Effect Codes: CEL; Rejection Code: NO ENDPOINT(PMR).
242. Muir, D. C. G., Hobden, B. R., and Servos, M. R. (1994). Bioconcentration of Pyrethroid Insecticides and DDT by Rainbow Trout: Uptake, Depuration, and Effect of Dissolved Organic Carbon. *Aquat.Toxicol.* 29: 223-240.
- EcoReference No.: 16993
Chemical of Concern: DM,PYT,EFV,PMR; Habitat: A; Effect Codes: ACC; Rejection Code: NO CONTROL(PMR).
243. Muir, D. C. G., Rawn, G. P., Townsend, B. E., Lockhart, W. L., and Greenhalgh, R. (1985). Bioconcentration of Cypermethrin, Deltamethrin, Fenvalerate and Permethrin by Chironomus tentans Larvae in Sediment and Water. *Environ.Toxicol.Chem.* 4: 51-61.
- EcoReference No.: 10582
Chemical of Concern: CYP,DM,FNV,PMR; Habitat: A; Effect Codes: ACC; Rejection Code: NO ENDPOINT(CYP,DM,FNV),NO CONTROL(PMR).
244. Muir, D. C. G., Townsend, B. E., and Lockhart, W. L. (1983). Bioavailability of Six Organic Chemicals to Chironomus tentans Larvae in Sediment and Water. *Environ.Toxicol.Chem.* 2: 269-282.
- EcoReference No.: 9460
Chemical of Concern: PMR; Habitat: A; Rejection Code: NO ENDPOINT,NO CONTROL(PMR).
245. Muirhead-Thomson, R. C. (1977). Comparative Tolerance Levels of Black Fly (Simulium) Larvae to Permethrin (NRDC 143) and Temephos. *Mosq.News* 37: 172-179 .
- EcoReference No.: 8257
Chemical of Concern: ABT,PMR; Habitat: A; Effect Codes: MOR,POP; Rejection Code: NO ENDPOINT,NO CONTROL(PMR),OK(ABT).
246. Muirhead-Thomson, R. C. (1979). Experimental Studies on Macroinvertebrate Predator-Prey Impact of Pesticides. The Reactions of Rhyacophila and Hydropsyche (Trichoptera) Larvae to Simulium

- Larvicides. *Can.J.Zool.* 57: 2264-2270.
- EcoReference No.: 5157
 Chemical of Concern: PMR,TMP,CPY,CPYM; Habitat: A; Effect Codes: MOR; Rejection Code: OK(TMP),NO ENDPOINT,NO CONTROL(CPY,CPYM,PMR).
247. Mulla, M. S. (1980). New Synthetic Pyrethroids - Effective Mosquito Larvicides. *Proc.Pap.Annu.Conf.Calif.Mosq.Vector Control Assoc.* 48: 92-93.
- EcoReference No.: 66468
 Chemical of Concern: PYT,PMR,PYN,RSM,SMT,EPRN,MP,ATN,BRSM,DCM,FNV,TMT ;
Habitat: A; Effect Codes: MOR; Rejection Code: NO CONTROL(ALL CHEMS) .
248. Mulla, M. S., Darwazeh, H. A., and Dhillon, M. S. (1981). Impact and Joint Action of Decamethrin and Permethrin and Freshwater Fishes on Mosquitoes. *Bull.EnvIRON.Contam.Toxicol.* 26: 689-695.
- EcoReference No.: 13447
 Chemical of Concern: PMR,DCM; Habitat: A; Effect Codes: POP; Rejection Code: NO ENDPOINT(PMR).
249. Mulla, M. S., Darwazeh, H. A., and Majori, G. (1975). Field Efficacy of Some Promising Mosquito Larvicides and Their Effects on Nontarget Organisms. *Mosq.News* 35: 179-185.
- EcoReference No.: 15063
 Chemical of Concern: PMR; Habitat: A; Effect Codes: POP; Rejection Code: NO ENDPOINT(PMR).
250. Mulla, M. S., Navvab-Gojrati, H. A., and Darwazeh, H. A. (1978). Biological Activity and Longevity of New Synthetic Pyrethroids Against Mosquitoes and Some Nontarget Insects. *Mosq.News* 38: 90-96.
- EcoReference No.: 5678
 Chemical of Concern: CYP,DM,FPP,PMR,PYT; Habitat: A; Effect Codes: MOR,POP; Rejection Code: NO CONTROL(CYP,DM,FPP,PYT),NO ENDPOINT,NO CONTROL(PMR).
251. Mulla, M. S., Navvab-Gojrati, H. A., and Darwazeh, H. A. (1978). Toxicity of Mosquito Larvicidal Pyrethroids to Four Species of Freshwater Fishes. *Environ.Entomol.* 7: 428-430.
- EcoReference No.: 699
 Chemical of Concern: CYP,DM,PMR,PYT; Habitat: A; Effect Codes: MOR; Rejection Code: LITE EVAL CODED(CYP),OK(DM,PYT),NO CONTROL(PMR).
252. Nakagawa, Y., Smagghe, G., Tirry, L., and Fujita, T. (2002). Quantitative Structure-Activity Studies of Insect Growth Regulators: XIX. Effects of Substituents on the Aromatic Moiety of Dibenzoylhydrazines on Larvicidal Activity Against the Beet Armyworm Spodoptera exigua. *Pest Manag.Sci.* 58: 131-138.
- Chemical of Concern: PPB; Habitat: T; Rejection Code: NO COC(PMR).
253. Nayak, A. K., Das, B. K., Kohli, M. P. S., and Mukherjee, S. C. (2004). The Immunosuppressive Effect of alpha-Permethrin on Indian Major Carp, Rohu (*Labeo rohita* Ham.). *Fish Shellfish Immunol.* 16: 41-50.
- EcoReference No.: 72404; Habitat: A; Effect Codes: BCM,MOR,PHY; Rejection Code: NO COC(PMR).
254. Nazni, W. A., Lee, H. L., and Sa'diyah, I. (1998). Rate of Resistance Development in Wild Culex

- quinquefasciatus (Say) Selected by Malathion and Permethrin. *Southeast Asian J.Trop.Med.Public Health* 29: 849-855.
- EcoReference No.: 74455
Chemical of Concern: MLN,PMR; Habitat: A; Effect Codes: BCM,MOR; Rejection Code: NO COC(MLT,CST),NO CONTROL(MLN,PMR).
255. Nemeth, I. and Gayer, E. K. (1984). Study of Some Pyrethroids in Relation to Their Toxicity to Fish. *Novenyvedelem* 20(6):249-255 (HUN) / *C.A.Sel.-Environ.Pollut.* 21(101):124482g / I.Nemeth and B.Penzes, *Die Wirkung von Synthetischem Piretroide-Wirtestaff Haltigen Insektiziden auf Fische, Manuscript (GER) (Author Communication Used)*.
- EcoReference No.: 11848
Chemical of Concern: PMR,PYT; Habitat: A; Effect Codes: MOR; Rejection Code: NO CONTROL(PMR),NO FOREIGN(PYT).
256. Netrawali, M. S., Gandhi, S. R., and Pednekar, M. D. (1986). Effect of Endosulfan, Malathion, and Permethrin on Sexual Life Cycle of *Chlamydomonas reinhardtii*. *Bull. Environ. Contam. Toxicol.* 36 : 412-420.
- EcoReference No.: 11726
Chemical of Concern: MLN,PMR,ES; Habitat: A; Effect Codes: REP; Rejection Code: NO ENDPOINT(MLN,PMR,ES).
257. Newton, J. and Coombes, D. S. (1987). A Comparison of a Range of Novel and Conventional Insecticides for Pharaoh's Ant Control. *Int.Pest Control* 29: 45-47.
- EcoReference No.: 99840
Chemical of Concern: BRA,PMR,HCCH,DZ,CHD,BDC,AV; Habitat: T; Effect Codes: POP; Rejection Code: NO ENDPOINT(PMR,DZ).
258. Nilsson, U. and Orlander, G. (1999). Vegetation Management on Grass-Dominated Clearcuts Planted with Norway Spruce in Southern Sweden. *Can.J.For.Res.* 29: 1015-1026.
- EcoReference No.: 99354
Chemical of Concern: GYP; Habitat: T; Effect Codes: GRO; Rejection Code: TARGET(GYP),NO COC(PMR).
259. Nishiuchi, Y., Iwamura, H., and Asano, K. (1986). Toxicity of Pesticides to Some Aquatic Animals. VI. Acute Toxicity of Latest Registered Pesticides to Some Aquatic Animals. *Aquat.Ecol.Chem./Seitai Kagaku* 8(1):13-15 (1985) (JPN) / *C.A.Sel.-Environ.Pollut.* 3: 104-30076N.
- EcoReference No.: 9965
Chemical of Concern: PMR,SXD; Habitat: A; Effect Codes: MOR; Rejection Code: NO CONTROL(PMR),NO FOREIGN.
260. Nishiwaki, H., Nakagawa, Y., Ueno, T., Kagabu, S., and Nishimura, K. (2001). Insecticidal and Binding Activities of N3-Substituted Imidacloprid Derivatives Against the Housefly *Musca domestica* and the alpha-Bungarotoxin Binding Sites of Nicotinic Acetylcholine Receptors. *Pest Manag.Sci.* 57: 810-814.
- Chemical of Concern: PPB,NCTN; Habitat: T; Rejection Code: TARGET(NCTN),NO COC(PMR).
261. Nolan, J., Roulston, W. J., and Wharton, R. H. (1977). Resistance to Synthetic Pyrethroids in a DDT-Resistant Strain of *Boophilus microplus*. *Pestic.Sci.* 8: 484-486.

- EcoReference No.: 71057
 Chemical of Concern: DDT,CYP,PMR,PYT,FNV; Habitat: T; Effect Codes: POP; Rejection Code: NO ENDPOINT(ALL CHEMS),TARGET(FNV).
262. Nord, J. C., DeBarr, G. L., Barber, L. R., Weatherby, J. C., and Overgaard, N. A. (1985). Low-Volume Applications of Azinphosmethyl, Fenvalerate, and Permethrin for Control of Coneworms (Lepidoptera: Pyralidae) and Seed Bugs (Hemiptera: Coreidae and Pentatomidae) in Southern Pine Seed Orchards. *J.Econ.Entomol.* 78: 445-450.
- EcoReference No.: 93003
 Chemical of Concern: AZ,PMR,FNV; Habitat: T; Effect Codes: POP,REP; Rejection Code: NO ENDPOINT(AZ,PMR,FNV).
263. Norris, R. L. G., Seawright, A. A., Shaw, G. R., Senogles, P., Eaglesham, G. K., Smith, M. J., Chiswell, R. K., and Moore, M. R. (2002). Hepatic Xenobiotic Metabolism of Cyindrospermopsin In Vivo in the Mouse. *Toxicol* 40: 471-476 .
- EcoReference No.: 75145
 Chemical of Concern: PPB; Habitat: T; Effect Codes: MOR,BCM; Rejection Code: NO ENDPOINT,MIXTURE(PPB),NO COC(PMR).
264. Nowakowski, Z. (1982). Effects of the Two Synthetic Pyrethroids on European Mite (Panonychus ulmi Koch). *Fruit Sci.Rep.* 9: 29-38.
- EcoReference No.: 71046
 Chemical of Concern: PMR,FPP,PYT,PHSL; Habitat: T; Effect Codes: POP; Rejection Code: NO CONTROL,ENDPOINT(ALL CHEMS).
265. Ohkawa, H., Kaneko, H., and Miyamoto, J. (1977). Metabolism of Permethrin in Bean Plants. *J.Pestic.Sci.* 2: 67-76.
- EcoReference No.: 28302
 Chemical of Concern: PMR; Habitat: T; Effect Codes: ACC; Rejection Code: NO ENDPOINT,NO CONTROL(PMR).
266. Osaba, L., Aguirre, A., Alonso, A., and Graf, U. (1999). Genotoxicity Testing of Six Insecticides in Two Crosses of the Drosophila Wing Spot Test. *Mutat.Res.* 439: 49-61.
- EcoReference No.: 93197
 Chemical of Concern: DMBA,PAH,NSO,DLD,MLN,PPB,EN,DMT; Habitat: T; Effect Codes: CEL; Rejection Code: NO COC(ANT,PMR),TARGET(DMT,MLN),OK(PPB).
267. Ossola, J. O., Kristoff, G., and Tomaro, M. L. (2000). Heme Oxygenase Induction by Menadione Bisulfite Adduct-Generated Oxidative Stress in Rat Liver. *Comp.Biochem.Physiol.C* 127: 91-99.
- EcoReference No.: 57019; Habitat: T; Effect Codes: BCM; Rejection Code: NO COC(PMR).
268. Osuna, M. D., Vidotto, F., Fischer, A. J., Bayer, D. E., De Prado, R., and Ferrero, A. (2002). Cross-Resistance to Bispyribac-Sodium and Bensulfuron-Methyl in Echinochloa phyllopogon and Cyperus difformis. *Pestic.Biochem.Physiol.* 73: 9-17.
- EcoReference No.: 74913
 Chemical of Concern: PPB,BP,BSFM; Habitat: T; Effect Codes: GRO; Rejection Code: NO MIXTURE(PPB),NO COC(PMR).
269. Owiny, J. R. and French, E. D. (2000). Ectoparasites in a Pigeon Colony. *Comp.Med.* 50: 229-230.

- EcoReference No.: 99608
 Chemical of Concern: PMR; Habitat: T; Effect Codes: POP; Rejection Code: NO CONTROL(PMR).
270. Panella, N. A., Karchesy, J., Maupin, G. O., Malan, J. C. S., and Piesman, J. (1997). Susceptibility of Immature Ixodes scapularis (Acari: Ixodidae) to Plant-Derived Acaricides. *J.Med.Entomol.* 34: 340-345.
- EcoReference No.: 99837
 Chemical of Concern: LIM; Habitat: T; Effect Codes: MOR; Rejection Code: NO COC(PMR).
271. Payne, N., Helson, B., Sundaram, K., Kingsbury, P., Fleming, R., and DeGroot, P. (1986). Estimating the Buffer Required Around Water During Permethrin Applications. *Rep.No.FPM-X-70, Gov.of Canada, Forest Pest Manag.Inst., Can.For.Serv., Sault Ste.Marie, Ontario, Canada* 26 p.
- EcoReference No.: 12852
 Chemical of Concern: PMR; Habitat: A; Effect Codes: MOR; Rejection Code: NO CONTROL(PMR).
272. Phillips, J. C., Price, R. J., Cunninghame, M. E., Osimitz, T. G., Cockburn, A., Gabriel, K. L., Preiss, F. J., Butler, W. H., and Lake, B. G. (1997). Effect of Piperonyl Butoxide on Cell Replication and Xenobiotic Metabolism in the Livers of CD-1 Mice and F344 Rats. *Fundam.Appl.Toxicol.* 38: 64-74.
- EcoReference No.: 74869
 Chemical of Concern: PPB; Habitat: T; Effect Codes: GRO,CEL,BEH,BCM; Rejection Code: LITE EVAL CODED(PPB),NO COC(PMR).
273. Poirier, D. G. and Surgeoner, G. A. (1988). Evaluation of a Field Bioassay Technique to Predict the Impact of Aerial Applications of Forestry Insecticides on Stream Invertebrates. *Can.Entomol.* 120: 627-637.
- EcoReference No.: 9657
 Chemical of Concern: PMR,FNT; Habitat: A; Effect Codes: BEH,MOR,POP; Rejection Code: NO ENDPOINT,NO CONTROL(PMR),OK(FNT).
274. Powers, K. A., Hooser, S. B., Sundberg, J. P., and Beasley, V. R. (1988). An Evaluation of the Acute Toxicity of an Insecticidal Spray Containing Linalool, D-Limonene, and Piperonyl Butoxide Applied Topically to Domestic Cats. *Vet.Hum.Toxicol.* 30: 206-210.
- EcoReference No.: 75492
 Chemical of Concern: PPB,LIM,LIN; Habitat: T; Effect Codes: PHY,CEL,BCM; Rejection Code: OK(PPB),NO MIXTURE(LIM),NO COC(PMR).
275. Prater, M. R., Blaylock, B. L., and Holladay, S. D. (2005). Combined Dermal Exposure to Permethrin and cis-Urocanic Acid Suppresses the Contact Hypersensitivity Response in C57BL/6N Mice in an Additive Manner. *J.Photochem.Photobiol.B* 78: 29-34.
- EcoReference No.: 99726
 Chemical of Concern: PMR; Habitat: T; Effect Codes: BCM,GRO; Rejection Code: NO MIXTURE(PMR).
276. Pruett, J. H., Oehler, D. D., Kammlah, D. M., and Guerrero, F. D. (2000). Evaluation of Horn Flies (Diptera: Muscidae) from a Pyrethroid Susceptible Colony for General and Permethrin Esterase Activities. *J.Econ.Entomol.* 93: 920-924 .

- EcoReference No.: 58568
Chemical of Concern: PMR,PYT; Habitat: T; Effect Codes: MOR,BCM; Rejection Code: NO CONTROL(PMR).
277. Pulman, D. A., Smith, I. H., Larkin, J. P., and Casida, J. E. (1996). Heterocyclic Insecticides Acting at the GABA-Gated Chloride Channel: 5-alkyl-2-Arylpyrimidines and -1,3-Thiazines. *Pestic.Sci.* 46: 237-245.
- Chemical of Concern: PPB; Habitat: T; Rejection Code: NO COC(PMR).
278. Radvanyi, A., Weaver, P., Massari, C., Bird, D., and Broughton, E. (1988). Effects of Chlorophacinone on Captive Kestrels. *Bull.EnvIRON.Contam.Toxicol.* 41: 441-448.
- EcoReference No.: 39765
Chemical of Concern: CPC; Habitat: T; Effect Codes: GRO,MOR,PHY; Rejection Code: LITE EVAL CODED(CPC),NO COC(PMR).
279. Rao, G. R and Dhingra, S. (1997). Synergistic Activity of Some Vegetable Oils in Mixed Formulations with Cypermethrin Against Different Instars of *Spodoptera litura* (Fabricius). *J.Entomol.Res.(New Delhi)* 21: 153-160.
- Chemical of Concern: PPB,AZD,CYP; Habitat: T; Rejection Code: TARGET(AZD,CYP),NO COC(PMR).
280. Rao, G. V. and Rao, K. S. J. (1995). Modulation in Acetylcholinesterase of Rat Brain by Pyrethroids In Vivo and an In Vitro Kinetic Study. *J.Neurochem.* 65: 2259-2266.
- EcoReference No.: 76912
Chemical of Concern: CYP,PMR; Habitat: T; Effect Codes: BCM; Rejection Code: NO ENDPOINT(ALL CHEMS).
281. Rao, I. G. and Singh, D. K. (2001). Combinations of *Azadirachta indica* and *Cedrus deodara* Oil with Piperonyl Butoxide, MGK-264 and *Embelia ribes* Against *Lymnaea acuminata*. *Chemosphere* 44: 1691-1695.
- EcoReference No.: 74934
Chemical of Concern: PPB,AZD; Habitat: A; Effect Codes: MOR; Rejection Code: NO MIXTURE(PPB),LITE EVAL CODED(AZD),NO COC(PMR).
282. Rawn, G. P., Webster, G. R. B., and Muir, D. C. G. (1980). Bioactivity and Degradation of Permethrin in Artificial Pools. In: *J.F.Klaverkamp, S.L.Leonhard, and K.E.Marshall (Eds.), Proc.6th Annual Aquatic Toxicity Workshop, Nov.6-7, 1979, Winnipeg, Manitoba, Can.Tech.Rep.Fish.Aquat.Sci.No.975* 140-149.
- EcoReference No.: 13881
Chemical of Concern: PMR; Habitat: A; Effect Codes: ACC; Rejection Code: NO ENDPOINT(PMR).
283. Rawn, G. P. , Webster, G. R. B., and Muir, D. C. G. (1982). Fate of Permethrin in Model Outdoor Ponds. *J.EnvIRON.Sci.Health Part B* 17: 463-486.
- EcoReference No.: 11912
Chemical of Concern: PMR; Habitat: A; Effect Codes: ACC; Rejection Code: NO ENDPOINT(PMR).
284. Reddy, P. M., Naik, S. S., and Bashamohideen, M. (1995). Toxicity of Cypermethrin and Permethrin

- to Fish *Cyprinus carpio*. *Environ.Ecol.* 13: 30-33.
- EcoReference No.: 17577
 Chemical of Concern: CYP,PMR; Habitat: A; Effect Codes: MOR; Rejection Code: NO CONTROL(CYP,PMR).
285. Reifenrath, W. G. (2007). Enhanced Skin Absorption and Fly Toxicity of Permethrin in Emulsion Formulation. *Bull.Environ.Contam.Toxicol.* 78: 299-303.
- EcoReference No.: 99105
 Chemical of Concern: DEET,PMR; Habitat: T; Effect Codes: MOR,BEH; Rejection Code: NO ENDPOINT(PMR,DEET).
286. Reissig, H., Dunham, M., and Smith, C. (1999). Comparison of Insecticides Against OBLR, 1998. *Arthropod Manag.Tests* 24: 37-40 (A27).
- EcoReference No.: 88134
 Chemical of Concern: TUZ,MFZ,EMMB,EFV,CPY; Habitat: T; Effect Codes: POP; Rejection Code: TARGET(EFV),TARGET(CPY),NO COC(PMR).
287. Rettich, F. (1980). Field Evaluation of Permethrin and Decamethrin Against Mosquito Larvae and Pupae (Diptera, Culicidae). *Acta Entomol.Bohemoslov.* 77: 89-96.
- EcoReference No.: 5828
 Chemical of Concern: PMR,DCM; Habitat: A; Effect Codes: POP,MOR; Rejection Code: NO ENDPOINT,NO CONTROL(PMR),OK(DCM).
288. Rettich, F. (1980). Residual Toxicity of Wall-Sprayed Organophosphates, Carbamates and Pyrethroids to Mosquito *Culex pipiens molestus* Forskal. *J.Hyg.Epidemiol.Microbiol.Immunol.* 24: 110-117.
- EcoReference No.: 70015
 Chemical of Concern: RSM,SZ,CPY,CBL,PMR,DMT; Habitat: T; Effect Codes: MOR; Rejection Code: NO ENDPOINT,CONTROL(ALL CHEMS),TARGET(CBL, DMT,CPY).
289. Rettich, F. (1980). The Use of Permethrin (NRDC 143) in Pre-Seasonal Treatment of Mosquito Breeding Sites. *Folia Parasitol.* 27: 265-268.
- EcoReference No.: 4211
 Chemical of Concern: PMR,PIRM,FNT; Habitat: A; Effect Codes: POP; Rejection Code: NO ENDPOINT(ALL CHEMS).
290. Rey, D., David, J. P., Cuany, A., Amichot, M., and Meyran, J. C. (2000). Differential Sensitivity to Vegetable Tannins in Planktonic Crustacea from Alpine Mosquito Breeding Sites. *Pestic.Biochem.Physiol.* 67: 103-113.
- EcoReference No.: 74907
 Chemical of Concern: PPB,TBF; Habitat: A; Effect Codes: BCM,CEL; Rejection Code: NO MIXTURE(PPB),NO COC(PMR).
291. Richmond, C. R. (1980). Retention and Excretion of Radionuclides of the Alkali Metals by Five Mammalian Species. *Health Phys.* 38: 1111-1153.
- EcoReference No.: 38505
 Chemical of Concern: PMR; Habitat: T; Effect Codes: ACC; Rejection Code: NO CONTROL,NO ENDPOINT(PMR).

292. Richmond, C. R., Furchner, J. E., Trafton, G. A., and Langham, W. H. (1962). Comparative Metabolism of Radionuclides in Mammals-I. Uptake and Retention of Orally Administered Zn65 by Four Mammalian Species. *Health Phys.* 8: 481-489.
- EcoReference No.: 67072
Chemical of Concern: ZnCl2; Habitat: T; Effect Codes: ACC,GRO; Rejection Code: NO COC(PMR),NO ENDPOINT(ZnCl2).
293. Rieth, J. P. and Levin, M. D. (1989). Repellency of Two Phenylacetate-Ester Pyrethroids to the Honeybee. *J.Apic.Res.* 28: 175-179.
- EcoReference No.: 92822
Chemical of Concern: FYT,FNV; Habitat: T; Effect Codes: BEH; Rejection Code: LITE EVAL CODED(FNV),NO COC(PMR).
294. Roberts, R. H. and Zimmerman, J. H. (1980). Chigger Mites: Efficacy of Control with Two Pyrethroids. *J.Econ.Entomol.* 73: 811-812.
- EcoReference No.: 72007
Chemical of Concern: PMR,PYT,PPX; Habitat: T; Effect Codes: POP; Rejection Code: NO ENDPOINT(ALL CHEMS).
295. Rock, G. C. (1979). Relative Toxicity of Two Synthetic Pyrethroids to a Predator Amblyseius fallacis and Its Prey Tetranychus urticae. *J.Econ.Entomol.* 72: 293-294.
- EcoReference No.: 72009
Chemical of Concern: PMR,PYT,PRN,FNV; Habitat: T; Effect Codes: MOR; Rejection Code: NO CONTROL(ALL CHEMS).
296. Sakr, S. A. and Gabr, S. A. (1992). Ultrastructural Changes Induced by Diazinon and Neopybutrin in Skeletal Muscles of Tilapia nilotica. *Bull.EnvIRON.Contam.Toxicol.* 48: 467-473.
- EcoReference No.: 5008
Chemical of Concern: DZ,PMR; Habitat: A; Effect Codes: CEL; Rejection Code: NO ENDPOINT(DZ,PMR).
297. Sances, F. V., Gaston, L. K., Campos, R., Dusch, M., and Toscano, N. C. (1993). Multiple Insecticide Treatments Affect Harvest Residues of Lettuce. *J.Econ.Entomol.* 86: 1781-1785.
- EcoReference No.: 74135
Chemical of Concern: MOM,MVP,PMR; Habitat: T; Effect Codes: ACC; Rejection Code: NO ENDPOINT(MOM,MVP,PMR).
298. Sances, F. V., Toscano, N. C., and Gaston, L. K. (1992). Minimization of Pesticide Residues on Head Lettuce: Within-Head Residue Distribution of Selected Insecticides. *J.Econ.Entomol.* 85: 202-207.
- EcoReference No.: 99651
Chemical of Concern: PMR,MVP,MOM,MTM,ES,CYP,ACP; Habitat: T; Effect Codes: ACC,GRO; Rejection Code: NO CONTROL(PMR,MVP,MOM,MTM,ES,CYP,ACP).
299. Sanchez-Fortun, S. and Barahona, M. V. (2005). Comparative Study on the Environmental Risk Induced by Several Pyrethroids in Estuarine and Freshwater Invertebrate Organisms. *Chemosphere* 59: 553-559.
- EcoReference No.: 81951
Chemical of Concern: PMR,RSM,CYP; Habitat: A; Effect Codes: MOR; Rejection Code: NO

CONTROL(ALL CHEMS).

300. Sanchez, S., Small, J., Jones, D. G., and McKellar, Q. A. (2002). Plasma Achiral and Chiral Pharmacokinetic Behaviour of Intravenous Oxfendazole Co-Administered with Piperonyl Butoxide in Sheep. *J.Vet.Pharmacol.Ther.* 25: 7-13.
- EcoReference No.: 79107
Chemical of Concern: PPB; Habitat: T; Effect Codes: BCM; Rejection Code: NO MIXTURE(PPB),NO COC(PMR).
301. Satoh, G. T., Plapp, F. W. Jr., and Slosser, J. E. (1995). Potential of Juvenoid Insect Growth Regulators for Managing Cotton Aphids (Homoptera: Aphididae). *J.Econ.Entomol.* 88: 254-258.
- Chemical of Concern: PPB,FYC,DCTP; Habitat: T; Rejection Code: NO COC(PMR).
302. Saxena, P. N. and Tomar, V. (2003). Assessment of Comparative Hemotoxicity of Cybil and Fenvalerate in *Rattus norvegicus*. *Bull.EnvIRON.Contam.Toxicol.* 70: 839-846.
- EcoReference No.: 99553
Chemical of Concern: FNV; Habitat: T; Effect Codes: MOR,CEL; Rejection Code: NO COC(PMR),OK(FNV).
303. Schimmel, S. C., Garnas, R. L., Patrick, J. M. Jr., and Moore, J. C. (1983). Acute Toxicity, Bioconcentration, and Persistence of AC 222,705, Benthio carb, Chlorpyrifos, and Fenvalerate, Methyl Parathion, and Permethrin in the Estuarine Environment. *J.Agric.Food Chem.* 31: 104-113.
- EcoReference No.: 15639
Chemical of Concern: CPY,MP,TBC,PMR; Habitat: A; Effect Codes: ACC,MOR; Rejection Code: LITE EVAL CODED(CPY),NO CONTROL(MP,PMR),OK(TBC).
304. Schnitzerling, H. J., Nolan, J., and Hughes, S. (1983). Toxicology and Metabolism of Some Synthetic Pyrethroids in Larvae of Susceptible and Resistant Strains of the Cattle Tick *Boophilus microplus* (Can.). *Pestic.Sci.* 14: 64-72.
- EcoReference No.: 72016
Chemical of Concern: PMR,CYP,PYT; Habitat: T; Effect Codes: MOR,ACC; Rejection Code: NO CONTROL(ALL CHEMS).
305. Scott, J. G., Croft, B. A., and Wagner, S. W. (1983). Studies on the Mechanism of Permethrin Resistance in *Amblyseius fallacis* (Acarina: Phytoseiidae) Relative to Previous Insecticide Use on Apple. *J.Econ.Entomol.* 76: 6-10.
- EcoReference No.: 93257
Chemical of Concern: AZ,DDT,PMR,MXC,CBL; Habitat: T; Effect Codes: MOR; Rejection Code: NO CONTROL(TARGET-PMR,AZ,CBL),NO MIXTURE(PPB,TBF).
306. Scott, J. G., Mellon, R. B., Kirino, O., and Georghiou, G. P. (1986). Insecticidal Activity of Substituted Benzyl Dichlorovinylcyclopropanecarboxylates on Susceptible and KDR-Resistant Strains of the Southern House Mosquito, *Culex quinquefasciatus*. *J.Pestic.Sci.* 11: 475-477.
- EcoReference No.: 12370
Chemical of Concern: PMR,PPB,TBF; Habitat: A; Effect Codes: MOR; Rejection Code: NO MIXTURE(PPB),NO CONTROL(PMR).
307. Seif, A. I., Husseiny, I. M., Soliman, B. A., Soliman, M. A., and El-Kady, M. A. (1997). Development of *Wuchereria bancrofti* in *Culex pipiens* L. (Diptera: Culicidae) Exposed in the Larval Instar to

Sublethal Dosages of Insecticides and One Insect Growth Regulator and Their Influence on Reproduction of Filaria-Infected Mosquitoes. *J.Egypt Soc.Parasitol.* 27: 843-853.

EcoReference No.: 63358

Chemical of Concern: PMR; Habitat: A; Effect Codes: GRO,MOR,REP; Rejection Code: NO ENDPOINT(PMR).

308. Setakana, P. and Tan, K. H. (1991). Insecticide Resistance and Multi-Resistance in Two Strains of *Culex quinquefasciatus* Say Larvae in Penang, Malaysia. *Mosquito-Borne Dis.Bull.* 8: 40-44.

EcoReference No.: 45077

Chemical of Concern: DDT,MLN,DZ,CYP,FNT,DLD,PMR,PPX; Habitat: A; Effect Codes: MOR; Rejection Code: NO CONTROL(ALL CHEMS).

309. Sewell, G. H. and Groden, E. (1999). Control of Colorado Potato Beetle on Irish Potato, 1998. *Arthropod Manag.Tests* 24: 163 (E76).

EcoReference No.: 88137

Chemical of Concern: IMC,DM,EFV; Habitat: T; Effect Codes: POP; Rejection Code: TARGET,NO CROP(EFV),NO COC(PMR).

310. Sewell, G. H. and Storch, R. H. (1993). Irish Potato Control of Colorado Potato Beetle 1992. *Insectic.Acaric.Tests* 18: 152-153.

Chemical of Concern: PPB,AZD,PSM,CYR; Habitat: T; Rejection Code: TARGET(AZD,PSM),NO COC(PMR).

311. Shafiei, T. M. and Costa, H. H. (1990). The Susceptibility and Resistance of Fry and Fingerlings of *Oreochromis mossambicus* Peters to Some Pesticides Commonly used in Sri Lanka. *J.Appl.Ichthyol.(Z.Angew.Ichthyol.)* 6: 73-80.

EcoReference No.: 9253

Chemical of Concern: DMT,HCCH,LNR,PAQT,PMR,ES,DCF,FNT,AND,PPN,ODZ,PIRM ; Habitat: A; Effect Codes: MOR,GRO; Rejection Code: NO CONTROL(ALL CHEMS),NO ENDPOINT,NO CONTROL(PMR,LNR).

312. Shah, P. V., Fisher, H. L., Sumler, M. R., Monroe, R. J., Chernoff, N., and Hall, L. L. (1987). Comparison of the Penetration of 14 Pesticides Through the Skin of Young and Adult Rats. *J.Toxicol.Enviroin.Health* 21: 353-366.

EcoReference No.: 84377

Chemical of Concern:

NCTN,ATZ,CAPTAN,CBL,CBF,CPY,DSMA,FOLPET,MSMA,PRN,PCB,PMR; Habitat: T; Effect Codes: ACC; Rejection Code: NO CONTROL(ALL CHEMS).

313. Shono, Y., Arakawa, R., Hirano, M., and Abe, Y. (1993). Effect of Pyriproxyfen, Fenitrothion and Permethrin on the Fly Pupal Parasitoids, *Spalangia endius* and *Nasonia vitripennis*. *Jpn.J.Sanit.Zool.* 44: 29-32.

EcoReference No.: 99662

Chemical of Concern: PYX,FNT,PMR; Habitat: T; Effect Codes: MOR,GRO; Rejection Code: NO CONTROL(PMR).

314. Shore, R. F., Myhill, D. G., French, M. C., Leach, D. V., and Stebbings, R. E. (1991). Toxicity and Tissue Distribution of Pentachlorophenol and Permethrin in Pipistrelle Bats Experimentally Exposed to Treated Timber. *Environ.Pollut.* 73: 101-118.

- EcoReference No.: 54167
Chemical of Concern: PCP,PMR; Habitat: T; Effect Codes: ACC,MOR,BCM; Rejection Code: NO ENDPOINT(PMR,PCP).
315. Sibley, P. K. and Fortin, C. (1989). Visual Detection of Microencapsulated Insecticides with Selective Staining and Scanning Electron Microscopy. *J.Econ.Entomol.* 82: 1323-1327.
- EcoReference No.: 99895
Chemical of Concern: PMR,PRN,FNF; Habitat: AT; Effect Codes: ACC; Rejection Code: NO ENDPOINT,NO CONTROL(PMR).
316. Sidon, E. W., Moody, R. P., and Franklin, C. A. (1988). Percutaneous Absorption of cis- and trans-Permethrin in Rhesus Monkeys and Rats: Anatomic Site and Interspecies Variation. *J.Toxicol.Enviroin.Health* 23: 207-216.
- EcoReference No.: 99891
Chemical of Concern: PCPMR,PTPMR; Habitat: T; Effect Codes: ACC,PHY; Rejection Code: NO ENDPOINT(PCPMR,PTPMR).
317. Sidorova, Y. A., Grishanova, A. Y., and Lyakhovich, V. V. (2005). Rat Hepatic CYP1A1 and CYP1A2 Induction by Menadione. *Toxicol.Lett.* 155: 253-258.
- EcoReference No.: 80437; Habitat: T; Effect Codes: ACC,PHY,CEL; Rejection Code: NO COC(PMR).
318. Simanov, L., Adamek, Z., Svobodova, Z., and Svec, J. (1984). Acute Toxicity of the Insecticides Actellic EC-50 and Ambush EC-25 for Aquatic Organisms. *Vodni Hospod./C.A.Sel.- Environ.Pollut.*24(101):4 (1984) 34: 127-130 (CZE).
- EcoReference No.: 11852
Chemical of Concern: PMR; Habitat: A; Effect Codes: MOR; Rejection Code: NO CONTROL(PMR).
319. Singh, A. and Agarwal, R. A. (1994). Effect of Three Synthetic Pyrethroids to a Non-Target Fish, *Channa striatus* . *Acta Hydrochim.Hydrobiol.* 22: 237-240 (OECDG Data File).
- EcoReference No.: 56386
Chemical of Concern: CYP,PMR,PYT,FNV,EFV; Habitat: A; Effect Codes: BCM,MOR; Rejection Code: LITE EVAL CODED(CYP),NO CONTROL(PMR,FNV).
320. Singh, A. and Srivastava, V. K. (1999). Toxic Effect of Synthetic Pyrethroid Permethrin on the Enzyme System of the Freshwater Fish *Channa striatus*. *Chemosphere* 39: 1951-1956.
- EcoReference No.: 20612
Chemical of Concern: PMR,PYT; Habitat: A; Effect Codes: BCM; Rejection Code: NO ENDPOINT(PMR).
321. Singh, D. K. and Agarwal, R. A. (1987). Effect of the Synthetic Pyrethroid Permethrin on the Snail *Lymnaea acuminata*. *Sci.Total Environ.* 67: 263-267.
- EcoReference No.: 12522
Chemical of Concern: PMR,PYT; Habitat: A; Effect Codes: BCM; Rejection Code: NO ENDPOINT(PMR).
322. Singh, D. K. and Agarwal, R. A. (1986). Piperonyl Butoxide Synergism with Two Synthetic

- Pyrethroids Against *Lymnaea acuminata*. *Chemosphere* 15: 493-498 .
- EcoReference No.: 12376
 Chemical of Concern: CYP,PMR,PPB,PYT; Habitat: A; Effect Codes: MOR; Rejection Code: LITE EVAL CODED(CYP),NO MIXTURE(PPB),NO CONTROL(PMR).
323. Singh, I. P. and Kalra, R. L. (1989). Dissipation of Permethrin in Brinjal Fruits, Leaves and Soil. *Indian J.Entomol.* 51: 246-252.
- EcoReference No.: 100270
 Chemical of Concern: PMR; Habitat: T; Effect Codes: ACC; Rejection Code: NO ENDPOINT(PMR).
324. Singh, K., Singh, A., and Singh, D. K. (1998). Synergism of MGK-264 and Piperonyl Butoxide on the Toxicity of Plant Derive Molluscicides. *Chemosphere* 36: 3055-3060.
- EcoReference No.: 74935
 Chemical of Concern: PPB; Habitat: A; Effect Codes: MOR; Rejection Code: NO MIXTURE(PPB),NO COC(PMR).
325. Singh, V. K. and Saxena, P. N. (2001). Effect of Cybil (Cypermethrin 25 EC) and Cybil-Sevin (Carbaryl 50 EC) Combinations on Liver and Serum Phosphatases in Wistar Albino Rats. *J.Ecophysiol.Occup.Health* 1: 229-234.
- EcoReference No.: 79178
 Chemical of Concern: CYP,CBL; Habitat: T; Effect Codes: BCM; Rejection Code: NO MIXTURE(CBL),OK(CYP),NO COC(PMR).
326. Sirota, J. M., Grafius, E., Boylan-Pett, W., Ferrari, B., Kolarik, P., Pyle, A., Scriber, B., Simstad, S., and Stehr, M. (1993). Colorado Potato Beetle Control 1991. *Insectic.Acaric.Tests* 18: 153-155.
- Chemical of Concern: PPB; Habitat: T; Rejection Code: NO COC(PMR).
327. Smal, D., Jasmin, P., and Mercier, P. (2004). Treatment of Neotrombicula autumnalis Dermatitis in Dogs Using Two Topical Permethrin-Pyriproxyfen Combinations. *J.Small Anim.Pract.* 45: 98-103.
- EcoReference No.: 99836
 Chemical of Concern: PYX,PMR; Habitat: T; Effect Codes: POP,PHY; Rejection Code: NO MIXTURE,NO CONTROL(PMR).
328. Smies, M., Evers, R. H. J., Peijnenburg, F. H. M., and Koeman, J. H. (1980). Environmental Aspects of Field Trials with Pyrethroids to Eradicate Tsetse Fly in Nigeria. *Ecotoxicol.Environ.Saf.* 4: 114-128.
- EcoReference No.: 5183
 Chemical of Concern: PYT,PMR,CYP,DM; Habitat: A; Effect Codes: POP; Rejection Code: NO ENDPOINT(ALL CHEMS).
329. Smith, A. C., Roberts, S. M., Berman, L. M., Harbison, R. D., and James, R. C. (1988). Effects of Piperonyl Butoxide on Halothane Hepatotoxicity and Metabolism in the Hyperthyroid Rat. *Toxicology* 50: 95-105.
- EcoReference No.: 75512
 Chemical of Concern: PPB; Habitat: T; Effect Codes: BCM; Rejection Code: NO MIXTURE(PPB),NO FATE,NO COC(PMR).

330. Song, H., Lang, C. A., and Chen, T. S. (1999). The Role of Glutathione in p-Aminophenol-Induced Nephrotoxicity in the Mouse. *Drug Chem.Toxicol.* 22: 529-544.
- EcoReference No.: 74905
 Chemical of Concern: PPB; Habitat: T; Effect Codes: BCM; Rejection Code: NO
 ENDPOINT(PPB),NO COC(PMR).
331. Southwick, L. M., Boethel, D. J., Willis, G. H., Rester, D. C., Yanes, J. Jr., Troxclair, N. N. Jr., and Sparks, A. N. Jr. (1986). Deposits and Persistence of Permethrin ULV and EC Applications on Soybean Leaves. *J.Econ.Entomol.* 79: 202-207.
- EcoReference No.: 99621
 Chemical of Concern: PMR; Habitat: T; Effect Codes: ACC; Rejection Code: NO
 ENDPOINT(PMR).
332. Speese III, J. (1996). Use of Biorational and Standard Insecticides to Control Insects in Potatoes, 1995. *Arthropod Manag.Tests* 21: 162-163 (107E).
- EcoReference No.: 97648
 Chemical of Concern: CYT,DMT,AZD,PMR,PPB; Habitat: T; Effect Codes: POP,PHY; Rejection Code: NO COC(CYR),EFFICACY(AZD),NO MIXTURE(PMR,PPB).
333. Spielberger, U., Na'Isa, B. K., Koch, K., Manno, A., Skidmore, P. R., and Coutts, H. H. (1979). Field Trials with the Synthetic Pyrethroids Permethrin, Cypermethrin and Decamethrin Against Glossina (Diptera: Glossinidae) in Nigeria. *Bull.Entomol.Res.* 69: 667-689.
- EcoReference No.: 19250
 Chemical of Concern: DLD,PMR,CYP,DCM; Habitat: AT; Effect Codes: MOR,ACC,POP; Rejection Code: NO CONTROL(ALL CHEMS).
334. Staatz, C. G. and Hosko, M. J. (1985). Effect of Pyrethroid Insecticides on EEG Activity in Conscious, Immobilized Rats. *Pestic.Biochem.Physiol.* 24: 231-239.
- EcoReference No.: 99894
 Chemical of Concern: DM,PCPMR,DDT; Habitat: T; Effect Codes: PHY; Rejection Code: NO
 ENDPOINT(PCPMR).
335. Stoltz, R. L. and Matteson, N. A. (1992). Colorado Potato Beetle Control with Foliar Sprays, 1991. In: A.K.Burditt,Jr.(Ed.), *Insecticide and Acaricide Tests, Volume 17, Entomol.Soc.of Am., Lanham, MD* 143.
- EcoReference No.: 79284
 Chemical of Concern: CYT,PMR,CYH; Habitat: T; Effect Codes: POP; Rejection Code: NO
 ENDPOINT(ALL CHEMS).
336. Stratton, G. W. (1985). Interaction Effects of Mercury-Pesticide Combinations Towards a Cyanobacterium. *Bull.EnvIRON.Contam.Toxicol.* 34: 676-683.
- EcoReference No.: 71827
 Chemical of Concern: Hg,ATZ,PMR; Habitat: A; Effect Codes: POP; Rejection Code: NO
 ENDPOINT(ALL CHEMS).
337. Stratton, G. W. (1983). Interaction Effects of Permethrin and Atrazine Combinations Towards Several Nontarget Microorganisms. *Bull.EnvIRON.Contam.Toxicol.* 31: 297-303.
- EcoReference No.: 71930

- Chemical of Concern: ATZ,PMR; Habitat: A; Effect Codes: POP,PHY; Rejection Code: NO ENDPOINT(ALL CHEMS).
338. Stratton, G. W., Burrell, R. E., Kurp, M. L., and Corke, C. T. (1980). Interactions Between the Solvent Acetone and the Pyrethroid Insecticide Permethrin on Activities of the Blue-Green Alga *Anabaena*. *Bull.Environ.Contam.Toxicol.* 24: 562-569.
- EcoReference No.: 2198
Chemical of Concern: PMR,PYT; Habitat: A; Effect Codes: PHY,BCM; Rejection Code: NO CONTROL(PMR).
339. Stratton, G. W. and Corke, C. T. (1981). Interaction of Permethrin with *Daphnia magna* in the Presence and Absence of Particulate Material. *Environ.Pollut.* 24: 135-144.
- EcoReference No.: 5197
Chemical of Concern: PMR,MXC,CYP,DZ,CBL; Habitat: A; Effect Codes: MOR; Rejection Code: NO CONTROL(PMR),NO ENDPOINT,NO CONTROL(DZ,MXC,CYP,CBL).
340. Stratton, G. W. and Corke, C. T. (1982). Toxicity of the Insecticide Permethrin and Some Degradation Products towards Algae and Cyanobacteria. *Environ.Pollut.Ser.A* 29: 71-80.
- EcoReference No.: 15991
Chemical of Concern: PMR,BZO,SMT; Habitat: A; Effect Codes: GRO,PHY,POP; Rejection Code: LITE EVAL CODED(BZO),OK(SMT),NO ENDPOINT,NO CONTROL(PMR).
341. Strickman, D. (1985). Aquatic Bioassay of 11 Pesticides Using Larvae of the Mosquito, *Wyeomyia smithii* (Diptera: Culicidae). *Bull.Environ.Contam.Toxicol.* 35: 133-142.
- EcoReference No.: 11480
Chemical of Concern: DDT,HPT,CPY,MLN,TMP,CBL,MOM,PPX,PMR,RSM,SMT; Habitat: A; Effect Codes: MOR,GRO; Rejection Code: NO ENDPOINT(DDT,HPT,CPY,MLN,TMP,CBL,MOM,PPX,PMR,RSM,SMT).
342. Stumpf, N. and Nauen, R. (2002). Biochemical Markers Linked to Abamectin Resistance in *Tetranychus urticae* (Acari: Tetranychidae). *Pestic.Biochem.Physiol.* 72: 111-121.
- EcoReference No.: 74914
Chemical of Concern: PPB,ABM; Habitat: T; Effect Codes: MOR,BCM; Rejection Code: NO MIXTURE(PPB),NO COC(PMR).
343. Sukul, P. and Handa, S. K. (1995). Dissipation of Permethrin Residues in Green Gram. *Environ.Ecol.* 13: 928-931.
- EcoReference No.: 54597
Chemical of Concern: PMR; Habitat: T; Effect Codes: ACC; Rejection Code: NO ENDPOINT(PMR).
344. Sukul, P. and Handa, S. K. (1986). Persistence of Permethrin on Chickpea. *Indian J.Agric.Sci.* 56: 605-608.
- EcoReference No.: 99618
Chemical of Concern: PMR; Habitat: T; Effect Codes: ACC; Rejection Code: NO ENDPOINT(PMR).
345. Sun, F. (1987). Evaluating Acute Toxicity of Pesticides to Aquatic Organisms: Carp, Mosquito Fish and Daphnids. *Plant Prot.Bull.(Chih Wu Pao Hu Hsueh Hui Hui K'an)* 29: 385-396 (CHI) (ENG)

ABS).

EcoReference No.: 13451

Chemical of Concern:

BT,CBF,EP,GYP,PSM,TBC,CYP,DM,FPP,FVL,PMR,TMT,24DXY,ATN,FNF,PAQT,MZB,Maneb,B
TC,TBC,FNV,Zn; Habitat: A; Effect Codes: MOR; Rejection Code: NO
FOREIGN(BT,CBF,EP,GYP,PSM,TBC,CYP,DM,FPP,FVL,PMR,TMT,24DXY,ATN,FNF,PAQT,M
ZB,Maneb,BTC,TBC,FNV,Zn),NO CONTROL(PSM).

346. Sundaram, K. M. S. (1993). Permethrin Deposition and Persistence in Canopy Foliage of a Plantation Forest. In: *B.N.Devisetty, D.G.Chasin, and P.D.Berger (Ed.), Pesticide Formulations and Application Systems, 12th Vol., 12th Symp., Oct.16-17, 1991, San Diego, CA, ASTM STP 1146, Philadelphia, PA 272-285.*

EcoReference No.: 100291

Chemical of Concern: PMR; Habitat: T; Effect Codes: ACC; Rejection Code: NO
ENDPOINT(PMR).

347. Sundaram, K. M. S. and Curry, J. (1991). Partitioning and Uptake of Permethrin by Stream Invertebrates and Periphyton. *J.Environ.Sci.Health Part B* 26: 219-239.

EcoReference No.: 8928

Chemical of Concern: PMR; Habitat: A; Effect Codes: ACC,BCM; Rejection Code: NO
ENDPOINT(PMR).

348. Sundaram, K. M. S., Helson, B. V., and Payne, N. J. (1992). Distribution and Persistence of Aerially Sprayed Permethrin in Some Terrestrial Components of a Boreal Plantation Forest. *J.Agric.Food Chem.* 40: 2523-2529.

EcoReference No.: 99810

Chemical of Concern: PMR; Habitat: T; Effect Codes: ACC; Rejection Code: NO
ENDPOINT(PMR).

349. Suzuki, Y., Nakahara, M., Nakamura, R., and Ueda, T. (1979). Roles of Food and Sea Water in the Accumulation of Radionuclides by Marine Fish. *Bull.Jpn.Soc.Sci.Fish.* 45: 1409-1416.

EcoReference No.: 66035; Habitat: A; Effect Codes: ACC; Rejection Code: NO COC(PMR).

350. Svestka, M. (1989). Results and Problems of Aerial Application of Pesticides and Biopreparations in Czechoslovak Forestry. *Lesnictvi* 35: 1003-1014.

EcoReference No.: 99740

Chemical of Concern: GYP,HXZ,FZFB,PMR,PIRM; Habitat: AT; Effect Codes: POP,REP;
Rejection Code: NO ENDPOINT,NO CONTROL(GYP,PMR),NO CONTROL(HXZ).

351. Szabo, P. and Ceglarska-Hodi, E. (1992). Western Flower Thrips (*Frankliniella occidentalis*) - Occurrence and Possibilities for Its Control in Hungary. In: *Joint Eur.Plant Prot.Org., Org.for Biol.Control-Eur.Plant Soc.Conf.on Plant Protection in Glasshouses, Jun.4-7, 1991, Naramowice, Poland, Bull.OEPP (Org.Eur.Medit.Prot.Plant)* 22: 377-382.

EcoReference No.: 100191

Chemical of Concern: PMR,ES,DZ,DDVP,FML; Habitat: T; Effect Codes: POP; Rejection Code:
NO ENDPOINT,NO CONTROL,NO MIXTURE(PMR,DZ).

352. Tabassum, R., Naqvi, S., Jahan, M., Nurulain, S. M., Khan, M. F., and Azmi, M. A. (1998). Determination of the Toxicities of Fenpropathrin (Pyrethroid) and Neem Formulation (RB-

- a+PBO+Tx-100) Against *Alphitobius diaperinus* Adults and Their Effects on Transaminases. *Turk.J.Zool.* 22: 319-322.
- Chemical of Concern: PPB,AZD,FPP; Habitat: T; Rejection Code: TARGET(AZD),NO COC(PMR).
353. Takahashi, O., Oishi, S., Fujitani, T., Tanaka, T., and Yoneyama, M. (1997). Chronic Toxicity Studies of Piperonyl Butoxide in CD-1 Mice: Induction of Hepatocellular Carcinoma. *Toxicology* 124: 95-103.
- EcoReference No.: 75193
Chemical of Concern: PPB; Habitat: T; Effect Codes: BEH,MOR,CEL,GRO,BCM,PHY; Rejection Code: OK(PPB),NO COC(PMR).
354. Takahashi, O., Oishi, S., Fujitani, T., Tanaka, T., and Yoneyama, M. (1994). Chronic Toxicity Studies of Piperonyl Butoxide in F344 Rats: Induction of Hepatocellular carcinoma. *Fundam.Appl.Toxicol.* 22: 293-303.
- EcoReference No.: 74868
Chemical of Concern: PPB; Habitat: T; Effect Codes: GRO,MOR,CEL,BCM; Rejection Code: LITE EVAL CODED(PPB),NO COC(PMR).
355. Takahashi, O., Oishi, S., Fujitani, T., Tanaka, T., and Yoneyama, M. (1994). Piperonyl Butoxide Induces Hepatocellular Carcinoma in Male CD-1 Mice. *Arch.Toxicol.* 68: 467-469.
- EcoReference No.: 74864
Chemical of Concern: PPB; Habitat: T; Effect Codes: MOR,GRO,CEL; Rejection Code: LITE EVAL CODED(PPB),NO COC(PMR).
356. Takahashi, O., Oishi, S., Yoneyama, M., Tanaka, T., and Fujitani, T. (1998). Mouse Liver Nodules Induced by Piperonyl Butoxide, a Mixed-Function Oxidase Inducer. *Toxicol.Pathol.* 26: 301-303.
- EcoReference No.: 75518
Chemical of Concern: PPB; Habitat: T; Effect Codes: CEL; Rejection Code: OK(PPB),NO COC(PMR).
357. Takimoto, Y., Ohshima, M., Matsuda, T., and Miyamoto, J. (1986). Metabolism of Several Pyrethroidal Insecticides by Carp (*Cyprinus carpio*). In: *6th Intl.Congr.of Pesticide Chemistry, Aug.10-15, 1986, Int.Union of Pure and Applied Chemistry, Ottawa, Canada* 7B-04 (ABS).
- EcoReference No.: 17813
Chemical of Concern: FPP,SMT,PYT,FNV,CYP,DDT,PMR; Habitat: A; Effect Codes: ACC; Rejection Code: NO ABSTRACT(FPP,SMT,PYT,FNV,CYP,DDT,PMR).
358. Takken, W., Balk, F., Jansen, R. C., and Koeman, J. H. (1978). The Experimental Application of Insecticides from a Helicopter for the Control of Riverine Populations of *Glossina tachinoides* in West Africa. VI. Observations on Side-Effects. *Pestic.Artic News Summary* 24: 455-466.
- EcoReference No.: 5198
Chemical of Concern: PMR,DCM,AZM,TVP,ES; Habitat: A; Effect Codes: MOR,POP; Rejection Code: NO ENDPOINT,NO CONTROL(DCM,AZM,TVP,ES),NO ENDPOINT(PMR).
359. Tanaka, T. (2003). Reproductive and Neurobehavioural Effects of Piperonyl Butoxide Administered to Mice in the Diet. *Food Addit.Contam.* 20: 207-214.
- Chemical of Concern: PPB; Habitat: T; Rejection Code: NO COC(PMR).

360. Tanaka, T., Fujitani, T., Takahashi, O., Oishi, S., and Yoneyama, M. (1995). Developmental Toxicity Study on Piperonyl Butoxide in CD Rats. *Toxicol.Ind.Health* 11: 175-184.
Chemical of Concern: PPB; Habitat: T; Rejection Code: NO COC(PMR).
361. Tang, F., Yue, Y., and Hua, R. (2000). The Relationships Among MFO, Glutathione S-Transferases, and Phoxim Resistance in *Helicoverpa armigera*. *Pestic.Biochem.Physiol.* 68: 96-101.
EcoReference No.: 74912
Chemical of Concern: PPB; Habitat: T; Effect Codes: MOR; Rejection Code: NO MIXTURE(PPB),NO COC(PMR).
362. Tang, J. X. and Siegfried, B. D. (1996). Bioconcentration and Uptake of a Pyrethroid and Organophosphate Insecticide by Selected Aquatic Insect. *Bull. Environ. Contam. Toxicol.* 57: 993-998.
EcoReference No.: 18226
Chemical of Concern: CPY,PMR; Habitat: A; Effect Codes: ACC; Rejection Code: LITE EVAL CODED(CPY),NO CONTROL(PMR).
363. Tang, J. X. and Siegfried, B. D. (1995). Comparative Uptake of a Pyrethroid and Organophosphate Insecticide by Selected Aquatic Insects. *Bull. Environ. Contam. Toxicol.* 55: 130-135.
EcoReference No.: 14956
Chemical of Concern: CPY,PMR,PYT; Habitat: A; Effect Codes: MOR,ACC; Rejection Code: NO ENDPOINT,NO CONTROL(PMR,CPY).
364. Taylor, R. N., Hill, M. N., Stewart, D. C., and Slatter, R. (1981). A Field Evaluation of Permethrin (OMS 1821) and NRDC 161 (OMS 1998) for Residual Control of Mosquitoes. *Mosq.News* 41: 423-434.
EcoReference No.: 92589
Chemical of Concern: PMR,FNT; Habitat: T; Effect Codes: POP,BEH; Rejection Code: NO ENDPOINT(PMR).
365. Thomas, A., Kumar, S., and Pillai, M. (1991). Piperonyl Butoxide as a Countermeasure for Deltamethrin-Resistance in *Culex quinquefasciatus* Say. *Entomon* 16: 1-10.
Chemical of Concern: PPB; Habitat: T; Rejection Code: NO COC(PMR).
366. Thomas, R. G., Furchner, J. E., London, J. E., Drake, G. A., Wilson, J. S., and Richmond, C. R. (1976). Comparative Metabolism of Radionuclides in Mammals-X. Retention of Tracer-Level Cobalt in the Mouse, Rat, Monkey and Dog. *Health Phys.* 31: 323-333.
EcoReference No.: 56841
Chemical of Concern: Co,PMR; Habitat: T; Effect Codes: ACC; Rejection Code: NO CONTROL,NO ENDPOINT(PMR).
367. Thomassen, D., Slattery, J. T., and Nelson, S. D. (1990). Menthofuran-Dependent and Independent Aspects of Pulegone Hepatotoxicity: Roles of Glutathione. *J.Pharmacol.Exp.Ther.* 253: 567-572.
Chemical of Concern: PPB; Habitat: T; Rejection Code: NO COC(PMR).
368. Thorsen, A., Mattsson, S., and Weslien, J. (2001). Influence of Stem Diameter on the Survival and Growth of Containerized Norway Spruce Seedlings Attacked by Pine Weevils (*Hylobius* spp.). *Scand.J.For.Res.* 16: 54-66.

- EcoReference No.: 100127
Chemical of Concern: PMR; Habitat: T; Effect Codes: POP,MOR; Rejection Code: NO CONC(PMR).
369. Tidwell, M. A., Williams, D. C., Gwinn, T. A., Pena, C. J., Tedders, S. H., Gonzalvez, G. E., and Mekuria, Y. (1994). Emergency Control of *Aedes aegypti* in the Dominican Republic Using the Scorpion 20 ULV Forced-Air Generator. *J.Am.Mosq.Control Assoc.* 10: 403-406.
- EcoReference No.: 99798
Chemical of Concern: PMR; Habitat: T; Effect Codes: POP,MOR; Rejection Code: NO ENDPOINT(PMR).
370. Tietze, N. S., Hester, P. G., and Shaffer, K. R. (1995). Acute Effects of Permethrin-Piperonyl Butoxide on Nontarget Minnows and Grass Shrimp. *J.Am.Mosq.Control Assoc.* 11: 476-479.
- EcoReference No.: 18770
Chemical of Concern: PMR,PPB; Habitat: A; Effect Codes: MOR; Rejection Code: NO MIXTURE(PPB,PMR).
371. Tietze, N. S., Olson, M. A., Hester, P. G., and Moore, J. J. (1993). Tolerance of Sewage Treatment Plant Microorganisms to Mosquitocides. *J.Am.Mosq.Control Assoc.* 9: 477-479.
- EcoReference No.: 7646
Chemical of Concern: TMP,RSM,PMR,Naled,MLN,FNTH,DFZ,MTPN; Habitat: A; Effect Codes: POP; Rejection Code: LITE EVAL CODED(RSM,MLN),OK(Naled,FNTH),NO ENDPOINT(DFZ,TMP,MTPN),NO CONTROL(PMR).
372. Torstensson, L., Borjesson, E., and Arvidsson, B. (1999). Treatment of Bare Root Spruce Seedlings with Permethrin Against Pine Weevil Before Lifting. *Scand.J.For.Res.* 14: 408-415.
- EcoReference No.: 64126
Chemical of Concern: PMR; Habitat: T; Effect Codes: ACC; Rejection Code: NO ENDPOINT(PMR).
373. Toth, L. A., Oberbeck, C., Strain, C. M., Frazier, S., and Rehg, J. E. (2000). Toxicity Evaluation of Prophylactic Treatments for Mites and Pinworms in Mice. *Contemp.Top.Lab.Anim.Sci.* 39: 18-21.
- EcoReference No.: 100129
Chemical of Concern: PMR,DDVP; Habitat: T; Effect Codes: MOR; Rejection Code: NO CONC(PMR).
374. Trimble, R. M., Pree, D. J., and Vickers, P. M. (1990). Survey for Insecticide Resistance in Some Ontario Populations of the Apple Leafminer Parasite, *Pholetesor ornigis* (Weed) (Hymenoptera: Braconidae). *Can.Entomol.* 122: 969-973.
- EcoReference No.: 99797
Chemical of Concern: AZ,MOM,PMR; Habitat: T; Effect Codes: MOR; Rejection Code: NO CONTROL(AZ,MOM,PMR).
375. Tu, C. M. (1980). Influence of Pesticides and Some of the Oxidized Analogues on Microbial Populations, Nitrification and Respiration Activities in Soil. *Bull.EnvIRON.Contam.Toxicol.* 24: 13-19.
- EcoReference No.: 99805
Chemical of Concern: PRT,PMR,Maneb; Habitat: T; Effect Codes: POP,PHY; Rejection Code: NO ENDPOINT(PRT,PMR,Maneb).

376. Valentovic, M. A., Ball, J. G., Anestis, D., and Madan, E. (1993). Modification of P450 Activity and Its Effect on 1,2-Dichlorobenzene Toxicity in Fischer 344 Rats. *Toxicology* 79: 169-180.
- EcoReference No.: 75114
 Chemical of Concern: PPB,DCB; Habitat: T; Effect Codes: BCM; Rejection Code: LITE EVAL CODED(DCB),NO MIXTURE(PPB),NO COC(PMR).
377. Valentovic, M. A., Lo, H. H., Brown, P. I., and Rankin, G. O. (1995). 3,5-Dichloroaniline Toxicity in Fischer 344 Rats Pretreated with Inhibitors and Inducers of Cytochrome P450. *Toxicol.Lett.* 78: 207-214.
- EcoReference No.: 74937
 Chemical of Concern: PPB; Habitat: T; Effect Codes: BCM,BEH,PHY; Rejection Code: NO MIXTURE(PPB),NO COC(PMR).
378. Van Haaren, F., Cody, B., Hoy, J. B., Karlix, J. L., Schmidt, C. J., Tebbett, I. R., and Wielbo, D. (2000). The Effects of Pyridostigmine Bromide and Permethrin, Alone or in Combination, on Response Acquisition in Male and Female Rats. *Pharmacol.Biochem.Behav.* 66: 739-746.
- EcoReference No.: 99533
 Chemical of Concern: PMR; Habitat: T; Effect Codes: BEH,ACC; Rejection Code: NO ENDPOINT(PMR).
379. Van Haaren, F., Haworth, S. C., Bennett, S. M., Cody, B. A., Hoy, J. B., Karlix, J. L., and Tebbett, I. R. (2001). The Effects of Pyridostigmine Bromide, Permethrin, and DEET Alone, or in Combination, on Fixed-Ratio and Fixed-Interval Behavior in Male and Female Rats. *Pharmacol.Biochem.Behav.* 69: 23-33.
- EcoReference No.: 99551
 Chemical of Concern: PMR; Habitat: T; Effect Codes: PHY,BEH; Rejection Code: NO ENDPOINT(PMR).
380. Van Laecke, K. and Degheele, D. (1991). Detoxification of Diflubenzuron and Teflubenzuron in the Larvae of the Beet Armyworm (*Spodoptera exigua*) (Lepidoptera: Noctuidae). *Pestic.Biochem.Physiol.* 40: 181-190.
- EcoReference No.: 74893
 Chemical of Concern: PPB,DFZ; Habitat: T; Effect Codes: MOR; Rejection Code: NO ENDPOINT(PPB),NO COC(PMR).
381. Varsano, R., Rabinowitch, H. D., and Rubin, B. (1992). Mode of Action of Piperonyl Butoxide as Herbicide Synergist of Atrazine and Terbutryn in Maize. *Pestic.Biochem.Physiol.* 44: 174-182.
- EcoReference No.: 74923
 Chemical of Concern: PPB,ATZ; Habitat: T; Effect Codes: ACC; Rejection Code: NO MIXTURE(PPB),ENDPOINT(ALL CHEMS,TARGET-ATZ),NO COC(PMR).
382. Verma, K. V. S. and Rahman, S. J. (1984). Comparative Efficacy of Synthetic Pyrethroids, Natural Pyrethrins and DDT Against Mosquito Larvae. *J.Communit.Dis.* 16: 144-147.
- EcoReference No.: 99672
 Chemical of Concern: CYP,PMR,DCM,DDT,PYN; Habitat: A; Effect Codes: MOR; Rejection Code: NO CONTROL(CYP,PMR).
383. Verma, K. V. S. and Rahman, S. J. (1984). Determination of Minimum Lethal Time of Commonly Used Mosquito Larvicides. *J.Communit.Dis.* 16: 162-164.

- EcoReference No.: 3661
 Chemical of Concern: FNV,PMR,PIRM,TMP,FNTH,CPY,CYP,DCM; Habitat: A; Effect Codes: MOR; Rejection Code: NO CONTROL(ALL CHEMS).
384. Vijverberg, H. P. M., Ruigt, G. S. F., and Van den Bercken, J. (1982). Structure-Related Effects of Pyrethroid Insecticides on the Lateral-Line Sense Organ and on Peripheral Nerves of the Clawed Frog (*Xenopus laevis*). *Pestic.Biochem.Physiol.* 18: 315-324.
- EcoReference No.: 55227
 Chemical of Concern: RSM,FPP,FNV,CYP,PMR,BRSM; Habitat: T; Effect Codes: PHY; Rejection Code: NO ENDPOINT(ALL CHEMS).
385. Vogel, J. S., Buchholz, B. A., Pawley, N. H., Mauthe, R. E., Dingley, K., and Turteltaub, K. (1996). Attomole Detection of Isotope-Labeled Compounds in Chemical Defense Research. *Report UCRL-JC-125921, Lawrence Livermore National Lab.Edgewood Res., Development and Engineering Center (RDEC).Prepared for Scientific Conference on Obsuration and Aerosol Research, Aberdeen Proving Ground, MD, Sponsored by DOE, Washington, D.C.:* 11 p. (NTIS/03003271).
- EcoReference No.: 99792
 Chemical of Concern: PMR; Habitat: T; Effect Codes: ACC; Rejection Code: NO ENDPOINT(PMR).
386. Vogel, J. S., Keating II, G. A., and Buchholz, B. A. (2002). Protein Binding of Isofluorophate In Vivo After Coexposure to Multiple Chemicals. *Environ.Health Perspect.* 110: 1031-1036.
- EcoReference No.: 100234
 Chemical of Concern: PRN,PMR; Habitat: T; Effect Codes: BCM,ACC; Rejection Code: NO ENDPOINT(PMR).
387. Walia, S., Saxena, V. S., and Tomar, S. S. (1988). New Methylenedioxyphenyl Synergists for Carbamates: III. Synergistic Activity of Alkyl Aryl Ketones from Dihydrodillapiole and Furapiole. *Indian J.Entomol.* 50: 137-142.
- Chemical of Concern: PPB; Habitat: T; Rejection Code: NO COC(PMR).
388. Walker, A. L. and Wood, R. J. (1986). Laboratory Selected Resistance to Diflubenzuron in Larvae of *Aedes aegypti*. *Pestic.Sci.* 17: 495-502.
- EcoReference No.: 12039
 Chemical of Concern: DDT,DFZ,PMR; Habitat: A; Effect Codes: MOR; Rejection Code: NO ENDPOINT(PMR).
389. Waller, G. D., Estes, B. J., Buck, N. A., Taylor, K. S., and Crowder, L. A. (1988). Residual Life and Toxicity to Honey Bees (Hymenoptera: Apidae) of Selected Pyrethroid Formulations Applied to Cotton in Arizona. *J.Econ.Entomol.* 81: 1022-1026.
- EcoReference No.: 99652
 Chemical of Concern: CYP,BFT,FVL,PMR; Habitat: T; Effect Codes: ACC,MOR; Rejection Code: NO ENDPOINT(CYP,BFT,FVL,PMR).
390. Ware, G. W., Estes, B., and Cahill, W. P. (1978). Dislodgable Insecticide Residues on Cotton (1975). *Bull.EnvIRON.Contam.Toxicol.* 20: 17-19.
- EcoReference No.: 99796
 Chemical of Concern: PMR,OML,MOM,CBL,MP,CBF; Habitat: T; Effect Codes: ACC; Rejection

Code: NO ENDPOINT(PMR,OML,MOM,CBL,MP,CBF).

391. Ware, G. W., Estes, B. J., and Buck, N. A. (1980). Dislodgeable Insecticide Residues on Cotton Foliage: Acephate, AC 222,705, EPN, Fenvalerate, Methomyl, Methyl Parathion, Permethrin, and Thiodicarb. *Bull.Environ.Contam.Toxicol.* 25: 608-615.

EcoReference No.: 99795

Chemical of Concern: ACP,FNV,MOM,MP,PMR,TDC; Habitat: T; Effect Codes: ACC; Rejection Code: NO ENDPOINT(FNV,MOM,MP,PMR,TDC,ACP).

392. Wedberg, J. and Jensen, B. (1992). Use of Labeled and Experimental Insecticides for Control of Alfalfa Insects in Wisconsin, 1991. *Insectic.Acaric.Tests* 17: 184 (15F).

EcoReference No.: 79786

Chemical of Concern: PSM,CBL,DMT,CPY,MP,PMR,CYH; Habitat: T; Effect Codes: POP; Rejection Code: NO CONTROL(ALL CHEMS).

393. Wen, Z. and Scott, J. G. (1997). Cross-Resistance to Imidacloprid in Strains of German Cockroach (*Blattella germanica*) and House Fly (*Musca domestica*). *Pestic.Sci.* 49: 367-371.

Chemical of Concern: PPB,IMC; Habitat: T; Rejection Code: NO COC(PMR).

394. Weston, D. P., You, J., and Lydy, M. J. (2004). Distribution and Toxicity of Sediment-Associated Pesticides in Agriculture-Dominated Water Bodies of California's Central Valley. *Environ.Sci.Technol.* 38: 2752-2759.

EcoReference No.: 100321

Chemical of Concern: PMR,BFT,LCYT; Habitat: A; Effect Codes: MOR; Rejection Code: NO ENDPOINT(PMR,BFT).

395. Wheeler, G. S., Slansky, F. Jr., and Yu, S. J. (1993). Fall Armyworm Sensitivity to Flavone: Limited Role of Constitutive and Induced Detoxifying Enzyme Activity. *J.Chem.Ecol.* 19: 645-667.

Chemical of Concern: PPB; Habitat: T; Rejection Code: NO COC(PMR).

396. Wilkins, R. M., Saleem, M. A., and Rajendran, C. (1995). Synergism of Insecticidal Action and Effects on Detoxifying Enzymes In Vivo of Lambda-Cyhalothrin and Malathion by Some Nitrogen Heterocycles in Resistant and Susceptible Strains of *Tribolium castaneum*. *Pestic.Sci.* 43: 321-331.

EcoReference No.: 89666

Chemical of Concern: LCYT,MLN,BMC,PPB; Habitat: T; Effect Codes: MOR; Rejection Code: LITE EVAL CODED(MLN,BMC),OK(LCYT),NO COC(PMR) .

397. Williams, M. A. (1991). Insecticidal Control of *Myrmecia pilosula* F. Smith (Hymenoptera: Formicidae). *J.Aust.Entomol.Soc.* 30: 93-94.

EcoReference No.: 99842

Chemical of Concern: CHD,PPX,BDC,DZ,CPY,PMR; Habitat: T; Effect Codes: POP; Rejection Code: NO ENDPOINT(DZ,CPY,PMR).

398. Willis, G. H., McDowell, L. L., Smith, S., and Southwick, L. M. (1992). Foliar Washoff of Oil-Applied Malathion and Permethrin as a Function of Time After Application. *J.Agric.Food Chem.* 40: 1086-1089.

EcoReference No.: 88978

Chemical of Concern: PMR,MLN; Habitat: T; Effect Codes: ACC; Rejection Code: NO

CONTROL(MLN,PMR).

399. Witschi, H. P. (1986). Separation of Early Diffuse Alveolar Cell Proliferation from Enhanced Tumor Development in Mouse Lung. *Cancer Res.* 46: 2675-2679.
- EcoReference No.: 75601
Chemical of Concern: PPB; Habitat: T; Effect Codes: CEL,PHY; Rejection Code: NO MIXTURE(PPB),NO COC(PMR).
400. Wolterbeek, H. T., Van der Meer, A. J. G. M., and Dielemans, U. (2000). On the Variability of Plant Bio-Concentration Factors (BCF) of Environmental Radionuclides: A Case Study on the Effects of Surface Film and Free Space on the Interpretation of 99mTcO₄- Sorption in Duckweed. *Sci.Total Environ.* 257: 177-190.
- EcoReference No.: 55708; Habitat: A; Effect Codes: ACC; Rejection Code: NO COC(PMR).
401. Yamamoto, A., Yoneda, H., Hatano, R., and Asada, M. (1995). Laboratory Selections of Populations in the Citrus Red Mite, *Panonychus citri* (McGregor), with Hexythiazox and Their Cross Resistance Spectrum. *J.Pestic.Sci.* 20: 493-501 .
- Chemical of Concern: PPB,HTX; Habitat: T; Rejection Code: TARGET(HTX),NO COC(PMR).
402. Yang, W., Gan, J., Hunter, W., and Spurlock, F. (2006). Effect of Suspended Solids on Bioavailability of Pyrethroid Insecticides. *Environ.Toxicol.Chem.* 25: 1585-1591.
- EcoReference No.: 99586
Chemical of Concern: PMR,BFT; Habitat: A; Effect Codes: ACC; Rejection Code: NO ENDPOINT,NO CONTROL(PMR,BFT).
403. Yap, H. H., Khoo, T. C., Tan, H. T., Chung, K. K., Yahaya, A. M., and Narayanan, V. S. (1988). Comparative Adulticidal and Larvicidal Effects of Thermal Fogging Formulations of Resigen and Malathion Against *Aedes aegypti* (Linnaeus) and *Culex quinquefasciatus* (Say) in Urban Areas, Malaysia. *Trop.Biomed.* 5: 125-130.
- EcoReference No.: 99669
Chemical of Concern: MLN; Habitat: AT; Effect Codes: MOR; Rejection Code: OK(MLN),NO COC(PMR).
404. Yokoyama, T., Saka, H., Fujita, S., and Nishiuchi, Y. (1988). Sensitivity of Japanese Eel, *Anguilla japonica*, to 68 Kinds of Agricultural Chemicals. *Bull.Agric.Chem.Insp.Stn.* 28: 26-33 (JPN) (ENG ABS).
- EcoReference No.: 8570
Chemical of Concern:
ACP,Captan,CBL,CTN,DMT,DS,DZ,FO,HXZ,MDT,MLN,MOM,PPG,PSM,TET,CYP,FVL,PMR,TF R,Cu,CuS,PCP,IZP,MCPP1; Habitat: A; Effect Codes: MOR; Rejection Code: NO CONTROL(PMR,PPG,PSM,DS,CPYM,CPY,HXZ).
405. You, J., Landrum, P. F., and Lydy, M. J. (2006). Comparison of Chemical Approaches for Assessing Bioavailability of Sediment-Associated Contaminants. *Environ.Sci.Technol.* 40: 6348-6353.
- EcoReference No.: 100204
Chemical of Concern: PMR,CPY; Habitat: T; Effect Codes: ACC; Rejection Code: NO ENDPOINT(PMR,CPY).
406. Yu, S. J. and Hsu, E. L. (1993). Induction of Detoxification Enzymes in Phytophagous Insects: Roles

of Insecticide Synergists, Larval Age, and Species. *Arch.Insect Biochem.Physiol.* 24: 21-32.

Chemical of Concern: PPB; Habitat: T; Rejection Code: NO COC(PMR).

407. Zitko, V., Carson, W. G., and Metcalfe, C. D. (1977). Toxicity of Pyrethroids to Juvenile Atlantic Salmon. *Bull.EnvIRON.Contam.Toxicol.* 18: 35-41.

EcoReference No.: 980

Chemical of Concern: PMR; Habitat: A; Effect Codes: ACC; Rejection Code: NO CONTROL(PMR),NO MODEL.

408. Zitko, V., McLeese, D. W., Metcalfe, C. D., and Carson, W. G. (1979). Toxicity of Permethrin, Decamethrin, and Related Pyrethroids to Salmon and Lobster. *Bull.EnvIRON.Contam.Toxicol.* 21: 338-343.

EcoReference No.: 5199

Chemical of Concern: PMR,PYT,DCM; Habitat: A; Effect Codes: MOR,PHY; Rejection Code: NO CONTROL(PMR,PYT,DCM).

G-2. ECOTOX Rejected Papers

- Agnihotrudu, V. and Gour, T. B. (1982). Control of Cotton Bollworms with Fenvalerate in India. *Crop Prot.* 1: 231-234.

EcoReference No.: 117939

Chemical of Concern: FNV,CBL,ES,PMR,CYP,DM,PHSL; Habitat: T; Effect Codes: POP; Code: EFFICACY(FNV),NO CONC(CBL,ES,PMR,CYP,DM).

- Ahdaya, S. and Guthrie, F. E. (1982). Stomach Absorption of Intubated Insecticides in Fasted Mice. *Toxicology* 22: 311-317.

EcoReference No.: 110948

Chemical of Concern: PMR,CPY,CBF,MLN,CBL; Habitat: T; Effect Codes: ACC; Code: NO ENDPOINT,NO CONTROL(PMR,CPY,CBF,MLN,CBL).

- Ali, A. and Mulla, M. S. (1978). Declining Field Efficacy of Chlorpyrifos Against Chironomid Midges and Laboratory Evaluation of Substitute Larvicides. *J.Econ.Entomol.* 71: 778-782.

EcoReference No.: 6268

Chemical of Concern: CYP,FNV,TMP,CPY,MLN,FNTH,DM,PMR; Habitat: A; Effect Codes: POP,MOR; Code: NO CONTROL(CYP,FNV,TMP,MLN,FNTH,DM,PMR),NO ENDPOINT,NO CONTROL(CPY).

- Amalraj, D. D. and Das, P. K. (1996). Toxicity of Insecticides to *Toxorhynchites splendens* and Three Vector Mosquitos and Their Sublethal Effect on Biocontrol Potential of the Predator. *Southeast Asian J.Trop.Med.Public Health* 27: 154-159.

EcoReference No.: 59254

Chemical of Concern: FNT,FNTH,TMP,MLN,DM,PPX,PMR; Habitat: A; Effect Codes: MOR,GRO,BEH; Code: LITE EVAL CODED(MLN,DM),OK(FNT,TMP),NO CONTROL(PMR,FNTH,PPX).

- Anderson, B. S., Lowe, S., Phillips, B. M., Hunt, J. W., Vorhees, J., Clark, S., and Tjeerdema, R. S. (2008). Relative Sensitivities of Toxicity Test Protocols with the Amphipods *Eohaustorius estuarius* and *Ampelisca abdita*. *Ecotoxicol.EnvIRON.Saf.* 69: 24-31.

- EcoReference No.: 101326
Chemical of Concern: CPY,BFT,CYP,PMR; Habitat: A; Effect Codes: MOR; Code: NO CONTROL(CPY,BFT,CYP,PMR).
- Andow, D. A. and Ostlie, K. R. (1990). First-Generation European Corn Borer (Lepidoptera: Pyralidae) Response to Three Conservation Tillage Systems in Minnesota. *J.Econ.Entomol.* 83: 2455-2461.
- EcoReference No.: 101805
Chemical of Concern: TBO,PMR; Habitat: T; Effect Codes: PHY,POP; Code: NO ENDPOINT(PMR),EFFICACY(TBO).
- Attia, F. I. (1977). Insecticide Resistance in *Plodia interpunctella* (Hubner) (Lepidoptera: Pyralidae) in New South Wales, Australia. *J.Aust.Entomol.Soc.* 16: 149-152.
- EcoReference No.: 47177
Chemical of Concern:
DDT,EN,HCCH,DLDD,DDVP,MVP,PRN,MP,CPY,Naled,CPYM,DZ,FNT,MLN,MOM,PMR,SMT,BRSM, PYN; Habitat: T; Effect Codes: MOR; Code: NO CONTROL(DDT,EN,HCCH,DLDD,DDVP,MVP,PRN,MP,CPY,Naled,CPYM,DZ,FNT,MLN,MOM,PMR, SMT,BRSM,PYN).
- Awasthi, M. D. (1989). Dissipation of Synthetic Pyrethroids and Monocrotophos Residues on Acid Lime (*Citrus aurantiifolia*) Fruits. *Indian J.Agric.Sci.* 59: 660-664 .
- EcoReference No.: 114417
Chemical of Concern: DM,FNV,CYP,PMR; Habitat: T; Effect Codes: ACC; Code: NO ENDPOINT(DM,FNV,CYP,PMR).
- Awasthi, M. D. (1986). Residues of Pyrethroid Treatments, Alone or with Foliar Urea, on Tomato. *Phytoparasitica* 14: 231-233.
- EcoReference No.: 112664
Chemical of Concern: EFV,DM,PMR,CYP; Habitat: T; Effect Codes: ACC; Code: NO ENDPOINT(EFV,DM,PMR,CYP).
- Azmi, M. A., Naqvi, S. N. H., Khan, M. F., Akhtar, K., and Khan, F. Y. (1998). Comparative Toxicological Studies of RB-a (Neem Extract) and Coopex (Permethrin+Bioallethrin) Against *Sitophilus oryzae* with Reference to Their Effects on Oxygen Consumption and GOT, GPT Activity. *Turk.J.Zool.* 22: 307-310.
- EcoReference No.: 117880
Chemical of Concern: PMR; Habitat: T; Effect Codes: MOR,BCM,PHY; Code: NO ENDPOINT(PMR).
- Baicu, T. (1982). Toxicity of Some Pesticides to *Trichoderma viride* Pers. *Crop Prot.* 1: 349-358.
- EcoReference No.: 84809
Chemical of Concern: DEF,DZ,Zineb,Captan,Folpet,BMY,FRM,CYP,FNV,CBL,DMT,TCF,PMR,CuOH; Habitat: T; Effect Codes: POP; Code: NO ENDPOINT(CYP,CuOH,FNV,CBL,DMT,TCF,PMR).
- Banerjee, B. (1982). A Strategy for the Control of *Andraca bipunctata* Walker on Tea. *Crop Prot.* 1: 115, 119 (doi: DOI: 10.1016/0261-2194(82)90063-1).
- EcoReference No.: 117654
Chemical of Concern: PMR,DM; Habitat: T; Effect Codes: POP; Code: NO ENDPOINT(PMR,DM).
- Bar-Zeev, M. (1980). Studies of Repellents Against *Panstrongylus megistus* (Hemiptera: Reduviidae) in Brazil.

J.Med.Entomol. 17: 70-74.

EcoReference No.: 111725

Chemical of Concern: PMR,ATN; Habitat: T; Effect Codes: BEH; Code: NO CONTROL,NO ENDPOINT(PMR,ATN).

Barbara, K. A. (2005). Management of Pest Mole Crickets Using the Insect Parasitic Nematode *Steinernema scapterisci*. *Ph.D.Thesis, Univ.of Florida, FL* 101 p. (UMI #3177943).

EcoReference No.: 113919

Chemical of Concern: FPN,ACP,BFT,IMC,DM,CYF,GLO,AZO,PMR; Habitat: T; Effect Codes: MOR,POP,GRO,PHY,REP,BEH; Code: LITE EVAL CODED(DM),NO ENDPOINT(IMC,BFT,ACP,FPN,CYF,PMR).

Bariola, L. A. and Bergman, D. (1982). Toxicity of Selected Insecticides to Boll Weevils in Arizona. *Southwest.Entomol.* 7: 142-145.

EcoReference No.: 110928

Chemical of Concern: MP,MLN,AZ,PMR,FNV; Habitat: T; Effect Codes: MOR; Code: NO CONTROL(MP,PMR,MLN,FNV,AZ).

Belanger, A., Vincent, C., and De Oliveira, D. (1990). A Field Study on Residues of Four Insecticides Used in Strawberry Protection. *J.Environ.Sci.Health Part B* 25: 615-625.

EcoReference No.: 89100

Chemical of Concern: DMT,MLN,PMR,CYP; Habitat: T; Effect Codes: ACC; Code: NO ENDPOINT(DMT,MLN,PMR,CYP).

Benezet, H. J., Huffman, B. B., and Helms, C. W. (1988). Comparative Toxicity of Selected Insecticides to the Cigarette Beetle at Different Temperatures. *Tob.Sci.* 32: 41-43.

EcoReference No.: 72099

Chemical of Concern: FNV,CYP,PMR,PYN,DDVP,PIRM,CPY,RSM; Habitat: T; Effect Codes: MOR; Code: NO CONTROL(FNV,CYP,PMR,DDVP,PIRM,CPY,RSM).

Bosone, E., Corda, F., Gozzo, F., Menconi, A., Piccardi, P., and Caprioli, V. (1986). Synthesis and Insecticidal Activity of 3-(Haloalkyl-1,3-Dienyl)-2,2-Dimethylcyclopropanecarboxylates. *Pestic.Sci.* 17: 621-630.

EcoReference No.: 117624

Chemical of Concern: CPMR,CYP; Habitat: T; Effect Codes: MOR; Code: NO CONTROL(CPMR,CYP).

Bostanian, N. J., Dondale, C. D., Binns, M. R., and Pitre, D. (1984). Effects of Pesticide Use on Spiders (Araneae) in Quebec Apple Orchards. *Can.Entomol.* 116: 663-675.

EcoReference No.: 35908

Chemical of Concern: AZ,PHSL,DMT,CHX,PSM,PMR,FNV,DZ,Captan,MEM,BMY,TPE; Habitat: T; Effect Codes: POP; Code: NO ENDPOINT(AZ,PHSL,DMT,CHX,PSM,PMR,FNV,DZ,Captan,MEM,BMY,TPE).

Bowman, J. S. and Everich, R. (1986). Control of Fall Armyworms on Late Season Sweet Corn with Whorl Treatments, 1985. *Insectic.Acaric.Tests* 11: 125 (167).

EcoReference No.: 88798

Chemical of Concern: TDC,MOM,MP,PMR,CBL,EFV; Habitat: T; Effect Codes: PHY; Code: TARGET(TDC,MOM,CBL,MP),NO MIXTURE(PMR,EFV).

Boyd, M. L. and Boethel, D. J. (1998). Susceptibility of Predaceous Hemipteran Species to Selected Insecticides on Soybean in Louisiana. *J.Econ.Entomol.* 91: 401-409 .

EcoReference No.: 63615

Chemical of Concern: CFP,EMMAB,MP,PMR,TDC; Habitat: T; Effect Codes: MOR; Code: NO CONTROL(CFP,EMMAB,MP,PMR,TDC).

Brempong-Yeboah, C. Y., Saito, T., and Miyata, T. (1984). The Selective Toxicity of Some Synthetic Pyrethroids in the Armyworm, *Pseudaletia separata* (Walker) III. Cuticle Permeabilities of Some Pyrethroids. *Appl.Entomol.Zool.* 19: 87-94.

EcoReference No.: 112566

Chemical of Concern: PMR,FNV,CHT; Habitat: T; Effect Codes: MOR,PHY; Code: NO ENDPOINT(PMR,CHT),TARGET(FNV).

Brempong-Yeboah, C. Y., Saito, T., and Miyata, T. (1984). Topical and Injection Toxicities of Some Pyrethroids in the Tobacco Cutworm, *Spodoptera litura* Fabricius. *J.Pestic.Sci.(Nippon Noyaku Gakkaiishi)* 9: 481-487.

EcoReference No.: 112900

Chemical of Concern: FPP,FNV,CYP,PMR,CHT,SMT,HCCH,FNT; Habitat: T; Effect Codes: MOR,PHY; Code: NO CONTROL(CHT,SMT,PMR,CYP,FNV,FPP).

Brempong-Yeboah, C. Y., Saito, T., and Miyata, T. (1984). Topical and Injection Toxicities of Some Pyrethroids to the German Cockroach, *Blattella germanica* (Dictyoptera: Blattellidae). *Appl.Entomol.Zool.* 19: 348-355.

EcoReference No.: 112414

Chemical of Concern: HCCH,PYN,PTR,FNT,FPP,FNV,CYP,PMR,CHT; Habitat: T; Effect Codes: MOR; Code: NO CONTROL(DM,FPP,CYP,FYT,TDC,PMR).

Brettell, J. H. (1984). Green Lacewings (Neuroptera: Chrysopidae) of Cotton Fields in Central Zimbabwe 3. Toxicity of Certain Acaricides, Aphicides and Pyrethroids to Larvae of *Chrysopa boninensis* Okamoto, *Chrysopa congrua* Walker and *Chrysopa pudica* Navas. *Zimbabwe J.Agric.Res* 22: 133-139.

EcoReference No.: 89352

Chemical of Concern: TDC,PIM,AMZ,FYT,PMR,CYF,DM,FNV; Habitat: T; Effect Codes: MOR; Code: NO CONTROL(TDC,PIM,AMZ,FYT,PMR,CYF,DM,FNV).

Brown, M. A. and Casida, J. E. (1984). Influence of Pyrethroid Ester, Oxime Ether, and Other Central Linkages on Insecticidal Activity, Hydrolytic Detoxification, and Physicochemical Parameters. *Pestic.Biochem.Physiol.* 22: 78-85.

EcoReference No.: 92893

Chemical of Concern: TBF,PPB,TPMR; Habitat: T; Effect Codes: MOR; Code: NO CONTROL(TPMR),NO MIXTURE(TBF,PPB).

Brown, T. M., Bryson, K., and Payne, G. T. (1982). Pyrethroid Susceptibility in Methyl Parathion-Resistant Tobacco Budworm in South Carolina. *J.Econ.Entomol.* 75: 301-303 .

EcoReference No.: 113775

Chemical of Concern: FNV,MP,PMR,ACP,SPS,CYP; Habitat: T; Effect Codes: MOR; Code: TARGET(CYP,MP),NO CONC(ACP,FNV,PMR).

Bull, D. L., Pryor, N. W., and King, E. G. Jr. (1987). Pharmacodynamics of Different Insecticides in *Microplitis croceipes* (Hymenoptera: Braconidae), a Parasite of Lepidopteran Larvae. *J.Econ.Entomol.* 80: 739-749.

EcoReference No.: 109957

- Chemical of Concern: PMR,FNV,MLN,AND,DDT; Habitat: T; Effect Codes: MOR,PHY,ACC; Code: NO CONTROL(FNV,PMR,MLN).
- Burrell, R. E., Stratton, G. W., and Corke, C. T. (1980). Interactions of Pesticides and Solvents in Microbial Sensitivity Tests . In: *J.F.Kalverkamp, S.L.Leonard, and K.E.Marshall (Eds.), Proc.6th Annual Aquatic Toxicity Workshop, Nov.6-7, 1979, Winnipeg, Manitoba, Can.Tech.Rep.Fish.Aquat.Sci.No.975* 123-130.
- EcoReference No.: 13882
Chemical of Concern: BMY,Captan,PMR; Habitat: A; Effect Codes: POP; Code: NO ENDPOINT(BMY,Captan,PMR).
- Byford, R. L., Sparks, T. C., Green, B., Knox, J., and Wyatt, W. (1988). Organophosphorus Insecticides for the Control of Pyrethroid-Resistant Horn Flies (Diptera: Muscidae). *J.Econ.Entomol.* 81: 1562-1566.
- EcoReference No.: 114522
Chemical of Concern: TVP,ETN,PIRM,TCF,MLN,DMT,PMR,FNV,CPY,CMPH,DZ; Habitat: T; Effect Codes: MOR,POP; Code: NO CONTROL(CPY,PMR,FNV,DZ,DMT,MLN,PIRM,TCF),NO ENDPOINT(TVP).
- Cabras, P., Cabitza, F., Meloni, M., and Pirisi, F. M. (1985). Behavior of Some Pesticide Residues on Greenhouse Tomatoes. 2. Fungicides, Acaricides, and Insecticides. *J.Agric.Food Chem.* 33: 935-937.
- EcoReference No.: 94207
Chemical of Concern: FRM,TDF,DCF,DM,PMR; Habitat: T; Effect Codes: ACC; Code: NO ENDPOINT,NO CONTROL(FRM,TDF,DCF,DM,PMR).
- Cagen, S. Z., Malley, L. A., Parker, C. M., Gardiner, T. H., Van Gelder, G. A., and Jud, V. A. (1984). Pyrethroid-Mediated Skin Sensory Stimulation Characterized by a New Behavioral Paradigm. *Toxicol.Appl.Pharmacol.* 76: 270-279.
- EcoReference No.: 106433
Chemical of Concern: FNV,CYP,DM,PMR,FYT; Habitat: T; Effect Codes: BEH,PHY; Code: OK(FNV),NO ENDPOINT(CYP,DM,PMR).
- Carriere, Y., Deland, J. P., and Roff, D. A. (1996). Obliquebanded Leafroller (Lepidoptera: Tortricidae) Resistance to Insecticides: Among-Orchard Variation and Cross-Resistance. *J.Econ.Entomol.* 89: 577-582.
- EcoReference No.: 112271
Chemical of Concern: CYP,AZ,CBL,PMR,FNV,DM,MOM,DMT,PIM,PSM; Habitat: T; Effect Codes: MOR,POP; Code: NO SURVEY(DMT,PIM,PSM,DM,FNV,PMR,CBL),NO ENDPOINT(AZ,CYP,MOM).
- Castella, J. and Estrada, A. (1994). Susceptibility of the Brown Dog Tick to Eight Acaricides, 1991. *Arthropod Manag.Tests* 19: 371 (4L).
- EcoReference No.: 106250
Chemical of Concern: CMPH,DZ,CYP,DM,PMR,AMZ; Habitat: T; Effect Codes: MOR; Code: NO CONTROL(CMPH,DZ,CYP,DM,PMR,AMZ,DM).
- Chang, C. K. and Jordan, T. W. (1983). Inhibition of Permethrin-Hydrolyzing Esterases from *Wiseana cervinata* Larvae. *Pestic.Biochem.Physiol.* 19: 190-195.
- EcoReference No.: 117980
Chemical of Concern: CPMR,PPB,CBL,PIRM; Habitat: T; Effect Codes: PHY,BCM; Code: NO ENDPOINT(CPMR),TARGET(CBL,PIRM),OK(PPB).

- Chang, C. K. and Jordan, T. W. (1982). Penetration and Metabolism of Topically Applied Permethrin and Cypermethrin in Pyrethroid-Tolerant *Wiseana cervinata* Larvae. *Pestic.Biochem.Physiol.* 17: 196-204.
- EcoReference No.: 117981
 Chemical of Concern: PMR,CYP,CPMR,TPMR,CBL,PPB; Habitat: T; Effect Codes: PHY,ACC; Code: NO ENDPOINT(CPMR,TPMR,PMR,CBL,PPB,CYP).
- Chang, C. P. (1983). DDT and Pyrethroids: Mode of Action and Mechanism of Target Site Resistance, Selectivity and Synergism. *Ph.D Thesis, Texas A&M University* 114 p. (UMI#8323655).
- EcoReference No.: 117626
 Chemical of Concern: PMR,DDT,CPMR,AND,CYP,PRN; Habitat: T; Effect Codes: CEL; Code: NO CONTROL(PMR,CPMR,CYP).
- Chapman, P. A., Webb, D. P., and Walker, S. J. (1993). The Potential of Some Newer Photostable Pyrethroids to Select for Resistance in the Housefly *Musca domestica* (Diptera: Muscidae). *Bull.Entomol.Res.* 83 : 517-521.
- EcoReference No.: 101447
 Chemical of Concern: PPB,PMR,DM,CYP; Habitat: T; Effect Codes: POP,MOR; Code: NO CONTROL(PPB,PMR,CYP,DM).
- Chen, J. S., Lee, C. J., Yao, M. G., and Sun, C. N. (1985). Effect of Pyrethroids on Knockdown and Lack of Coordination Responses of Susceptible and Resistant Diamondback Moth (Lepidoptera: Plutellidae). *J.Econ.Entomol.* 78: 1198-1202.
- EcoReference No.: 92650
 Chemical of Concern: DDT,FYT,FVL,FNV,TMT,FPP,PMR,CYP,DM,TLM,PPB,TBF,SMT; Habitat: T; Effect Codes: MOR; Code: NO CONTROL(FVL,TMT,PMR,CYP,FNV,TLM,FPP),NO CONTROL,NO ENDPOINT(PPB,TBF).
- Chen, J. S. and Sun, C. N. (1986). Resistance of Diamondback Moth (Lepidoptera: Plutellidae) to a Combination of Fenvalerate and Piperonyl Butoxide. *J.Econ.Entomol.* 79: 22-30.
- EcoReference No.: 93271
 Chemical of Concern: TBF,FNV,PPB,CBF,CBL,MOM,MTM,PMR,CYP,DM,ACP,DZ,MVP,PPF; Habitat: T; Effect Codes: MOR; Code: NO MIXTURE(TBF,PPB),NO CONTROL(FNV,CBL,MOM,MTM,PMR,CYP,PPF,DZ,ACP,CBF,DM).
- Chung, T. C., Sun, C. N., and Hung, C. Y. (1982). Resistance of *Nilaparvata lugens* to Six Insecticides in Taiwan. *J.Econ.Entomol.* 75: 199-200.
- EcoReference No.: 113770
 Chemical of Concern: MLN,MP,PPX,PMR,FNV; Habitat: T; Effect Codes: MOR; Code: NO CONTROL(MLN,MP,PPX,PMR,FNV).
- Cilek, J. E. and Knapp, F. W. (1993). Influence of Insecticide Mixtures Impregnated in Cattle Ear Tags for Management of Pyrethroid-Resistant Horn Flies (Diptera: Muscidae). *J.Econ.Entomol.* 86: 444-449.
- EcoReference No.: 92604
 Chemical of Concern: PMR,CYH,PPB,TBF,CYP,CPY; Habitat: T; Effect Codes: MOR; Code: NO MIXTURE(PPB,TBF,CYP,CPY),NO CONTROL(PMR,CYH).
- Clarke, S. R., DeBarr, G. L., and Liu, T. X. (1992). Contact Toxicities of Five Pyrethroid and Four Organophosphorous Insecticides to *Toumeyella parvicornis* (Cockerell) Crawlers. *Can.Entomol.* 124: 563-564.

- EcoReference No.: 88950
 Chemical of Concern: CPY,MLN,BFT,ACP,AZ,EFV,FVL,FNV,PMR; Habitat: T; Effect Codes: MOR; Code: NO CONTROL(CPY,MLN,BFT,ACP,AZ,EFV,FVL,FNV,PMR).
- Cochran, D. G. (1991). Extended Selections for Pyrethroid Resistance in the German Cockroach (Dictyoptera: Blattellidae). *J.Econ.Entomol.* 84: 1412-1416.
- EcoReference No.: 112456
 Chemical of Concern: CYP,CYH,EFV,FNV,PMR,ATN,SMT; Habitat: T; Effect Codes: MOR; Code: NO CONTROL,NO ENDPOINT(CYP,EFV,FNV,PMR,ATN,SMT).
- Cochran, D. G. (1987). Selection for Pyrethroid Resistance in the German Cockroach (Dictyoptera: Blattellidae). *J.Econ.Entomol.* 80: 1117-1121.
- EcoReference No.: 93300
 Chemical of Concern: ATN,TBF,PPB,PMR,FNV,SMT,CYF; Habitat: T; Effect Codes: MOR; Code: NO MIXTURE(PPB,TBF),NO CONTROL(ATN,PMR,FNV,CYF).
- Cochran, D. G. (1995). Standard Insecticide-Susceptible Strain for the German Cockroach (Dictyoptera: Blattellidae). *J.Econ.Entomol.* 88: 1542-1544.
- EcoReference No.: 112350
 Chemical of Concern: CYF,PMR,ATN,PPX,MLN,ACP,CPY,DZ,FNV,PTR,PYN,BDC; Habitat: T; Effect Codes: MOR; Code: NO CONTROL(CYF,PMR,ATN,PPX,MLN,ACP,CPY,DZ,FNV,EFV).
- Collins, P. J. (1990). A New Resistance to Pyrethroids in *Tribolium castaneum* (Herbst). *Pestic.Sci.* 28: 101-115.
- EcoReference No.: 93114
 Chemical of Concern: FYT,DPTR,PMR,SMT,MTPN,MLN,CPYM,BRSM,CBL,CYF,PPB,TBF,CYP,FNV,FVL,CYH,DM,FNT,CYT,PIRM; Habitat: T; Effect Codes: MOR,REP; Code: NO CONTROL(PMR,SMT,MTPN,MLN,BRSM,CBL,CYF,CYP,FNV,FVL,DM,FNT,PIRM,CPYM,TBF,PPB).
- Corbel, V., Duchon, S., Zaim, M., and Hougard, J. M. (2004). Dinotefuran: A Potential Neonicotinoid Insecticide Against Resistant Mosquitoes. *J.Med.Entomol.* 41: 712-717.
- EcoReference No.: 101016
 Chemical of Concern: DM,TMP,DDT,DNF,PMR,BFT,PPX; Habitat: AT; Effect Codes: MOR; Code: NO CONTROL(DM,TMP,DDT,DNF,PMR,BFT,PPX).
- Cox, R. L. and Wilson, W. T. (1987). The Behavior of Insecticide-Exposed Honey Bees. *Am.Bee J.* 127: 118-119.
- EcoReference No.: 107782
 Chemical of Concern: DLD,PRN,CBF,PMR,IMD; Habitat: T; Effect Codes: BEH; Code: NO ENDPOINT(PMR,CBF).
- Daaboub, J., Ben Cheikh, R., Lamari, A., Ben Jha, I., Feriani, M., Boubaker, C., and Ben Cheikh, H. (2008). Resistance to Pyrethroid Insecticides in *Culex pipiens pipiens* (Diptera: Culicidae) from Tunisia. *Acta Trop.* 107: 30-36.
- EcoReference No.: 114703
 Chemical of Concern: PPB,DDT,PMR,DM; Habitat: A; Effect Codes: MOR; Code: OK(PPB),NO CONTROL(DM,PMR).

Davari, B., Vatandoost, H., Oshaghi, M. A., Ladonni, H., Enayati, A. A., Shaeghi, M., Basseri, H. R., Rassi, Y., and Hanafi-Bojd, A. A. (2007). Selection of *Anopheles stephensi* with DDT and Dieldrin and Cross-Resistance Spectrum to Pyrethroids and Fipronil. *Pestic.Biochem.Physiol.* 89: 97-103.

EcoReference No.: 106242

Chemical of Concern: LCYT,FPN,DM,PMR,CYF,DDT,PPB; Habitat: T; Effect Codes: MOR; Code: NO CONTROL(LCYT,FPN,DM,PMR,CYF,DDT),NO MIXTURE(PPB).

Davis, R. S. and Peterson, R. K. D. (2008). Effects of Single and Multiple Applications of Mosquito Insecticides on Nontarget Arthropods. *J.Am.Mosq.Control Assoc.* 24: 270-280.

EcoReference No.: 117935

Chemical of Concern: SMT,MTPN,PPB,PMR; Habitat: AT; Effect Codes: POP; Code: OK(SMT,MTPN),NO MIXTURE(PMR,PPB).

De Licastro, S. A., Zerba, E. N., Wood, E., and De Villar, M. I. P. (1982). The Insecticidal and Anticholinesterase Activities of O,O-Diethyl O-4-(2,2-Disubstituted Vinyl)Phenyl Phosphates and Phosphorothioates. *Pestic.Sci.* 13: 505-512.

EcoReference No.: 36371

Chemical of Concern: PRN,HCCH,PPX,MLN,FNT,DDVP,PIRM,BDC,PMR,DM; Habitat: T; Effect Codes: MOR; Code: NO CONTROL(PRN,HCCH,PPX,MLN,FNT,DDVP,PIRM,BDC,PMR,DM).

De Sousa, B., Schmid, W., Hefti, H., and Bellus, D. (1982). The Biological Evaluation of Pyrethroids as Potential Mothproofing Agents. I. Esters of 2-Substituted 3,3-Dimethylcyclopropane-1-Carboxylic Acids. *J.Soc.Dyers Colour.* 98: 79-84.

EcoReference No.: 112439

Chemical of Concern: CHT,DM,CYP,PMR,SMT; Habitat: T; Effect Codes: MOR; Code: NO CONTROL,NO ENDPOINT(CHT,DM,CYP,PMR,SMT).

Desmarchelier, J. M. (1976). Analysis of Pyrethroids on Grains. *J.Stored Prod.Res.* 12: 245-252.

EcoReference No.: 91660

Chemical of Concern: BRSM,PMR,TMT; Habitat: T; Effect Codes: ACC; Code: NO COC(SMT),NO ENDPOINT,CONTROL(BRSM,PMR,TMT).

Devaud, L. L. and Murray, T. F. (1988). Involvement of Peripheral-Type Benzodiazepine Receptors in the Proconvulsant Actions of Pyrethroid Insecticides. *J.Pharmacol.Exp.Ther.* 247: 14-22.

EcoReference No.: 91945

Chemical of Concern: MCPMR,PCPMR,CPY,PMR,TMT,ATN,DM,CYP; Habitat: T; Effect Codes: PHY; Code: LITE EVAL CODED(TMT,ATN),NO IN VITRO(DM),NO EXP TYPE(MCPMR,PCPMR,PMR,CYP,CPY).

Dodd, C. A. and Klein, B. G. (2009). Pyrethroid and Organophosphate Insecticide Exposure in the 1-Methyl-4-Phenyl-1,2,3,6-Tetrahydropyridine Mouse Model of Parkinson's Disease: An Immunohistochemical Analysis of Tyrosine Hydroxylase and Glial Fibrillary Acidic Protein in Dorsolateral Striatum. *Toxicol.Ind.Health* 25: 25-39.

EcoReference No.: 117764

Chemical of Concern: PMR,CPY; Habitat: T; Effect Codes: CEL,PHY; Code: NO EXP TYPE(CPY,PMR).

Dowd, P. F. (1985). Permethrin and Fenvalerate Hydrolysis in *Pseudoplusia includens* (Walker) and *Heliothis virescens* (F.). *Ph.D Thesis Louisiana State University and Agricultural & Mechanical College, Baton*

Rouge, LA 383 p. (UMI#8610635).

EcoReference No.: 117840

Chemical of Concern:

PFF,FPP,PSM,SPS,MPO,PRN,CBL,EDTA,PPB,MP,DEF,DEM,ACP,CPMR,FNV,TPRM,CBF,MOM,TB C,HgCl₂,CuCl,Hg,Cu,CdCl,MnCl,ZnCl₂,PbN,CoCl,MgCl,SFL,CN,CYP,PPB,PTR,PMR,TLM,FVL,ATN, RSM; Habitat: T; Effect Codes: MOR,PHY; Code: NO CONTROL(FNV,CPMR,TPMR),NO IN VITRO(MP,CBL,CBF,MOM,SFL,PFF,FPP,RSM,CYP,CuCl,Cu,CdCl,ZnCl₂,ACP,TLM,FVL,ATN,CN,P PB),NO MIXTURE(PSM).

Dowd, P. F., Gagne, C. C., and Sparks, T. C. (1987). Enhanced Pyrethroid Hydrolysis in Pyrethroid-Resistant Larvae of the Tobacco Budworm, *Heliothis virescens* (F.). *Pestic.Biochem.Physiol.* 28: 9-16.

EcoReference No.: 92979

Chemical of Concern: PMR,TBF,PPB; Habitat: T; Code: NO CONTROL(PMR,TBF,PPB,CYA).

Dowd, P. F. and Sparks, T. C. (1987). Comparative Hydrolysis of Permethrin and Fenvalerate in *Pseudoplusia includens* (Walker) and *Heliothis virescens* (F.). *Pestic.Biochem.Physiol.* 27: 123-131.

EcoReference No.: 118782

Chemical of Concern: TPMR,CPMR,FNV; Habitat: T; Effect Codes: MOR,BCM; Code: NO CONTROL(TPMR,CPMR,FNV).

Dowd, P. F. and Sparks, T. C. (1984). Developmental Changes in trans-Permethrin and alpha-Naphthyl Acetate Ester Hydrolysis During the Last Larval Instar of *Pseudoplusia includens*. *Pestic.Biochem.Physiol.* 21: 275, 282 (doi: DOI: 10.1016/0048-3575(84)90064-6).

Chemical of Concern: CPMR; Habitat: T; Code: NO CONTROL(CPMR).

Dowd, P. F. and Sparks, T. C. (1987). Inhibition of trans-Permethrin Hydrolysis in *Pseudoplusia includens* (Walker) and Use of Inhibitors as Pyrethroid Synergists. *Pestic.Biochem.Physiol.* 27: 237-245.

EcoReference No.: 99890

Chemical of Concern:

PFF,FPP,PSM,SPS,MPO,PRN,MP,DEF,DEM,ACP,CBL,CBF,MOM,TBC,EDTA,HgCl₂,CuCl,Hg,Cu,Cd Cl,CPMR,TPMR,MnCl₂,ZnCl₂,PbN,CoCl,MgCl,SFL,CN,CYP,PPB,PTR,PMR,TLM,FNV,FVL,ATN,RS M; Habitat: T; Effect Codes: MOR,PHY; Code: NO CONTROL(FNV,TPMR),NO IN VITRO(MP,CBL,CBF,MOM,SFL,CYP,CPMR,PMR),NO MIXTURE(PSM).

Drummond, R. O. (1988). Susceptibility of the Gulf Coast Tick (Acari: Ixodidae) to Acaricides. *J.Econ.Entomol.* 81: 1140-1142.

EcoReference No.: 114521

Chemical of Concern: AsTO,TVP,PMR,MLN,PSM,DZ,CPY,CBL,AMZ,CMPH,HCCH,TXP; Habitat: T; Effect Codes: REP; Code: NO CONTROL(TVP,PMR,MLN,PSM,DZ,CPY,CBL,AMZ).

El-Guindy, M. A., Rahman, A., El-Refai, M., and Abdel-Sattar, M. M. (1983). The Pattern of Cross-Resistance to Insecticides and Juvenile Hormone Analogues in a Diflubenzuron-Resistant Strain of the Cotton Leaf Worm *Spodoptera littoralis* Bois. *Pestic.Sci.* 14: 235-245.

EcoReference No.: 93120

Chemical of Concern:

TDC,FNT,SPS,MP,PMR,FPP,FVL,DM,CYF,MTPN,DFZ,EN,CYP,DFZ,TBF,FNV,CPY,MOM,PFF; Habitat: T; Effect Codes: MOR; Code: NO CONTROL(TDC,FNT,SPS,MP,PMR,FPP,FVL,DM,CYF,MTPN,DFZ,EN,CYP,DFZ,TBF,FNV,CPY,MO M,PFF).

- Enayati, A. A. and Ladonni, H. (2006). Biochemical Assay Baseline Data of Permethrin Resistance in *Anopheles stephensi* (Diptera, Culicidae) from Iran. *Pak.J.Biol.Sci.* 9: 1265-1270.
- EcoReference No.: 114850
Chemical of Concern: PMR; Habitat: T; Effect Codes: MOR,BCM; Code: NO CONTROL(PMR).
- Evans, N. J. (1985). The Effectiveness of Various Insecticides on Some Resistant Beetle Pests of Stored Products from Uganda. *J.Stored Prod.Res.* 21: 105, 109 (doi: DOI: 10.1016/0022-474X(85)90030-X).
- EcoReference No.: 117656
Chemical of Concern: MLN,HCCH,DM,PMR,FNT,PIRM; Habitat: T; Effect Codes: MOR,POP; Code: NO ENDPOINT(PMR),TARGET(MLN,DM,FNT,PIRM).
- Fettig, C. J., DeGomez, T. E., Gibson, K. E., Dabney, C. P., and Borys, R. R. (2006). Effectiveness of Permethrin plus-C (Masterline) and Carbaryl (Sevin SL) for Protecting Individual, High-Value Pines (*Pinus*) from Bark Beetle Attack. *Arboric.Urban For.* 32: 247-252.
- EcoReference No.: 117918
Chemical of Concern: CBL,PMR; Habitat: T; Effect Codes: MOR; Code: TARGET(CBL),NO ENDPOINT(PMR).
- Flodstrom, S., Warngard, L., Ljungquist, S., and Ahlborg, U. G. (1988). Inhibition of Metabolic Cooperation In Vitro and Enhancement of Enzyme Altered Foci Incidence in Rat Liver by the Pyrethroid Insecticide Fenvalerate. *Arch.Toxicol.* 61: 218-223 .
- EcoReference No.: 92952
Chemical of Concern: DM,FNV,PMR,CYP; Habitat: T; Effect Codes: GRO,BCM,CEL; Code: LITE EVAL CODED(FNV),NO IN VITRO(CYP,PMR,DM).
- Flood, B. R. (1986). European Corn Borer Control in Snap Beans, 1984. *Insectic.Acaric.Tests* 11: 105-106 (136).
- EcoReference No.: 87890
Chemical of Concern: PDM,ACP,CYH,CYF,TDC,PMR,BFT,CBL,CYP; Habitat: T; Effect Codes: POP,PHY; Code: NO ENDPOINT(PMR),TARGET(CBL,TDC,PDM,ACP,CYF,BFT,CYP).
- Frances, S. P. (1987). Effectiveness of DEET and Permethrin, Alone, and in a Soap Formulation as Skin and Clothing Protectants Against Mosquitoes in Australia. *J.Am.Mosq.Control Assoc.* 3: 648-650.
- EcoReference No.: 100619
Chemical of Concern: DEET,PMR; Habitat: T; Effect Codes: BEH; Code: NO ENDPOINT(DEET,PMR),NO COC(ASFA).
- Fuchs, M. E. A. (1988). Flushing Effects of Pyrethrum and Pyrethroid Insecticides Against the German Cockroach (*Blattella germanica* L.). *Pyrethrum Post* 17: 3-7.
- EcoReference No.: 112852
Chemical of Concern: PPB,CYF,CYP,DM,CHT,TMT,PMR,RSM,SMT,TMT; Habitat: T; Effect Codes: BEH; Code: NO CONTROL,NO ENDPOINT(PPB,CYF,CYP,DM,CHT,TMT,PMR,RSM,SMT,TMT).
- Gammon, D. W., Lawrence, L. J., and Casida, J. E. (1982). Pyrethroid Toxicology: Protective Effects of Diazepam and Phenobarbital in the Mouse and the Cockroach. *Toxicol.Appl.Pharmacol.* 66: 290-296.
- EcoReference No.: 109199
Chemical of Concern: DM,FNV,PMR,DTATN; Habitat: T; Effect Codes: MOR; Code: LITE EVAL CODED(DM,FNV,DTATN),NO CONTROL(PMR).

Gaughan, L. C., Engel, J. L., and Casida, J. E. (1980). Pesticide Interactions: Effects of Organophosphorus Pesticides on the Metabolism, Toxicity, and Persistence of Selected Pyrethroid Insecticides. *Pestic.Biochem.Physiol.* 14: 81-85.

EcoReference No.: 89315

Chemical of Concern: DEF, PFF, SPS, CYP, FNV, MLN, AZ, MP, ACP, CBL, MOM, MTPMR, PCPMR; Habitat: T; Effect Codes: BCM, MOR; Code: LITE EVAL CODED(PFF), OK(DEF, SPS), NO MIXTURE(FNV, MLN, MTPMR, PCPMR), NO CONTROL(AZ, MP, CBL, MOM).

Goel, S. C. and Kumar, V. (1988). Bioefficacy of Four Synthetic Pyrethroids Against *Plusia orichalcea* Fabr. Feeding on Sunflower. *Entomon* 13: 207-209.

EcoReference No.: 92538

Chemical of Concern: DM, CYP, FNV, PMR; Habitat: T; Effect Codes: MOR; Code: NO CONTROL(CYP, FNV, PMR, DM).

Gough, N. and Qayyum, A. (1987). Trials of Miticides Against Twospotted Mite and Broad Mite on Fuchsias with Comments on Phytotoxicity. *Qld.J.Agric.Anim.Sci.* 44: 21-30.

EcoReference No.: 103953

Chemical of Concern: DCF, FVL, PPG, MDT, DMT, ES, CTZ, ACP, CHX, DIE, OTQ, DZ, MTM, PMR; Habitat: T; Effect Codes: MOR, BEH, PHY; Code: NO ENDPOINT(CTZ, ES, FVL, PPG, MDT, DMT, ACP, DZ, MTM, PMR, DCF).

Grafius, E. (1986). Effects of Temperature on Pyrethroid Toxicity to Colorado Potato Beetle (Coleoptera: Chrysomelidae). *J.Econ.Entomol.* 79: 588-591.

EcoReference No.: 114923

Chemical of Concern: FYT, PMR, CYP, AZ, FNV; Habitat: T; Effect Codes: MOR; Code: NO CONTROL(PMR, FNV, AZ, CYP).

Grissom, R. E. Jr., Brownie, C., and Guthrie, F. E. (1987). In Vivo and In Vitro Dermal Penetration of Lipophilic and Hydrophilic Pesticides in Mice. *Bull.EnvIRON.Contam.Toxicol.* 38: 917-924.

EcoReference No.: 93124

Chemical of Concern: FNV, 24DXY, 24D, PMR; Habitat: T; Effect Codes: ACC; Code: NO CONTROL(FNV, 24D, PMR).

Guerrero, F. D., Alison, M. W. Jr., Kammlah, D. M., and Foil, L. D. (2002). Use of the Polymerase Chain Reaction to Investigate the Dynamics of Pyrethroid Resistance in *Haematobia irritans irritans* (Diptera: Muscidae). *J.Med.Entomol.* 39: 747-754.

EcoReference No.: 69411

Chemical of Concern: PMR, PIRM, PPB, DZ, LCYT; Habitat: T; Effect Codes: MOR, CEL; Code: NO CONTROL(PMR, PPB, LCYT), TARGET(DZ, PIRM).

Gurecki, T., Smilowitz, Z., Rebarchak, P., and Yocum, J. O. (1987). Foliar Insecticide Efficacy Trial, 1986. *Insectic.Acaric.Tests* 12: 135-138 (157).

EcoReference No.: 88639

Chemical of Concern: ADC, PMR, FNV, EFV, CYH, ES; Habitat: T; Effect Codes: POP; Code: NO CONTROL(ADC), NO MIXTURE(PMR, FNV, EFV, CYH, ES).

Haddad, P. R., Brayan, J. G., Sharp, G. J., Dilli, S., and Desmarchelier, J. M. (1989). Determination of Pyrethroid Residues on Paddy Rice by Reversed-Phase high-Performance Liquid Chromatography. *J.Chromatogr.* 461: 337-346.

- EcoReference No.: 92607
 Chemical of Concern: PPB,FNV,BRSM,PMR,DM; Habitat: T; Effect Codes: ACC; Code: NO CONTROL,NO ENDPOINT(PPB,FNV,BRSM,PMR,DM).
- Hall, R. A. (1981). Laboratory Studies on the Effects of Fungicides, Acaricides and Insecticides on the Entomopathogenic Fungus, *Verticillium lecanii*. *Entomol.Exp.Appl.* 29: 39-48.
- EcoReference No.: 94390
 Chemical of Concern:
 PMR,PIM,MLN,DFZ,DCF,DZ,CHX,BMY,Captan,CTN,DINO,FRM,IPD,ILL,Maneb,OXC,TFR,VCZ,Zineb,CBL; Habitat: T; Effect Codes: POP,REP; Code: NO ENDPOINT(PMR,PIM,MLN,DFZ,DCF,DZ,CHX,BMY,Captan,CTN,DINO,FRM,IPD,ILL,Maneb,OXC,TFR,VCZ,Zineb,CBL),NO COC(QOC,BS).
- Hama, H. (1987). Development of Pyrethroid Resistance in the Diamondback Moth, *Plutella xylostella* LINNE (Lepidoptera: Yponomeutidae). *Appl.Entomol.Zool.* 22: 166-175.
- EcoReference No.: 112647
 Chemical of Concern:
 FNV,PMR,RSM,CYP,CHT,SMT,FPP,TMT,FVL,MLN,PPF,MOM,CBL,PPB,DDT,PYN; Habitat: T; Effect Codes: MOR; Code: NO MIXTURE(PPB),NO CONTROL(CHT,FNV,PMR,CYP,SMT,FPP,TMT,FVL,MLN,PPF,MOM,CBL).
- Han, Z., Moores, G. D., Denholm, I., and Devonshire, A. L. (1998). Association Between Biochemical Markers and Insecticide Resistance in the Cotton Aphid, *Aphis gossypii* Glover. *Pestic.Biochem.Physiol.* 62: 164-171.
- EcoReference No.: 108718
 Chemical of Concern: PIM,PMR; Habitat: T; Effect Codes: BCM; Code: NO CONTROL(PIM,PMR).
- Hara, A. H. and Kaya, H. K. (1983). Development of the Entomogenous Nematode, *Neoaplectana carpocapsae* (Rhabditida: Steinernematidae), in Insecticide-Killed Beet Armyworm (Lepidoptera: Noctuidae). *J.Econ.Entomol.* 76: 423-426.
- EcoReference No.: 113227
 Chemical of Concern: MOM,TCF,PMR,FNV,MVP,FMP; Habitat: T; Effect Codes: MOR,BEH; Code: NO ENDPOINT(PMR),TARGET(MOM,TCF,FNV,MVP,FMP).
- Harrill, J. A., Li, Z., Wright, F. A., Radio, N. M., Mundy, W. R., Tornero-Velez, R., and Crofton, K. M. (2008). Transcriptional Response of Rat Frontal Cortex Following Acute In Vivo Exposure to the Pyrethroid Insecticides Permethrin and Deltamethrin. *BMC Genomics* 9: 1-23.
- EcoReference No.: 114149
 Chemical of Concern: DM,PMR; Habitat: T; Effect Codes: CEL; Code: NO ENDPOINT(DM,PMR).
- Harris, C. R. and Turnbull, S. A. (1986). Contact Toxicity of Some Pyrethroid Insecticides, Alone and in Combination with Piperonyl Butoxide, to Insecticide-Susceptible and Pyrethroid-Resistant Strains of the Colorado Potato Beetle (Coleoptera: Chrysomelidae). *Can.Entomol.* 118: 1173-1176.
- EcoReference No.: 74886
 Chemical of Concern: FNV,CYP,PMR,PPB; Habitat: T; Effect Codes: MOR; Code: NO CONTROL(PMR,FNV,CYP),NO MIXTURE(PPB).
- Harvey, T. L. and Brethour, J. R. (1986). Clinical Evaluation of Insecticide-Impregnated Tags Attached to Chains and Used as Backrubbers for Control of *Haematobia irritans*. *Vet.Parasitol.* 22: 303-306.

EcoReference No.: 93087

Chemical of Concern: FNV,PMR; Habitat: T; Effect Codes: POP; Code: NO ENDPOINT(PMR,FNV).

Hassan, S. A., Albert, R., Bigler, F., Blaisinger, P., Bogenschutz, H., Boller, E., Brun, J., Chiverton, P., Edwards, P., Englert, W. D., Huang, P., Inglesfield, C., Naton, E., Oomen, P. A., Overmeer, W. P. J., Rieckmann, W., Samsoe-Petersen, L., Staubli, A., Tuset, J. J., Viggiani, G., and Vanwetswinkel, G. (1987). Results of the Third Joint Pesticide Testing Programme by the IOBC/WPRS-Working Group "Pesticides and Beneficial Organisms". *J.Appl.Entomol.* 103: 92-107.

EcoReference No.: 59146

Chemical of Concern: AMTL,ACP,PHMD,AMZ,PMR,SZ,CBL,MOM,MZB,PZM,Captan,CTN,DFZ;
Habitat: T; Effect Codes: MOR,POP,PHY; Code: NO CONTROL(SZ,PHMD),NO
ENDPOINT(AMTL,ACP,AMZ,PMR,CBL,MOM,MZB,PZM,Captan,CTN,DFZ).

Hassouna, I., Wickert, H., El-Elaimy, I., Zimmermann, M., and Herdegen, T. (1996). Systemic Application of Pyrethroid Insecticides Evokes Differential Expression of c-Fos and c-Jun Proteins in Rat Brain. *Neurotoxicology* 17: 415-432.

EcoReference No.: 77052

Chemical of Concern: CYP,PMR; Habitat: T; Effect Codes: CEL; Code: LITE EVAL
CODED(CYP),NO EXP TYPE(PMR).

Hauerland, N. H. and Bowers, W. S. (1986). Binding of Insecticides to Lipophorin and Arylphorin, Two Hemolymph Proteins of *Heliothis zea*. *Arch.Insect Biochem.Physiol.* 3: 87-96.

EcoReference No.: 109943

Chemical of Concern: CBL,MLN,TFN,DLD,PMR,DDT; Habitat: T; Effect Codes: BCM; Code: NO
ENDPOINT,NO CONTROL(CBL,MLN,TFN,PMR).

Head, G., Hoy, C. W., and Hall, F. R. (1998). Genetics of Response to Permethrin in Unexposed Diamondback Moth (Lepidoptera: Plutellidae) Populations. *Ann.Entomol.Soc.Am.* 91: 217-221.

EcoReference No.: 72782

Chemical of Concern: PMR; Habitat: T; Effect Codes: BEH,PHY,MOR; Code: NO ENDPOINT(PMR).

Hellman, J. L. and Patton, T. W. (1988). Control of Green June Beetle Grubs on a Golf Course, 1986.

Insectic.Acaric.Tests 13: 363 (68G).

EcoReference No.: 88823

Chemical of Concern: DZ,CBL,IZF,CYF,ACP,TCF,CPY,PMR; Habitat: T; Effect Codes: POP; Code:
NO ENDPOINT(DZ,CBL,IZF,CYF,ACP,TCF,PMR),TARGET(CPY).

Herath, P. R. J. and Davidson, G. (1981). Multiple Resistance in *Anopheles albimanus*. *Mosq.News* 41: 535-539.

EcoReference No.: 92588

Chemical of Concern: PPX,DM,PMR,FNTH,PIRM,FNT,MLN,PPB,TBF; Habitat: T; Effect Codes:
MOR; Code: NO MIXTURE(TBF,PPB),NO CONTROL,NO
ENDPOINT(PPX,DM,PMR,FNTH,PIRM,FNT,MLN,).

Hislop, R. G. and Prokopy, R. J. (1981). Integrated Management of Phytophagous Mites in Massachusetts (U.S.A.) Apple Orchards. 2. Influence of Pesticides on the Predator *Amblyseius fallacis* (Acarina: Phytoseiidae) Under Laboratory and Field Conditions. *Prot.Ecol.* 3: 157-172.

EcoReference No.: 70632

Chemical of Concern:
MOM,CBL,PHSL,DZ,DEM,DMT,FNV,PMR,PPHD,MLN,PSM,AZ,MP,ES,MXC,FTTCl,DCF,CHX,PPG,

FBOX,BMY,DOD,Maneb,THM,Captan,FBM,PAQT,GYP,SZ,DMZ,EPH,NAA,CaCl₂; Habitat: T; Effect Codes: MOR,REP,POP; Code: NO
ENDPOINT(MOM,CBL,PHSL,DZ,DEM,DMT,FNV,PMR,PPHD,MLN,PSM,AZ,MP,ES,MXC,FTTCI,DC,CF,CHX,PPG,FBOX,BMY,DOD,Maneb,THM,Captan,FBM,PAQT,GYP,SZ,DMZ,EPH,NAA,CaCl₂).

Hluchy, M., Pospisil, Z., and Zacharda, M. (1991). Phytophagous and Predatory Mites (Acari: Tetranychidae, Eriophyidae, Phytoseiidae, Stigmaeidae) in South Moravian Vineyards, Czechoslovakia, Treated with Various Types of Chemicals. *Exp.Appl.Acarol.* 13: 41-52.

EcoReference No.: 92002

Chemical of Concern: DM,MZB,FNT,TCF,DCF,ES,Cu,SFR,CYP,PMR; Habitat: T; Effect Codes: MOR,POP; Code: NO MIXTURE(MZB,Cu,CYP,PMR),TARGET(SFR,TCF,FNT,ES,DCF,DM).

Holan, G., Johnson, W. M. P., O'Keefe, D. F., Rihs, K., Smith, D. R. J., Virgona, C. T., Walser, R., and Haslam, J. M. (1983). New Aryl-Polyfluorocyclobutane Insecticides. Chemical and Biological Studies. In: *J.Miyamoto and P.C.Kearney (Eds.), Proc.5th Int.Congr.of Pestic.Chem., Pesticides Chemistry: Human Welfare and the Environment, Aug.29-Sept.4, 1982, Kyoto, Japan, Pergamon Press, Oxford* 1: 119-124.

EcoReference No.: 72202

Chemical of Concern: FNV,DM,PMR; Habitat: T; Effect Codes: MOR,BCM; Code: NO CONTROL(FNV,DM,PMR).

Hollingsworth, C. S., Voss, R. H., and Ferro, D. N. (1987). Colorado Potato Beetle Control, 1986. *Insectic.Acaric.Tests* 12: 138 (158).

EcoReference No.: 88768

Chemical of Concern: ADC,PMR; Habitat: T; Effect Codes: POP; Code: TARGET(ADC),NO MIXTURE(PMR).

Horowitz, A. R., Toscano, N. C., Youngman, R. R., and Georghiou, G. P. (1988). Synergism of Insecticides with DEF in Sweetpotato Whitefly (Homoptera: Aleyrodidae). *J.Econ.Entomol.* 81: 110-114.

EcoReference No.: 93296

Chemical of Concern: CYP,PMR,MP,TBF; Habitat: T; Effect Codes: MOR; Code: NO CONTROL(CYP,PMR,MP,TBF).

Horowitz, A. R., Toscano, N. C., Youngman, R. R., Kido, K., Knabke, J. J., and Georghiou, G. P. (1988). Synergism: Potential new Approach to Whitefly Control. *Calif.Agric.* 42: 21-22.

EcoReference No.: 91801

Chemical of Concern: CYP,PMR,MP,SPS,TBF; Habitat: T; Effect Codes: MOR,POP; Code: NO CONTROL(CYP,PMR,MP,SPS,TBF).

Hughes, G. A., Robertson, J. L., and Savin, N. E. (1987). Comparison of Chemical Effectiveness by the Multinomial Logit Technique. *J.Econ.Entomol.* 80: 18-28.

EcoReference No.: 113378

Chemical of Concern: PMR,FNV,MTPN,DFZ; Habitat: T; Effect Codes: GRO,MOR; Code: NO ENDPOINT(PMR,FNV,DFZ,MTPN).

Hunter, W., Xu, Y., Spurlock, F., and Gan, J. (2008). Using Disposable Polydimethylsiloxane Fibers to Assess the Bioavailability of Permethrin in Sediment. *Environ.Toxicol.Chem.* 27: 568-575.

EcoReference No.: 109334

Chemical of Concern: PMR; Habitat: A; Effect Codes: ACC; Code: NO ENDPOINT(PMR).

Ishaaya, I. and Casida, J. E. (1983). Pyrethroid Detoxification and Synergism in Insects. *IUPAC Pestic.Chem.*: 307-310.

EcoReference No.: 117183

Chemical of Concern: PCPMR,PTPMR,CYP,PPB,CPY,FBOX; Habitat: T; Effect Codes: GRO,BCM,MOR; Code: NO ENDPOINT,NO CONTROL(PCPMR,PTPMR,CYP),NO MIXTURE(PPB,CPY,FBOX).

Ishaaya, I. and Casida, J. E. (1981). Pyrethroid Esterase(s) may Contribute to Natural Pyrethroid Tolerance of Larvae of the Common Green Lacewing. *Environ.Entomol.* 10: 681-684.

EcoReference No.: 108712

Chemical of Concern: TPMR,CYP,DM; Habitat: T; Effect Codes: BCM,MOR; Code: NO CONTROL(TPMR,CYP,DM).

Ishaaya, I., Mendelson, Z., Ascher, K. R. S., and Casida, J. E. (1987). Cypermethrin Synergism by Pyrethroid Esterase Inhibitors in Adults of the Whitefly Bemisia tabaci. *Pestic.Biochem.Physiol.* 28: 155-162.

EcoReference No.: 88388

Chemical of Concern: DM,PPB,MTM,ACP,MDT,PPF,PMR,CYP,ACP; Habitat: T; Effect Codes: MOR; Code: OK(CYP),NO CONTROL(PMR),NO MIXTURE(PPF,DMT,ACP,MTM,PPB,DM),TARGET(MDT).

Ishaaya, I., Yablonski, S., Ascher, K. R. S., and Casida, J. E. (1984). Pyrethroid Synergism and Prevention of Emergence in Tribolium castaneum and Musca domestica vicina by the Insect Growth Regulator RO 13-5223. *Phytoparasitica* 12: 99-108.

EcoReference No.: 100620

Chemical of Concern: PCPMR,MTPMR,FYC,FNV,DM,CYP,PPB; Habitat: T; Effect Codes: GRO; Code: OK(PPB),NO MIXTURE(PCPMR,MTPMR,FYC,FNV,DM,CYP).

Jallow, M. F. A. and Hoy, C. W. (2006). Quantitative Genetics of Adult Behavioral Response and Larval Physiological Tolerance to Permethrin in Diamondback Moth (Lepidoptera: Plutellidae). *J.Econ.Entomol.* 99: 1388-1395.

EcoReference No.: 88027

Chemical of Concern: PMR; Habitat: T; Effect Codes: BEH,CEL; Code: NO ENDPOINT(PMR).

Jarvi, K. J. (1994). Potato Leafhopper Control in Alfalfa, 1993. *Arthropod Manag.Tests* 19: 172 (6F).

EcoReference No.: 97200

Chemical of Concern: CBL,PSM,CBF,LCYT,CPY,PMR; Habitat: T; Effect Codes: GRO,POP; Code: NO ENDPOINT(CBL,PSM,CPY,PMR),TARGET,CROP(CBF).

Kakar, K. L. (1994). Repellent Effect of Synthetic Pyrethroids on Indian Honey Bee, Apis cerana indica Fab. *J.Insect Sci.* 7: 191-193.

EcoReference No.: 93260

Chemical of Concern: CYP,DM,ES,FNV,PMR; Habitat: T; Effect Codes: BEH; Code: NO ENDPOINT(PMR,CYP,FNV,ES,DM).

Kao, L. M., Wilkinson, C. F., and Brattsten, L. B. (1995). In-Vivo Effects of 2,4-D and Atrazine on Cytochrome P-450 and Insecticide Toxicity in Southern Armyworm (Spodoptera eridania) Larvae. *Pestic.Sci.* 45: 331-334.

EcoReference No.: 93415

Chemical of Concern: PPB,PRN,PMR,CBL,24D,ATZ; Habitat: T; Effect Codes: MOR,BCM; Code: LITE EVAL CODED(24D,ATZ),NO MIXTURE(PPB),NO ENDPOINT(PMR,CBL).

Khan, A. R., Ahmad, I., Naqvi, S. N. H., Majeed, I., Hafeez, A., and Jahan, M. (1994). Determination of Toxicity of RB-a (Crude Methanolic Extract of Ripe Berries Kernel of Neem) and SDS (Neem Formulation) as Compared with Coopex (Permethrin and Bioallethrin) Against Adult *Tribolium castaneum* (Herbst.). *Proc.Pak.Congr.Zool.* 14: 33-37.

EcoReference No.: 118103

Chemical of Concern: PMR,SDS,SLN; Habitat: T; Effect Codes: MOR; Code: NO MIXTURE(PMR),OK(SDS,SLN).

Khan, M. Z., Nazia, M., Fatima, F., Rahila, T., and Gabol, K. (2003). Comparison of the Effect of lambda Cyhalothrin with Permethrin on Cholinesterase Activity in *Rana cyanophlyctis* and *Rana tigrina* (Ranidae: Amphibia). *Bull.Pure Appl.Sci.A* 22: 43-49.

EcoReference No.: 118066

Chemical of Concern: LCYT,PMR; Habitat: T; Effect Codes: BCM; Code: NO EXP TYPE(LCYT,PMR).

Khan, M. Z., Shah, E. Z., Ahmad, I., and Fatima, F. (2002). Effect of Agricultural Pesticide Permethrin (Pyrethroid) on Protein Contents in Kidney and Liver of Lizard Species *Calotes versicolor* in Comparison to that in Frog *Rana tigrina*. *Bull.Pure Appl.Sci.A* 21: 93-97.

EcoReference No.: 118067

Chemical of Concern: PMR; Habitat: T; Effect Codes: BCM; Code: NO ENDPOINT(PMR).

Khan, M. Z., Tabassum, R., Naqvi, S. N. H., Shah, E. Z., Tabassum, F., Ahmad, I., Fatima, F., and Khan, M. F. (2003). Effect of Cypermethrin and Permethrin on Cholinesterase Activity and Protein Contents in *Rana tigrina* (Amphibia). *Turk.J.Zool.* 27: 243-246.

EcoReference No.: 117881

Chemical of Concern: CYP,PMR; Habitat: A; Effect Codes: BCM; Code: NO ENDPOINT(CYP,PMR).

Kingsbury, P. D. and Kreutzweiser, D. P. (1985). The Impact of Permethrin on Aquatic Ecosystems in Canadian Forests. *Pestic.Sci.* 16: 202-203.

EcoReference No.: 100621

Chemical of Concern: PMR; Habitat: A; Effect Codes: MOR,POP,BEH; Code: NO ENDPOINT,NO CONTROL(PMR).

Kirkpatrick, R. L. and Gillenwater, H. B. (1979). Toxicity of Selected Dusts and Aerosols to Three Species of Stored-Product Insects. *J.Ga.Entomol.Soc.* 14: 334-339.

EcoReference No.: 106859

Chemical of Concern: PFF,CBL,CPY,CPYM,CPMR,PMR,SMT,PIRM,FNV,NTZ; Habitat: T; Effect Codes: MOR; Code: NO ENDPOINT(PFF,CBL,CPY,CPYM,CPMR,PMR,SMT,PIRM,FNV,NTZ).

Koike, S. T., Smith, R. F., Schulbach, K. F., and Chaney, W. E. (1997). Association of the Insecticide Naled with Celery Petiole Lesion Damage. *Crop Prot.* 16: 753-758 .

EcoReference No.: 63164

Chemical of Concern: CTN,BMY,MOM,PMR,ABM,Naled,CuOH; Habitat: T; Effect Codes: CEL,PHY; Code: LITE EVAL CODED(Naled),NO ENDPOINT(CTN,BMY,PMR,ABM,CuOH,MOM).

Kreutzweiser, D. P. and Kingsbury, P. D. (1980). Recovery of Stream Benthos and Its Utilization by Native Fish

Following High Dosage Permethrin Applications. *Rep.No.FPM-X-59, For.Pest Manag.Inst., Sault St.Marie, Ont.*: 18 p.

EcoReference No.: 101800

Chemical of Concern: PMR; Habitat: A; Effect Codes: POP,BEH,GRO; Code: NO ENDPOINT(PMR).

Kunz, S. E. and Schmidt, C. D. (1985). The Pyrethroid Resistance Problem in the Horn Fly. *J.Agric.Entomol.* 2: 358-363.

EcoReference No.: 71761

Chemical of Concern: PMR,FNV; Habitat: T; Effect Codes: MOR; Code: NO CONTROL(FNV,PMR).

Kurtak, D., Meyer, R., Ocran, M., Ouedraogo, M., Renaud, P., Sawadogo, R. O., and Tele, B. (1987). Management of Insecticide Resistance in Control of the Simulium damnosum Complex by the Onchocerciasis Control Programme, West Africa: Potential Use of Negative Correlation Between Organophosphate Resistance and Pyrethroid Susceptibility. *Med.Vet.Entomol.* 1: 137-146.

EcoReference No.: 101217

Chemical of Concern:

TMP,AZM,CPYM,DDVP,FNTH,PIRM,PTP,TBS,TBX,TVP,TCF,CBL,PPX,DDT,MXC,CYP,DM,PMR,D
EF,PPB; Habitat: A; Effect Codes: MOR; Code: NO
CONTROL(TMP,AZM,CPYM,DDVP,FNTH,PIRM,PTP,TBS,TBX,TVP,TCF,CBL,PPX,DDT,MXC,CYP
,DM,PMR,DEF),NO MIXTURE(PPB).

Kurtak, D. C. (1990). Maintenance of Effective Control of Simulium damnosum in the Face of Insecticide Resistance. *Acta Leiden.* 59: 95-112.

EcoReference No.: 100883

Chemical of Concern: PMR,TMP; Habitat: A; Effect Codes: PHY,MOR; Code: NO
ENDPOINT(TMP,PMR).

Lagnaoui, A. and Radcliffe, E. B. (1988). Foliar Insecticides for Colorado Potato Beetle Control on Potato, 1987. *Insectic.Acaric.Tests* 13: 145-150 (77E).

EcoReference No.: 88844

Chemical of Concern: PMR,EFV,CBF,AZ,CYT,PPHD,FNV,TLM,CBL; Habitat: T; Effect Codes: POP;
Code: NO ENDPOINT(PMR),TARGET(EFV,CBF,AZ,CYT,FNV,TLM,CBL).

Le Patourel, G. N. J. and Singh, J. (1984). Toxicity of Amorphous Silicas and Silica-Pyrethroid Mixtures to *Tribolium castaneum* (Herbst) (Coleoptera: Tenebrionidae). *J.Stored Prod.Res.* 20: 183, 190 (doi: DOI: 10.1016/0022-474X(84)90002-X).

EcoReference No.: 117598

Chemical of Concern: PMR,CYP,DM; Habitat: T; Effect Codes: MOR; Code: NO
MIXTURE(PMR,CYP,DM).

Leader, H. and Casida, J. E. (1982). Resolution and Biological Activity of the Chiral Isomers of O-(4-Bromo-2-Chlorophenyl) O-Ethyl S-Propyl Phosphorothioate (Profenofos Insecticide). *J.Agric.Food Chem.* 30: 546-551.

EcoReference No.: 90747

Chemical of Concern: PFF,MLN,PMR; Habitat: AT; Effect Codes: MOR; Code: NO
MIXTURE(MLN),NO ENDPOINT,NO CONTROL(PMR,PFF).

Lee, C. Y., Yap, H. H., and Chong, N. L. (1996). Insecticide Toxicity on the Adult German Cockroach, *Blattella germanica* (L.) (Dictyoptera: Blattellidae). *Malays.J.Sci.* 17A: 1-9.

- EcoReference No.: 68667
 Chemical of Concern: CYF,BDC,BFT,CPY,CYP,CHT,DM,EFX,FNT,LCYT,PMR,PPX; Habitat: T; Effect Codes: MOR; Code: NO CONTROL(CYF,BDC,BFT,CPY,CYP,CHT,DM,EFX,FNT,LCYT,PMR,PPX).
- Lee, L. C. and Lee, C. Y. (2004). Insecticide Resistance Profiles and Possible Underlying Mechanisms in German Cockroaches, *Blattella germanica* (Linnaeus) (Dictyoptera: Blattellidae) from Peninsular Malaysia. *Med.Entomol.Zool.* 55: 77-93.
- EcoReference No.: 93232
 Chemical of Concern: CPY,DM,PMR,PPB,PPX,TBF; Habitat: T; Effect Codes: MOR; Code: NO MIXTURE(TBF,PPB),NO CONTROL(CPY,PMR,DM,PPX).
- Leonard, B. R., Sparks, T. C., and Graves, J. B. (1988). Insecticide Cross-Resistance in Pyrethroid-Resistant Strains of Tobacco Budworm (Lepidoptera: Noctuidae). *J.Econ.Entomol.* 81: 1529-1535.
- EcoReference No.: 91585
 Chemical of Concern: PMR,FNV,FVL,EFV,CYP,DM,LCYT,MP; Habitat: T; Effect Codes: MOR; Code: NO REVIEW(PMR),TARGET(FNV,FVL,EFV,CYP,DM,LCYT,MP) .
- Lindsay, S. W., Hossain, M. I., Bennett, S., and Curtis, C. F. (1991). Preliminary Studies on the Insecticidal Activity and Wash-Fastness of Twelve Pyrethroid Treatments Impregnated into Bednetting Assayed Against Mosquitoes. *Pestic.Sci.* 32: 397-411 .
- EcoReference No.: 112688
 Chemical of Concern: LCYT,CHT,PMR,CYF,CYP,SMT,FPP,FNV,DM; Habitat: T; Effect Codes: MOR; Code: NO ENDPOINT(CHT,PMR,CYF,CYP,SMT,FPP,FNV,DM).
- Liu, M. Y., Chen, J. S., and Sun, C. N. (1984). Synergism of Pyrethroids by Several Compounds in Larvae of the Diamondback Moth (Lepidoptera: Plutellidae). *J.Econ.Entomol.* 77: 851-856.
- EcoReference No.: 93265
 Chemical of Concern: TBF,PPB,FNV,DM,CYP,PMR; Habitat: T; Effect Codes: MOR; Code: NO CONTROL(FNV,PMR,CYP,DM),NO MIXTURE(PPB,TBF).
- Liu, M. Y., Tzeng, Y. J., and Sun, C. N. (1982). Insecticide Resistance in the Diamondback Moth. *J.Econ.Entomol.* 75: 153-155.
- EcoReference No.: 113742
 Chemical of Concern: DM,DDT,FNV,CYP,PMR,MOM,DZ,PPX,CBL,DDVP,MP,MLN; Habitat: T; Effect Codes: MOR; Code: NO CONTROL(DM,FNV,CYP,PMR, MOM,DZ,PPX,CBL,MP,DDVP,MLN).
- Liu, W., Gan, J. J., and Qin, S. (2005). Separation and Aquatic Toxicity of Enantiomers of Synthetic Pyrethroid Insecticides. *Chirality* 17: S127-S133.
- EcoReference No.: 117928
 Chemical of Concern: BFTC,CYP,CYF,CPMR,TPMR; Habitat: A; Effect Codes: MOR; Code: NO CONTROL(CYP,CYF,CPMR,TPMR,BFTC).
- Lockhart, W. L., Metner, D. A., Blouw, A. P., and Muir, D. C. G. (1982). Prediction of Biological Availability of Organic Chemical Pollutants to Aquatic Animals and Plants. In: *J.G.Pearson, R.B.Foster, and W.E.Bishop (Eds.), Aquatic Toxicology and Hazard Assessment, 5th Conference, ASTM STP 766, Philadelphia, PA* 259-272.

- EcoReference No.: 15279
 Chemical of Concern: 24D,EFL,FNT,FDE,MXC,NSM,PMR; Habitat: A; Effect Codes: ACC; Code: NO CONTROL,NO ENDPOINT(24D,FNT,FDE,PMR).
- Lucia, A., Harburguer, L., Licastro, S., Zerba, E., and Masuh, H. (2009). Efficacy of a New Combined Larvicidal-Adulticidal Ultralow Volume Formulation Against *Aedes aegypti* (Diptera: Culicidae), Vector of Dengue. *Parasitol.Res.* 104: 1101-1107.
- EcoReference No.: 117638
 Chemical of Concern: PYX,PMR; Habitat: AT; Effect Codes: POP,MOR,GRO; Code: NO ENDPOINT(PMR),NO MIXTURE(PYX).
- Luttrell, R. G., Roush, R. T., Ali, A., Mink, J. S., Reid, M. R., and Snodgrass, G. L. (1987). Pyrethroid Resistance in Field Populations of *Heliothis virescens* (Lepidoptera: Noctuidae) in Mississippi in 1986. *J.Econ.Entomol.* 80: 985-989 .
- EcoReference No.: 114770
 Chemical of Concern: FNV,CYP,PMR; Habitat: T; Effect Codes: MOR; Code: NO ENDPOINT(PMR),TARGET(FNV,CYP).
- Magharaj, M., Venkateswarlu, K., and Rao, A. S. (1989). Interaction Effects of Insecticide Combinations on the Growth of *Scenedesmus bijugatus* and *Synechococcus elongatus*. *Plant Soil* 114: 159-164.
- EcoReference No.: 77487
 Chemical of Concern: CYP,PMR,CPY,FNV,EFV; Habitat: A; Effect Codes: POP; Code: NO ENDPOINT(CYP,PMR,CPY,FNV,EFV).
- Marei, A. E. S. M., Ruzo, L. O., and Casida, J. E. (1982). Analysis and Persistence of Permethrin, Cypermethrin, Deltamethrin, and Fenvalerate in the Fat and Brain of Treated Rats. *J.Agric.Food Chem.* 30: 558-562.
- EcoReference No.: 98158
 Chemical of Concern: PPB,PFF,PMR,DM,FNV,CYP; Habitat: T; Effect Codes: ACC; Code: NO ENDPOINT,NO CONTROL(PMR,FNV,CYP,PFF,DM).
- Martel, P., Boivin, G., and Belcourt, J. (1986). Efficacy and Persistence of Different Insecticides Against the Tarnished Plant Bug, *Lygus lineolaris* (Heteroptera: Miridae), on a Season-Long Host Plant, *Coronilla varia*. *J.Econ.Entomol.* 79: 721-725 .
- EcoReference No.: 113425
 Chemical of Concern: TCF,AZ,MLN,TVP,MCB,PFF,ES,MOM,ADC,OML,DMT,PPX,DS,MTM,FNT,MVP,PMR,FNV,DDT,CBF,PSM,PHSL,SPS,IFP; Habitat: T; Effect Codes: MOR,POP; Code: OK(TCF,AZ,TVP,PFF,ES),TARGET(MLN), NO ENDPOINT(MOM,CBF,ADC,OML,DMT,PPX,FNV,PMR,MVP,FNT,MTM,PSM,DS),TARGET(MCB).
- Martinez-Torres, D., Chevillon, C., Brun-Barale, A., Berge, J. B., Pasteur, N., and Pauron, D. (1999). Voltage-Dependent Na⁺ Channels in Pyrethroid-Resistant *Culex pipiens* L Mosquitoes. *Pestic.Sci.* 55: 1012-1020.
- EcoReference No.: 67229
 Chemical of Concern: PMR,DDT,DM,PPB; Habitat: A; Effect Codes: MOR,BCM; Code: NO CONTROL(PMR,DDT,DM,PPB).
- Mascarenhas, R. N. and Boethel, D. J. (2000). Development of Diagnostic Concentrations for Insecticide Resistance Monitoring in Soybean Looper (Lepidoptera: Noctuidae) Larvae Using an Artificial Diet Overlay Bioassay. *J.Econ.Entomol.* 93: 897-904 .

EcoReference No.: 58570

Chemical of Concern: PMR,TDC,CFP,EMMB,SS; Habitat: T; Effect Codes: MOR; Code: NO ENDPOINT(PMR),TARGET(TDC,CFP,EMMB).

Matsunaga, T., Yoshida, K., Shinjo, G., Tsuda, S., Okuno, Y., and Yoshioka, H. (1983). New Pyrethroid Insecticides for Indoor Applications. In: *J.Miyamoto and P.C.Kearney (Eds.), Proc.5th Int.Congr., Pestic.Chem.: Hum.Welfare Environ., Vol.2 Natural Products, Pergamon Press, New York 231-238.*

EcoReference No.: 112287

Chemical of Concern: ATN,PPX,DDVP,FNT,PMR,DTATN,PYN; Habitat: T; Effect Codes: MOR; Code: NO CONTROL(DTATN,PMR,FNT,DDVP,PPX,ATN).

Maxwell, E. M., Fadamiro, H. Y., and McLaughlin, J. R. (2006). Suppression of *Plutella xylostella* and *Trichoplusia ni* in Cole Crops with Attracticide Formulations. *J.Econ.Entomol.* 99: 1334-1344.

EcoReference No.: 88180; Habitat: T; Effect Codes: MOR,POP,BEH; Code: NO COC(PMR).

Mayer, D. F., Johansen, C. A., Lunden, J. D., and Rathbone, L. (1987). Bee Hazard of Insecticides Combined with Chemical Stickers. *Am.Bee J.* 127: 493-495.

EcoReference No.: 88509

Chemical of Concern:

ES,HCCH,FVL,CYP,CYH,ACP,CPY,DZ,MLN,MTM,Naled,OXD,TCF,MOM,OML,TDC,BFT,CYF,PMR,EFV,FTTCl; Habitat: T; Effect Codes: MOR; Code: NO ENDPOINT(ES,HCCH,FVL,CYP,CYH,ACP,CPY,DZ,MLN,MTM,Naled,OXD,TCF,MOM,OML,TDC,BFT,CYF,PMR,EFV,FTTCl).

McAbee, R. D., Kang, K. D., Stanich, M. A., Christiansen, J. A., Wheelock, C. E., Inman, A. D., Hammock, B. D., and Cornel, A. J. (2004). Pyrethroid Tolerance in *Culex pipiens pipiens* var *molestus* from Marin County, California. *Pest Manag.Sci.* 60: 359-368.

EcoReference No.: 103374

Chemical of Concern: TBF,PBO,LCYT,MLN,Naled,FNTH,RSM,DM,PPB,DDT,PMR,CPY; Habitat: AT; Effect Codes: MOR,BCM; Code: LITE EVAL CODED(TBF),OK(DDT,PPB),NO ENDPOINT(MLN,Naled,FNTH,RSM,DM,PMR,CPY).

McClanahan, R. J. (1981). Effectiveness of Insecticides Against the Mexican Bean Beetle. *J.Econ.Entomol.* 74: 163-164.

EcoReference No.: 113754

Chemical of Concern:

AZ,DM,PHSL,PRN,MLN,ACP,RTN,DMT,PPF,ES,DZ,PSM,CBL,MOM,PMR,CBF,FNV,CYP; Habitat: T; Effect Codes: MOR; Code: NO CONTROL(AZ,DM,MLN,ACP,RTN,DMT,PPF,ES,DZ,PSM,CBL,MOM,PMR,CBF,FNV,CYP).

McClanahan, R. J. (1975). Tests of Insecticides for Asparagus Beetle Control and Residues on the Crop. *Proc.Entomol.Soc.Ontario.* 106: 52-55.

EcoReference No.: 45463

Chemical of Concern: MVP,CBF,PMR,DDT,MXC,CBL,RTN,MLN; Habitat: T; Effect Codes: MOR,ACC; Code: NO CONTROL(MVP,CBF,PMR,DDT,MXC,CBL,RTN,MLN).

McEwen, J., Bardner, R., Briggs, G. G., Bromilow, R. H., Cockbain, A. J., Day, J. M., Fletcher, K. E., Legg, B. J., Roughley, R. J., Salt, G. A., Simpson, H. R., Webb, R. M., Witty, J. F., and Yeoman, D. P. (1981). The Effects of Irrigation, Nitrogen Fertilizer and the Control of Pests and Pathogens on Spring-Sown Field Beans (*Vicia faba* L.) and Residual Effects on Two Following Winter Wheat Crops. *J.Agric.Sci.* 96: 129-

150.

EcoReference No.: 52058

Chemical of Concern: ADC,BMY,FNT,PMR,PIM; Habitat: T; Effect Codes: PHY,POP; Code: NO ENDPOINT(ADC,BMY,FNT,PMR,PIM).

McKee, M. J. and Knowles, C. O. (1985). Pharmacokinetics of Pyrethroids in Twospotted Spider Mites. *Pestic.Biochem.Physiol.* 24: 326-335.

EcoReference No.: 71129

Chemical of Concern: PMR,CYP,FNV,PYT,FVL; Habitat: T; Effect Codes: ACC; Code: NO CONTROL(FNV,PMR).

McKinlay, R. G. (1981). Chemical Control of the Wheat Bulb Fly *Delia coarctata* Fall. (Diptera: Anthomyiidae) in the United Kingdom Using Pesticide Formulations that Reduce the Hazard to Wildlife. *Prot.Ecol.* 2: 305-312.

EcoReference No.: 56081

Chemical of Concern: FNF,PMR,DMT,OMT,CPY; Habitat: T; Effect Codes: PHY,GRO,POP; Code: NO ENDPOINT(PMR,DMT,CPY).

McLaughlin, J. R., Mitchell, E. R., and Kirsch, P. (1994). Mating Disruption of Diamondback Moth (Lepidoptera: Plutellidae) in Cabbage: Reduction of Mating and Suppression of Larval Populations. *J.Econ.Entomol.* 87: 1198-1204.

EcoReference No.: 97693

Chemical of Concern: CPY,ES,PMR; Habitat: T; Effect Codes: POP,REP; Code: NO COC(FRM),NO ENDPOINT(CPY,PMR,ES).

Meacham, C. A., Brodfuehrer, P. D., Watkins, J. A., and Shafer, T. J. (2008). Developmentally-Regulated Sodium Channel Subunits are Differentially Sensitive to alpha-Cyano Containing Pyrethroids. *Toxicol.Appl.Pharmacol.* 231: 273-281.

EcoReference No.: 108755

Chemical of Concern: FPP,EFV,TMT,DM,PMR,CYP,CYF; Habitat: AT; Effect Codes: CEL; Code: NO CONTROL,ENDPOINT(FPP,EFV,TMT,DM,PMR,CYP,CYF).

Mekuria, Y., Gwinn, T. A., Williams, D. C., and Tidwell, M. A. (1991). Insecticide Susceptibility of *Aedes aegypti* from Santo Domingo, Dominican Republic. *J.Am.Mosq.Control Assoc.* 7: 69-72.

EcoReference No.: 91097

Chemical of Concern: DM,MLN,FNTH,TMP,PPX,DDT,PMR,RSM; Habitat: AT; Effect Codes: MOR; Code: LITE EVAL CODED(MLN,TMP),TARGET(RSM),NO ENDPOINT(PMR,PPX,DM).

Mekuria, Y., Williams, D. C., Tidwell, M. A., and Santana, T. A. (1990). Studies of the Susceptibility of *Anopheles albimanus* and *Anopheles vestitipennis* from Dajabon, Dominican Republic, to Insecticides. *J.Am.Mosq.Control Assoc.* 6: 645-650.

EcoReference No.: 110889

Chemical of Concern: RSM,DDT,FNT,MLN,PMR,PPX; Habitat: T; Effect Codes: MOR; Code: OK(FNT,RSM),NO ENDPOINT(PMR,DDT),TARGET(PPX,MLN).

Metcalf, R. L., Ferguson, J. E., Lampman, R., and Andersen, J. F. (1987). Dry Cucurbitacin-Containing Baits for Controlling Diabroticite Beetles (Coleoptera: Chrysomelidae). *J.Econ.Entomol.* 80: 870-875.

EcoReference No.: 112997

Chemical of Concern: CYP,PMR,MLN,DMT,OML,CBL,CBF,MOM,FYT,PHSL,IFP,BDC; Habitat: T; Effect Codes: POP; Code: NO CONTROL,NO ENDPOINT(CBF,CBL,OML,DMT,MLN,PMR,CYP),NO ENDPOINT(MOM).

Miller, J. A., Oehler, D. D., and Kunz, S. E. (1986). Release Rates from Cattle Insecticidal Ear Tags in Various Regions of the United States. *Southwest.Entomol.* 11: 45-50.

EcoReference No.: 93204

Chemical of Concern: FNV,PMR; Habitat: T; Effect Codes: POP; Code: NO ENDPOINT(FNV,PMR).

Mohamed, A. K. A., Pratt, J. P., and Nelson, F. R. S. (1987). Compatability of *Metarhizium anisopliae* var. *anisopliae* with Chemical Pesticides. *Mycopathologia* 99: 99-105.

EcoReference No.: 70030

Chemical of Concern:

Zineb,Maneb,BMY,MTPN,DFZ,HCCH,PYN,PMR,OML,MOM,CBF,MLN.FNTH,DZ,AZ,TMP,RSM,CPY,CBL,CHD,TXP,OML; Habitat: T; Effect Codes: POP,REP; Code: NO ENDPOINT(Zineb,Maneb,BMY,MTPN,DFZ,HCCH,PYN,PMR,OML,MOM,CBF,MLN.FNTH,DZ,AZ,TMP,RSM,CPY,CBL,CHD,TXP,OML).

Moore, M. T., Kroger, R., Cooper, C. M., and Smith, S. Jr. (2009). Ability of Four Emergent Macrophytes to Remediate Permethrin in Mesocosm Experiments. *Arch.Environ.Contam.Toxicol.* 57: 282-288.

EcoReference No.: 117882

Chemical of Concern: PMR; Habitat: A; Effect Codes: ACC; Code: NO CONTROL,NO ENDPOINT(PMR).

Moss, J. I. (1996). Synergism of Toxicity of N,N-Diethyl-m-Toluamide to German Cockroaches (Orthoptera: Blattellidae) by Hydrolytic Enzyme Inhibitors. *J.Econ.Entomol.* 89: 1151-1155.

EcoReference No.: 93301

Chemical of Concern: MLN,CPY,AMZ,PMR,LCYT,PPB,DEET,CBL,TBF; Habitat: T; Effect Codes: MOR; Code: NO MIXTURE(PMR,PPB,TBF),NO CONTROL(MLN,CPY,CBL,AMZ).

Mount, G. A., Haile, D. G., Pierce, N. W., and Baldwin, K. F. (1978). Aerosols of Permethrin and Propoxur for Control of Adult Mosquitoes. *Mosq.News* 38: 39-42.

EcoReference No.: 100604

Chemical of Concern: PMR,PPX,FNTH; Habitat: T; Effect Codes: MOR; Code: NO CONTROL(PMR,PPX,FNTH).

Moyses, E. W. and Gfeller, F. J. (2001). Topical Applications as a Method for Comparing the Effectiveness of Insecticides Against Cat Flea (Siphonaptera: Pulicidae). *J.Med.Entomol.* 38: 193-196.

EcoReference No.: 59572

Chemical of Concern: FPN,DM,IMC,CYP,FNTH,DZ,PMR,MLN,BDC,DDT,PPX,CBL; Habitat: T; Effect Codes: MOR; Code: NO CONTROL(DZ,IMC,MLN,DM,PPX,CBL,PMR).

Muir, D. C. G., Rawn, G. P., Townsend, B. E., and Lockhart, W. L. (1985). Bioavailability and Toxicity of Six Synthetic Pyrethroids to Chironomus tentans Larvae in Sediment-Water Systems. *Proc.10th Annual Aquatic Toxicity Workshop.Compte rendu des communications du dixieme atelier annuel sur la toxicite aquatique, Can.Tech.Rep.Fish.Aquat.Sci., Minister of supply and services, Halifax, Nova Scotia* 425-426.

EcoReference No.: 92594

Chemical of Concern: PMR,DM,FNV; Habitat: A; Effect Codes: MOR,ACC; Code: NO ENDPOINT,NO CONTROL(PMR,DM,FNV).

Noetzel, D. M., Ricard, M., Holen, C., Holder, B., and Preston, D. (1988). Control of Pyrethroid Resistant Colorado Potato Beetle - Trial 2, 1986. *Insectic.Acaric.Tests* 13: 153-154 (81E).

EcoReference No.: 88820

Chemical of Concern: CYF,PMR,FNV,CYH,EFV,PPHD,ADC,MTM,AZ; Habitat: T; Effect Codes: POP; Code: NO CONTROL(CYF,PMR,FNV,CYH,EFV,PPHD,ADC,MTM,AZ).

Nyirenda, G. K. C. (1985). Field Assessment of Insecticides and Swath Widths Using Carbaryl Against the African Armyworm, Spodoptera exempta (Walk.) on Maize, Zea mays in Malawi. *Int.Pest Control* 27: 97-99.

EcoReference No.: 89616

Chemical of Concern: TDC,PMR,CYP,FNT,CBL; Habitat: T; Effect Codes: MOR; Code: NO ENDPOINT(PMR,CYP,FNT,CBL,TDC).

Ohno, Y., Miyajima, A., and Sunouchi, M. (1998). Alternative Methods for Mechanistic Studies in Toxicology. Screening of Hepatotoxicity of Pesticides Using Freshly Isolated and Primary Cultured Hepatocytes and Non-Liver-Derived Cells, SIRC Cells. *Toxicol.Lett.* 102/103: 569-573.

EcoReference No.: 104352

Chemical of Concern: ARM,AMTR,DS,PMT,PMR,CYF,LNR,FNTH; Habitat: T; Effect Codes: CEL,BCM; Code: NO CONTROL(LNR),NO IN VITRO(ARM,AMTR,DS,PMT,PMR,CYF,FNTH).

Oomen, P. A., Romeijn, G., and Wieggers, G. L. (1991). Side-Effects of 100 Pesticides on the Predatory Mite Phytoseiulus persimilis, Collected and Evaluated According to the EPPO Guideline. *Bull.Org.Eur.Medit.Prot.Plant* 21: 701-712.

EcoReference No.: 99162

Chemical of Concern:

TVP,CTN,FRM,FTF,Folpet,IPD,MZB,Maneb,PCZ,SFR,THM,TFR,VCZ,ATZ,BMC,24D,GFSNH,GYP,SZ,DCF,ES,FYC,HTX,MLN,MOM,MVP,OML,PMR,TFR,CBL,ACP,AZ,BFT,CPY,CYR,DU,DMT,DCF,DZ,DM,BMN,FZFB,MTSM,CQTC,ABM,AMZ,BPZ,CHX,CYP,IPD; Habitat: T; Effect Codes: REP; Code: NO ENDPOINT(TVP,CTN,FRM,Folpet,IPD,MZB,Maneb,PCZ,SFR,THM,VCZ,ATZ,BMC,24D,GFSNH,GYP,SZ,DCF,ES,DM,DCF,ES,FYC,HTX,MLN,MOM,MVP,OML,MP,PMR,TFR,CBL,ACP,AZ,BFT,CPY,CYR,DZ,DMT,DU,ES,FT F,IPD,AMZ).

Orlander, G., Nilsson, U., and Hallgren, J. E. (1996). Competition for Water and Nutrients Between Ground Vegetation and Planted Picea abies. *N.Z.J.For.Sci.* 26: 99-117.

EcoReference No.: 96961

Chemical of Concern: PMR; Habitat: T; Effect Codes: GRO; Code: NO CONTROL(PMR).

Orshan, L., Kelbert, M., and Pener, H. (2005). Patterns of Insecticide Resistance in Larval Culex pipiens Populations in Israel: Dynamics and Trends. *J.Vector Ecol.* 30: 289-294.

EcoReference No.: 100898

Chemical of Concern: CPY,FNTH,TMP,PMR,CYP; Habitat: A; Effect Codes: MOR; Code: NO ENDPOINT(CPY,TMP,PMR,CYP).

Pradhan, N. K., Lingappa, S., Anilkumar, T. B., and Viswanath, S. (1988). Fungicidal Action of Synthetic Pyrethroids and Their Interaction with Fungicides on Alternaria brassicae. *India J.Plant Prot.* 16: 249-251.

EcoReference No.: 90838

Chemical of Concern: Cu,DM,CAP,CBD,MZB,FNV,PMR,CYP; Habitat: T; Effect Codes: POP; Code: LITE EVAL CODED(DM),NO CONC(Cu,CAP,CBD,MZB,FNV,PMR,CYP).

- Prasad, D. (1990). Bioefficacy of Synthetic Pyrethroids Against Root Knot Nematode, *Meloidogyne incognita* Larvae. *Adv.Plant Sci.* 3: 131-135.
- EcoReference No.: 92527
 Chemical of Concern: DM,CYP,PMR,FNV; Habitat: A; Effect Codes: MOR,BEH; Code: NO ENDPOINT(CYP,PMR,FNV,DM).
- Pree, D. J., Archibald, D. E., and Cole, K. J. (1990). Insecticide Resistance in Spotted Tentiform Leafminer (Lepidoptera: Gracillariidae): Mechanisms and Management. *J.Econ.Entomol.* 83: 678-685.
- EcoReference No.: 113749
 Chemical of Concern: AZ,TBF,PPB,TVP,MVP,MTM,MP,ACP,CBL,DZ,MLN,PSM,PMR,MOM,DMT;
Habitat: T; Effect Codes: MOR,BCM; Code: TARGET(AZ),NO CONTROL(TVP,MVP,MTM,MP,ACP,CBL,DZ,MLN,PSM,PMR,MOM,DMT),NO MIXTURE(PPB,TBF).
- Pree, D. J., Hagley, E. A. C., Simpson, C. M., and Hikichi, A. (1980). Resistance of the Spotted Tentiform Leafminer, *Phyllonorycter blancardella* (Lepidoptera: Gracillariidae), to Organophosphorous Insecticides in Southern Ontario. *Can.Entomol.* 112: 469-474.
- EcoReference No.: 99691
 Chemical of Concern: DZ,PHSL,ES,MOM,FNV,PSM,CYP,PMR,AZ; Habitat: T; Effect Codes: MOR,POP; Code: NO ENDPOINT(DZ,PHSL,ES,MOM,FNV,PSM,CYP,PMR,AZ).
- Price, C. E. and Anderson, N. H. (1985). Uptake of Chemicals from Foliar Deposits: Effects of Plant Species and Molecular Structure. *Pestic.Sci.* 16: 369-377 .
- EcoReference No.: 103298
 Chemical of Concern: PMR,24DIO,PIRM,FSF,NaDPA,PBZ; Habitat: T; Effect Codes: ACC; Code: NO CONTROL,ENDPOINT(PMR,PIRM,FSF,PBZ,NaDPA).
- Pushpalatha, N. and Vijayan, V. A. (1998). Bioassay of Some Important Insecticides Against the Adults of Two Populations of *Culex vishnui* Theobald Prevalent in Mandya and Mysore, Karnataka State (India). *J.Entomol.Res.* 22: 293-297.
- EcoReference No.: 63944
 Chemical of Concern: PMR,DM,CYF,MLN,DDT,PPX; Habitat: T; Effect Codes: MOR; Code: NO CONTROL(MLN,DM,PPX,PMR,CYF,DDT).
- Ripley, B. D., Ritcey, G. M., Harris, C. R., Denomme, M. A., and Brown, P. D. (2001). Pyrethroid Insecticide Residues on Vegetable Crops. *Pest Manage.Sci.* 57: 683-687 .
- EcoReference No.: 93370
 Chemical of Concern: PMR,FNV,CYP,DM; Habitat: T; Effect Codes: ACC; Code: NO CONTROL,ENDPOINT(PMR,FNV,CYP,DM).
- Ripley, B. D., Ritcey, G. M., Harris, C. R., Denomme, M. A., and Lissemore, L. I. (2003). Comparative Persistence of Pesticides on Selected Cultivars of Specialty Vegetables. *J.Agric.Food Chem.* 51: 1328-1335.
- EcoReference No.: 94882
 Chemical of Concern: MZB,MLX,CBF,Captan,CYP,DMT,MLN,PSM,ES,PMR,FNV,DZ,PRN; Habitat: T; Effect Codes: ACC; Code: NO CONTROL(MZB,MLX,CBF,Captan,CYP,DMT,MLN,PSM,ES,PMR,FNV,DZ,PRN).
- Roush, R. T. and Hoy, M. A. (1978). Relative Toxicity of Permethrin to a Predator, *Metaseiulus occidentalis*, and Its Prey, *Tetranychus urticae*. *Environ.Entomol.* 7: 287-288.

- EcoReference No.: 107939
Chemical of Concern: PMR; Habitat: T; Effect Codes: MOR; Code: NO CONTROL(PMR).
- Roush, R. T. and Plapp, F. W. (1982). Biochemical Genetics of Resistance to Aryl Carbamate Insecticides in the Predaceous Mite, *Metaseiulus occidentalis*. *J.Econ.Entomol.* 75: 304-307.
- EcoReference No.: 113461
Chemical of Concern: PMR,DMT,BMY,MOM,ACP,PMR,PPX,HPT; Habitat: T; Effect Codes: MOR,REP; Code: OK(BMY),NO ENDPOINT(PMR,DMT,MOM,ACP,PPX).
- Rozsavolgyi, T. and Horvath, F. (2008). Effect of Pyrethroid Insecticides on the Photosynthetic Activity of Pea Mesophyll Protoplasts. *Acta Biol.Szeged.* 52: 233-235.
- EcoReference No.: 117224
Chemical of Concern: PMR,CYP,DM,FNV; Habitat: T; Effect Codes: BCM; Code: NO ENDPOINT(PMR,CYP,DM,FNV).
- Samsøe-Petersen, L. (1983). Laboratory Method for Testing Side Effects of Pesticides on Juvenile Stages of the Predatory Mite, *Phytoseiulus persimilis* [Acarina, Phytoseiidae] Based on Detached Bean Leaves. *Entomophaga* 28: 167-178.
- EcoReference No.: 94389
Chemical of Concern: TFR,Captan,CBD,PPX,FNV,PIRM,PMR,HCCH,DCF,MOM,MLN,TDF,VCZ; Habitat: T; Effect Codes: MOR,REP; Code: NO CONTROL(TFR,Captan,CBF,PPX,FNV,PIRM,PMR,HCCH,DCF,MOM,MLN,TDF,VCZ).
- Sandhu, S. S., Waters, M. D., Simmon, V. F., Mortelmans, K. E., Mitchell, A. D., Jorgenson, T., Jones, D. C. L., Valencia, R., and Stack, F. (1985). Evaluation of the Genotoxic Potential of Certain Pesticides Used in Pakistan. *Basic Life Sci.* 34: 185-219.
- EcoReference No.: 89882
Chemical of Concern: PPN,DMB,24DXY,MZB,Zineb,Maneb,Captan,BMY,TCF,ACP,AZ,CBF,CPY,DZ,EN,MLN,MOM,MP,D S,FNTH,PMR,PRT,TFN,ETN; Habitat: T; Effect Codes: REP,CEL,PHY; Code: NO ENDPOINT(DMB,Captan,BMY,TCF,ACP,AZ,CBF,CPY,DZ,EN,MLN,MOM,MP,DS,FNTH,PMR,PRT), NO BACTERIA(DZ,EN,PMR,MZB,Maneb,Zineb,24DXY,PPN,TFN,ETN).
- Schuster, D. J. (1993). Management of the Sweetpotato Whitefly and Geminivirus on Fresh Market Tomatoes in West-Central Florida, Spring 1992. *Insectic.Acaric.Tests* 18: 177-179 (108E).
- EcoReference No.: 98097
Chemical of Concern: AZD,FSTAI,FPP,MTM,BFT,ES,MSO,PMR,LCYT,AMZ; Habitat: T; Effect Codes: POP,GRO; Code: LITE EVAL CODED(ES,FSTAI,AZD),TARGET(FPP,MTM,BFT,MSO,AMZ),NO MIXTURE(PMR).
- Schwartz, A. (1991). Laboratory Evaluation of Toxicity of Registered Pesticides to Adult *Amblyseius addoensis* (Van der Merwe & Ryke) (Acari: Phytoseiidae). *S.Afr.J.Enol.Vitic.* 12: 87-89.
- EcoReference No.: 64288
Chemical of Concern: IPD,HCZ,MYC,TDM,PPG,MDT,PMR,DDVP,CPY,DMT,FNTH, CBL,ES,PPX,SFR,MZB; Habitat: T; Effect Codes: MOR; Code: LITE EVAL CODED(MYC,IPD,CBL),OK(SFR),TARGET(DMT,MDT,PPX),NO ENDPOINT(DDVP,CPY,PMR,PPG,MZB,ES).
- Scott, G. C. (1981). Experimental Seed Treatments for the Control of Wheat Bulb Fly and Slugs. *Br.Crop*

Prot. Conf. 11: 441-448.

EcoReference No.: 91932

Chemical of Concern: DFZ,FNF,EPRN,PMR,CYP,FNV,TMT,RSM,ATN; Habitat: T; Effect Codes: POP,REP; Code: NO ENDPOINT(DFZ,FNF,EPRN,PMR,CYP,FNV,TMT,RSM,ATN).

Shah, P. V., Monroe, R. J., and Guthrie, F. E. (1983). Comparative Penetration of Insecticides in Target and Non-Target Species. *Drug Chem.Toxicol.* 6: 155-179.

EcoReference No.: 54077

Chemical of Concern: PRN,PMR,MP,DDT,DLD,CBL; Habitat: T; Effect Codes: ACC; Code: NO ENDPOINT,NO CONTROL(PRN,PMR,MP,DDT,DLD,CBL).

Shah, P. V., Monroe, R. J., and Guthrie, F. E. (1981). Comparative Rates of Dermal Penetration of Insecticides in Mice. *Toxicol.Appl.Pharmacol.* 59: 414-423.

EcoReference No.: 88947

Chemical of Concern: MLN,PMR,PRN,MOM,CBL,DDT,DLD,NCTN,CPY,CBF; Habitat: T; Effect Codes: ACC; Code: NO CONTROL(MLN,PMR,PRN,MOM,CBL,DDT,DLD,NCTN,CPY,CBF).

Shanks, C. H. Jr. and Chamberlain, J. D. (1988). Effect of Taxus Foliage and Extract on the Toxicity of Some Pyrethroid Insecticides to Adult Black Vine Weevil (Coleoptera: Curculionidae). *J.Econ.Entomol.* 81: 98-101.

EcoReference No.: 113886

Chemical of Concern: PMR,FNV,FVL; Habitat: T; Effect Codes: MOR,BCM; Code: NO ENDPOINT(PMR),TARGET(FVL,FNV).

Shelton, A. M., Wilsey, W. T., and Schmaedick, M. A. (1998). Management of Onion Thrips (Thysanoptera: Thripidae) on Cabbage by Using Plant Resistance and Insecticides. *J.Econ.Entomol.* 91: 329-333.

EcoReference No.: 114925

Chemical of Concern: CYP,PRN,LCYT,PMR,DXD,MVP,MP,IMC,FTTCl,EFV,DMT,ACP,MOM,Naled; Habitat: T; Effect Codes: POP; Code: NO ENDPOINT(Naled,MOM,ACP,CYP,DMT,EFV,FTTCl,IMC,MP,MVP,DXD,PMR).

Shenhmar, M., Verma, G. C., and Brar, K. S. (1990). Studies on the Establishment of *Allorhogas pyralophagus* Marsh (Braconidae: Hymenoptera) on Sugarcane Borers in the Punjab. *J.Insect Sci.* 3: 53-56.

EcoReference No.: 109653

Chemical of Concern: DDT,CBL,CYP,DM,DMT,ES,FNV,MLN,OXD,PMR,PHSL,PPHD ; Habitat: T; Effect Codes: MOR; Code: LITE EVAL CODED(CBL,MLN),OK(ES,DMT,DDT),NO ENDPOINT(DM,FNV,CYP,PMR,OXD).

Sheppard, D. C. (1995). Oxidative Metabolic Resistance to Cyanopyrethroids in the Horn Fly (Diptera: Muscidae). *J.Econ.Entomol.* 88: 1531-1535.

EcoReference No.: 112346

Chemical of Concern: PPB,RSM,TLM,DM,PMR,TMT,FNV,CPY,CYH; Habitat: T; Effect Codes: MOR; Code: NO MIXTURE(PPB),NO CONTROL(PMR,FNV,CPY,TMT,DM,TLM,RSM).

Shono, T., Unai, T., and Casida, J. E. (1978). Metabolism of Permethrin Isomers in American Cockroach Adults, House Fly Adults, and Cabbage Looper Larvae. *Pestic.Biochem.Physiol.* 9: 96-106.

EcoReference No.: 118074

Chemical of Concern: CPMR; Habitat: T; Effect Codes: PHY; Code: NO ENDPOINT,NO

CONTROL(CPMR).

Siltanen, H. and Rosenberg, C. (1978). Residue Analyses of the Official Testing of Pesticides, 1977. *Report No.15, Publs.of the State Inst.of Agric.Chem., Helsinki, Finland, State Inst.of Agric.Chem.:* 69 p.

EcoReference No.: 112139

Chemical of Concern:

EPH,PHMD,MBZ,MCPP1,MCPA,DMB,TFR,TDF,TYF,TPE,TBA,MEM,IPD,ILL,DINO,BMY,ANZ,OML,MXC,FNT,BRSM,AZ,PDM,GYP,24D,VCZ,CBD,CAP,TCF,PMR,MLN,DCF,CBF,DQT,DFQ; Habitat: T; Effect Codes: ACC; Code: NO CONTROL,NO ENDPOINT(DFQ,DQT,CBF,DCF,MLN,PMR,TCF,CAP,CBD,VCZ,24D,GYP,PDM,EPH,PHMD,MCPP1,DMB,TFR,TDF,IPD,BMY,OML,FNT,BRSM,AZ).

Singh, D. P. and Saxena, R. S. (2008). Effect of Some Insecticides on Photosynthesis in *Aulosira fertilissima*. *Bionotes* 10: 60.

EcoReference No.: 118352

Chemical of Concern: DLD,DMT,PMR; Habitat: A; Effect Codes: POP,ACC; Code: NO ENDPOINT(PMR,DMT).

Singh, D. P. and Saxena, R. S. (2008). Uptake and Metabolism of Permethrin by a Microorganism, *Aulosira fertilissima*. *Bionotes* 10: 101-102.

EcoReference No.: 118353

Chemical of Concern: PMR; Habitat: A; Effect Codes: ACC; Code: NO CONTROL(PMR).

Singh, K. V. and Bansal, S. K. (1996). Current Status of *Anopheles stephensi* Response to Various Insecticides in Some Areas of the Thar Desert. *Indian J.Med.Res.* 103: 299-303.

EcoReference No.: 104137

Chemical of Concern: DDT,DLD,MLN,FNT,PPX,PMR; Habitat: T; Effect Codes: MOR; Code: NO CONTROL(DDT,DLD,MLN,FNT,PPX,PMR).

Singh, K. V. and Bansal, S. K. (1996). Present Susceptibility of *Culex tritaeniorhynchus*, to Conventional and Some Other Insecticides in Kota (Rajasthan). *J.Commun.Dis.* 28: 64-66.

EcoReference No.: 104089

Chemical of Concern: DDT,DLD,MLN,FNT,PPX,PMR; Habitat: T; Effect Codes: MOR; Code: NO CONTROL(DDT,DLD,MLN,FNT,PPX,PMR).

Slama, K. and Miller, T. A. (1987). Insecticide Poisoning: Disruption of a Possible Autonomic Function in Pupae of *Tenebrio molitor*. *Pestic.Biochem.Physiol.* 29: 25-34.

EcoReference No.: 112441

Chemical of Concern:

HCCH,DDT,PPX,PIM,ACP,CBF,PIRM,DS,SMT,FNV,CYP,BRSM,ATN,OMT,DDVP,MVP,MLN,MTM,MOM,DM,PMR,PYN; Habitat: T; Effect Codes: MOR,GRO,PHY; Code: NO CONTROL(DM,MTM,MOM,PMR,PPX,PIM,ACP,CBF,PIRM,DS,SMT,FNV,CYP,BRSM,ATN,DMT,D DVP,MVP,MLN),NO COC(CHT).

Smilowitz, Z., Wallace, J., Gurecki, T., Rebarchak, P., and Yocum, J. O. (1986). Foliar Insecticide Efficacy Trial, 1984. *Insectic.Acaric.Tests* 11: 174-178 (230).

EcoReference No.: 88766

Chemical of Concern: ADC,PMR,MTM,CYT,FNV,PPB; Habitat: T; Effect Codes: POP; Code: NO ENDPOINT(PMR,ADC,MTM,CYT,FNV),NO MIXTURE(PPB).

Snodgrass, G. L. and Scott, W. P. (2000). Seasonal Changes in Pyrethroid Resistance in Tarnished Plant Bug (Heteroptera: Miridae) Populations During a Three-Year Period in the Delta Area of Arkansas, Louisiana, and Mississippi. *J.Econ.Entomol.* 93: 441-446.

EcoReference No.: 58602

Chemical of Concern: ACP,DCTP,DMT,MP,OML,CYF,PMR,PFF; Habitat: T; Effect Codes: MOR; Code: NO CONTROL(PFF,DCTP,OML,ACP,DMT,MP,CYF,PMR).

Sonoda, S., Tsukahara, Y., Ashfaq, M., and Tsumuki, H. (2008). Genomic Organization of the Para-Sodium Channel alpha-Subunit Genes from the Pyrethroid-Resistant and -Susceptible Strains of the Diamondback Moth. *Arch.Insect.Biochem.Physiol.* 69: 1-12.

EcoReference No.: 117655

Chemical of Concern: PMR; Habitat: T; Effect Codes: CEL; Code: NO ENDPOINT(PMR).

Sparks, T. C., Shour, M. H., and Wellemeyer, E. G. (1982). Temperature-Toxicity Relationships of Pyrethroids on Three Lepidopterans. *J.Econ.Entomol.* 75: 643-646 .

EcoReference No.: 72476

Chemical of Concern: PMR,DM,CYP; Habitat: T; Effect Codes: MOR; Code: NO CONTROL(DM,PMR,CYP).

Staatz, C. G., Bloom, A. S., and Lech, J. J. (1982). A Pharmacological Study of Pyrethroid Neurotoxicity in Mice. *Pestic.Biochem.Physiol.* 17: 287-292.

EcoReference No.: 110123

Chemical of Concern: DM,PMR; Habitat: T; Effect Codes: PHY; Code: LITE EVAL CODED(DM),NO CONTROL(PMR).

Stansly, P. A. and Cawley, B. M. (1993). Control of Sweetpotato Whitefly Tomato Pinworm and American Serpentine Leafminer on Staked Tomato, Fall 1991. *Insectic.Acaric.Tests* 18: 184 (114E).

EcoReference No.: 76229

Chemical of Concern: OML,MTM,EFV,PMR; Habitat: T; Effect Codes: POP,MOR,PHY; Code: OK(OML),NO MIXTURE(PMR,EFV,MTM).

Stein, E. A., Washburn, M., Walczak, C., and Bloom, A. S. (1987). Effects of Pyrethroid Insecticides on Operant Responding Maintained by Food. *Neurotoxicol.Teratol.* 9: 27-31.

EcoReference No.: 81175

Chemical of Concern: ATN,PMR,DM,FNV; Habitat: T; Effect Codes: BEH; Code: LITE EVAL CODED(ATN,DM,FNV),NO EXP TYPE(PMR).

Stevenson, J. H., Smart, L. E., and Walters, J. H. H. (1984). Laboratory Assessment of Insecticide Selectivity - Practical Relevance. *Proc.Br.Crop Prot.Conf.-Pests Dis.* 1: 355-358.

EcoReference No.: 112067

Chemical of Concern: PHSL,PIM,FNV,BRSM,PMR,ATN,DM,FYT; Habitat: T; Effect Codes: MOR; Code: NO REVIEW(ATN,BRSM,FNV),NO CONTROL(DM,PMR,CYP,PIM).

Strong, A. C., Kondratieff, B. C., Doyle, M. S., and Black, W. C. (2008). Resistance to Permethrin in *Culex tarsalis* in Northeastern Colorado. *J.Am.Mosq.Control Assoc.* 24: 281-288.

EcoReference No.: 117937

Chemical of Concern: PMR,PPB; Habitat: T; Effect Codes: MOR,BCM; Code: NO MIXTURE(PPB,PMR).

SupYoon, K., Symington, S. B., Lee, S. H., Soderlund, D. M., and Clark, J. M. (2008). Three Mutations Identified in the Voltage-Sensitive Sodium Channel alpha-Subunit Gene of Permethrin-Resistant Human Head Lice Reduce the Permethrin Sensitivity of House Fly Vssc1 Sodium Channels Expressed in *Xenopus* oocytes. *Insect Biochem.Mol.Biol.* 38: 296-306.

EcoReference No.: 117627

Chemical of Concern: CPMR; Habitat: A; Effect Codes: PHY; Code: NO ENDPOINT(CPMR).

Symington, S. B. (2005). The Action of T- and CS-Syndrome Pyrethroids on Voltage-Sensitive Calcium Channels in Rat Brain. *Ph.D.Thesis, Univ.of Massachusetts, Amherst, MA* 127 p. (UMI#3163712).

EcoReference No.: 117582

Chemical of Concern: BFT,BRSM,BCY,LCYT,CYP,DM,EFV,FPP,PMR,TFT; Habitat: T; Effect Codes: PHY; Code: OK(DM),NO IN VITRO(BFT,BRSM,CYP,EFV,FPP,PMR).

Takahashi, M. and Yasutomi, K. (1987). Insecticidal Resistance of *Culex tritaeniorhynchus* (Diptera: Culicidae) in Japan: Genetics and Mechanisms of Resistance to Organophosphorus Insecticides. *J.Med.Entomol.* 24: 595-603.

EcoReference No.: 100994

Chemical of Concern: PMR,CBL,TMP,MLN,FNTH,FNT,DZ,PPX; Habitat: A; Effect Codes: MOR,BCM; Code: NO CONTROL(PMR,CBL,TMP,MLN,FNTH,FNT,DZ,PPX).

Takeuchi, S., Matsuda, T., Kobayashi, S., Takahashi, T., and Kojima, H. (2006). In Vitro Screening of 200 Pesticides for Agonistic Activity via Mouse Peroxisome Proliferator-Activated Receptor (PPAR)alpha and PPARgamma and Quantitative Analysis of In Vivo Induction Pathway. *Toxicol.Appl.Pharmacol.* 217: 235-244.

EcoReference No.: 89206

Chemical of Concern:

AND,HCCH,Captan,CHD,CTN,DDT,DBN,DCF,DLD,ES,EN,Folpet,HPT,MXC,PCP,ACF,ACFM,DFPM,FZFB,OXF,ACP,ANL,CPY,CPYM,DZ,DDVP,DMT,DS,ETN,FMP,FNT,FNTH,GYP,IFP,MLN,MTM,MDT,MP,PRN,PRT,PHSL,PSM,PIRM,PFF,TBO,TVP,TCM,TCF,CYF,CYH,CYP,DM,EFX,FNV,FYT,FVL,PMR,PYN,TFT,TLM,BDC,BMY,CBL,CBD,CBF,CPP,MCB,MOM,MLT,OML,PHMD,PIM,TBC,THM,ACR,ASM,FTL,MLX,MTL,PZM,ANZ,ATZ,MBZ,PRO,PMT,SZ,BSF,DFZ,DU,LNR,PPN,AMZ,BPH,BTN,DZM,EXQ,FRM,ILL,IMC,IPD,MCPA,24DXY,PAQT,PDM,PCZ,SXD,TBAH,TPM,TDF,TFZ,TFN,TFR,TVMP,VCZ,FTL,FNZ; Habitat: T; Effect Codes: BCM,CEL; Code: OK(ILL,PYN,DFPM),NO IN VITRO(AND,HCCH,Captan,CHD,CTN,DDT,DBN,DCF,DLD,ES,EN,Folpet,HPT,MXC,PCP,ACF,ACFM,FZFB,OXF,ACP,ANL,CPY,CPYM,DZ,DDVP,DMT,DS,ETN,FMP,FNT,FNTH,GYP,IFP,MLN,MTM,MDT,MP,PRN,PRT,PHSL,PSM,PIRM,PFF,TBO,TVP,TCM,TCF,CYF,CYH,CYP,DM,EFX,FNV,FYT,FVL,PMR,TFT,TLM,BDC,BMY,CBL,CBD,CBF,CPP,MCB,MOM,MLT,OML,PHMD,PIM,TBC,THM,ACR,ASM,FTL,MLX,MTL,PZM,ANZ,ATZ,MBZ,PRO,PMT,SZ,BSF,DFZ,DU,LNR,PPN,AMZ,BPH,BTN,DZM,EXQ,FRM,IMC,IPD,MCPA,24DXY,PAQT,PDM,PCZ,SXD,TBAH,TPM,TDF,TFZ,TFN,TFR,TVMP,VCZ,FTL,FNZ).

Tariq, R. M., Naqvi, S. N. H., Siddiqui, B. S., Rasheed, M., Aslam, M., and Zafar, S. M. N. (2006). Toxicity of Various Fractions and Subfractions from Fruit Coats of Neem (*Azadirachta indica* A. Juss.) Against *Anopheles stephensi* Liston. *Int.J.Biol.Biotechnol.* 3: 81-85.

EcoReference No.: 97918

Chemical of Concern: AZD,PMR; Habitat: A; Effect Codes: MOR; Code: NO ENDPOINT(PMR,AZD).

Taylor, M. F. J., Heckel, D. G., Brown, T. M., Kreitman, M. E., and Black, B. (1993). Linkage of Pyrethroid Insecticide Resistance to a Sodium Channel Locus in the Tobacco Budworm. *Insect Biochem.Mol.Biol.* 23: 763-775.

EcoReference No.: 59685
Chemical of Concern: PMR; Habitat: T; Effect Codes: MOR,CEL; Code: NO ENDPOINT,NO CONTROL(PMR).

Taylor, W. G., Vedres, D. D., and Hall, T. W. (1997). Capillary Gas Chromatographic Determination of Permethrin Insecticide by Transesterification. *J.Chromatog.B* 690: 123-129.

EcoReference No.: 117762
Chemical of Concern: PMR; Habitat: T; Effect Codes: ACC; Code: NO ENDPOINT(PMR).

Tewari, R. K., Srivastava, A. S., Mathur, Y. K., and Upadhyaya, K. D. (1990). Bioassay of Different Insecticides and Pyrethroids Against the Adults of Sugarcane Leafhopper *Pyrrilla perpusilla* Walker. *Indian J.Entomol.* 52: 358-363.

EcoReference No.: 66642
Chemical of Concern: DM,CYP,HCCH,MLN,FNTH,DZ,DMT ES,CBL,CPY,FNT,PHSL,PMR,FNV;
Habitat: T; Effect Codes: MOR; Code: NO CONTROL(DM,CYP,HCCH,MLN,FNTH,DZ,DMT ES,CBL,CPY,FNT,PHSL,PMR,FNV).

Tonkopii, V. (2006). Bioidentification of Xenobiotics in Water as a Part of Pollution Control. *In: Proc.11th World Lakes Conf., Oct.31-Nov.4, Nairobi, Kenya* 2: 371-373.

EcoReference No.: 93004
Chemical of Concern:
CHT,RSM,ATN,DM,FNV,PCB,EN,DLD,AND,MLO,CBL,Cu,Co,Cd,Cr,As,Al,DDVP,DDT,HCCH,HgCl
2,PbN,CYP,PMR,SMT; Habitat: A; Effect Codes: MOR; Code: NO CONTROL(CHT,DM,EN,DLD,AND,Co,Cd,Al,DDVP,DDT,HCCH,HgCl2,PbN,CYP,PMR,SMT),NO EFFECT(RSM,ATN,FNV,MLO,CBL,Cu,Cr,As).

Tonkopii, V., Zagrebin, A., and Iofina, I. (2008). Bioidentification of Xenobiotics as a Basis of Water Management. *Nato Sci.Peace Security Ser.C* 349-353.

EcoReference No.: 118097
Chemical of Concern:
HgCl2,PbN,Cu,Co,Cd,Cr,As,Al,TCF,DDVP,MLN,MLO,AND,DLD,EN,DDT,CYP,FNV,DM,PMR,ATN,
RSM,SMT,CHT; Habitat: A; Effect Codes: MOR; Code: NO CONTROL(DDVP,CYP,PMR),NO CONC(TCF,MLN,MLO,FNV,RSM,CHT,Cr,As,Cu).

Trumble, J. T., Carson, W. G., and Kund, G. S. (1997). Economics and Environmental Impact of a Sustainable Integrated Pest Management Program in Celery. *J.Econ.Entomol.* 90: 139-146.

EcoReference No.: 114802
Chemical of Concern: MOM,PMR,ABM; Habitat: T; Effect Codes: POP; Code: NO ENDPOINT(PMR,MOM).

Usmani, K. A., Abd-Elghafar, S. F., and Knowles, C. O. (1995). Amitraz Effect on the Pharmacokinetics of Permethrin in *Helicoverpa zea* (Lepidoptera: Noctuidae). *J.Econ.Entomol.* 88: 1580-1585.

EcoReference No.: 117716
Chemical of Concern: TPMA,PMR,24DMA,24DMPF,CPMR,AMZ; Habitat: T; Effect Codes: MOR,ACC; Code: NO ENDPOINT(TPMA,CPMR,PMR),NO MIXTURE(AMZ,24DMA,24DMPF).

Vaidya, D. N. and Mehta, P. K. (1993). Efficacy of Field-Weathered Deposits of Insecticides for Control of Gram Podborer, (*Helicoverpa armigera*) and Cabbage Semilooper (*Plusia orichalcea*) Larvae on Egyptian Clover (*Trifolium alexandrinum*). *Indian J.Agric.Sci.* 63: 306-309.

- EcoReference No.: 93240
 Chemical of Concern: FNV,PMR,ES,MLN,PHSL; Habitat: T; Effect Codes: MOR; Code: TARGET(FNV,MLN,PHSL),NO ENDPOINT(PMR,ES).
- Valles, S. M. (1998). Toxicological and Biochemical Studies with Field Populations of the German Cockroach, *Blattella germanica*. *Pestic.Biochem.Physiol.* 62: 190-200.
- EcoReference No.: 103280
 Chemical of Concern: PPX,CYP,CYH,PPB,TBF,PMR,CPY; Habitat: T; Effect Codes: BCM; Code: NO MIXTURE(PPB,TBF),NO CONTROL(PMR,CPY,TMP,PPX).
- Valles, S. M. and Yu, S. J. (1996). Detection and Biochemical Characterization of Insecticide Resistance in the German Cockroach (Dictyoptera: Blattellidae). *J.Econ.Entomol.* 89: 21-26.
- EcoReference No.: 92698
 Chemical of Concern: BDC,PPY,CPY,CYP,PMR,TBF,PPB; Habitat: T; Effect Codes: MOR,BCM; Code: NO MIXTURE(PPB,TBF),NO CONTROL(CPY,CYP,PMR).
- Vargas, R. I., Stark, J. D., Mackey, B., and Bull, R. (2005). Weathering Trials of Amulet Cue-Lure and Amulet Methyl Eugenol "Attract-and-Kill" Stations with Male Melon Flies and Oriental Fruit Flies (Diptera: Tephritidae) in Hawaii. *J.Econ.Entomol.* 98: 1551-1559.
- EcoReference No.: 87975
 Chemical of Concern: NALED,SS,MEG,MLN,PMR,DDVP; Habitat: T; Effect Codes: POP; Code: NO CONTROL(NALED,SS,MEG,MLN,PMR,DDVP).
- Vasuki, V. and Rajavel, A. R. (1992). beta-Cyfluthrin, a Synthetic Pyrethroid for Mosquito Control. *Southeast Asian J.Trop.Med.Public Health* 23: 318-323.
- EcoReference No.: 109906
 Chemical of Concern: DM,PMR,TLM,CYF; Habitat: AT; Effect Codes: MOR,REP; Code: LITE EVAL CODED(CYF),NO REVIEW(TLM,PMR,DM).
- Vatandoost, H., Oshaghi, M. A., Abaie, M. R., Shahi, M., Yaaghoobi, F., Baghaili, M., Hanafi-Bojd, A. A., Zamani, G., and Townson, H. (2006). Bionomics of *Anopheles stephensi* Liston in the Malarious Area of Hormozgan Province, Southern Iran, 2002. *Acta Trop.* 97: 196-203.
- EcoReference No.: 111743
 Chemical of Concern: BDC,DLD,DDT,DM,CYF,PMR,PPX,FNT,MLN,TMP,CPY; Habitat: AT; Effect Codes: MOR,POP; Code: NO ENDPOINT(DM,PMR,PPX,FNT,CYF,MLN,TMP,CPY).
- Voss, R. H., Hollingsworth, C. S., and Ferro, D. N. (1987). Potato Insect Control, 1985. *Insectic.Acaric.Tests* 12: 147-148 (170).
- EcoReference No.: 88772
 Chemical of Concern: ADC,CYT,PMR,PPB; Habitat: T; Effect Codes: POP; Code: OK(CYT),NO MIXTURE(PPB,PMR),TARGET(ADC).
- Warner, J. and Hay, S. (1985). Observations, Monitoring, and Control of Clearwing Borers (Lepidoptera: Sesiidae) on Apple in Central Ontario. *Can.Entomol.* 117: 1471-1478.
- EcoReference No.: 105191
 Chemical of Concern: DMT,FNV,PMR,ES,PRN,CPY,HCCH; Habitat: T; Effect Codes: POP; Code: LITE EVAL CODED(CPY),OK(ES),TARGET(DMT,FNV),NO MIXTURE(PMR).
- Watiers, F. L., White, N. D. G., and Cote, O. (1983). Effect of Temperature on Toxicity and Persistence of Three

Pyrethroid Insecticides Applied to Fir Plywood for the Control of the Red Flour Beetle (Coleoptera: Tenebrionidae). *J.Econ.Entomol.* 76: 11-16.

EcoReference No.: 113399

Chemical of Concern: CYP,FNV,PMR; Habitat: T; Effect Codes: MOR; Code: NO
ENDPOINT(PMR),TARGET(FNV,CYP).

Watrin, C. G. and Radcliffe, E. B. (1986). Control of Colorado Potato Beetle Larvae with Foliar Insecticides, 1985. *Insectic.Acaric.Tests* 11: 182-183 (234).

EcoReference No.: 88800

Chemical of Concern: PMR,CYF,BFT,CBF,AZ,LCYT,MTM,MP,CBL,FNV,PIM,OXD; Habitat: T;
Effect Codes: POP; Code: NO
ENDPOINT(PMR),TARGET(CBL,MTM,CYF,AZ,MP,FNV,PIM,BFT,CBF,OXD).

Watrin, C. G. and Radcliffe, E. B. (1986). Control of Tomato Fruitworm Control in Puerto Rico on Three Tomato Cultivars, 1984-85. *Insectic.Acaric.Tests* 11: 200 (260).

EcoReference No.: 87886

Chemical of Concern: CBL,PMR; Habitat: T; Effect Codes: POP,PHY; Code: NO
ENDPOINT(PMR,CBL).

Weston, D. P., You, J., Harwood, A. D., and Lydy, M. J. (2009). Whole Sediment Toxicity Identification Evaluation Tools for Pyrethroid Insecticides: III. Temperature Manipulation. *Environ.Toxicol.Chem.* 28: 173-180.

EcoReference No.: 115446

Chemical of Concern: CdCl,DDT,CPY,LCYT,PMR,EFV,BFT; Habitat: A; Effect Codes: MOR,ACC;
Code: NO CONTROL(PMR),NO SEDIMENT CONC(BFT,CPY,EFV) .

White, N. D. G. (1984). Residual Activity of Organophosphorus and Pyrethroid Insecticides Applied to Wheat Stored Under Simulated Western Canadian Conditions. *Can.Entomol.* 116: 1403-1410.

EcoReference No.: 64197

Chemical of Concern: MLN,CYP,PMR,PIRM; Habitat: T; Effect Codes: REP,POP,MOR; Code: NO
ENDPOINT(PMR,MLN),OK(CYP,PIRM).

Whitney, W. K. and Wettstein, K. (1979). AC 222,705, a New Pyrethroid Insecticide: Performance Against Crop Pests. *In: Proc.10th Br.Crop Prot.Conf.-Pests and Dis.:* 387-394.

EcoReference No.: 72079

Chemical of Concern: FYT,FNV,PMR; Habitat: T; Effect Codes: CEL,MOR,GRO; Code: NO
CONTROL(FNV,PMR).

Wills, L. E., Mullens, B. A., and Mandeville, J. D. (1990). Effects of Pesticides on Filth Fly Predators (Coleoptera: Histeridae, Staphylinidae; Acarina: Macrochelidae, Uropodidae) in Caged Layer Poultry Manure. *J.Econ.Entomol.* 83: 451-457 .

EcoReference No.: 94754

Chemical of Concern: DMT,CYR,PMR; Habitat: T; Effect Codes: POP; Code:
TARGET(DMT,CYR),NO CONC(PMR).

Wolfenbarger, D. A. and Guerra, A. A. (1986). Toxicity and Hypoxia of Three Petroleum Hydrocarbons and Cottonseed Oil to Adult Boll Weevils and Larvae of Tobacco Budworms. *Southwest.Entomol. Suppl.* 11: 69-74.

EcoReference No.: 78378

Chemical of Concern: ALSV,PMR; Habitat: T; Effect Codes: PHY,MOR; Code: LITE EVAL CODED(ALSV),NO CONTROL,NO ENDPOINT(PMR).

Yan, S., Wu, Z., Cui, F., Zhao, Q., and Qiao, C. (2008). Dynamics of Esterase Alleles in *Culex pipiens* Complex Mosquitoes in Beijing. *J.Econ.Entomol.* 101: 1897-1902.

EcoReference No.: 117758

Chemical of Concern: TMT,PRN,DDVP,PMR,PPX,CPY; Habitat: A; Effect Codes: MOR,BCM; Code: NO CONTROL(TMT,PMR,DDVP,PPX,CPY).

Yap, H. H., Foo, A. E. S., Lee, C. Y., Chong, N. L., Awang, A. H., Baba, R., and Yahaya, A. M. (1996). Laboratory and Field Trials of Fenthion and Cyfluthrin Against *Mansonia uniformis* Larvae. *J.Vector Ecol.* 21: 146-149.

EcoReference No.: 100490

Chemical of Concern: PMR,CYF,CPY,TMP,FNTH; Habitat: A; Effect Codes: MOR; Code: NO CONTROL(PMR,CPY,TMP),TARGET(CYF).

Yebakima, A., Marquine, M., Rosine, J., Yp-Tcha, M. M., and Pasteur, N. (2004). Evolution of Resistance Under Insecticide Selection Pressure in *Culex pipiens quinquefasciatus* (Diptera, Culicidae) from Martinique. *J.Med.Entomol.* 41: 718-725 .

EcoReference No.: 101010

Chemical of Concern: PMR,PPX,TMP,CPY; Habitat: A; Effect Codes: MOR; Code: NO CONTROL(PMR,TMP,CPY,PPX).

Yu, S. J. (1993). Inheritance of Insecticide Resistance and Microsomal Oxidases in the Diamondback Moth (Lepidoptera: Yponomeutidae). *J.Econ.Entomol.* 86: 680-683 .

EcoReference No.: 112248

Chemical of Concern: PMR,MOM; Habitat: T; Effect Codes: MOR,BCM; Code: NO CONTROL(MOM,PMR).

Excluded

1994). Appendix G: Chlorinated phenolics. *Regulatory Toxicology and Pharmacology* 20: S895-S938.
Chem Codes: Chemical of Concern: CPMR Code: REVIEW.

1982). **Author Index 1982.** *Tetrahedron Letters* 23: xlv-xcvii.
Chem Codes: Chemical of Concern: CPMR Code: NO TOX DATA.

Biotechnologies for Assessment of Toxic Hazards in Operational Environments (Utilisation Des Biotechnologies Pour L'evaluation Des Risques Toxiques En Environnement Operationnel). *Govt Reports Announcements & Index (GRA&I), Issue 08, 2009.*
Chem Codes: Chemical of Concern: CPMR Code: HUMAN HEALTH.

1997). Cumulative Subject Index for Volumes 142-147. *Toxicology and Applied Pharmacology* 147: 467-496.
Chem Codes : Chemical of Concern: CPMR Code: NO TOX DATA.

1987). Cumulative subject index : Volumes 27-29. *Pesticide Biochemistry and Physiology* 29: 279-296.
Chem Codes: Chemical of Concern: CPMR Code: NO TOX DATA.

1989). Cumulative subject index : Volumes 33-35. *Pesticide Biochemistry and Physiology* 35: 325-341.
Chem Codes: Chemical of Concern: CPMR Code: NO TOX DATA.

- 2000-). EUROTOX 2000 17-20 September 2000 imperial college of science, technology & medicine London, England. *Toxicology Letters* 116: 1-118.
Chem Codes: Chemical of Concern: CPMR Code: REVIEW .
- 1996). Generic names. 1005-1012.
Chem Codes: Chemical of Concern: CPMR Code: CHEM METHODS.
- Preventing Mosquito-Borne Infections. *Prescrire Int.* 2008, Dec; 17(98):250-3. [*Prescrire international*].
Chem Codes: Chemical of Concern: CPMR Code: HUMAN HEALTH .
- 2002-). Proceedings of the BTS Annual Congress, University of Kent, Canterbury, Kent, 7-10 April, 2002.
Toxicology 178: 1-78.
Chem Codes: Chemical of Concern: CPMR Code: REVIEW.
- 1989). The reprotox **agent list**. *Reproductive Toxicology* 3: 63-78.
Chem Codes: Chemical of Concern: CPMR Code: NO TOX DATA.
- 1982). Subject Index 1982. *Tetrahedron Letters* 23: i-xliv.
Chem Codes: Chemical of Concern: CPMR Code: NO TOX DATA.
- 1988). Subject index for volumes 10-11. *Fundamental and Applied Toxicology* 11: 737-755.
Chem Codes: Chemical of Concern: CPMR Code: NO TOX DATA.
- 1982). Subject index for volumes 17-18. *Pesticide Biochemistry and Physiology* 18: 369-377.
Chem Codes: Chemical of Concern: CPMR Code: NO TOX DATA.
- 1985). Subject index for volumes 23-24. *Pesticide Biochemistry and Physiology* 24: 417-431.
Chem Codes: Chemical of Concern: CPMR Code: NO TOX DATA.
- 1986). Subject index for volumes 25-26. *Pesticide Biochemistry and Physiology* 26: 384-397.
Chem Codes: Chemical of Concern: CPMR Code: NO TOX DATA.
- 1978). Subject index for volumes 8-9. *Pesticide Biochemistry and Physiology* 9: 354-364.
Chem Codes: Chemical of Concern: CPMR Code: NO TOX DATA.
- 2005). Subject index of Volume 5. *International Immunopharmacology* 5: 1986-2002.
Chem Codes: Chemical of Concern: CPMR Code: NO TOX DATA.
- 2007). Table of Contents, Barcode. *Environmental Research* 104: OBC.
Chem Codes: Chemical of Concern: CPMR Code: NO TOX DATA.
- 1991). Thirty-Fifth Annual Meeting February 24-28, 1991 Moscone Center San Francisco, California: Tuesday Symposia and Posters, Part V. *Biophysical Journal* 59: 254a-291a.
Chem Codes: Chemical of Concern: CPMR Code: ABSTRACT.
- 2008). Thursday Posters. *Journal of the American Society for Mass Spectrometry* 19: S114-S140.
Chem Codes: Chemical of Concern: CPMR Code: ABSTRACT.
- 1990). Volume 4 1990 List of contents. *Toxicology in Vitro* 4: iii-ixi.
Chem Codes: Chemical of Concern: CPMR Code: NO TOX DATA.
- Abdel-Aal, Yehia A. I. and Soderlund, David M. (1980). Pyrethroid-hydrolyzing esterases in southern armyworm larvae: Tissue distribution, kinetic properties, and selective inhibition. *Pesticide Biochemistry and Physiology* 14: 282-289.
Chem Codes: Chemical of Concern: CPMR Code: IN VITRO,NO EFFECT.

- Abdelbagi, Hamad A. and Adams, Andrew J. (1987). Influence of droplet size, air-assistance and electrostatic charge upon the distribution of ultra-low-volume sprays on tomatoes. *Crop Protection* 6: 226-233.
Chem Codes: Chemical of Concern: CPMR Code: CHEM METHODS.
- Aberer, E. (What Should One Do in Case of a Tick Bite? *Curr Probl Dermatol.* 2009; 37:155-66. [*Current problems in dermatology*].
Chem Codes: Chemical of Concern: CPMR Code: HUMAN HEALTH.
- Abu-Qare, A. W. and Abou-Donia, M. B. (In Vitro Metabolism and Interactions of Pyridostigmine Bromide, N,N-Diethyl-M-Toluamide, and Permethrin in Human Plasma and Liver Microsomal Enzymes. *Xenobiotica.* 2008, Mar; 38(3):294-313. [*Xenobiotica; the fate of foreign compounds in biological systems*].
Chem Codes: Chemical of Concern: CPMR Code: HUMAN HEALTH.
- Addae, P. C., Collis-George, N., and Pearson, C. J. (1991). Over-riding effects of temperature and soil strength on wheat seedlings under minimum and conventional tillage. *Field Crops Research* 28: 103-116.
Chem Codes: Chemical of Concern: CPMR Code: NO TOXICANT.
- Agneessens, R., Zenon-Roland, L., and Nangniot, P. (1984). Analysis of Pesticide Residues by High Resolution Gas Chromatography Part 2: Determination of Fungicide and Insecticide Residues in Various Crops. *J.High Resolut.Chromatogr.Chromatogr.Commun.* 7: 533-536.
Chem Codes: EcoReference No.: 89731
Chemical of Concern: CAP,Captan,CTN,DM,DLN,ES,IPD,HCCH,PMR,PNB,TYF Code: METHODS.
- Akiner, M. M. and Caglar, S. S. (2006). The Status and Seasonal Changes of Organophosphate and Pyrethroid Resistance in Turkish Populations of the House Fly, *Musca domestica* L. (Diptera: Muscidae). *J.Vector Ecol.* 31: 426-432.
Chem Codes: Chemical of Concern: FNT,PSM,PMR,DM,CHT,CYP Code: NO CONC.
- Al Nasir, F. M., Jiries, A. G., Batarseh, M. I., and Beese, F. (2001). Pesticides and Trace Metals Residue in Grape and Home Made Wine in Jordan. *Environ.Monit.Assess.* 66: 253-263.
Chem Codes: Chemical of Concern:
MDT,IPD,DLN,VCZ,PCZ,HPT,PPHD,PMR,HTX,HCCH,DINO,CHD,Ni,Cu,Zn,Pb,PCNB,CTN,DCF,ES,
PPG,LCYT,FRM Code: SURVEY.
- Al-Rajhi, Deifalla H. (1990). Properties of Ca²⁺ + Mg²⁺-ATPase from rat brain and its inhibition by pyrethroids. *Pesticide Biochemistry and Physiology* 37: 116-120.
Chem Codes: Chemical of Concern: CPMR Code: IN VITRO.
- Aldridge, W. N. (An Assessment of the Toxicological Properties of Pyrethroids and Their Neurotoxicity. *CRIT REV TOXICOL*; 21 (2). 1990. 89-104.
Chem Codes: Chemical of Concern: CPMR Code: REVIEW.
- Allan, L. J., House, W. A., Parker, A., and Carter, J. E. (2005). Diffusion of the Synthetic Pyrethroid Permethrin Into Bed-Sediments. *Environmental Science & Technology [Environ. Sci. Technol.]*. Vol. 39, no. 2, pp. 523-530. 15 Jan 2005.
Chem Codes: Chemical of Concern: CPMR Code: FATE.
- Alon, Michal, Alon, Fishel, Nauen, Ralf, and Morin, Shai (2008). Organophosphates' resistance in the B-biotype of *Bemisia tabaci* (Hemiptera: Aleyrodidae) is associated with a point mutation in an ace1-type acetylcholinesterase and overexpression of carboxylesterase. *Insect Biochemistry and Molecular Biology* 38: 940-949.
Chem Codes: Chemical of Concern: CPMR Code: IN VITRO.
- Altarawneh, Mohammednoor, Carrizo, Daniel, Ziolkowski, Artur, Kennedy, Eric M., Dlugogorski, Bogdan Z., and Mackie, John C. (2009). Pyrolysis of permethrin and formation of precursors of polychlorinated dibenzo-p-

- dioxins and dibenzofurans (PCDD/F) under non-oxidative conditions. *Chemosphere* 74: 1435-1443.
Chem Codes: Chemical of Concern: CPMR Code: CHEM METHODS,FATE.
- Amweg, E. L., Weston, D. P., You, J., and Lydy, M. J. (2006). Pyrethroid Insecticides and Sediment Toxicity in Urban Creeks from California and Tennessee. *Environ.Sci.Technol.* 40: 1700-1706.
Chem Codes: Chemical of Concern: DM,CYP,PMR,CYF,BFT,CYH Code: SURVEY.
- Anadón, A., Martínez-Larrañaga, M. R., and Martínez, M. A. (2009). Use and abuse of pyrethrins and synthetic pyrethroids in veterinary medicine. *The Veterinary Journal* 182: 7-20.
Chem Codes: Chemical of Concern: CPMR Code: REVIEW.
- Anand, Sathanandam S., Bruckner, James V., Haines, Wendy T., Muralidhara, Srinivasa, Fisher, Jeffrey W., and Padilla, Stephanie (2006-). Characterization of deltamethrin metabolism by rat plasma and liver microsomes. *Toxicology and Applied Pharmacology* 212: 156-166.
Chem Codes: Chemical of Concern: CPMR,DM Code: IN VITRO,NO EFFECT.
- Annis, P. C. (2004). CHEMICALS FOR GRAIN PRODUCTION AND PROTECTION. 273-279.
Chem Codes: Chemical of Concern: CPMR Code: REVIEW.
- Appel, K. E., Gundert-Remy, U., Fischer, H., Faulde, M., Mross, K. G., Letzel, S., and Rossbach, B. (Risk Assessment of Bundeswehr (German Federal Armed Forces) Permethrin-Impregnated Battle Dress Uniforms (Bdu). *Int J Hyg Environ Health.* 2008, Mar; 211(1-2):88-104. [International journal of hygiene and environmental health].
Chem Codes: Chemical of Concern: CPMR Code: HUMAN HEALTH.
- Askenaizer, Dan (2001). Drinking Water Quality and Treatment. 651-671.
Chem Codes: Chemical of Concern: CPMR Code: CHEM METHODS.
- Baeza-Squiban, Armelle, Meinard, Colette, and Marano, Francelyne (1988). Metabolism of deltamethrin in two cell types in vitro. *Pesticide Biochemistry and Physiology* 32: 253-261.
Chem Codes: Chemical of Concern: CPMR,DM Code: IN VITRO.
- Bahadir, M., Lorenz, W., and Korte, F. (1987). Einfluss Unterschiedlicher Formulierungen auf die Stabilität und Insektizide Wirkungen von Pyrethroiden im Boden. *Chemosphere* 16: 1311, 1317 (doi: 10.1016/0045-6535(87)90067-1) (GER) (ENG ABS).
Chem Codes: Chemical of Concern: DM,CYP,FNV,PMR Code: NON-ENGLISH.
- Baker, T. C. and Heath, J. J. (2005). Pheromones: Function and Use in Insect Control. 407-459.
Chem Codes: Chemical of Concern: CPMR Code: REVIEW.
- Barcelo, D. and Hennion, M. C. (Sampling of Polar Pesticides From Water Matrices. *ANALYTICA CHIMICA ACTA*; 338 (1-2). 1997. 3-18.
Chem Codes: Chemical of Concern: CPMR Code: CHEM METHODS.
- Baron, R. L. and Merriam, T. L. (1988). Toxicology of Aldicarb. *Rev.Environ.Contam.Toxicol.* 105: 1-70.
Chem Codes: EcoReference No.: 91408
 Chemical of Concern: PMR,ADC,AZ,CBF,FNV,MLN,MOM Code: REVIEW.
- Barr, Dana B. and Needham, Larry L. (2002-). Analytical methods for biological monitoring of exposure to pesticides: a review. *Journal of Chromatography B* 778: 5-29.
Chem Codes: Chemical of Concern: CPMR Code: CHEM METHODS.
- Bartleson, Richard D., Kemp, W. Michael, and Stevenson, J. Court (2005-). Use of a simulation model to examine effects of nutrient loading and grazing on Potamogeton perfoliatus L. communities in microcosms. *Ecological Modelling* 185: 483-512.

- Chem Codes: Chemical of Concern: CPMR Code: NO TOXICANT.
- Barwick, V. J., Ellison, S. Lr, Lacey, S. J., Mussell, C. R., and Lucking, C. L. (Evaluation of a Solid Phase Extraction Procedure for the Determination of Pesticide Residues in Foodstuffs. *JOURNAL OF THE SCIENCE OF FOOD AND AGRICULTURE*; 79 (9). 1999. 1190-1196.
Chem Codes: Chemical of Concern: CPMR Code: CHEM METHODS,FOOD.
- Baynes, R. E., Halling, K. B., and Riviere, J. E. (1997). The Influence of Diethyl-m-toluamide (DEET) on the Percutaneous Absorption of Permethrin and Carbaryl. *Toxicology and Applied Pharmacology* 144: 332-339.
Chem Codes: Chemical of Concern: CPMR,CBL Code: IN VITRO,MIXTURE.
- Baynes, Ronald E. and Riviere, Jim E. (2001). Pesticide Disposition: Dermal Absorption. 515-530.
Chem Codes: Chemical of Concern: CPMR Code: REVIEW.
- bdel-Halim, K. Y., Salama, A. K., El-khateeb, E. N., and Bakry, N. M. (2006). Organophosphorus pollutants (OPP) in aquatic environment at Damietta Governorate, Egypt: Implications for monitoring and biomarker responses. *Chemosphere* 63: 1491-1498.
Chem Codes: Chemical of Concern: CPMR Code: SURVEY.
- Beavis, C., Simpson, P., Syme, J., and Ryan, C. (1991). Chemicals for the Protection of Field Crops, Forage Crops and Pastures . *Queensl.Dep.of Primary Ind.Info.Ser.No.QI91006, Infopest: Chemicals for the Protection of Field Crops, Forage Crops, and Pastures, 2nd Edition, Brisbane, Queensland, Australia* 312 p.
Chem Codes: Chemical of Concern:
PIM,MOM,TBO,EFV,DM,MB,TCF,PPHN,ADC,AZ,CBL,DZ,FNT,ES,PMR,DU,ATZ,GYP,PAQT,BMN,
SZ,CPY,DDVP,TDC,BDC,PFF Code: REVIEW.
- Beavis, C., Simpson, P., Syme, J., and Ryan, C. (1991). Chemicals for the Protection of Fruit and Nut Crops. *Queensl.Dep.of Primary Ind.Info.Ser.No.QI91004, Infopest: Chemicals for the Protection of Field Crops, Forage Crops, and Pastures, 2nd Edition, Brisbane, Queensland, Australia* 312 p.
Chem Codes: Chemical of Concern:
PIM,MOM,TBO,EFV,DM,MB,TCF,PPHN,ADC,AZ,CBL,DZ,FNT,ES,PMR,DU,ATZ,GYP,PAQT,BMN,
SZ,CPY,DDVP,TDC,BDC Code: REVIEW.
- Beavis, C., Simpson, P., Syme, J., and Ryan, C. (1991). Chemicals for the Protection of Ornamentals and Turf. *Queensl.Dep.of Primary Ind.Info.Ser.No.QI91003, Infopest: Chemicals for the Protection of Field Crops, Forage Crops, and Pastures, 2nd Edition, Brisbane, Queensland, Australia* 312 p.
Chem Codes: Chemical of Concern:
PIM,MOM,TBO,EFV,DM,MB,TCF,PPHN,ADC,AZ,CBL,DZ,FNT,ES,PMR,DU,ATZ,GYP,PAQT,BMN,
SZ,CPY,DDVP,TDC,BDC Code: REVIEW.
- Beavis, C., Simpson, P., Syme, J., and Ryan, C. (1991). Chemicals for the Protection of Vegetable Crops. *Queensl.Dep.of Primary Ind.Info.Ser.No.QI91005, Infopest: Chemicals for the Protection of Field Crops, Forage Crops, and Pastures, 2nd Edition, Brisbane, Queensland, Australia* 312 p.
Chem Codes: Chemical of Concern:
PIM,MOM,TBO,EFV,DM,MB,TCF,PPHN,ADC,AZ,CBL,DZ,FNT,ES,PMR,DU,ATZ,GYP,PAQT,BMN,
SZ,CPY,DDVP,TDC,BDC Code: REVIEW.
- Bennett, D. A., Chung, A. C., and Lee, S. M. (Multiresidue Method for Analysis of Pesticides in Liquid Whole Milk. *JOURNAL OF AOAC INTERNATIONAL*; 80 (5). 1997. 1065-1077.
Chem Codes: Chemical of Concern: CPMR Code: CHEM METHODS,FOOD.
- Berger-Prei_, Edith, Koch, Wolfgang, Behnke, Wolfgang, Gerling, Susanne, Kock, Heiko, Elflein, Lutz, and Appel, Klaus E. (2004). In-flight spraying in aircrafts: determination of the exposure scenario. *International Journal of Hygiene and Environmental Health* 207: 419-430.

- Chem Codes: Chemical of Concern: CPMR Code: FATE,HUMAN HEALTH.
- Berger-Prei, Edith, Koch, Wolfgang, Gerling, Susanne, Kock, Heiko, Klasen, Jutta, Hoffmann, Godehard, and Appel, Klaus E. (2006-). Aircraft disinfection: Exposure assessment and evaluation of a new pre-embarkation method. *International Journal of Hygiene and Environmental Health* 209: 41-56.
Chem Codes: Chemical of Concern: CPMR Code: HUMAN HEALTH.
- Berry, M. R., Johnson, L. S., Jones, J. W., Rader, J. I., Kendall, D. C., and Sheldon, L. S. (Dietary Characterizations in a Study of Human Exposures in the Lower Rio Grande Valley: I. Foods and Beverages. *ENVIRONMENT INTERNATIONAL*; 23 (5). 1997. 675-692.
Chem Codes: Chemical of Concern: CPMR Code: HUMAN HEALTH.
- Betteley, Katherine, Windass, Amy S., Mutch, Elaine, Brown, Colin D. A., and Williams, Faith M. (2009-). Characterisation of pesticide transport in neural cells. *Toxicology Proceedings of the Annual Congress of The British Toxicology Society* 262: 24.
Chem Codes: Chemical of Concern: CPMR Code: IN VITRO.
- Bicker, Wolfgang, Chiorescu, Ion, Arion, Vladimir B., Lämmerhofer, Michael, and Lindner, Wolfgang (2008-). Contributions to chromatographic chiral recognition of permethrinic acid stereoisomers by a quinine carbamate chiral selector: evidence from X-ray diffraction, DFT computations, 1H NMR, and thermodynamic studies. *Tetrahedron: Asymmetry* 19: 97-110.
Chem Codes: Chemical of Concern: CPMR Code: CHEM METHODS.
- Bisset, J. A., Rodriguez, M. M., Hemingway, J., Diaz, C., Small, G. J., and Ortiz, E. (1991). Malathion and Pyrethroid Resistance in *Culex quinquefasciatus* from Cuba: Efficacy of Pirimiphos-Methyl in the Presence of at Least Three Resistance Mechanisms. *Med.Vet.Entomol.* 5: 223-228.
Chem Codes: Chemical of Concern: CYP,PMR,MLN,PIRM,PPX,LCYT Code: NO DURATION.
- Bloomquist, J. R. and Klein, B. G. (2006). Insecticide Exposure in Parkinsonism. *Final Report.1 Jan 1999 - 31 Dec 2005.Virginia Polytechnic Inst.and State Univ.Blacksburg, VA* 89 p.
Chem Codes: EcoReference No.: 97328
Chemical of Concern: PMR,CPY Code: REVIEW.
- Bodnaryk, Robert P. (1982). The effects of pesticides and related compounds on cyclic nucleotide metabolism. *Insect Biochemistry* 12: 589-597.
Chem Codes: Chemical of Concern: CPMR Code: NO EFFECT.
- Bondarenko, S. and Gan, J. (2009). Simultaneous Measurement of Free and Total Concentrations of Hydrophobic Compounds. *Environ Sci Technol* 43: :3772-7.
Chem Codes: Chemical of Concern: CPMR Code: CHEM METHODS.
- Bornschein, S., Hausteiner, C., Pohl, C., Jahn, T., Angerer, J., Foerstl, H., and Zilker, T. (200). Pest Controllers: a High-Risk Group for Multiple Chemical Sensitivity (Mcs)? *Clin Toxicol (Phila)*. 2008, Mar 46:].
Chem Codes: Chemical of Concern: CPMR Code: HUMAN HEALTH.
- Bossard, R. L., Hinkle, N. C., and Rust, M. K. (1998). Review of Insecticide Resistance in Cat Fleas (Siphonaptera: Pulicidae). *J.Med.Entomol.* 35: 415-422.
Chem Codes: EcoReference No.: 117710
Chemical of Concern: TBF,FVL,FNT,PPF,TLM,RSM,PPX,CYP,CYF,PTP,CPY,PMR,DZ,CBL,MLN
Code: REVIEW.
- Braguini, Welligton L., Cadena, Silvia M. S. C., Carnieri, Eva G. S., Rocha, Maria Eliane, and de Oliveira, Maria Benigna (2004-). Effects of deltamethrin on functions of rat liver mitochondria and on native and synthetic model membranes. *Toxicology Letters* 152: 191-202.

- Chem Codes: Chemical of Concern: CPMR,DM Code: IN VITRO.
- Brewster, M. A., Rupe, W., and Rafferty, M. H. (1992). Small Area Pesticides Data: Multiplicity and Variability of Pesticide Usage on Southern Row Crops. *Arch. Environ. Contam. Toxicol.* 23: 289-294.
Chem Codes: Chemical of Concern: ACP,ADC,AZ,CBL,CBF,CPY,DCTP,DMT,FNV,MLN,MDT,MOM,MP,PMR,BMY,Captan,CBX,CLNB,CTN,MZB,Maneb,THM,PMT,DMB,OYZ,ACF,CZE,DSMA,PPN,TBC,TFN,24D,24DB,ACR,BT,DU,GY P,LNR,MFD,MTL,MLT,NFZ,PAQT,PDM,MSMA,NPM,ODZ,SPS,TXP,PNB,TBA,TPE,SZ,FMU,MBZ
Code: REFS CHECKED/REVIEW.
- Bromilow, R. H., De Carvalho, R. F., Evans, A. A., and Nicholls, P. H. (2006). Behavior of Pesticides in Sediment/Water Systems in Outdoor Mesocosms. *J. Environ. Sci. Health Part B* 41: 1-16.
Chem Codes: Chemical of Concern: CPY,DFC,PMR,MCP1,PDM,LNR Code: FATE/MIXTURE.
- Brooks, G. T. (Insecticide Metabolism and Selective Toxicity. *ISSX (INTERNATIONAL SOCIETY FOR THE STUDY OF XENOBIOTICS) FIRST EUROPEAN MEETING ON FOREIGN COMPOUND METABOLISM, MALTA, ITALY, 1985. XENOBIOTICA*; 16 (10-11). 1986. 989-1002.
Chem Codes: Chemical of Concern: CPMR Code: REVIEW.
- Brooks, Matthew W. and Clark, J. Marshall (1987). Enhancement of norepinephrine release from rat brain synaptosomes by alpha cyano pyrethroids. *Pesticide Biochemistry and Physiology* 28: 127-139.
Chem Codes: Chemical of Concern: CPMR Code: IN VITRO.
- Bruce, Breton W. and McMahon, Peter B. (1996-). Shallow ground-water quality beneath a major urban center: Denver, Colorado, USA. *Journal of Hydrology* 186: 129-151.
Chem Codes: Chemical of Concern: CPMR Code: FATE.
- Buehlmann, M., Beltraminelli, H., Strub, C., Bircher, A., Jordan, X., Battegay, M., Itin, P., and Widmer, A. F. (Scabies Outbreak in an Intensive Care Unit With 1,659 Exposed Individuals--Key Factors for Controlling the Outbreak. *Infect Control Hosp Epidemiol.* 2009, Apr; 30(4):354-60. [*Infection control and hospital epidemiology : the official journal of the Society of Hospital Epidemiologists of America*].
Chem Codes: Chemical of Concern: CPMR Code: HUMAN HEALTH.
- Burr, S. A. and Ray, D. E. (2004). Structure-Activity and Interaction Effects of 14 Different Pyrethroids on Voltage-Gated Chloride Ion Channels. *Toxicological Sciences [Toxicol. Sci.]*. Vol. 77, no. 2, pp. 341-346. 2004.
Chem Codes: Chemical of Concern: CPMR Code: IN VITRO.
- Bushnell, Philip J. and Moser, Virginia C. (2006). Behavioral Toxicity of Cholinesterase Inhibitors. 347-360.
Chem Codes: Chemical of Concern: CPMR Code: HUMAN HEALTH.
- Cairns, T., Chiu, K. S., Navarro, D., and Siegmund, E. (Multiresidue Pesticide Analysis by Ion-Trap Mass Spectrometry. *RAPID COMMUNICATIONS IN MASS SPECTROMETRY*; 7 (11). 1993. 971-988.
Chem Codes: Chemical of Concern: CPMR Code: CHEM METHODS,FOOD.
- Cakmak, S. K., GÖ, NÜ, L, M., GÜ, L, U., Unal, T., Dağ, and Lar, E. (Norwegian Scabies in a Renal Transplant Patient. *Australas J Dermatol.* 2008, Nov; 49(4):248-9. [*The Australasian journal of dermatology*].
Chem Codes: Chemical of Concern: CPMR Code: HUMAN HEALTH.
- Cameron, Andrew M., Steiner, Joseph P., Roskams, A. Jane, Ali, Siraj M., Ronnett, Gabriele V., and Snyder, Solomon H. (1995-). Calcineurin associated with the inositol 1,4,5-trisphosphate receptor-FKBP12 complex modulates Ca²⁺ flux. *Cell* 83: 463-472.
Chem Codes: Chemical of Concern: CPMR Code: CHEM METHODS,IN VITRO.
- Carlson, J. A., Mazza, J., Kircher, K., and Tran, T. A. (Otophyma: a Case Report and Review of the Literature of

- Lymphedema (Elephantiasis) of the Ear. *Am J Dermatopathol.* 2008, Feb; 30(1):67-72. [*The American Journal of dermatopathology*].
Chem Codes: Chemical of Concern: CPMR Code: HUMAN HEALTH.
- Carthew, P., Clapp, C., and Gutsell, S. (2009). Exposure based waiving: The application of the toxicological threshold of concern (TTC) to inhalation exposure for aerosol ingredients in consumer products. *Food and Chemical Toxicology* 47: 1287-1295.
Chem Codes: Chemical of Concern: CPMR Code: INHALE.
- Casida, J. E., Gammon, D. W., Glickman, A. H., and Lawrence, L. J. (1983). Mechanisms of Selective Action of Pyrethroid Insecticides. *Ann.Rev.Pharmacol.Toxicol.* 23: 413-438.
Chem Codes: EcoReference No.: 36091
 Chemical of Concern:
 MLN,TLM,PPB,ATN,FVL,DM,CYP,PMR,BRSM,CHT,RSM,TMT,PYN,DDT,HCCH,DLN,DXP,PRN,DZ,FNV,SMT Code: REFS CHECKED/REVIEW.
- Cayley, G. R., Griffiths, D. C., Lewthwaite, R., Pye, B. J., Dewar, A. M., and Winder, G. H. (1987). Comparison of application methods for aphicides on sugar beet and swedes. *Crop Protection* 6: 365-370.
Chem Codes: Chemical of Concern: CPMR Code: METHODS.
- Chalmers, A. E. and Osborne, M. P. (1986). The Crayfish Stretch Receptor Organ: A Useful Model System for Investigating the Effects of Neuroactive Substances. II. A Pharmacological Investigation of Pyrethroid Mode of Action. *Pestic.Biochem.Physiol.* 26: 139-149.
Chem Codes: Chemical of Concern: ATN,PMR,DM Code: IN VITRO.
- Chang, C., Shen, W. K., Wang, T. T., Lin, Y. H., Hsu, E. L., and Dai, S. M. (A Novel Amino Acid Substitution in a Voltage-Gated Sodium Channel Is Associated With Knockdown Resistance to Permethrin in *Aedes Aegypti*. *Insect Biochem Mol Biol.* 2009, Apr; 39(4):272-8. [*Insect biochemistry and molecular biology*].
Chem Codes: Chemical of Concern: CPMR Code: IN VITRO,NO TOXICANT.
- Chang, C. K. and Whalon, M. E. (Hydrolysis of Permethrin by Pyrethroid Esterases From Resistant and Susceptible Strains of *Amblyseius-Fallacis* Acari Phytoseiidae. *PESTIC BIOCHEM PHYSIOL*; 25 (3). 1986. 446-452.
Chem Codes: Chemical of Concern: CPMR Code: IN VITRO,NO EFFECT.
- Chang, C. K. and Whalon, M. E. (1987). Substrate Specificities and Multiple Forms of Esterases in the Brown Planthopper, *Nilaparvata Lugens* (Stal). *Pesticide Biochemistry and Physiology [PESTIC. BIOCHEM. PHYSIOL.]*. Vol. 27, no. 1, pp. 30-35. 1987.
Chem Codes: Chemical of Concern: CPMR Code: IN VITRO,NO EFFECT.
- Chang, C. P. and Plapp, F. W. Jr. (1983). DDT and Synthetic Pyrethroids: Mode of Action, Selectivity, and Mechanism of Synergism in the Tobacco Budworm (Lepidoptera: Noctuidae) and a Predator, *Chrysopa carnea* Stephens (Neuroptera: Chrysopidae). *J.Econ.Entomol.* 76: 1206-1210.
Chem Codes: Chemical of Concern: CYP,CPMR,DDT Code: IN VITRO.
- Chapman, R. A. and Harris, C. R. (1981). Persistence of Four Pyrethroid Insecticides in a Mineral and an Organic Soil. *J.Environ.Sci.Health Part B* 16: 605-615.
Chem Codes: Chemical of Concern: FNV,CYP,FPP,PMR Code: FATE/NO EFFECT.
- Chapman, R. A., Tu, C. M., Harris, C. R., and Cole, C. (1981). Persistence of Five Pyrethroid Insecticides in Sterile and Natural, Mineral and Organic Soil. *Bull.Environ.Contam.Toxicol.* 26: 513-519.
Chem Codes: Chemical of Concern: PMR,FNV Code: FATE/NO SPECIES.
- Charalambous, Petros and Matsumura, Fumio (1992). Difference in the property of the nerve calmodulin-dependent protein kinase between kdr-type, pyrethroid-resistant and susceptible strains of *Musca domestica* and *Blattella germanica*. *Insect Biochemistry and Molecular Biology* 22: 721-734.

- Chem Codes: Chemical of Concern: CPMR Code: IN VITRO.
- Chelliah, S. and Bharathi, M. (1985). Rice Brown Planthopper, Nilaparvata lugens (Stal.): Status and Strategies in Management. *In: S.Jayaraj (Ed.), Integrated Pest and Disease Management, Natl.Semin., Sept.1984, Coimbatore, India, Tamil Nadu Agric.Univ., Coimbatore, India* 34-53.
Chem Codes: Chemical of Concern: FNV,PMR,CPY,PPHD,CBF,DZ,DM,MP Code: REFS CHECKED/REVIEW.
- Chen, A. C., He, H., Temeyer, K. B., Jones, S., Green, P., and Barker, S. C. (A Survey of Rhipicephalus Microplus Populations for Mutations Associated With Pyrethroid Resistance. *J Econ Entomol.* 2009, Feb; 102(1):373-80. [*Journal of economic entomology*].
Chem Codes: Chemical of Concern: CPMR Code: CHEM METHODS,NO TOXICANT.
- Chen, W. L. and Sun, C. N. (Purification and Characterization of Carboxylesterases of a Rice Brown Planthopper, Nilaparvata Lugens Stal. *INSECT BIOCHEMISTRY AND MOLECULAR BIOLOGY*; 24 (4). 1994. 347-355.
Chem Codes: Chemical of Concern: CPMR Code: IN VITRO,NO EFFECT.
- Chen Wen-Lin and Sun Chih-Ning* (1994). Purification and Characterization of Carboxylesterases of a Rice Brown Planthopper, Nilaparvata Lugens Staal. *Insect Biochemistry and Molecular Biology [INSECT BIOCHEM. MOL. BIOL.]*. Vol. 24, no. 4, pp. 347-355. 1994.
Chem Codes: Chemical of Concern: CPMR Code: IN VITRO.
- Chen, Y. R., Hwang, J. S., and Guo, Y. J. (1994). Ecology and Control of Dengue Vector Mosquitoes in Taiwan. *Kaohsiung J.Med.Sci.(Gaoxiong Yi Xue Ke Xue Za Zhi)* 10: S78-S87.
Chem Codes: Chemical of Concern: TMP,PMR,PIRM Code: REFS CHECKED/REVIEW.
- Choi, J., Rose, R. L., and Hodgson, E. *. (2002). In Vitro Human Metabolism of Permethrin: the Role of Human Alcohol and Aldehyde Dehydrogenases. *Pesticide Biochemistry and Physiology [Pestic. Biochem. Physiol.]*. Vol. 74, no. 3, pp. 117-128. Nov 2002.
Chem Codes: Chemical of Concern: CPMR Code: HUMAN HEALTH.
- Chua, K. B., Chua, I. L., Chua, I. E., and Chua, K. H. (2005). Effect of Chemical Fogging on Immature Aedes Mosquitoes in Natural Field Conditions. *Singapore Med.J.* 46: 639-644.
Chem Codes: Chemical of Concern: SBA,PMR,PPB Code: MIXTURE.
- Clark, Alan G. (1989). The comparative enzymology of the glutathione S-transferases from non-vertebrate organisms. *Comparative Biochemistry and Physiology Part B: Biochemistry and Molecular Biology* 92: 419-446.
Chem Codes: Chemical of Concern: CPMR Code: NO TOXICANT.
- Clark II, J. M. (1981). Pyrethroid Inhibition of Neural ATPases. *Ph.D.Thesis, Mich.State University, MI* 127 p.
Chem Codes: EcoReference No.: 103933
Chemical of Concern: DCM,SMT,PYN,EDTA,DDT,ATN,PMR,RSM,FNV,CYP Code: PUBL AS.
- Claxton, Larry D., Matthews, Peggy P., and Warren, Sarah H. (2004). The genotoxicity of ambient outdoor air, a review: Salmonella mutagenicity. *Mutation Research/Reviews in Mutation Research* 567: 347-399.
Chem Codes: Chemical of Concern: CPMR Code: BACTERIA,MIXTURE.
- Clellan-Green, Patricia, Romano, Jocelyn, and Oberdörster, Eva (2007). Does gender really matter in contaminant exposure? A case study using invertebrate models. *Environmental Research* 104: 183-191.
Chem Codes: Chemical of Concern: CPMR Code: REVIEW.
- Colt, J. S., Zahm, S. H., Camann, D. E., and Hartge, P. (Comparison of Pesticides and Other Compounds in Carpet Dust Samples Collected From Used Vacuum Cleaner Bags and From a High-Volume Surface Sampler.

- ENVIRONMENTAL HEALTH PERSPECTIVES*; 106 (11). 1998. 721-724.
Chem Codes: Chemical of Concern: CPMR Code: HUMAN HEALTH.
- Comm Residues Usa (General Referee Reports Committee on Residues 104th Aoac Annual International Meeting New Orleans Louisiana Usa September 9-13 1990. *J ASSOC OFF ANAL CHEM*; 74 (1). 1991. 149-155.
Chem Codes: Chemical of Concern: CPMR Code: CHEM METHODS,FOOD .
- Cook, J., Engel, M., Wylie, P., and Quimby, B. (Multiresidue Screening of Pesticides in Foods Using Retention Time Locking, Gc-Aed, Database Search, and Gc-Ms Identification. *JOURNAL OF AOAC INTERNATIONAL*; 82 (2). 1999. 313-326.
Chem Codes: Chemical of Concern: CPMR Code: CHEM METHODS,FOOD.
- Cooke, C. M., Shaw, G., Lester, J. N., and Collins, C. D. (2004). Determination of Solid-Liquid Partition Coefficients (K(D)) for Diazinon, Propetamphos and Cis-Permethrin: Implications for Sheep Dip Disposal. *Sci Total Environ* 329: :197-213.
Chem Codes: Chemical of Concern: CPMR,DZ,PTP Code: FATE.
- Cooper, J. F., Wynn, N. R., Deuse, J. P. L., Coste, C. M., Zheng, S. Q., and Schiffers, B. C. (1997). Impact of Insecticides on Wild Fauna: A Proposed Toxicity Index. *Meded.Fac.Landbouwk.Rijksuniv.Race* 62: 599-606.
Chem Codes: Chemical of Concern:
PRT,PHSL,PPhD,PIM,PIRM,PFF,PTP,PPX,PRB,RTN,SFT,SPS,TFT,TMP,TBO,TMT,TDC,TLM,TCF,H
PT,HFR,IMC,IZF,IFP,LCYT,HCCH,MLN,MTM,MDT,MOM,MTPN,MXC,Naled,OMT,OML,OXD,PRN,
MP,PCB,PMR,CYH,CYP,CHT,CYR,DD,DZM,DDT,DM,DEM,DZ,DDVP,DLD,DFZ,DMT,DS,ES,EFV,
ETN,FNT,FPP,FNTH,FNV,FPN,FCX,FYT,FVL,FNP,ABM,ACP,ADC,AND,ATN,AMZ,AZM,AZ,BDC,
BFT,BRSM,BPZ,CBL,CBF,CHD,CLP,CPY,CPYM,CMPH,CST,CYF,CYR,SMT Code: REFS
CHECKED/REVIEW.
- Cope, S. E., Strickman, D. A., White, G. B., and Dunem, K. N. (Deployed Warfighter Protection Research Program: Finding New Methods to Vanquish Old Foes (the United States Army Medical Department Journal, April-June 2008). *Govt Reports Announcements & Index (GRA&I), Issue 15, 2009.*
Chem Codes : Chemical of Concern: CPMR Code: REVIEW.
- Coupe, R. H., Manning, M. A., Foreman, W. T., Goolsby, D. A., and Majewski, M. S. (2000-). Occurrence of pesticides in rain and air in urban and agricultural areas of Mississippi, April-September 1995. *The Science of The Total Environment* 248: 227-240.
Chem Codes: Chemical of Concern: CPMR Code: FATE.
- Couture, C., Fortin, M. C., Carrier, G., Dumas, P., Tremblay, C., and Bouchard, M. (Assessment of Exposure to Pyrethroids and Pyrethrins in a Rural Population of the MontÉRÉGie Area, Quebec, Canada. *J Occup Environ Hyg.* 2009, Jun; 6(6):341-52. [*Journal of occupational and environmental hygiene*].
Chem Codes: Chemical of Concern: CPMR Code: HUMAN HEALTH.
- Cranor, Walter L., Alvarez, David A., Huckins, James N., and Petty, Jimmie D. (2009). Uptake rate constants and partition coefficients for vapor phase organic chemicals using semipermeable membrane devices (SPMDs). *Atmospheric Environment* 43: 3211-3219.
Chem Codes: Chemical of Concern: CPMR Code: CHEM METHODS.
- Crosby, John (1991). Synthesis of optically active compounds: A large scale perspective. *Tetrahedron* 47: 4789-4846.
Chem Codes: Chemical of Concern: CPMR Code: CHEM METHODS.
- Cui, Yong, Guo, Jiangfeng, Xu, Bujin, and Chen, Ziyuan (2006-). Potential of chlorpyrifos and cypermethrin forming DNA adducts. *Mutation Research/Genetic Toxicology and Environmental Mutagenesis* 604: 36-

41.
Chem Codes: Chemical of Concern: CPMR Code: IN VITRO.
- DabirÉ, Kr, DiabatÉ, A, Agostinho, F., Alves, F., Manga, L., Faye, O., and Baldet, T. (Distribution of the Members of Anopheles Gambiae and Pyrethroid Knock-Down Resistance Gene (Kdr) in Guinea-Bissau, West Africa. *Bull Soc Pathol Exot.* 2008, Apr; 101(2):119-23. [*Bulletin de la Societe de pathologie exotique (1990)*].
Chem Codes: Chemical of Concern: CPMR Code: MIXTURE.
- Daniels, W. M., House, W. A., Rae, J. E., and Parker, A. (2000-). The distribution of micro-organic contaminants in river bed-sediment cores. *The Science of The Total Environment* 253: 81-92.
Chem Codes: Chemical of Concern: CPMR Code: FATE.
- Danish Pest Infestation Laboratory (1998). Annual Report of Danish Pest Infestation Laboratory, 1997. *In: N.Bille, and M.Christensen (Eds.), Annu.Rep.1997, Danish Pest Infest.Lab., Lyngby, Denmark* 112 p.
Chem Codes: EcoReference No.: 89164
 Chemical of Concern:
 DFM,BDL,CYF,CPY,FNT,DVP,DZ,HCCH,DMT,PMR,MOM,AZM,BRSM,PYN,PPB,DFZ,CYR,DDT
Code: REVIEW.
- Danish Pest Infestation Laboratory (2000). Annual Report of Danish Pest Infestation Laboratory, 1999. *In: N.Bille, and M.Christensen (Eds.), Annu.Rep.1999, Danish Pest Infest.Lab., Lyngby, Denmark* 72 p.
Chem Codes: EcoReference No.: 89163
 Chemical of Concern:
 BDL,CYR,DFZ,DDT,FNT,PYN,PMR,DMT,TBF,DZ,HCCH,BRSM,MOM,AZM,FPN Code: REVIEW.
- Danish Pest Infestation Laboratory (2001). Annual Report of Danish Pest Infestation Laboratory, 2000. *In: N.Bille, and M.Christensen (Eds.), Annu.Rep.2000, Danish Pest Infest.Lab., Lyngby, Denmark* 59 p.
Chem Codes: EcoReference No.: 89162
 Chemical of Concern:
 BDL,CPY,CYR,DFZ,DDT,FNT,TVP,PMR,DZ,HCCH,MOM,DMT,PYN,FPN,TMX,AZM,SS Code: REVIEW.
- Danish Pest Infestation Laboratory (2003). Annual Report of Danish Pest Infestation Laboratory, 2002. *In: N.Bille, and M.Christensen (Eds.), Annu.Rep.2002, Danish Pest Infest.Lab., Lyngby, Denmark* 60 p.
Chem Codes: EcoReference No.: 89160
 Chemical of Concern: THM,DFM,CYR,DFZ,DDT,FNT,HCCH,TVP,DMT,PMR,MOM,AZM Code: REVIEW.
- Das, P. K., Mariappan, T., and Reddy, C. B. S. (1982). Susceptibility of *Culex quinquefasciatus*, *Aedes aegypti*, *Anopheles culicifacies* and *Anopheles stephensi* Against Insecticides. *Indian J.Med.Res.* 75: 529-533.
Chem Codes: Chemical of Concern: BDC,PMR,PIRM Code: NO DURATION.
- David, J. A., Crowley, P. J., Hall, S. G., Battersby, M., and Sattelle, D. B. (1984). Actions of synthetic piperidine derivatives on an insect acetylcholine receptor/ion channel complex. *Journal of Insect Physiology* 30: 191-196.
Chem Codes: Chemical of Concern: CPMR Code: IN VITRO.
- Davis, R. S., Peterson, R. K. D., and Macedo, P. A. (2007). An Ecological Risk Assessment for Insecticides Used in Adult Mosquito Management. *Integr. Environ.Assess.Manag.* 3: 373-382.
Chem Codes: Chemical of Concern: DPTR,MLN,Naled,PPB,PMR,RSM Code: REFS CHECKED/REVIEW.
- Day, K. E. (1991). Pesticide Transformation Products in Surface Waters. Effects on Aquatic Biota. *In: I.Somasundaram and J.R.coats (Eds.), 200th Natl.Meet., Pesticide Transformation Products.Fate and*

- Significance in the Environment, Aug.26-31, 1990, ACS (Am.Chem.Soc.), Washington, DC 217-241.*
Chem Codes: Chemical of Concern: CBL,ADC,MLN,FNT,AND,DDT,ES,ES1,ES2,ES3,PMR,ATZ,PPN,TPR,TBTO Code: REVIEW.
- De Jersey, John, Nolan, James, Davey, Patricia A., and Riddles, Peter W. (1985). Separation and characterization of the pyrethroid-hydrolyzing esterases of the cattle tick, *Boophilus microplus*. *Pesticide Biochemistry and Physiology* 23: 349-357.
Chem Codes: Chemical of Concern: CPMR Code: IN VITRO.
- De Vaney, J. A. (1986). Ectoparasites. *Poult.Sci.* 65: 649-656.
Chem Codes: Chemical of Concern: CPY,DDVP,TVP,CBL,MLN,PMR,CMPH Code: REFS CHECKED/REVIEW.
- De Weille, J. R., Vijverberg, H. P. M., and Narahashi, T. (1988). Interactions of Pyrethroids and Octylguanidine With Sodium Channels of Squid Giant Axons. *Brain Research [BRAIN RES.]*. Vol. 445, no. 1, pp. 1-11. 1988.
Chem Codes: Chemical of Concern: CPMR Code: IN VITRO.
- Denholm, I. and Rowland, M. W. (1992). Tactics for Managing Pesticide Resistance in Arthropods: Theory and Practice. *Annu.Rev.Entomol.* 37: 91-112.
Chem Codes: EcoReference No.: 90477
 Chemical of Concern: PMR,DZ Code: REVIEW.
- Desmarchelier, J. M. (1976). Analysis of pyrethroids on grains. *Journal of Stored Products Research* 12: 245-252.
Chem Codes: Chemical of Concern: CPMR Code: CHEM METHODS,FOOD.
- Devonshire, A. L., Heidari, R., Huang, H. Z., Hammock, B. D., Russell, R. J., and Oakeshott, J. G. (2007). Hydrolysis of individual isomers of fluorogenic pyrethroid analogs by mutant carboxylesterases from *Lucilia cuprina*. *Insect Biochemistry and Molecular Biology* 37: 891-902.
Chem Codes: Chemical of Concern: CPMR,CYP,FNV Code: IN VITRO,NO EFFECT.
- Devonshire, Alan L. and Moores, Graham D. (1982). A carboxylesterase with broad substrate specificity causes organophosphorus, carbamate and pyrethroid resistance in peach-potato aphids (*Myzus persicae*). *Pesticide Biochemistry and Physiology* 18: 235-246.
Chem Codes: Chemical of Concern: CPMR Code: IN VITRO.
- Dhingra, K. K., Saroha, V., Gupta, P., and Khurana, N. (Demodex-Associated Dermatologic Conditions--a Coincidence or an Etiological Correlate. Review With a Report of a Rare Case of Sebaceous Adenoma. *Pathol Res Pract.* 2009; 205(6):423-6. [Pathology, research and practice].
Chem Codes: Chemical of Concern: CPMR Code: HUMAN HEALTH,INCIDENT.
- Diamanti-Kandarakis, E., Bourguignon, J. P., Guidice, L. C., Hauser, R., Prins, G. S., Soto, A. M., Zoeller, R. T., and Gore, A. C. (2009). Endocrine-Disrupting Chemicals: An Endocrine Society Scientific Statement. *Endocrine Rev.* 30: 293-342.
Chem Codes: EcoReference No.: 113083
 Chemical of Concern: AS,TBT,NYP,HCCH,EED,FNF,BTY,PRT,PMR,CMPH,ATZ,DZ,DMBA,TCDD,Cd,As,DES,MXC,DXN,PCB,DDT,VCZ,CPY Code: REVIEW.
- Diamantis, S. A., Morrell, D. S., and Burkhart, C. N. (Pediatric Infestations. *Pediatr Ann.* 2009, Jun; 38(6):326-32. [Pediatric annals].
Chem Codes: Chemical of Concern: CPMR Code: HUMAN HEALTH.
- Diamantis, S. A., Morrell, D. S., and Burkhart, C. N. (Treatment of Head Lice. *Dermatol Ther.* 2009 Jul-Aug; 22(4):273-8. [Dermatologic therapy].

- Chem Codes: Chemical of Concern: CPMR Code: HUMAN HEALTH .
- Dix, Kelly J. (2001). Absorption, Distribution, and Pharmacokinetics. 563-582.
Chem Codes: Chemical of Concern: CPMR Code: REVIEW.
- Doherty, John D., Lauter, Carl J., and Salem, Norman (1986). Synaptic effects of the synthetic pyrethroid resmethrin in rat brain in vitro. *Comparative Biochemistry and Physiology Part C: Comparative Pharmacology* 84: 373-379.
Chem Codes: Chemical of Concern: CPMR Code: IN VITRO.
- Doherty, John D., Nishimura, Keiichiro, Kurihara, Norio, and Fujita, Toshio (1987). Promotion of norepinephrine release and inhibition of calcium uptake by pyrethroids in rat brain synaptosomes. *Pesticide Biochemistry and Physiology* 29: 187-196.
Chem Codes: Chemical of Concern: CPMR Code: IN VITRO.
- Doherty, John D., Nishimura, Keiichiro, Kurihara, Norio, and Fujita, Toshio (1986). Quantitative structure-activity studies of substituted benzyl chrysanthemates : 9. Calcium uptake inhibition in crayfish nerve cord and lobster axon homogenates in vitro by synthetic pyrethroids. *Pesticide Biochemistry and Physiology* 25: 295-305.
Chem Codes: Chemical of Concern: CPMR Code: IN VITRO.
- Dowd, P. F. and Sparks, T. C. (1986). Characterization of a trans-Permethrin Hydrolyzing Enzyme from the Midgut of *Pseudoplusia includens* (Walker). *Pestic.Biochem.Physiol.* 25: 73-81.
Chem Codes: Chemical of Concern: TPMR,CBL,EDTA,PPB Code: IN VITRO.
- Dowd, P. F. and Sparks, T. C. (1989). A Comparison of Properties of trans-Permethrin Hydrolase and Leucine Aminopeptidase from the Midgut of *Pseudoplusia includens* (Walker). *Pestic.Biochem.Physiol.* 31: 195-202.
Chem Codes: Chemical of Concern: TPMR Code: IN VITRO.
- Dowd, P. F. and Sparks, T. C. (Comparisons of Midgut Fat Body and Cuticular Enzymes From *Pseudoplusia-Includeus* Walker and *Heliothis-Virescens* F. Responsible for the Hydrolysis of Permethrin and Fenvalerate. *PESTIC BIOCHEM PHYSIOL*; 27 (3). 1987. 309-317.
Chem Codes: Chemical of Concern: CPMR Code: IN VITRO,NO EFFECT.
- Dowd, P. F. and Sparks, T. C. (1987). Comparisons of Midgut, Fat Body, and Cuticular Enzymes from *Pseudoplusia includeus* (Walker) and *Heliothis virescens* (F.) Responsible for the Hydrolysis of Permethrin and Fenvalerate. *Pestic.Biochem.Physiol.* 27: 309-317.
Chem Codes: Chemical of Concern: EFV,TPMR,CPMR Code: IN VITRO.
- Dowd, Patrick F., Michael Smith, C., and Sparks, Thomas C. (1983). Detoxification of plant toxins by insects. *Insect Biochemistry* 13: 453-468.
Chem Codes: Chemical of Concern: CPMR Code: NO EFFECT.
- Dowd, Patrick F. and Sparks, Thomas C. (1988). A comparison of properties of trans-permethrin hydrolase and leucine aminopeptidase from the midgut of *Pseudoplusia includens* (Walker). *Pesticide Biochemistry and Physiology* 31: 195-202.
Chem Codes: Chemical of Concern: CPMR Code: IN VITRO,NO EFFECT.
- Doyle, R. C., Kaufman, D. D., Burt, G. W., and Douglass, L. (Degradation of Cis-Permethrin in Soil Amended With Sewage Sludge or Dairy Manure. *J. Agric. Food Chem.* 29(2): 412-414 1981 (9 References).
Chem Codes: Chemical of Concern: CPMR Code: FATE.
- Dymond, N. L. and Swift, I. M. (Permethrin Toxicity in Cats: a Retrospective Study of 20 Cases. *Aust Vet J.* 2008, Jun; 86(6):219-23. [Australian veterinary journal].

- Chem Codes: Chemical of Concern: CPMR Code: INCIDENT,SURVEY.
- Ebert, Timothy A. and Downer, Roger A. (2006). A different look at experiments on pesticide distribution. *Crop Protection* 25: 299-309.
Chem Codes: Chemical of Concern: CPMR Code: METHODS.
- Echols, K. R., Brumbaugh, W. G., Orazio, C. E., May, T. W., Poulton, B. C., and Peterman, P. H. (Distribution of Pesticides, Pahs, Pcb, and Bioavailable Metals in Depositional Sediments of the Lower Missouri River, Usa. *Arch Environ Contam Toxicol.* 2008, Aug; 55(2):161-72. [*Archives of environmental contamination and toxicology*].
Chem Codes: Chemical of Concern: CPMR Code: FATE.
- Eells, J. T., Rasmussen, J. L., Bandettini, P. A., and Propp, J. M. (1993). Differences in the Neuroexcitatory Actions of Pyrethroid Insecticides and Sodium Channel-Specific Neurotoxins in Rat and Trout Brain Synaptosomes. *Toxicology and Applied Pharmacology* 123: 107-119.
Chem Codes: Chemical of Concern: CPMR Code: IN VITRO.
- Elissa, N., Mouchet, J., Riviere, F., Meunier, J. Y., and Yao, K. (1993). Resistance of Anopheles gambiae S.S. to Pyrethroids in Cote D'Ivoire. *Ann.Soc.Belge Med.Trop.* 73: 291-294 (FRE) (ENG ABS).
Chem Codes: Chemical of Concern: PMR,DM,LCYT Code: NON-ENGLISH.
- 2009). References to Volume 1. 309-433.
Chem Codes: Chemical of Concern: CPMR Code: REVIEW.
- Elliott, M. (1976). Properties and Applications of Pyrethroids. *Environ.Health Perspect.* 14: 3-13.
Chem Codes: EcoReference No.: 111783
Chemical of Concern:
FNT,PIRE,MDT,FNT,TVP,AZ,PHSL,PSM,PRN,DDVP,DZ,AND,MLN,CBL,CHD,DDT,TXP,PTPMR,PMR,BRSM Code: REVIEW.
- Elliott, M. and Janes, N. F. (1978). Synthetic Pyrethroids - a New Class of Insecticide. *Chem.Soc.Rev.* 7: 473-505.
Chem Codes: Chemical of Concern: PMR Code: REVIEW.
- Enan, Essam and Matsumura, Fumio (1992-). Specific inhibition of calcineurin by type II synthetic pyrethroid insecticides. *Biochemical Pharmacology* 43: 1777-1784.
Chem Codes: Chemical of Concern: CPMR Code: IN VITRO.
- Ensley, Steve (2007). Pyrethrins and pyrethroids. 494-498.
Chem Codes: Chemical of Concern: CPMR Code: REVIEW.
- Eshleman, A. J. and Murray, T. F. (1990). Dependence on [gamma]-aminobutyric acid of pyrethroid and 4'-chlorodiazepam modulation of the binding of t-[35S] butylbicyclophosphorothionate in piscine brain. *Neuropharmacology* 29: 641-648.
Chem Codes: Chemical of Concern: CPMR Code: IN VITRO.
- Eshleman, A. J. and Murray, T. F. (Pyrethroid Insecticides and Veratridine Increase Basal Chloride Uptake Into Rainbow Trout Synaptoneuroosomes. *19TH ANNUAL MEETING OF THE SOCIETY FOR NEUROSCIENCE, PHOENIX, ARIZONA, USA, OCTOBER 29-NOVEMBER 3, 1989. SOC NEUROSCI ABSTR;* 15 (2). 1989. 1153.
Chem Codes: Chemical of Concern: CPMR Code: IN VITRO.
- Eshleman, Amy J. and Murray, T. F. (1991). Pyrethroid insecticides indirectly inhibit GABA-dependent ³⁶Cl⁻ influx in synaptoneuroosomes from the trout brain. *Neuropharmacology* 30: 1333-1341.
Chem Codes: Chemical of Concern: CPMR Code: IN VITRO.

- European Commission DG Environment (2002). Endocrine Disrupters: Study on Gathering Information on 435 Substances with Insufficient Data. *Final Report, B4-3040/2001/325850/MAR/C2, RPS BKH Consulting Engineers, Delft, The Netherlands* 279 p.
Chem Codes: EcoReference No.: 110504
 Chemical of Concern:
 CBL,DDT,DM,RSM,FRM,MZB,MEM,MBZ,PCP,FNT,LCYT,BFT,24DB,PCL,PCB,BAP,DMBA,MXC,P
 AH,PL,PHTH,EDB,ADC,CBF,FYC,MOM,TFN,OXN,FRN,BMN,MVP,PPHD,Pb,TCF,EFV,FVL,PMR,S
 MT,CZE,TDM,PPB,PMT,BMY,FZFB,PDM,Nabam,DFZ,CPY,DDVP,GFS,OXD,TVP,BTN,CPZ,DFC,EC
 Z,PCZ,TEZ,CTZ,EFX,FPN,FTF,MLT,MYC,TPZ,Al,Cd,Cu,ABM,OYZ,AMZ,QZFE,ETU,NATL,FGSNH,
 DMT,PYN,BMC,FNB,FML,IODN,Pb,Hg,GYP,ILL,AZD Code: REVIEW.
- Fahrig, R., Glatt, H. R., Miltenburger, H. G., Pool-Zobel, B. L., and Speit, G. (1993). Selected abstracts of the 22nd annual meeting of the European environmental mutagen society, 31 August-4 September 1992, Berlin (Germany). *Mutation Research/Environmental Mutagenesis and Related Subjects* 291: 223-297.
Chem Codes: Chemical of Concern: CPMR Code: ABSTRACT.
- Faith, Robert E. and Hessler, Jack R. (2006). Housing and Environment. 303-337.
Chem Codes: Chemical of Concern: CPMR Code: METHODS.
- Fakata, Keri L., Swanson, Stanley A., Vorce, Roseann L., and Stemmer, Paul M. (1998-). Pyrethroid Insecticides as Phosphatase Inhibitors. *Biochemical Pharmacology* 55: 2017-2022.
Chem Codes: Chemical of Concern: CPMR Code: IN VITRO,HUMAN HEALTH .
- Fang, M. N. (1992). Population Fluctuation and Control of *Liriomyza bryoniae* (Kaltenbach) on Pea. *Bull.Taichung Dist.Agric.Improv.Stn.* 36: 17-28 (CHI) (ENG ABS).
Chem Codes: Chemical of Concern: CYR,BFT,CYH,PMR,PSM,DM,TDL,CBL,FNV,DZ Code: NON-ENGLISH.
- Faraj, C., Adlaoui, E., Brengues, C., Fontenille, D., and Lyagoubi, M. ([Resistance of *Anopheles Labranchiae* to Ddt in Morocco: Identification of the Mechanisms and Choice of Replacement Insecticide]. *East Mediterr Health J.* 2008 Jul-Aug; 14(4):776-83. [Eastern Mediterranean health journal = La revue de sante de la Mediterranee orientale = al-Majallah al-sihhiyah li-sharq al-mutawassit].
Chem Codes: Chemical of Concern: CPMR,DDT Code: NON-ENGLISH.
- Farnham, A. W. and Khambay, B. P. S. (1995). The Pyrethrins and Related Compounds: Part XXXIX. Structure-Activity Relationships of Pyrethroidal Esters with Cyclic Side Chains in the Alcohol Component Against Resistant Strains of Housefly (*Musca domestica*). *Pestic.Sci.* 44: 269-275 .
Chem Codes: Chemical of Concern: BFT,FYT,FNV,LCYT,DM,CYP,RSM,PYN,PYT,BRSM,PMR Code: NO DURATION.
- Farnham, Andrew W. (1999). The Mode of Action of Piperonyl Butoxide with Reference to Studying Pesticide Resistance. 199-213.
Chem Codes: Chemical of Concern: CPMR,PPB Code: REVIEW.
- Ferguson, C. A. and Audesirk, G. (1990). Effects of DDT and permethrin on neurite growth in cultured neurons of chick embryo brain and *Lymnaea stagnalis*. *Toxicology in Vitro* 4: 23-30.
Chem Codes: Chemical of Concern: CPMR,DDT,PMR Code: IN VITRO.
- Feyereisen, R. (2005). Insect Cytochrome P450. 1-77.
Chem Codes: Chemical of Concern: CPMR Code: REVIEW.
- Fielding, M. and Haley, J. (1989). Aqueous chlorination of permethrin. *Water Research* 23: 523-524.
Chem Codes: Chemical of Concern: CPMR Code: CHEM METHODS.
- Fleeger, J. W., Carman, K. R., and Nisbet, R. M. (2003). Indirect Effects of Contaminants in Aquatic Ecosystems.

- Sci.Total Environ.* 317: 207-233.
Chem Codes: EcoReference No.: 87526
 Chemical of Concern:
 ES,CBL,CPY,CYP,EFV,FNV,PMR,HCCH,TMP,DM,ATZ,LNR,GFS,BNZ,Cu,PAH,LPS,PCP,CBD,Cd,T
 BT Code: REVIEW.
- Flood, B. R. (1986). Corn Earworm and European Corn Borer Control in Sweet Corn, 1985. *Insectic.Acaric.Tests* 11: 128-129 (171).
Chem Codes: Chemical of Concern: TDC,EFV,PDM,MOM,PMR,CYP,CYF,BFT,CBL,LCYT Code: NO CONC.
- Ford, Martyn G., Hoare, Neil E., Hudson, Brian D., Nevell, Thomas G., and Banting, Lee (2002). QSAR studies of the pyrethroid insecticides: Part 3. A putative pharmacophore derived using methodology based on molecular dynamics and hierarchical cluster analysis. *Journal of Molecular Graphics and Modelling* 21: 29-36.
Chem Codes: Chemical of Concern: CPMR Code: CHEM METHODS.
- Foreman, W. T., Majewski, M. S., Goolsby, D. A., Wiebe, F. W., and Coupe, R. H. (2000-). Pesticides in the atmosphere of the Mississippi River Valley, part II -- air. *The Science of The Total Environment* 248: 213-226.
Chem Codes: Chemical of Concern: CPMR Code: FATE.
- Fortin, M. C., Bouchard, M., Carrier, G., and Dumas, P. (Biological Monitoring of Exposure to Pyrethrins and Pyrethroids in a Metropolitan Population of the Province of Quebec, Canada. *Environ Res.* 2008, Jul; 107(3):343-50. [Environmental research].
Chem Codes: Chemical of Concern: CPMR Code: HUMAN HEALTH.
- Fortin, M. C., Carrier, G., and Bouchard, M. (Concentrations Versus Amounts of Biomarkers in Urine: a Comparison of Approaches to Assess Pyrethroid Exposure. *Environ Health.* 2008; 7:55. [Environmental health : a global access science source].
Chem Codes: Chemical of Concern: CPMR Code: HUMAN HEALTH.
- Foster, G. D., Foreman, W. T., and Gates, P. M. (Performance of the Goulden Large-Sample Extractor in Multiclass Pesticide Isolation and Preconcentration From Stream Water.
Chem Codes: Chemical of Concern: CPMR Code: CHEM METHODS.
- Foster, G. D., Gates, P. M., Foreman, W. T., Mckenzie, S. W., and Rinella, F. A. (Determination of Dissolved-Phase Pesticides in Surface Water From the Yakima River Basin, Washington, Using the Goulden Large-Sample Extractor and Gas Chromatography/Mass Spectrometry. *ENVIRON SCI TECHNOL*; 27 (9). 1993. 1911-1917.
Chem Codes: Chemical of Concern: CPMR Code: CHEM METHODS.
- Fox, James G., Davisson, Muriel T., Quimby, Fred W., Barthold, Stephen W., Newcomer, Christian E., and Smith, Abigail L. (2007). Cumulative Index. 321-374.
Chem Codes: Chemical of Concern: CPMR Code: REVIEW.
- Frank, R., Braun, H. E., and Ripley, B. D. (1989). Monitoring Ontario-Grown Apples for Pest Control Chemicals Used in Their Production, 1978-86. *Food Addit.Contam.* 6 : 227-234.
Chem Codes: Chemical of Concern:
 DPA,ETN,MEM,MXC,PRN,PHSL,AZ,Captan,CAP,CBL,DMZ,DM,DZ,DCF,DMT,ES,FNV,MLN,MZB,
 MDT,PMR,PSM,PIM Code: SURVEY.
- Frank, R., Braun, H. E., Suda, P., Ripley, B. D., Clegg, B. S., Beyaert, R. P., and Zilkey, B. F. (1987). Pesticide Residues and Metal Contents in Flue-Cured Tobacco and Tobacco Soils of Southern Ontario, Canada 1980-85. *Tob.Sci.* 31: 40-45.

Chem Codes: Chemical of Concern: TCF,PIM,OXD,MOM,MLN,ES,DZ,PMR,DM,CYP,CPY,ACP,MLX
Code: NO DURATION/SURVEY.

- Franklin, C. A. (Modelling and Model Validation for Assessment of Exposure to Pesticides. *FREHSE, H. (ED.). PESTICIDE CHEMISTRY: ADVANCES IN INTERNATIONAL RESEARCH, DEVELOPMENT, AND LEGISLATION; SEVENTH INTERNATIONAL CONGRESS OF PESTICIDE CHEMISTRY, HAMBURG, GERMANY, AUGUST 5-10, 1990. XIV+666P. VCH VERLAGSGESELLSCHAFT MBH: WEINHEIM, GERMANY; VCH PUBLISHERS INC.: NEW YORK, NEW YORK, USA. ILLUS. ISBN 3-527-28111-8; ISBN 0-89573-975-5.; 0 (0). 1991. 411-422.*
Chem Codes: Chemical of Concern: CPMR Code: HUMAN HEALTH.
- Fujita, Makoto, Hiyama, Tamejiro, and Kondo, Kiyosi (1986). Practical and stereocontrolled syntheses of both (1R*,3S*)- and (1R*,3R*)-3-(2-chloro-3,3,3-trifluoro-1-propenyl)-2,2-dimethylcyclopropanecarboxylates. *Tetrahedron Letters* 27: 2139-2142.
Chem Codes: Chemical of Concern: CPMR Code: CHEM METHODS.
- Galeano Díaz, T., Rodríguez Cáceres, M. I., and Roldán Murillo, B. (2007). Chemometrics for the resolution of co-eluting peaks of [beta]- and [gamma]-tocopherols in RP-HPLC: Determination in edible oils and dietary supplements. *Food Chemistry* 105: 1583-1590.
Chem Codes: Chemical of Concern: CPMR Code: CHEM METHODS.
- Galiulin, R. V., Il'ina, A. A., and Galiulina, R. R. (Mapping the Behaviour of Pesticides in the Environment. *AGROKIMIYA; 0 (5). 1996. 108-123.*
Chem Codes: Chemical of Concern: CPMR Code: NON-ENGLISH,REVIEW.
- Gammon, D. and Casida, J. E. (1983). Pyrethroids of the Most Potent Class Antagonize GABA Action at the Crayfish Neuromuscular Junction. *Neurosci.Lett.* 40: 163-168.
Chem Codes: Chemical of Concern: DM,PMR,CYP,EFP,ATN Code: IN VITRO.
- Gammon, D. and Casida, J. E. (1983). Pyrethroids of the Most Potent Class Antagonize Gaba Action at the Crayfish Neuromuscular Junction. *Neurosci.Lett.* 40: 163-168.
Chem Codes: Chemical of Concern: DTCYP,FNV,CPMR,DM Code: IN VITRO.
- Gammon, Derek W. (1980). Pyrethroid resistance in a strain of *Spodoptera littoralis* is correlated with decreased sensitivity of the CNS in vitro. *Pesticide Biochemistry and Physiology* 13: 53-62.
Chem Codes: Chemical of Concern: CPMR Code: IN VITRO.
- Gammon, Derek W., Brown, Mark A., and Casida, John E. (1981). Two classes of pyrethroid action in the cockroach. *Pesticide Biochemistry and Physiology* 15: 181-191.
Chem Codes: Chemical of Concern: CPMR Code: REVIEW.
- GarcÍ, A-RodrÍ, Guez, D., Carro, A. M., Lorenzo, R. A., FernÁ, Ndez, F., and Cela, R. (Determination of Trace Levels of Aquaculture Chemotherapeutants in Seawater Samples by Spme-Gc-Ms/Ms. *J Sep Sci.* 2008, Aug; 31(15):2882-90. [*Journal of separation science*].
Chem Codes: Chemical of Concern: CPMR Code: CHEM METHODS.
- García, E., García, A., and Barbas, C. (2001). Validated HPLC method for quantifying permethrin in pharmaceutical formulations. *Journal of Pharmaceutical and Biomedical Analysis* 24: 999-1004.
Chem Codes: Chemical of Concern: CPMR Code: CHEM METHODS.
- García-Ortega, Susana, Holliman, Peter J., and Jones, Davey L. (2006-). Toxicology and fate of Pestanal® and commercial propetamphos formulations in river and estuarine sediment. *Science of The Total Environment* 366: 826-836.
Chem Codes: Chemical of Concern: CPMR Code: BACTERIA.

- Geno, P. W., Camann, D. E., Harding, H. J., Villalobos, K., and Lewis, R. G. (Handwipe Sampling and Analysis Procedure for the Measurement of Dermal Contact With Pesticides. *ARCHIVES OF ENVIRONMENTAL CONTAMINATION AND TOXICOLOGY*; 30 (1). 1996. 132-138.
Chem Codes: Chemical of Concern: CPMR Code: HUMAN HEALTH.
- Gershater, M., Sharples, K., and Edwards, R. (2006). Carboxylesterase Activities Toward Pesticide Esters in Crops and Weeds. *Phytochemistry* 67: 2561-2567.
Chem Codes: Chemical of Concern: CQCM,BMNO,CLFP,FNPE,PMR Code: IN VITRO.
- Ghiasuddin, Syed M., Kawauchi, Saju, Matsumura, Fumio, and Doherty, John D. (1982-). Role of phospholipids in the inhibitory action of DDT and permethrin on the nerve ATPases of lobster, homarus americanus. *Biochemical Pharmacology* 31: 1483-1489.
Chem Codes: Chemical of Concern: CPMR,DDT Code: IN VITRO.
- Ghiasuddin, Syed M. and Soderlund, David M. (1984). Hydrolysis of pyrethroid insecticides by soluble mouse brain esterases. *Toxicology and Applied Pharmacology* 74: 390-396.
Chem Codes: Chemical of Concern: CPMR Code: IN VITRO,NO EFFECT.
- Ghiasuddin, Syed M. and Soderlund, David M. (1985). Pyrethroid insecticides: Potent, stereospecific enhancers of mouse brain sodium channel activation. *Pesticide Biochemistry and Physiology* 24: 200-206.
Chem Codes: Chemical of Concern: CPMR Code: IN VITRO.
- Gillij, Y. G., Gleiser, R. M., and Zygadlo, J. A. (2008). Mosquito repellent activity of essential oils of aromatic plants growing in Argentina. *Bioresource Technology* 99: 2507-2515.
Chem Codes: Chemical of Concern: CPMR Code: BIOLOGICAL TOXICANT,MIXTURE.
- Glickman, A. H. and Lech, J. J. (1981). Hydrolysis of Permethrin, a Pyrethroid Insecticide, by Rainbow Trout and Mouse Tissues In Vitro: A Comparative Study. *Toxicol.Appl.Pharmacol.* 60: 186-192.
Chem Codes: Chemical of Concern: PMR Code: IN VITRO.
- Glickman, A. H., Shono, T., Casida, J. E., and Lech, J. J. (1979). Studies on the Metabolism of Permethrin by Fish. *Tox.Appl.Pharm.* 48: A193 (ABS).
Chem Codes: Chemical of Concern: PMR Code: ABSTRACT/IN VITRO.
- Glickman, Andrew H. and Lech, John J. (1981-). Hydrolysis of permethrin, a pyrethroid insecticide, by rainbow trout and mouse tissues in vitro: A comparative study. *Toxicology and Applied Pharmacology* 60: 186-192.
Chem Codes: Chemical of Concern: CPMR Code: IN VITRO.
- Gordon, Dalia, Karbat, Izhar, Ilan, Nitza, Cohen, Lior, Kahn, Roy, Gilles, Nicolas, Dong, Ke, Stnhmer, Walter, Tytgat, Jan, and Gurevitz, Michael (2007-). The differential preference of scorpion [alpha]-toxins for insect or mammalian sodium channels: Implications for improved insect control. *Toxicon* 49: 452-472.
Chem Codes: Chemical of Concern: CPMR Code: CHEM METHODS.
- Gotoh, Y., Kawakami, M., Matsumoto, N., and Okada, Y. (1998). Permethrin Emulsion Ingestion: Clinical Manifestations and Clearance of Isomers. *J Toxicol Clin Toxicol* 36: :57-61.
Chem Codes: Chemical of Concern: CPMR Code: HUMAN HEALTH.
- Grubs, Robin E., Adams, Pamela M., and Soderlund, David M. (1988). Binding of [3H]saxitoxin to head membrane preparations from susceptible and knockdown-resistant house flies. *Pesticide Biochemistry and Physiology* 32: 217-223.
Chem Codes: Chemical of Concern: CPMR Code: IN VITRO.
- Gunderson, E. L. (Dietary Intake of Pesticides, Selected Elements, and Other Chemicals: Fda Total Diet Study, June 1984-April 1986. *JOURNAL OF AOAC INTERNATIONAL*; 78 (4). 1995. 910-921.
Chem Codes: Chemical of Concern: CPMR Code: FOOD,HUMAN HEALTH.

- Gunderson, E. L. (Fda Total Diet Study, July 1986-April 1991, Dietary Intakes of Pesticides, Selected Elements, and Other Chemicals. *JOURNAL OF AOAC INTERNATIONAL*; 78 (6). 1995. 1353-1363.
Chem Codes: Chemical of Concern: CPMR Code: FOOD,HUMAN HEALTH.
- Gyoutoku, Y. and Kasio, T. (1990). Toxicity of Pesticides on the Oligota spp. (Coleoptera: Staphylinidae). *Proc.Assoc.Pl.Prot.Kyushu* 36: 155-159 (JPN) (ENG ABS).
Chem Codes: Chemical of Concern: CTN,MZB,TPM,BMY,FBOX,CHX,DCF,BFZ,IICA,ACP,DDVP,DMT,FPP,PMR,EFX,BFT,CYP,FNV,A MZ,CPY Code: NON-ENGLISH.
- 1988). 1. Anti-insect agents. 21-239.
Chem Codes: Chemical of Concern: CPMR Code: REVIEW.
- 1988). Subject Index. 787-808.
Chem Codes: Chemical of Concern: CPMR Code: NO TOX DATA.
- Hafner, C. ([Scabies]. *Hautarzt*. 2009, Feb; 60(2):145-59, quiz 160-1. [*Der Hautarzt; Zeitschrift fur Dermatologie, Venerologie, und verwandte Gebiete*].
Chem Codes: Chemical of Concern: CPMR Code: NON-ENGLISH,HUMAN HEALTH.
- Hagman, M., Phillips, B. L., and Shine, R. (:2813-8 [Proceedings). Fatal Attraction: Adaptations to Prey on Native Frogs Imperil Snakes After Invasion of Toxic Toads. *Proc Biol Sci*. 2009, Aug 7 276: Biological sciences / The Royal Society].
Chem Codes: Chemical of Concern: CPMR Code: BIOLOGICAL TOXICANT.
- Han, Y., Xia, Y., Han, J., Zhou, J., Wang, S., Zhu, P., Zhao, R., Jin, N., Song, L., and Wang, X. (The Relationship of 3-Pba Pyrethroids Metabolite and Male Reproductive Hormones Among Non-Occupational Exposure Males. *Chemosphere*. 2008, Jun; 72(5):785-90. [*Chemosphere*].
Chem Codes: Chemical of Concern: CPMR Code: HUMAN HEALTH.
- Hardman, J. M., Rogers, R. E. L., and MacLellan, C. R. (1988). Advantages and Disadvantages of Using Pyrethroids in Nova Scotia Apple Orchards. *J.Econ.Entomol*. 81: 1737-1749.
Chem Codes: Chemical of Concern: PMR,FNV Code: NO CONC.
- Hardman, J. M., Rogers, R. E. L., and MacLellan, C. R. (1987). Pesticide Use and Levels of Insect and Scab Injury on Fruit in Nova Scotia Apple Orchards. *J.Econ.Entomol*. 80: 979-984.
Chem Codes: Chemical of Concern: CBL,MLN,DMT,PSM,FNV,PMR,AZ,PHSL Code: SURVEY.
- Harp, Paul R. (2005). Permethrin. 358-360.
Chem Codes: Chemical of Concern: CPMR Code: REVIEW.
- Harrill, J. A. (2008). Effect of Pyrethroid Insecticides on Gene Expression in the Mammalian Central Nervous System. *Ph.D.Thesis, Univ.of North Carolina, Chapel Hill, NC* 235 p. (UMI# 3304328).
Chem Codes: EcoReference No.: 114269
Chemical of Concern: TFT,CYF,CYP,BFT,PMR,DM Code: PUBL AS.
- Harris, B. A. (1985). The Development of Synthetic Pyrethroids, Their Role in Efficient Crop Protection and the Continued Improvement in this Insecticide Group. *Mater.Ses.Nauk.Inst.Ochr.Rosl.(Poznan)* 25: 183-199.
Chem Codes: Chemical of Concern: CPY,CYP,PMR,DM,FNT Code: REVIEW.
- Havens, Karl E. and Hanazato, Takayuki (1993). Zooplankton community responses to chemical stressors: A comparison of results from acidification and pesticide contamination research. *Environmental Pollution* 82: 277-288.
Chem Codes: Chemical of Concern: CPMR Code: REVIEW.

- Hays, Sean M., Aylward, Lesa L., Gagné, Michelle, and Krishnan, Kannan (Derivation of Biomonitoring Equivalents for Cyfluthrin. *Regulatory Toxicology and Pharmacology* In Press, Accepted Manuscript. Chem Codes: Chemical of Concern: CPMR Code: HUMAN HEALTH.
- He, Fengsheng (1994-). Chapter 6 Synthetic pyrethroids. *Toxicology* 91: 43-49. Chem Codes: Chemical of Concern: CPMR Code: REVIEW.
- Heder, Anne F., Hirsch-Ernst, Karen I., Bauer, Daniel, Kahl, Georg F., and Desel, Herbert (2001-). Induction of cytochrome P450 2B1 by pyrethroids in primary rat hepatocyte cultures. *Biochemical Pharmacology* 62: 71-79. Chem Codes: Chemical of Concern: CPMR Code: IN VITRO.
- Heidari, R., Devonshire, A. L., Campbell, B. E., Dorrian, S. J., Oakeshott, J. G., and Russell, R. J. (2005). Hydrolysis of Pyrethroids by Carboxylesterases From *Lucilia Cuprina* and *Drosophila Melanogaster* With Active Sites Modified by in Vitro Mutagenesis. *Insect Biochem Mol Biol* 35: 597-609. Chem Codes: Chemical of Concern: CPMR Code: IN VITRO.
- Helweg, A. (1986). Side-Effects Caused by Pesticide Combinations. In: V.Jensen, A.Kjoller, and L.H.Sorensen (Ed.), *FEMS (Fed.Eur.Microbiol.Soc.) Symp.No.33, Microbial Communities in Soil, Aug.4-8, 1985, Copenhagen, Denmark, Elsevier Appl.Sci.Publ.Ltd., Essex, England* 385-394. Chem Codes: Chemical of Concern: TBA,THM,SFR,MCPA,BMY,AZ,CAP,Captan,GYP,MZB,PMR,SZ Code: BACTERIA/MIXTURE.
- Hemingway, Janet, Hawkes, Nicola J., McCarroll, Lynn, and Ranson, Hilary (2004). The molecular basis of insecticide resistance in mosquitoes. *Insect Biochemistry and Molecular Biology* 34: 653-665. Chem Codes: Chemical of Concern: CPMR Code: REVIEW.
- Hengel, M. J., Mourer, C. R., and Shibamoto, T. (New Method for Analysis of Pyrethroid Insecticides Esfenvalerate Cis-Permethrin and Trans-Permethrin in Surface Waters Using Solid-Phase Extraction and Gas Chromatography. *BULLETIN OF ENVIRONMENTAL CONTAMINATION AND TOXICOLOGY*; 59 (2). 1997. 171-178. Chem Codes: Chemical of Concern: CPMR Code: CHEM METHODS.
- Herkimer, M., Kinnear, D., Krauth, P., Loader, K., Okey, R., Rawlings, L., and Reynolds, F. (Biomonitoring. *WATER ENVIRONMENT RESEARCH*; 70 (4). 1998. 954-962. Chem Codes: Chemical of Concern: CPMR Code: CHEM METHODS.
- Heymann, W. R. (Head Lice Treatments: Searching for the Path of Least Resistance. *J Am Acad Dermatol.* 2009, Aug; 61(2):323-4. [*Journal of the American Academy of Dermatology*]. Chem Codes: Chemical of Concern: CPMR Code: HUMAN HEALTH.
- Hodges, R. J. (The Biology and Control of *Prostephanus-Truncatus* Coleoptera Bostrichidae a Destructive Storage Pest With an Increasing Range. *J STORED PROD RES*; 22 (1). 1986. 1-14. Chem Codes: Chemical of Concern: CPMR Code: REVIEW.
- Hodges, R. J. (1986). The biology and control of *Prostephanus truncatus* (Horn) (**Coleoptera**: Bostrichidae)--A destructive storage pest with an increasing range. *Journal of Stored Products Research* 22: 1-14. Chem Codes: Chemical of Concern: CPMR Code: REVIEW.
- Hodgson, E., Brimfield, A. A., Goldstein, J. E., Rose, R. L., and Wallace, A. D. (Human Metabolism and Interactions of Deployment-Related Chemicals. *Govt Reports Announcements & Index (GRA&I), Issue 07, 2009.* Chem Codes: Chemical of Concern: CPMR Code: HUMAN HEALTH.
- Hodgson, E., Kulkarni, A. P., Fabacher, D. L., and Robacker, K. M. (1980). Induction of Hepatic Drug Metabolizing

- Enzymes in Mammals By Pesticides: A Review. *J. Environ. Sci. Health B*15: 723-754.
Chem Codes: EcoReference No.: 37135
 Chemical of Concern:
 MLN,PMR,TFN,ES,CPY,PPB,NCTN,HCCH,HPT,TXP,DS,CBL,PRN,DLD,DDT,CHD,PCB,AND,PAH,
 MRX,TCDD Code: REVIEW.
- Hodgson, E. and Rose, R. L. (Metabolic Interactions of Agrochemicals in Humans. *Pest Manag Sci.* 2008, Jun;
 64(6):617-21. [*Pest management science*].
Chem Codes: Chemical of Concern: CPMR Code: HUMAN HEALTH.
- Hodgson, Ernest (2001). Factors That Affect Pesticide Metabolism and Toxicity. 507-513.
Chem Codes: Chemical of Concern: CPMR Code: REVIEW.
- Hoellinger, H., Lecorsier, A., and Do, Cao Thang (1984). The micronucleus test for possible cytogenotoxicity of
 some pyrethroids. *Mutation Research/Environmental Mutagenesis and Related Subjects* 130: **244**.
Chem Codes: Chemical of Concern: CPMR Code: CHEM METHODS.
- Hollingworth, Robert M. (2001). Inhibitors and Uncouplers of Mitochondrial Oxidative Phosphorylation. 1169-
 1261.
Chem Codes: Chemical of Concern: CPMR Code: REVIEW.
- Holmstead, R. L., Casida, J. E., Ruzo, L. O., and Fullmer, D. G. (Pyrethroid Photodecomposition: Permethrin. *J.*
Agric. Food Chem. 26(3): 590-595 1978 (8 References).
Chem Codes: Chemical of Concern: CPMR Code: CHEM METHODS,FATE.
- Hopper, M. L. (Analysis of Organochlorine Pesticide Residues Using Simultaneous Injection of Two Capillary
 Columns With Electron Capture and Electrolytic Conductivity Detectors. *J ASSOC OFF ANAL CHEM*; 74
 (6). 1991. 974-981.
Chem Codes: Chemical of Concern: CPMR Code: CHEM METHODS.
- Hoppin, J. A., Umbach, D. M., London, S. J., Henneberger, P. K., Kullman, G. J., Alavanja, M. C., and Sandler, D.
 P. (Pesticides and Atopic and Nonatopic Asthma Among Farm Women in the Agricultural Health Study.
Am J Respir Crit Care Med. 2008, Jan 1; 177(1):11-8. [*American journal of respiratory and critical care
 medicine*].
Chem Codes: Chemical of Concern: CPMR Code: HUMAN HEALTH.
- Horn, Wolfgang, Jann, Oliver, and Wilke, Olaf (2003). Suitability of small environmental chambers to test the
 emission of biocides from treated materials into the air. *Atmospheric Environment* 37: 5477-5483.
Chem Codes: Chemical of Concern: CPMR Code: CHEM METHODS,FATE.
- House, W. A., Leach, D., Long, J. L. A., Cranwell, P., Smith, C., Bharwaj, L., Meharg, A., Ryland, G., Orr, D. O.,
 and Wright, J. (1997-). Micro-organic compounds in the Humber rivers. *Science of The Total Environment*
 194-195: 357-371.
Chem Codes: Chemical of Concern: CPMR Code: FATE.
- House, W. A. and Ou, Ziqing (1992). Determination of pesticides on suspended solids and sediments: Investigations
 on the handling and separation. *Chemosphere* 24: 819-832.
Chem Codes: Chemical of Concern: CPMR Code: CHEM METHODS.
- Huckins, James N., Tubergen, Mark W., and Manuweera, Gamini K. (1990). Semipermeable membrane devices
 containing model lipid: A new approach to monitoring the bioavailability of lipophilic contaminants and
 estimating their bioconcentration potential. *Chemosphere* 20: 533-552.
Chem Codes: Chemical of Concern: CPMR Code: CHEM METHODS.
- Hughes, G. A., Robertson, J. L., and Savin, N. E. (1991). Multinomial Logit Analysis of the Effects of Chemical

- Mixtures. *J.Econ.Entomol.* 84: 1957-1968.
Chem Codes: Chemical of Concern: FNV,DFZ,MTPN,PMR Code: MODELING/REFS CHECKED.
- Hunt, J., Anderson, B., Phillips, B., Tjeerdema, R., Largay, B., Beretti, M., and Bern, A. (Use of Toxicity Identification Evaluations to Determine the Pesticide Mitigation Effectiveness of on-Farm Vegetated Treatment Systems. *Environ Pollut.* 2008, Nov; 156(2):348-58. [*Environmental pollution (Barking, Essex : 1987)*].
Chem Codes: Chemical of Concern: CPMR Code: EFFLUENT.
- Hunter, W., Xu, Y., Spurlock, F., and Gan, J. (Using Disposable Polydimethylsiloxane Fibers to Assess the Bioavailability of Permethrin in Sediment. *Environ Toxicol Chem.* 2008, Mar; 27(3):568-75. [*Environmental toxicology and chemistry / SETAC*].
Chem Codes: Chemical of Concern: CPMR Code: MIXTURE .
- Hunter, W., Yang, Y., Reichenberg, F., Mayer, P., and Gan, J. (2009). Measuring Pyrethroids in Sediment Pore Water Using Matrix-Solid Phase Microextraction. *Environ Toxicol Chem* 28: :36-43.
Chem Codes: Chemical of Concern: CPMR Code: CHEM METHODS.
- Hutson, D. H. (1979). The Metabolic Fate of Synthetic Pyrethroid Insecticides in Mammals. *Prog.Drug Metab.* 3: 215.
Chem Codes: Chemical of Concern: FNV,DM,CYP,ATN,TMT,RSM,BRSM,SMT,PMR Code: FATE.
- Idriss, S. and Levitt, J. (Malathion for Head Lice and Scabies: Treatment and Safety Considerations. *J Drugs Dermatol.* 2009, Aug; 8(8):715-20. [*Journal of drugs in dermatology : JDD*].
Chem Codes: Chemical of Concern: CPMR,MLN Code: HUMAN HEALTH.
- Igarashi, A., Ohtsu, S., Muroi, M., and Tanamoto, K. (2006). Effects of Possible Endocrine Disrupting Chemicals on Bacterial Component-Induced Activation of NF-KB. *Biol.Pharm.Bull.* 29: 2120-2122.
Chem Codes: Chemical of Concern:
ACR,ADC,AMTL,ATZ,BMY,CBL,24D,24DC,MLN,MOM,MXC,MBZ,PCP,PMR,SZ,TFN,VCZ,Ziram
Code: IN VITRO.
- Imamura, L., Hasegawa, H., Kurashina, K., Hamanishi, A., Tabuchi, A., and Tsuda, M. (2000). Repression of Activity-Dependent C-Fos and Brain-Derived Neurotrophic Factor Mrna Expression by Pyrethroid Insecticides Accompanying a Decrease in Ca(2+) Influx Into Neurons. *J Pharmacol Exp Ther* 295: 1175-82.
Chem Codes: Chemical of Concern: CPMR Code: IN VITRO.
- Isah, A. Y. and Nwobodo, E. I. (Awareness and Utilization of Insecticide Treated Mosquito Nets Among Pregnant Mothers at a Tertiary Health Institution in North-Western Nigeria. *Niger J Med.* 2009 Apr-Jun; 18(2):175-8. [*Nigerian journal of medicine : journal of the National Association of Resident Doctors of Nigeria*].
Chem Codes: Chemical of Concern: CPMR Code: HUMAN HEALTH.
- Isensee, Allan R. and Sadeghi, Ali M. (1995). Long-term effect of thj.age and rainfall on herbicide leaching to shallow groundwater. *Chemosphere* 30: 671-685.
Chem Codes: Chemical of Concern: CPMR Code: FATE.
- Ishaaya, I., Ascher, K. R. S., and Casida, J. E. (1983). Pyrethroid Synergism by Esterase Inhibition in Spodoptera littoralis (Boisduval) Larvae. *Crop Prot.* 2: 335-343.
Chem Codes: Chemical of Concern: PFF,DM,PTPMR,ACP,AZ,PPB,DTCYP,CYP Code: IN VITRO.
- Ito, N., Hagiwara, A., Tamano, S., Hasegawa, R., Imaida, K., Hirose, M., and Shirai, T. (1995). Lack of Carcinogenicity of Pesticide Mixtures Administered in the Diet at Acceptable Daily Intake (ADI) Dose Levels in Rats. *Toxicol.Lett.* 82/83: 513-520.
Chem Codes: Chemical of Concern:

MYC,MLX,FRM,VCZ,BS,FNV,CYF,CYH,OML,TDF,MZB,Maneb,CAP,DBN,TFN,GYP,24D,CTZ,PSM,
PMR,CYP,DCF,TCM,TCF,ACP,CPY,DDVP,DMT,ES,FNT,MLN,MDT,PIRM,FST Code: MIXTURE.

- Jacques, Y., Romey, G., Cavey, M. T., Kartalovski, B., and Lazdunski, M. (1980-). Interaction of pyrethroids with the Na⁺ channel in mammalian neuronal cells in culture. *Biochimica et Biophysica Acta (BBA) - Biomembranes* 600: 882-897.
Chem Codes: Chemical of Concern: CPMR Code: IN VITRO.
- Jain, Parijat, Sepassi, Kia, and Yalkowsky, Samuel H. (2008-). Comparison of aqueous solubility estimation from AQUAFAC and the GSE. *International Journal of Pharmaceutics* 360: 122-147.
Chem Codes: Chemical of Concern: CPMR Code: CHEM METHODS.
- Jett, David A. and Lein, Pamela J. (2006). Noncholinesterase Mechanisms of Central and Peripheral Neurotoxicity: Muscarinic Receptors and Other Targets. 233-245.
Chem Codes: Chemical of Concern: CPMR Code: REVIEW.
- Johansson, M. (2004). Effects of Agriculture on Abundance, Genetic Diversity and Fitness in the Common Frog, *Rana temporaria*. *Ph.D.Thesis, Uppsala Univ., Sweden* 43 p. (UMI #IC818949).
Chem Codes: EcoReference No.: 110047
Chemical of Concern: PIM,PMR,MCPA,EFV,CZE,AZX Code: PUBL AS.
- Johnson, P. D., Rimmer, D. A., and Brown, R. H. (Adaptation and Application of a Multi-Residue Method for the Determination of a Range of Pesticides, Including Phenoxy Acid Herbicides in **Vegetation**, Based on High-Resolution Gel Permeation Chromatographic Clean-up and Gas Chromatographic Analysis With Mass-Selective Detection. *JOURNAL OF CHROMATOGRAPHY A*; 765 (1). 1997. 3-11.
Chem Codes: Chemical of Concern: CPMR Code: CHEM METHODS.
- Johri, A. K., Saxena, D. M., and Lal, R. (Interaction of Synthetic Pyrethroids With Micro-Organisms: a Review. *MICROBIOS*; 89 (360-361). 1997. 151-156.
Chem Codes: Chemical of Concern: CPMR Code: REVIEW.
- Jones, F. W. (Multiresidue Analysis of Pesticides in Wool Wax and Lanolin Using Gel Permeation and Gas Chromatography. *JOURNAL OF AGRICULTURAL AND FOOD CHEMISTRY*; 44 (10). 1996. 3197-3201.
Chem Codes: Chemical of Concern: CPMR Code: CHEM METHODS.
- Jones, O. T. and Lee, A. G. (1986). Effects of pyrethroids on the activity of a purified (Ca²⁺-Mg²⁺)-ATPase. *Pesticide Biochemistry and Physiology* 25: 420-430.
Chem Codes: Chemical of Concern: CPMR Code: IN VITRO.
- Jones, O. T. and Lee, A. G. (Properties of a Fluorescent Analog of the Pyrethroids. *PESTIC BIOCHEM PHYSIOL*; 25 (3). 1986. 431-438.
Chem Codes: Chemical of Concern: CPMR Code: CHEM METHODS.
- Jordan, E. G. and Kaufman, D. D. (Degradation of Cis Permethrin and Trans Permethrin in Flooded Soil. *J AGRIC FOOD CHEM*; 34 (5). 1986. 880-884.
Chem Codes: Chemical of Concern: CPMR Code: FATE.
- Jordan, E. G., Kaufman, D. D., and Kayser, A. J. (1982). The Effect of Soil Temperature on the Degradation of Cis, Trans - Permethrin in Soil. *J Environ Sci Health B* 17: :1-17.
Chem Codes: Chemical of Concern: CPMR Code: FATE.
- Jorgensen, F. S., Byberg, J. R., and Kristensen, J. (Pharmacophore Identification of Pyrethroids. *JENSEN, B., F. S. JORGENSEN AND H. KOFOED (ED.). PROCEEDINGS OF THE ALFRED BENZON SYMPOSIUM, VOL. 28. FRONTIERS IN DRUG RESEARCH: CRYSTALLOGRAPHIC AND COMPUTATIONAL METHODS; COPENHAGEN, DENMARK, JUNE 11-15, 1989. 417P. MUNKSGAARD: COPENHAGEN, DENMARK;*

- (*DIST. IN NORTH AND SOUTH AMERICA BY MOSBY-YEAR BOOK, INC.: CHICAGO, ILLINOIS, USA*).
ILLUS. ISBN 87-16-10391-2.; 0 (0). 1990. 127-136.
Chem Codes: Chemical of Concern: CPMR Code: CHEM METHODS.
- Jortner, Bernard S. (2006). The return of the dark neuron. A histological artifact complicating contemporary neurotoxicologic evaluation. *NeuroToxicology* 27: 628-634.
Chem Codes: Chemical of Concern: CPMR Code: REVIEW.
- Julien, R., Adamkiewicz, G., Levy, J. I., Bennett, D., Nishioka, M., and Spengler, J. D. (Pesticide Loadings of Select Organophosphate and Pyrethroid Pesticides in Urban Public Housing. *J Expo Sci Environ Epidemiol.* 2008, Mar; 18(2):167-74. [*Journal of exposure science & environmental epidemiology*].
Chem Codes: Chemical of Concern: CPMR Code: HUMAN HEALTH.
- Kanayama, T., Kobayashi, N., Marniya, S., Nakanishi, T., and Nishikawa, J. I. (2005). Organotin Compounds Promote Adipocyte Differentiation as Agonists of the Peroxisome Proliferator-Activated Receptor gamma/Retinoid X Receptor Pathway. *Mol.Pharmacol.* 67: 766-774.
Chem Codes: Chemical of Concern:
 HCCH,MXC,ADC,BAP,TBT,NYP,24DC,DCF,MLN,TFN,AMTL,PCP,ACR,SL,24D,PMR,Ziram,MZB,M aneb,MOM,CBL,VCZ Code: IN VITRO.
- Kaneko, H., Ohkawa, H., and Miyamoto, J. (Degradation and Movement of Permethrin Isomers in Soil. *Nippon Noyaku Gakkaishi (J. Pestic. Sci.)* 3(1): 43-51 1978 (9 References).
Chem Codes: Chemical of Concern: CPMR Code: FATE.
- Kaneko, Hideo and Miyamoto, Junshi (2001). Pyrethroid Chemistry and Metabolism. 1263-1288.
Chem Codes: Chemical of Concern: CPMR Code: NO EFFECT.
- Kappas, A., Tziolas, V., and Demopoulos, N. (1984). Mutagenicity of herbicides in microbial short-term test systems. *Mutation Research/Environmental Mutagenesis and Related Subjects* 130: 244-245.
Chem Codes: Chemical of Concern: CPMR Code: BACTERIA.
- Karimov, S. S., Kadamov, D. S., and Murodova, N. K. H. ([The Current Malaria Situation in Tadjikistan]. *Med Parazitol (Mosk).* 2008 Jan-Mar(1):33-6. [*Meditsinskaia parazitologïa i parazitarnye bolezni*].
Chem Codes: Chemical of Concern: CPMR Code: NON-ENGLISH.
- Karıncaoglu, Y., Tepe, B., Kalayci, B., and Seyhan, M. (Pseudozoster Clinical Presentation of Demodex Infestation After Prolonged Topical Steroid Use. *Clin Exp Dermatol.* 2008, Nov; 33(6):740-2. [*Clinical and experimental dermatology*].
Chem Codes: Chemical of Concern: CPMR Code: HUMAN HEALTH.
- Karray-Bouraoui, Najoua, Rabhi, Mokded, Neffati, Manel, Baldan, Barbara, Ranieri, Annamaria, Marzouk, Brahim, Lachaâl, Mokhtar, and Smaoui, Abderrazak (Salt effect on yield and composition of shoot essential oil and trichome morphology and density on leaves of Mentha pulegium. *Industrial Crops and Products* In Press, Corrected Proof.
Chem Codes: Chemical of Concern: CPMR Code: NO SOURCE.
- Katz, T. M., Miller, J. H., and Hebert, A. A. (Insect Repellents: Historical Perspectives and New Developments. *J Am Acad Dermatol.* 2008, May; 58(5):865-71. [*Journal of the American Academy of Dermatology*].
Chem Codes: Chemical of Concern: CPMR Code: HUMAN HEALTH.
- Kay, Paul, Edwards, Anthony C., and Foulger, Miles (2009). A review of the efficacy of contemporary agricultural stewardship measures for ameliorating water pollution problems of key concern to the UK water industry. *Agricultural Systems* 99: 67-75.
Chem Codes: Chemical of Concern: CPMR Code: METHODS.

- Kelly, Alan G. and Campbell, Lesley A. (1996). Persistent organochlorine contaminants in the Firth of Clyde in relation to sewage sludge input. *Marine Environmental Research* 41: 99-132.
Chem Codes: Chemical of Concern: CPMR Code: FATE.
- Khan, M. Aq (Biochemical Effects of Pesticides on Mammals. *BAHADIR, M., P. BOEGER, H. BUCHENAUER, M. ETO, M. A. Q. KHAN, G. PFISTER AND G. SANDMANN. CHEMISTRY OF PLANT PROTECTION, VOL. 6. CONTROLLED RELEASE, BIOCHEMICAL EFFECTS OF PESTICIDES, INHIBITION OF PLANT PATHOGENIC FUNGI. IX+312P. SPRINGER-VERLAG: BERLIN, WEST GERMANY; NEW YORK, NEW YORK, USA. ILLUS. ISBN 3-540-51316-7; ISBN 0-387-51316-7.; 0 (0). 1990. 109-172.*
Chem Codes: Chemical of Concern: CPMR Code: REVIEW.
- Kim, H. J., Ahn, K. C., GonzÁlez-Techera, A., GonzÁlez-Sapienza, G. G., Gee, S. J., and Hammock, B. D. (Magnetic Bead-Based Phage Anti-Immuno-complex Assay (Phaia) for the Detection of the Urinary Biomarker 3-Phenoxybenzoic Acid to Assess Human Exposure to Pyrethroid Insecticides. *Anal Biochem.* 2009, Mar 1; 386(1):45-52. [*Analytical biochemistry*].
Chem Codes: Chemical of Concern: CPMR Code: CHEM METHODS.
- Kim, H. J., GonzÁlez-Techera, A., GonzÁlez-Sapienza, G. G., Ahn, K. C., Gee, S. J., and Hammock, B. D. (Phage-Borne Peptidomimetics Accelerate the Development of Polyclonal Antibody-Based Heterologous Immunoassays for the Detection of Pesticide Metabolites. *Environ Sci Technol.* 2008, Mar 15; 42(6):2047-53. [*Environmental science & technology*].
Chem Codes: Chemical of Concern: CPMR Code: CHEM METHODS.
- Kimata, A., Kondo, T., Ueyama, J., Yamamoto, K., Kamijima, M., Suzuki, K., Inoue, T., Ito, Y., and Hamajima, N. (Relationship Between Dietary Habits and Urinary Concentrations of 3-Phenoxybenzoic Acid in a Middle-Aged and Elderly General Population in Japan. *Environ Health Prev Med.* 2009, May; 14(3):173-9. [*Environmental health and preventive medicine*].
Chem Codes: Chemical of Concern: CPMR Code: HUMAN HEALTH.
- Kimata, A., Kondo, T., Ueyama, J., Yamamoto, K., Mochizuki, A., Asai, K., Takagi, K., Okamura, A., Wang, D., Kamijima, M., Nakajima, T., Fukaya, Y., Shibata, E., Gotoh, M., and Saito, I. (Relationship Between Urinary Pesticide Metabolites and Pest Control Operation Among Occupational Pesticide Sprayers. *J Occup Health.* 2009; 51(1):100-5. [*Journal of occupational health*].
Chem Codes: Chemical of Concern: CPMR Code: HUMAN HEALTH.
- Kimbrough, R. A. and Litke, D. W. (Pesticides in Streams Draining Agricultural and Urban Areas in Colorado. *ENVIRONMENTAL SCIENCE & TECHNOLOGY*; 30 (3). 1996. 908-916.
Chem Codes: Chemical of Concern: CPMR Code: FATE.
- Kirby-Smith, W. W., Thompson, S. P., and Forward, R. B. (1989). Use of Grass Shrimp (*Palaemonetes pugio*) Larvae in Field Bioassays of the Effects of Agricultural Runoff into Estuaries. *In: D.L. Weigmann (Ed.), Pesticides in Terrestrial and Aquatic Environments, Proc. of a Natl. Res. Conf., May 11-12, 1989, Virginia Water Resour. Res. Inst., Blacksburg, VA* 29-36.
Chem Codes: Chemical of Concern: PMR,TDC,TLM Code: MIXTURE/NO CONC.
- Kirk, P. W. W., Rogers, H. R., and Lester, J. N. (1989). The fate of chlorobenzenes and permethrins during anaerobic sewage sludge digestion. *Chemosphere* 18: 1771-1784.
Chem Codes: Chemical of Concern: CPMR Code: CHEM METHODS.
- Kitchen, L. W., Lawrence, K. L., and Coleman, R. E. (Role of the United States Military in the Development of Vector Control Products, Including Insect Repellents, Insecticides, and Bed Nets. *Govt Reports Announcements & Index (GRA&I), Issue 25, 2009.*
Chem Codes: Chemical of Concern: CPMR Code: HUMAN HEALTH.
- Klassen, W. and Schwartz, P. H. Jr. (1985). ARS Research Program in Chemical Insect Control. *In: J.L.Hilton*

(Ed.), *Beltsville Symp. in Agricultural Research, Chapter 22, Agricultural Chemicals of the Future, May 16-19, 1983, Rowman and Allanheld Publ., Totowa, NJ* 8: 267-292.

Chem Codes: Chemical of Concern:

RSM,FNF,TVP,PSM,MOM,MDT,CPY,ADC,PPG,DCTP,MCB,OXD,PPX,FNT,FNTH,PPHD,Naled,CBL,ETN,ES,DS,DMT,DCF,DDVP,PRT,MVP,AZ,DZ,EN,DEM,MLN,MP,ATN,HPT,DLD,AND,PPB,PRN,EDB,RYA,MXC,DDT,CHD,MB,AIP,TPH,RTN,CLP,CTC,As,Pb,CBNDS,PYN,SFR,CHX,MTM,OML,ACP,BDC,PIRE,DFZ,FNV,AMZ,PMR,SMT,TBO,IFP,SPS,CN Code: NO TOX DATA.

Klinkenberg, E., Mccall, P., Wilson, M. D., Amerasinghe, F. P., and Donnelly, M. J. (Impact of Urban Agriculture on Malaria Vectors in Accra, Ghana. *Malar J.* 2008; 7:151. [*Malaria journal*].

Chem Codes: Chemical of Concern: CPMR Code: SURVEY.

Klis, Sjaak F. L., Vijverberg, Henk P. M., and van der Bercken, Joep (1991). Phenylpyrazoles, a new class of pesticides: An electrophysiological investigation into basic effects. *Pesticide Biochemistry and Physiology* 39: 210-218.

Chem Codes: Chemical of Concern: CPMR Code: IN VITRO.

Klopman, G., Contreras, R., Rosenkranz, H. S., and Waters, M. D. (1985). Structure-Genotoxic Activity Relationships of Pesticides: Comparison of the Results from Several Short-Term Assays. *Mutat.Res.* 147: 343-356.

Chem Codes: Chemical of Concern:

Maneb,PNB,Zineb,BPH,DMB,PCP,PPN,SID,SZ,TRL,TFN,24DXY,Captan,Folpet,MZB,FNF,FTT,MLN,MOM,MXC,MP,PRN,PMR,PRT,RSM,SMT,BMC,ACP,ATN,AZ,CBF,CPY,CHRY,CYP,DZ,DCB,ETN,FNT Code: YEAST.

Klopman, Gilles, Contreras, Renato, Rosenkranz, Herbert S., and Waters, Michael D. (1985). Structure-genotoxic activity relationships of pesticides: comparison of the results from several short-term assays. *Mutation Research/Environmental Mutagenesis and Related Subjects* 147: 343-356.

Chem Codes: Chemical of Concern: CPMR Code: IN VITRO.

Kojima, H., Katsura, E., Takeuchi, S., Niiyama, K., and Kobayashi, K. (2004). Screening for Estrogen and Androgen Receptor Activities in 200 Pesticides by In Vitro Reporter Gene Assays Using Chinese Hamster Ovary Cells. *Environ.Health Perspect.* 112: 524-531.

Chem Codes: Chemical of Concern:

AND,HCCH,Captan,CHD,CTN,DDT,DBN,DCF,DLD,ES,EN,Folpet,HPT,MXC,PCP,ACF,ACFM,DFPM,FZFB,OXF,ACP,ANL,CPY,CPYM,DZ,DDVP,DMT,DS,ETN,FMP,FNT,FNTH,GYP,IFP,MLN,MTM,MDT,MP,PRN,PRT,PHSL,PSM,PIRM,PFF,TBO,TVP,TCM,TCF,CYF,CYH,CYP,DM,EFX,FNV,FYT,FVL,PMR,PYN,TFT,TLM,BCD,BMY,CBL,CBD,CBF,CPP,MCB,MOM,MLT,OML,PHMD,PIM,TBC,THM,ACR,ASM,FTL,MLX,MTL,PZM,ANZ,ATZ,MBZ,PRO,PMT,SZ,BSFM,DFZ,DU,LNR,PPN,AMZ,BT,BPH,BTN,DZM,EXQ,FRM,FNZ,ILL,IMC,IPD,MCPA,24D,PAQT,PDM,PCZ,SZD,TBA,TPE,TDF,TFZ,TFN,TFR,VCZ Code: IN VITRO.

Kolpin, D. W., Barbash, J. E., and Gilliom, R. J. (Occurrence of Pesticides in Shallow Groundwater of the United States: Initial Results From the National Water-Quality Assessment Program. *ENVIRONMENTAL SCIENCE & TECHNOLOGY*; 32 (5). 1998. 558-566.

Chem Codes: Chemical of Concern: CPMR Code: FATE.

Konstantinou, Ioannis K., Hela, Dimitra G., and Albanis, Triantafyllos A. (2006). The status of pesticide pollution in surface waters (rivers and lakes) of Greece. Part I. Review on occurrence and levels. *Environmental Pollution* 141: 555-570.

Chem Codes: Chemical of Concern: CPMR Code: FATE.

Konwick, Brad J., Garrison, Arthur W., Avants, Jimmy K., and Fisk, Aaron T. (2006-). Bioaccumulation and biotransformation of chiral triazole fungicides in rainbow trout (*Oncorhynchus mykiss*). *Aquatic Toxicology* 80: 372-381.

Chem Codes: Chemical of Concern: CPMR Code: MIXTURE.

- Kostrzewa, P. and Lis, T. W. (1995). The gas chromatographic method for determination of cis/trans permethrin in the healing shampoo for dogs. *Toxicology Letters* 78: 49.
Chem Codes: Chemical of Concern: CPMR Code: CHEM METHODS.
- Koynova, Rumiana and Caffrey, Martin (2002). An index of lipid phase diagrams. *Chemistry and Physics of Lipids* 115: 107-219.
Chem Codes : Chemical of Concern: CPMR Code: CHEM METHODS.
- Kristenson, E. M., Shahmiri, S., Slooten, C. J., Vreuls, R. J. J., and Brinkman, U. A. T. (2004). Matrix Solid-Phase Dispersion Micro-Extraction of Pesticides from Single Insects with Subsequent GC-MS Analysis. *Chromatographia* 59: 315-320.
Chem Codes: Chemical of Concern: CYF,CYH,RSM,FNTH,FNT,DZ,MP,MLN,CPY,MDT,AZ,TFN,PMR,ATN Code: METHODS.
- Kulkarni, Arun P. and Hodgson, Ernest (1980). Metabolism of insecticides by mixed function oxidase systems. *Pharmacology & Therapeutics* 8: 379-475.
Chem Codes: Chemical of Concern: CPMR Code: IN VITRO,NO EFFECT.
- Kumar, H. M. S., Chakravarthy, P. Pawan, Shesha Rao, M., Reddy, P. Sunder Ram, and Yadav, J. S. (2002-). Free radical addition of haloalkanes to polymer bound olefins and its application to the solid-phase synthesis of pyrethroids. *Tetrahedron Letters* 43: 7817-7819.
Chem Codes: Chemical of Concern: CPMR Code: CHEM METHODS.
- Kumari, J. P. and Naidu, B. P. (1987). Effects of Permethrin on Organic Constituents of the Silk Worm Bombyx mori. *Environ.Ecol.* 5: 717-719.
Chem Codes : Chemical of Concern: PMR Code: NO DURATION.
- Kupper, T., Plagellat, C., Brändli, R. C., de Alencastro, L. F., Grandjean, D., and Tarradellas, J. (2006). Fate and removal of polycyclic musks, UV filters and biocides during wastewater treatment. *Water Research* 40: 2603-2612.
Chem Codes: Chemical of Concern: CPMR Code: CHEM METHODS.
- Kwabiah, A. B. (2004-). Growth and yield of sweet corn (*Zea mays* L.) cultivars in response to planting date and plastic mulch in a short-season environment. *Scientia Horticulturae* 102: 147-166.
Chem Codes: Chemical of Concern: CPMR Code: NO TOXICANT.
- Ladaniya, Milind S. (2008). Postharvest diseases and their management. 417-449.
Chem Codes: Chemical of Concern: CPMR Code: FOOD.
- Laidler, Dale A. and Milner, David J. (1984-). Asymmetric synthesis of cyclopropane carboxylates: Catalysis of diazoacetate reactions by copper(II) Schiff base complexes derived from [alpha]-amino acids. *Journal of Organometallic Chemistry* 270: 121-129.
Chem Codes: Chemical of Concern: CPMR Code: CHEM METHODS.
- Leahey, J. P. (1979). The Metabolism and Environmental Degradation of the Pyrethroid Insecticides. *Outlook Agric.* 10: 135-142 .
Chem Codes: Chemical of Concern: PMR Code: REFS CHECKED/REVIEW.
- Leake, L. D., Lauckner, S. M., and Ford, M. G. (1980). Relationship Between Neurophysiological Effects of Selected Pyrethroids and Toxicity to the Leech *Haemopsis sanguisuga* and the Locust *Schistocerca gregaria*. In: *Proc.Soc.Chem.Ind.Symp., Insect Neurobiol.Pestic.Action* 423-430.
Chem Codes: Chemical of Concern: BRSM,PMR,CYP,FNV,DTATN,DM Code: NO CONC.
- Leake, Lucy D. (1989). Use of an identified neurone in pesticide research. *Comparative Biochemistry and Physiology Part A: Physiology* 93: 63-68.

- Chem Codes: Chemical of Concern: CPMR Code: IN VITRO.
- Lee, C. Y., Hemingway, J., Yap, H. H., and Chong, N. L. (2000). Biochemical Characterization of Insecticide Resistance in the German Cockroach, *Blattella germanica*, from Malaysia. *Med.Vet.Entomol.* 14: 11-18.
Chem Codes: Chemical of Concern: PPX,BDC,CPY,CYP,PMR,SMT,DM,DDT Code: NO TOXICANT.
- Lehotay, S. J. and Lee, C. H. (Evaluation of a Fibrous Cellulose Drying Agent in Supercritical Fluid Extraction and Pressurized Liquid Extraction of Diverse Pesticides. *JOURNAL OF CHROMATOGRAPHY A*; 785 (1-2). 1997. 313-327.
Chem Codes: Chemical of Concern: CPMR Code: CHEM METHODS.
- Lehotay, S. J. and Valverde-Garcia, A. (Evaluation of Different Solid-Phase Traps for Automated Collection and Clean-up in the Analysis of Multiple Pesticides in Fruits and Vegetables After Supercritical Fluid Extraction. *JOURNAL OF CHROMATOGRAPHY A*; 765 (1). 1997. 69-84.
Chem Codes: Chemical of Concern: CPMR Code: CHEM METHODS.
- Lehotay, Steven J., Harman-Fetcho, Jennifer A., and McConnell, Laura L. (2001). Agricultural pesticide residues in oysters and water from two chesapeake bay tributaries. *Marine Pollution Bulletin* 37: 32-44.
Chem Codes: Chemical of Concern: CPMR Code: SURVEY.
- Lemaire, G., Mnif, W., Pascussi, J. M., Pillon, A., Rabenoelina, F., Fenet, H., Gomez, E., Casellas, C., Nicolas, J. C., Cavailles, V., Duchesne, M. J., and Balaguer, P. (2006). Identification of New Human Pregnane X Receptor Ligands Among Pesticides Using a Stable Reporter Cell System. *Toxicol.Sci.* 91: 501-509.
Chem Codes: Chemical of Concern:
HPT,MP,CBL,TBA,DFZ,FPN,PMR,TXP,ATZ,MCP,MTL,CYP,FNV,FRM,PCZ,FNB,ILL,MZB,VCZ,O
DZ,ACR,24D,DU,NCTN Code: HUMAN HEALTH/IN VITRO.
- Leng, Gabriele, Ranft, Ulrich, Sugiri, Dorothee, Hadnagy, Wolfgang, Berger-Prei, Edith, and Idel, Helga (2003). Pyrethroids used indoors - Biological monitoring of exposure to pyrethroids following an indoor pest control operation. *International Journal of Hygiene and Environmental Health* 206: 85-92.
Chem Codes: Chemical of Concern: CPMR Code: HUMAN HEALTH.
- Lewis, R. G., Bond, A. E., Johnson, D. E., and Hsu, J. P. (Measurements of Atmospheric Concentrations of Common Household Pesticides a Pilot Study. *ENVIRON MONIT ASSESS*; 10 (1). 1988. 59-74.
Chem Codes: Chemical of Concern: CPMR Code: FATE,HUMAN HEALTH.
- Lewis, R. G., Fortune, C. R., Willis, R. D., Camann, D. E., and Antley, J. T. (Distribution of Pesticides and Polycyclic Aromatic Hydrocarbons in House Dust as a Function of Particle Size. *ENVIRONMENTAL HEALTH PERSPECTIVES*; 107 (9). 1999. 721-726.
Chem Codes: Chemical of Concern: CPMR Code: FATE,HUMAN HEALTH.
- Li, A. Y., Miller, J. A., and Klavons, J. A. (Release of Piperonyl Butoxide and Permethrin From Synergized Ear Tags on Cattle and Effects on Horn Fly Mortality. *J Econ Entomol.* 2008, Oct; 101(5):1697-703. [*Journal of economic entomology*].
Chem Codes: Chemical of Concern: CPMR Code: MIXTURE.
- Li, H. P., Lin, C. H., and Jen, J. F. (Analysis of Aqueous Pyrethroid Residuals by One-Step Microwave-Assisted Headspace Solid-Phase Microextraction and Gas Chromatography With Electron Capture Detection. *Talanta.* 2009, Jul 15; 79(2):466-71. [*Talanta*].
Chem Codes: Chemical of Concern: CPMR Code: CHEM METHODS.
- Liess, M., Schulz, R., Liess, M. H-D, Rother, B., and Kreuzig, R. (Determination of Insecticide Contamination in Agricultural Headwater Streams. *WATER RESEARCH*; 33 (1). 1999. 239-247.
Chem Codes: Chemical of Concern: CPMR Code: FATE.

- Lim, L. H. (1994). Research on Dengue Vectors . *Kaohsiung J.Med.Sci.(Gaoxiang Yi Xue Ke Xue Za Zhi)* 10: S116-S117 (ABS).
Chem Codes: Chemical of Concern: TMP,PMR Code: ABSTRACT.
- Ling, C. C., Zhang, P., Archambault, Y., Bocanek, J., Tang, G., and Losasso, T. (Commissioning and Quality Assurance of Rapidarc Radiotherapy Delivery System. *Int J Radiat Oncol Biol Phys.* 2008, Oct 1; 72(2):575-81. [International journal of radiation oncology, biology, physics].
Chem Codes: Chemical of Concern: CPMR Code: CHEM METHODS,HUMAN HEALTH.
- Linnett, P. J. (Permethrin Toxicosis in Cats. *Aust Vet J.* 2008 Jan-Feb; 86(1-2):32-5. [Australian veterinary journal].
Chem Codes: Chemical of Concern: CPMR Code: INCIDENT,SURVEY.
- Liu, Nannan, Liu, Huqi, Zhu, Fang, and Zhang, Lee (2007-). Differential expression of genes in pyrethroid resistant and susceptible mosquitoes, *Culex quinquefasciatus* (S.). *Gene* 394: 61-68.
Chem Codes: Chemical of Concern: CPMR Code: IN VITRO .
- Liu, Nannan and Zhang, Lee (2002). Identification of two new cytochrome P450 genes and their 5'-flanking regions from the housefly, *Musca domestica*. *Insect Biochemistry and Molecular Biology* 32: 755-764.
Chem Codes: Chemical of Concern: CPMR Code: NO TOXICANT.
- Liu, W. and Gan, J. J. (2004). Determination of Enantiomers of Synthetic Pyrethroids in Water by Solid Phase Microextraction - Enantioselective Gas Chromatography. *J Agric Food Chem* 52: 736-41.
Chem Codes: Chemical of Concern: CPMR Code: CHEM METHODS.
- Long, Juliet L. A., House, William A., Parker, Andrew, and Rae, Joy E. (1998-). Micro-organic compounds associated with sediments in the Humber rivers. *Science of The Total Environment* 210-211: 229-253.
Chem Codes : Chemical of Concern: CPMR Code: FATE.
- Loper, B. L. and Anderson, K. A. (2003). Determination of Pyrethrin and Pyrethroid Pesticides in Urine and Water Matrixes by Liquid Chromatography With Diode Array Detection. *J AOAC Int* 86: 1236-40.
Chem Codes: Chemical of Concern: CPMR Code: CHEM METHODS.
- Lopez-Avila, V. and Benedicto, J. (Microwave-Assisted Extraction Combined With Gas Chromatography and Enzyme-Linked Immunosorbent Assay. *TRENDS IN ANALYTICAL CHEMISTRY*; 15 (8). 1996. 334-341.
Chem Codes: Chemical of Concern: CPMR Code: CHEM METHODS.
- Lopez-Avila, V., Benedicto, J., Baldin, E., and Beckert, W. F. (Analysis of Classes of Compounds of Environmental Concern: Iii. Organochlorine Pesticides. *HRC (J HIGH RESOLUT CHROMATOGR)*; 15 (5). 1992. 319-328.
Chem Codes: Chemical of Concern: CPMR Code: CHEM METHODS.
- Lopez-Avila, V., Wesselman, R., and Edgell, K. (Gas Chromatographic-Electron Capture Detection Method for Determination of 29 Organochlorine Pesticides in Finished Drinking Water: Collaborative Study. *J ASSOC OFF ANAL CHEM*; 73 (2). 1990. 276-286.
Chem Codes: Chemical of Concern: CPMR Code: CHEM METHODS.
- Lord, K. A., McKinley, M., and Walker, N. (1982). Degradation of permethrin in soils. *Environmental Pollution Series A, Ecological and Biological* 29: 81-90.
Chem Codes: Chemical of Concern: CPMR Code: FATE.
- Lu, C., Barr, D. B., Pearson, M. A., Walker, L. A., and Bravo, R. (The Attribution of Urban and Suburban Children's Exposure to Synthetic Pyrethroid Insecticides: a Longitudinal Assessment. *J Expo Sci Environ Epidemiol.* 2009, Jan; 19(1):69-78. [Journal of exposure science & environmental epidemiology].
Chem Codes: Chemical of Concern: CPMR Code: HUMAN HEALTH.

- Lund, A. E. and Narahashi, T. (1983). Kinetics of Sodium Channel Modification as the Basis for the Variation in the Nerve Membrane Effects of Pyrethroids and DDT Analogs. *Pestic.Biochem.Physiol.* 20: 203-216 .
Chem Codes: Chemical of Concern: DM,CHT,PMR,FNV Code: IN VITRO.
- Lund, Albert E. and Narahashi, Toshio (1983). Kinetics of sodium channel modification as the basis for the variation in the nerve membrane effects of pyrethroids and DDT analogs. *Pesticide Biochemistry and Physiology* 20: 203-216.
Chem Codes: Chemical of Concern: CPMR Code: IN VITRO.
- López-López, T., Gil-Garcia, M. D., Martínez-Vidal, J. L., and Martínez-Galera, M. (2001-). Determination of pyrethroids in vegetables by HPLC using continuous on-line post-elution photoirradiation with fluorescence detection. *Analytica Chimica Acta* 447: 101-111.
Chem Codes: Chemical of Concern: CPMR Code: CHEM METHODS,FOOD.
- Macaev, Fliur Z. and Malkov, Andrei V. (2006-). Use of monoterpenes, 3-carene and 2-carene, as synthons in the stereoselective synthesis of 2,2-dimethyl-1,3-disubstituted cyclopropanes. *Tetrahedron* 62: 9-29.
Chem Codes: Chemical of Concern: CPMR Code: CHEM METHODS.
- Machida, Hiroyuki, Kondo, Tomoko, Kanehira, Katsushi, Hagimori, Ichiro, and Kamio, Tsugihiko (2008-). The inhibitory effect of a combination of imidacloprid and permethrin on blood feeding by mosquitoes in dogs raised under outdoor conditions. *Veterinary Parasitology* 154: 318-324.
Chem Codes: Chemical of Concern: CPMR,IMC Code: MIXTURE.
- Majewski, M. S., Foreman, W. T., Goolsby, D. A., and Nakagaki, N. (Airborne Pesticide Residues Along the Mississippi River. *ENVIRONMENTAL SCIENCE & TECHNOLOGY*; 32 (23). 1998. 3689-3698.
Chem Codes: Chemical of Concern: CPMR Code: FATE.
- Majewski, Michael S., Foreman, William T., and Goolsby, Donald A. (2000-). Pesticides in the atmosphere of the Mississippi River Valley, part I -- rain. *The Science of The Total Environment* 248: 201-212.
Chem Codes: Chemical of Concern: CPMR Code: FATE.
- Mak, Sally K., Shan, Guomin, Lee, Hu Jang, Watanabe, Takaho, Stoutamire, Donald W., Gee, Shirley J., and Hammock, Bruce D. (2005-). Development of a class selective immunoassay for the type II pyrethroid insecticides. *Analytica Chimica Acta* 534: 109-120.
Chem Codes: Chemical of Concern: CPMR Code: CHEM METHODS.
- Malik, R. (Permethrin Intoxication. *Aust Vet J.* 2008, Oct; 86(10):373. [Australian veterinary journal].
Chem Codes: Chemical of Concern: CPMR Code: HUMAN HEALTH.
- Maloney, S. E., Maule, A., and Smith, A. Rw (Purification and Preliminary Characterization of Permethrinase From a Pyrethroid-Transforming Strain of Bacillus Cereus. *APPL ENVIRON MICROBIOL*; 59 (7). 1993. 2007-2013.
Chem Codes: Chemical of Concern: CPMR Code: BACTERIA,CHEM METHODS.
- MALONEY, SARAH ELIZABETH (1991). MICROBIAL TRANSFORMATION OF SYNTHETIC PYRETHROID INSECTICIDES (PSEUDOMONAS FLUORESCENS, ACHROMOBACTER, BACILLUS CEREUS).
Chem Codes: Chemical of Concern: CPMR Code: BACTERIA,CHEM METHODS.
- Mandal, Arun K., Borude, D. P., Armugasamy, R., Soni, N. R., Jawalkar, D. G., Mahajan, S. W., Ratnam, K. R., and Goghare, A. D. (1986). New synthetic route to (1r)--(-)-permethrin, (1r)--(+)-cypermethrin and (1r)--(+)-deltamethrin (decis) from (+)-3-care. *Tetrahedron* 42: 5715-5728.
Chem Codes: Chemical of Concern: CPMR Code: CHEM METHODS.
- Marquardt, Hans, Schäfer, Siegfried G., McClellan, Roger, and Welsch, Frank (1999). Index. 1231-1330.

- Chem Codes: Chemical of Concern: CPMR Code: REVIEW.
- Martinez Galera M, Martinez Vidal JI, Garrido Frenich a, and Garcia, G. (Determination of Cypermethrin, Fenvalerate and Cis- and Trans-Permethrin in Soil and Groundwater by High-Performance Liquid Chromatography Using Partial Least-Squares Regression. *JOURNAL OF CHROMATOGRAPHY A*; 727 (1). 1996. 39-46.
Chem Codes: Chemical of Concern: CPMR Code: CHEM METHODS.
- Martinez-Torres, D., Chandre, F., Williamson, M. S., Darriet, F., Berge, J. B., Devonshire, A. L., Guillet, P., Pasteur, N., and Pauron, D. (1998). Molecular Characterization of Pyrethroid Knockdown Resistance (kdr) in the Major Malaria Vector *Anopheles gambiae* s.s. *Insect Mol.Biol.* 7: 179-184.
Chem Codes: Chemical of Concern: PMR Code: NO TOX DATA.
- Matsunaga, T., Itoh, T., Okuno, Y., and Tsujii, Y. (1985). Evaluations of Several Pyrethroids as Insect-Resist Agents on Wool. *In: Proc.7th Int.Wool Text.Res.Conf.* 4: 235-241.
Chem Codes: Chemical of Concern: PLL,FPP,SMT,CHT,FNV,PMR Code: MIXTURE.
- Maul, J. D., Brennan, A. A., Harwood, A. D., and Lydy, M. J. (2008). Effect of Sediment-Associated Pyrethroids, Fipronil, and Metabolites on *Chironomus tentans* Growth Rate, Body Mass, Condition Index, Immobilization, and Survival. *Environ.Toxicol.Chem.* 27: 2582-2590.
Chem Codes: Chemical of Concern: LCYT,FPN,PMR,BFT Code: SEDIMENT CONC.
- Mcclain, D., Dana, A. N., and Goldenberg, G. (Mite Infestations. *Dermatol Ther.* 2009 Jul-Aug; 22(4):327-46. [Dermatologic therapy].
Chem Codes: Chemical of Concern: CPMR Code: HUMAN HEALTH.
- Mclaughlin, L. A., Niazi, U., Bibby, J., David, J. P., Vontas, J., Hemingway, J., Ranson, H., Sutcliffe, M. J., and Paine, M. J. (Characterization of Inhibitors and Substrates of *Anopheles Gambiae* Cyp6z2. *Insect Mol Biol.* 2008, Apr; 17(2):125-35. [Insect molecular biology].
Chem Codes: Chemical of Concern: CPMR Code: BACTERIA.
- Meeker, J. D., Barr, D. B., and Hauser, R. (Human Semen Quality and Sperm Dna Damage in Relation to Urinary Metabolites of Pyrethroid Insecticides. *Hum Reprod.* 2008, Aug; 23(8):1932-40. [Human reproduction (Oxford, England)].
Chem Codes: Chemical of Concern: CPMR Code: HUMAN HEALTH.
- Meeker, J. D., Barr, D. B., and Hauser, R. (1960). Pyrethroid Insecticide Metabolites Are Associated With Serum Hormone Levels in Adult Men. *Reprod Toxicol.* 2009, Apr 27: Y.].
Chem Codes: Chemical of Concern: CPMR Code: HUMAN HEALTH.
- Mekebri, A., Crane, D. B., Blondina, G. J., Oros, D. R., and Rocca, J. L. (Extraction and Analysis Methods for the Determination of Pyrethroid Insecticides in Surface Water, Sediments and Biological Tissues at Environmentally Relevant Concentrations. *Bull Environ Contam Toxicol.* 2008, May; 80(5):455-60. [Bulletin of environmental contamination and toxicology].
Chem Codes: Chemical of Concern: CPMR Code: CHEM METHODS.
- Menn, J. J. (1980). Contemporary Frontiers in Chemical Pesticide Research. *J.Agric.Food Chem.* 28: 2-8.
Chem Codes: EcoReference No.: 100603
Chemical of Concern: PMR,FNV,DU,DBN,DFZ,FVL,AZD,MTPN Code: REVIEW.
- Mentlein, Rolf, Ronai, Adam, Robbi, Mariette, Heymann, Eberhard, and Deimling, Otto V. (1987-). Genetic identification of rat liver carboxylesterases isolated in different laboratories. *Biochimica et Biophysica Acta (BBA) - Protein Structure and Molecular Enzymology* 913: 27-38.
Chem Codes: Chemical of Concern: CPMR Code: IN VITRO,NO TOXICANT.

- Meyer, Douglas A., Carter, Julianne M., Johnstone, Andrew F. M., and Shafer, Timothy J. (2008). Pyrethroid modulation of spontaneous neuronal excitability and neurotransmission in hippocampal neurons in culture. *NeuroToxicology* 29: 213-225.
Chem Codes: Chemical of Concern: CPMR Code: IN VITRO.
- Meyer, Douglas A. and Shafer, Timothy J. (2006). Permethrin, but not deltamethrin, increases spontaneous glutamate release from hippocampal neurons in culture. *NeuroToxicology* 27: 594-603.
Chem Codes: Chemical of Concern: CPMR Code: IN VITRO.
- Michelangeli, F., Robson, M. J., East, J. M., and Lee, A. G. (1990-). The conformation of pyrethroids bound to lipid bilayers. *Biochimica et Biophysica Acta (BBA) - Biomembranes* 1028: 49-57.
Chem Codes: Chemical of Concern: CPMR Code: CHEM METHODS.
- Mills, M. (Practice Makes Perfect. Scabies. *Emerg Nurse*. 2008, May; 16(2):18-9. [Emergency nurse : the journal of the RCN Accident and Emergency Nursing Association].
Chem Codes: Chemical of Concern: CPMR Code: HUMAN HEALTH.
- Miranda, K., Cunha, M. L., Dores, E. F., and Calheiros, D. F. (2008). Pesticide Residues in River Sediments From the Pantanal Wetland, Brazil. *J Environ Sci Health B*. 2008, Nov [Journal of environmental science and health Part. B, Pesticides, food contaminants, and agricultural wastes] 43: 717-722 .
Chem Codes: Chemical of Concern: CPMR Code: FATE.
- Miyagi, I., Toma, T., Zayas, N., and Takashita, Y. (1994). Insecticide Susceptibility of *Culex quinquefasciatus* Larvae (Diptera: Culicidae) in Okinawa Prefecture, Japan in 1989. *Jpn.J.Sanit.Zool*. 45: 7-11.
Chem Codes: Chemical of Concern: DZ,MLN,PMR,TMP,PPX Code: NO DURATION.
- Mohammad, A. and Najar, M. (Application of Planar Layer Liquid Chromatography in the Analysis of Water Samples for Heavy Metals and Pesticide Residues. *INDIAN JOURNAL OF ENVIRONMENTAL HEALTH*; 39 (2). 1997. 120-129.
Chem Codes: Chemical of Concern: CPMR Code: CHEM METHODS.
- Molinari, G., Soloneski, S., Reigosa, M. A., and Larramendy, M. L. (2009-). In vitro genotoxic and cytotoxic effects of ivermectin and its formulation ivomec® on Chinese hamster ovary (CHOK1) cells. *Journal of Hazardous Materials* 165: 1074-1082.
Chem Codes: Chemical of Concern: CPMR Code: IN VITRO.
- Moore, M. T., Denton, D. L., Cooper, C. M., Wrynski, J., Miller, J. L., Reece, K., Crane, D., and Robins, P. (2008). Mitigation Assessment of Vegetated Drainage Ditches for Collecting Irrigation Runoff in California. *J Environ Qual* 37: :486-93.
Chem Codes: Chemical of Concern: CPMR Code: CHEM METHODS.
- Moore, M. T., KrÖml, Ger, R., Cooper, C. M., and Smith, S. Jr (2009). Ability of Four Emergent Macrophytes to Remediate Permethrin in Mesocosm Experiments. *Arch Environ Contam Toxicol* 57: 282-8.
Chem Codes: Chemical of Concern: CPMR Code: NO EFFECT.
- Moorhouse, K. G., Hutson, D. H., and Dodds, P. F. (1989). Activation of Protein Kinase C by an Aromatic Xenobiotic Diacylglycerol Analogue. *FEBS Lett*. 256: 43-46.
Chem Codes: Chemical of Concern: PBA Code: IN VITRO.
- Morgan, M. K., Sheldon, L. S., Croghan, C. W., Jones, P. A., Chuang, J. C., and Wilson, N. K. (2007). An Observational Study of 127 Preschool Children at Their Homes and Daycare Centers in Ohio: Environmental Pathways to Cis- and Trans-Permethrin Exposure. *Environ Res* 104: :266-74.
Chem Codes: Chemical of Concern: CPMR Code: HUMAN HEALTH.
- Moriya, M., Ohta, T., Watanabe, K., Miyazawa, T., Kato, K., and Shirasu, Y. (1983). Further mutagenicity studies

- on pesticides in bacterial reversion assay systems. *Mutation Research/Genetic Toxicology* 116: 185-216.
Chem Codes: Chemical of Concern: CPMR Code: BACTERIA.
- Morton, Neil (1982). The []Electrodyn' sprayer: first studies of spray coverage in cotton. *Crop Protection* 1: 27-54.
Chem Codes: Chemical of Concern: CPMR Code: METHODS.
- Mounsey, K. E., Holt, D. C., Mccarthy, J., Currie, B. J., and Walton, S. F. (Scabies: Molecular Perspectives and Therapeutic Implications in the Face of Emerging Drug Resistance. *Future Microbiol.* 2008, Feb; 3(1):57-66. [*Future microbiology*].
Chem Codes: Chemical of Concern: CPMR Code: HUMAN HEALTH.
- Moya-Quiles, María Rosa, Muñoz-Delgado, Encarnación, and Vidal, Cecilio J. (1996-). Effects of the pyrethroid insecticide permethrin on membrane fluidity. *Chemistry and Physics of Lipids* 79: 21-28.
Chem Codes: Chemical of Concern: CPMR Code: IN VITRO.
- Mullin, C. A., Matsumura, F., and Croft, B. A. (1984). Epoxide forming and degrading enzymes in the spider mite, *Tetranychus urticae*. *Comparative Biochemistry and Physiology Part C: Comparative Pharmacology* 79: 85-92.
Chem Codes: Chemical of Concern: CPMR Code: NO EFFECT.
- Mumcuoglu, K. Y. and Gilead, L. (Treatment of Scabies Infestations. *Parasite.* 2008, Sep; 15(3):248-51. [*Parasite (Paris, France)*].
Chem Codes: Chemical of Concern: CPMR Code: HUMAN HEALTH.
- Munn, M. D. and Gruber, S. J. (The Relationship Between Land Use and Organochlorine Compounds in Streambed Sediment and Fish in the Central Columbia Plateau, Washington and Idaho, Usa. *ENVIRONMENTAL TOXICOLOGY AND CHEMISTRY*; 16 (9). 1997. 1877-1887.
Chem Codes: Chemical of Concern: CPMR Code: SURVEY.
- Naeher, L. P., Barr, D. B., Rithmire, N., Edwards, J., Holmes, A. K., Needham, L. L., and Rubin, C. S. (Pesticide Exposure Resulting From Treatment of Lice Infestation in School-Aged Children in Georgia. *Environ Int.* 2009, Feb; 35(2):358-62. [*Environment international*].
Chem Codes: Chemical of Concern: CPMR Code: HUMAN HEALTH.
- Nair, K. P. P. (2006). The Agronomy and Economy of Cardamom (*Elettaria cardamomum* M.): The "Queen of Spices". 179-471.
Chem Codes: Chemical of Concern: CPMR Code: REVIEW.
- Nakagawa, Shoji, Okajima, Nobuyuki, Kitahaba, Tetsuo, Nishimura, Keiichiro, Fujita, Toshio, and Nakajima, Minoru (1982). Quantitative structure-activity studies of substituted benzyl chrysanthemates : 1. Correlations between symptomatic and neurophysiological activities against American cockroaches. *Pesticide Biochemistry and Physiology* 17: 243-258.
Chem Codes: Chemical of Concern: CPMR Code: NO EXP TYPE.
- Namazi, M. R. (The Potential Utility of Indomethacin in Enhancing the Pediculocidal Activity of Permethrin, Pyrethrins, and Ddt. *Med Hypotheses.* 2008, Oct; 71(4):607-8. [*Medical hypotheses*].
Chem Codes: Chemical of Concern: CPMR,PMR,DDT Code: HUMAN HEALTH.
- Narahashi, T. (Neuronal Ion Channels as the Target Sites of Insecticides. *PHARMACOLOGY & TOXICOLOGY*; 79 (1). 1996. 1-14.
Chem Codes: Chemical of Concern: CPMR Code: REVIEW.
- Narahashi, Toshio (2001). Neurophysiological Effects of Insecticides. 335-351.
Chem Codes: Chemical of Concern: CPMR Code: REVIEW.

- Naranjo, Steven E. and Ellsworth, Peter C. (The contribution of conservation biological control to integrated control of Bemisia tabaci in cotton. *Biological Control* In Press, Corrected Proof.
Chem Codes : Chemical of Concern: CPMR Code: NO SOURCE.
- Nasuti, Cinzia, Cantalamessa, Franco, Daly, Craig J., and McGrath, John C. (2007). Alterations in rabbit aorta induced by types I and II pyrethroids. *Environmental Toxicology and Pharmacology* 23: 250-253.
Chem Codes: Chemical of Concern: CPMR,CYP Code: IN VITRO.
- Navas Diaz a, Garcia Sanchez F, and Garcia Pareja a (Resolution of Deltamethrin, Permethrin, and Cypermethrin Enantiomers by High-Performance Liquid Chromatography With Diode-Laser Polarimetric Detection. *JOURNAL OF CHROMATOGRAPHIC SCIENCE*; 36 (4). 1998. 210-216.
Chem Codes: Chemical of Concern: CPMR Code: CHEM METHODS.
- Neal, Colin, Hilton, John, Wade, Andrew J., Neal, Margaret, and Wickham, Heather (2006-). Chlorophyll-a in the rivers of eastern England. *Science of The Total Environment* 365: 84-104.
Chem Codes: Chemical of Concern: CPMR Code: SURVEY.
- Neal, Colin, House, William A., Whitton, Brian A., and Leeks, Graham J. L. (1998-). Conclusions to special issue: Water quality and biology of United Kingdom rivers entering the North Sea: The Land Ocean Interaction Study (LOIS) and associated work. *Science of The Total Environment* 210-211: 585-594.
Chem Codes: Chemical of Concern: CPMR Code: FATE.
- Nealon, M. and Findlay, J. (Pesticide Resistant Head Lice. Interview by Jennifer Ford. *Adv Nurse Pract.* 2008, Aug; 16(8):53-5. [Advance for nurse practitioners].
Chem Codes: Chemical of Concern: CPMR Code: HUMAN HEALTH.
- Nikolov, N. and Davidkova, L. (1994). Effect of Some Pesticides on the Mesobionts in Maize Canopies. Collembola. *Plant Sci.(Rasteniievud.Nauki)* 31: 91-94 (RUS) (ENG ABS).
Chem Codes: Chemical of Concern: CPY,PFF,FNT,MTM,ES,PMR,ACP Code: NON-ENGLISH.
- Nishimura, K. and Narahashi, T. (1978). Structure-Activity Relationships of Pyrethroids Based on Direct Action on Nerve. *Pestic.Biochem.Physiol.* 8: 53-64.
Chem Codes: Chemical of Concern: BRSM,PMR,ATN,TMT,SMT Code: IN VITRO/NO DURATION.
- Nishimura, Keiichiro and Narahashi, Toshio (1978). Structure-activity relationships of pyrethroids based on direct action on nerve. *Pesticide Biochemistry and Physiology* 8: 53-64.
Chem Codes: Chemical of Concern: CPMR Code: IN VITRO.
- Nolan, James (1985). Mechanisms of resistance to chemicals in arthropod parasites of veterinary importance. *Veterinary Parasitology* 18: 155-166.
Chem Codes: Chemical of Concern: CPMR Code: REVIEW.
- Nolting, H. G., Siebers, J., and Koehle, H. (Pyrethroids. *THIER, H.-P. AND J. KIRCHHOFF (ED.). MANUAL OF PESTICIDE RESIDUE ANALYSIS, VOL. 2. XVI+483P. VCH VERLAGSGESELLSCHAFT MBH: WEINHEIM, GERMANY; VCH PUBLISHERS, INC.: NEW YORK, NEW YORK, USA. ISBN 3-527-27017-5; ISBN 0-89573-957-7.; 0 (0). 1992. 333-342.*
Chem Codes: Chemical of Concern: CPMR Code: CHEM METHODS,FOOD.
- Noort, D. (Feasibility of Biomonitoring of Exposure to Permethrin Through Analysis of Long-Lived (Metabolite) Adducts to Proteins. *Govt Reports Announcements & Index (GRA&I), Issue 22, 2009.*
Chem Codes: Chemical of Concern: CPMR Code: NO EFFECT.
- Noort, D., Van Zuylen, A., Fidder, A., Van Ommen, B., and Hulst, A. G. (Protein Adduct Formation by Glucuronide Metabolites of Permethrin. *Chem Res Toxicol.* 2008, Jul; 21(7):1396-406. [Chemical research in toxicology].

- Chem Codes: Chemical of Concern: CPMR Code: CHEM METHODS,HUMAN HEALTH.
- O'Malley, Michael (2001). Regulatory Evaluation of the Skin Effects of Pesticides. 299-333.
Chem Codes: Chemical of Concern: CPMR Code: HUMAN HEALTH.
- Oakeshott, J. G., Claudianos, C., Campbell, P. M., Newcomb, R. D., and Russell, R. J. (2005). Biochemical Genetics and Genomics of Insect Esterases. 309-381.
Chem Codes: Chemical of Concern: CPMR Code: NO TOXICANT.
- Ohnishi, T., Yoshida, T., Igarashi, A., Muroi, M., and Tanamoto, K. (2008). Effects of Possible Endocrine Disruptors on MyD88-Independent TLR4 Signaling. *FEMS Immunol.Med.Microbiol.* 52: 293-295.
Chem Codes: Chemical of Concern:
TFN,Ziram,MLN,MOM,MXC,MBZ,PCP,PMR,SZ,ADC,AMTL,ATZ,BMY,CBL,24D,24DC,PHTH,VCZ,
TDC Code : IN VITRO.
- Ohnishi, T., Yoshida, T., Igarashi, A., Muroi, M., and Tanamoto, K. (Effects of Possible Endocrine Disruptors on Myd88-Independent Tlr4 Signaling. *FEMS Immunol Med Microbiol.* 2008, Mar; 52(2):293-5. [*FEMS immunology and medical microbiology*].
Chem Codes: Chemical of Concern: CPMR Code: IN VITRO.
- Okoye, P. N., Brooke, B. D., Koekemoer, L. L., Hunt, R. H., and Coetzee, M. (Inheritance of Pyrethroid Resistance in the Major Malaria Vector in Southern Africa, Anopheles Funestus. *Ann Trop Med Parasitol.* 2008, Apr; 102(3):275-81. [*Annals of tropical medicine and parasitology*].
Chem Codes: Chemical of Concern: CPMR Code: REVIEW.
- Olgun, Selen, Gogal, Robert M., Adeshina, Femi, Choudhury, Harlal, and Misra, Hara P. (2004-). Pesticide mixtures potentiate the toxicity in murine thymocytes. *Toxicology* 196: 181-195.
Chem Codes: Chemical of Concern: CPMR Code: IN VITRO.
- Ollroge, Inga (1999). Threshold Values and Recommendations. 1201-1229.
Chem Codes: Chemical of Concern: CPMR Code: REVIEW.
- Omatsu, M., Nishimura, K., and Fujita, T. (1985). Quantitative Structure-Activity Studies of Substituted Benzyl Chrysanthemates. 7. Relationship Between Induction of Repetitive Discharges and Effects on the Action Potential. *Pestic.Biochem.Physiol.* 24: 192-199.
Chem Codes: Chemical of Concern: TMT,RSM,PTR,PMR,ATN Code: IN VITRO.
- Omatsu, M., Nishimura, K., and Fujita, T. (1986). Quantitative Structure-Activity Studies of Substituted Benzyl Chrysanthemates. 8. Physicochemical Properties and Neurophysiological Effects on Membrane Potentials of Crayfish Giant Axon. *Pestic.Biochem.Physiol.* 25: 288-294.
Chem Codes: Chemical of Concern: TMT,RSM,PTR,PMR,ATN Code: IN VITRO/QSAR.
- Otranto, D., Paradies, P., Testini, G., Latrofa, M. S., Weigl, S., Cantacessi, C., Mencke, N., De Caprariis, D., Parisi, A., Capelli, G., and Stanneck, D. (Application of 10% Imidacloprid/50% Permethrin to Prevent Ehrlichia Canis Exposure in Dogs Under Natural Conditions. *Vet Parasitol.* 2008, May 31; 153(3-4):320-8. [*Veterinary parasitology*].
Chem Codes: Chemical of Concern: CPMR Code: MIXTURE.
- Page, B. D. and Lacroix, G. (Application of Solid-Phase Microextraction to the Headspace Gas Chromatographic Analysis of Semi-Volatile Organochlorine Contaminants in Aqueous Matrices. *JOURNAL OF CHROMATOGRAPHY A*; 757 (1-2). 1997. 173-182.
Chem Codes: Chemical of Concern: CPMR Code: CHEM METHODS.
- Page, Stephen W. (2008). Antiparasitic drugs. 198-260.
Chem Codes: Chemical of Concern: CPMR Code: HUMAN HEALTH.

- Page, Stephen W. and Maddison, Jill E. (2008). Principles of clinical pharmacology. 1-26.
Chem Codes: Chemical of Concern: CPMR Code: HUMAN HEALTH.
- Panuwet, P., Prapamontol, T., Chantara, S., and Barr, D. B. (Urinary Pesticide Metabolites in School Students From Northern Thailand. *Int J Hyg Environ Health*. 2009, May; 212(3):288-97. [*International journal of hygiene and environmental health*].
Chem Codes: Chemical of Concern: CPMR Code: HUMAN HEALTH.
- Panuwet, Parinya, Prapamontol, Tippawan, Chantara, Somporn, Thavornyuthikarn, Prasak, Montesano, M. Angela, Whitehead, Jr, and Barr, Dana B. (2008-). Concentrations of urinary pesticide metabolites in small-scale farmers in Chiang Mai Province, Thailand. *Science of The Total Environment* 407: 655-668.
Chem Codes: Chemical of Concern: CPMR Code: HUMAN HEALTH.
- Papadopoulou-Mourkidou, E. (1983). Analysis of Established Pyrethroid Insecticides. *Res.Rev.* 89: 179-208.
Chem Codes: EcoReference No.: 38247
 Chemical of Concern:
 DM,ATN,PYN,ATN,SBA,BRSM,TMT,CYP,DM,PMR,PPB,HOS,MGK,CHRY,CTC,FNV,RSM,SMT
Code: REVIEW.
- Papadopoulou-Mourkidou, E. and Patsias, J. (Development of a Semi-Automated High-Performance Liquid Chromatographic-Diode Array Detection System for Screening Pesticides at Trace Levels in Aquatic Systems of the Axios River Basin. *JOURNAL OF CHROMATOGRAPHY A*; 726 (1-2). 1996. 99-113.
Chem Codes: Chemical of Concern: CPMR Code: CHEM METHODS.
- Patsias, J. and Papadopoulou-Mourkidou, E. (Rapid Method for the Analysis of a Variety of Chemical Classes of Pesticides in **Surface and Ground Waters** by Off-Line Solid-Phase Extraction and Gas Chromatography-Ion Trap Mass Spectrometry. *JOURNAL OF CHROMATOGRAPHY A*; 740 (1). 1996. 83-98.
Chem Codes: Chemical of Concern: CPMR Code: CHEM METHODS.
- Penalver, A., Pocurull, E., Borrull, F., and Marce, R. M. (Trends in Solid-Phase Microextraction for Determining Organic Pollutants in Environmental Samples. *TRENDS IN ANALYTICAL CHEMISTRY*; 18 (8). 1999. 557-568.
Chem Codes: Chemical of Concern: CPMR Code: CHEM METHODS.
- Peters, Paul and Schaefer, Christof (2007). Dermatological medication and local therapeutics. 441-466.
Chem Codes: Chemical of Concern: CPMR Code: HUMAN HEALTH.
- Petty, J. D., Huckins, J. N., Alvarez, D. A., Brumbaugh, W. G., Cranor, W. L., Gale, R. W., Rastall, A. C., Jones-Lepp, T. L., Leiker, T. J. , Rostad, C. E., and Furlong, E. T. (2004). A holistic passive integrative sampling approach for assessing the presence and potential impacts of waterborne environmental contaminants. *Chemosphere* 54: 695-705.
Chem Codes: Chemical of Concern: CPMR Code: CHEM METHODS,FATE.
- Phillips, B. M., Anderson, B. S., Hunt, J. W., Huntley, S. A., Tjeerdema, R. S., Kapellas, N., and Worcester, K. (2006). Solid-Phase Sediment Toxicity Identification Evaluation in an Agricultural Stream. *Environ.Toxicol.Chem.* 25: 1671-1676.
Chem Codes: Chemical of Concern: DDT,DCPA,FNV,EFV,PMR,CPY Code: MIXTURE/SEDIMENT CONC.
- Pittendrigh, Barry R., Margam, Venu M., Sun, Lijie, and Huesing, Joseph E. (2007). Resistance in the Post-Genomics Age. 39-68.
Chem Codes: Chemical of Concern: CPMR Code: NO TOXICANT.
- Pizzutti, I. R., Vreuls, R. J., De Kok, A., Roehrs, R., Martel, S., Friggi, C. A., and Zanella, R. (2009). Design of a Compressed Air Modulator to Be Used in Comprehensive Multidimensional Gas Chromatography and Its

- Application in the Determination of Pesticide Residues in Grapes. *J Chromatogr A*. 2009, Apr 10 [Journal of chromatography A] 1216: 3305-11 .
Chem Codes: Chemical of Concern: CPMR Code: FOOD.
- Plimmer, Jack R. (2001). Chemistry of Pesticides. 95-107.
Chem Codes: Chemical of Concern: CPMR Code: CHEM METHODS.
- Poliak, M., Fialkov, A. B., and Amirav, A. (:108-14 [Journal of chromatography). Pulsed Flow Modulation Two-Dimensional Comprehensive Gas Chromatography-Tandem Mass Spectrometry With Supersonic Molecular Beams. *J Chromatogr A*. 2008, Nov 7 1210 : A].
Chem Codes: Chemical of Concern: CPMR,PMR,DZ Code: CHEM METHODS.
- Prater, M. R., Blaylock, B. L., and Holladay, S. D. (2005-). Combined dermal exposure to permethrin and cis-urocanic acid suppresses the contact hypersensitivity response in C57BL/6N mice in an additive manner. *Journal of Photochemistry and Photobiology B: Biology* 78: 29-34.
Chem Codes: Chemical of Concern: CPMR Code: MIXTURE.
- Qin, S., Budd, R., Bondarenko, S., Liu, W., and Gan, J. (2006). Enantioselective Degradation and Chiral Stability of Pyrethroids in Soil and Sediment. *J Agric Food Chem* 54: 5040-5.
Chem Codes: Chemical of Concern: CPMR Code: FATE.
- Qin, S. and Gan, J. (2006). Enantiomeric Differences in Permethrin Degradation Pathways in Soil and Sediment. *J Agric Food Chem* 54: :9145-51.
Chem Codes: Chemical of Concern: CPMR Code: FATE.
- Raevskii, O. A., Razdol'skii, A. N., Tonkopii, V. D., Iofina, I. V., and Zagrebin, A. O. (2008). Classificatory and Quantitative Models of the Relationship Between the Structures of Chemical Compounds and Their Toxicity for *Daphnia magna*. *Pharm.Chem.J.* 42: 329-334.
Chem Codes: Chemical of Concern:
 PMR,CHT,CYP,FPP,ETHN,MOL,nBUT,PPNOL,AMYCH,AMSV,MCRE,DCA,DMT,DZ,DDVP,MLO,C
 BF,NCTN,PPX,TCF,TEPP,FNT,CPY,ADC,STCH,EGY,CTC,C6OH,3CE,BNZ,2BE,PCP,ATN,DM,RSM,
 FNV,SMT,AN,24DC,PL,PRN,HPT Code: NO CONC/QSAR.
- Ramadan, Adel A., Bakry, Nabila M., Marei, Abdel Salam, Eldefrawi, Amira T., and Eldefrawi, Mohyee E. (1988). Action of pyrethroids on GABAA receptor function. *Pesticide Biochemistry and Physiology* 32: 97-105.
Chem Codes: Chemical of Concern: CPMR Code: IN VITRO.
- Ramadan, Adel A., Bakry, Nabila M., Marei, Abdel Salam, Eldefrawi, Amira T., and Eldefrawi, Mohyee E. (1988). Action of pyrethroids on K⁺-stimulated calcium uptake by, and [3H]nimodipine binding to, rat brain synaptosomes. *Pesticide Biochemistry and Physiology* 32: 114-122.
Chem Codes: Chemical of Concern: CPMR Code: IN VITRO.
- Ramadan, Adel A., Bakry, Nabila M., Marei, Abdel Salam, Eldefrawi, Amira T., and Eldefrawi, Mohyee E. (1988). Actions of pyrethroids on the peripheral benzodiazepine receptor. *Pesticide Biochemistry and Physiology* 32: 106-113.
Chem Codes: Chemical of Concern: CPMR Code: IN VITRO.
- Ran, Yingqing, He, Yan, Yang, Gang, Johnson, Jennifer L. H., and Yalkowsky, Samuel H. (2002). Estimation of aqueous solubility of organic compounds by using the general solubility equation. *Chemosphere* 48: 487-509.
Chem Codes: Chemical of Concern: CPMR Code: CHEM METHODS.
- Rashatwar, Subhash S. and Matsumura, Fumio (1985-). Interaction of DDT and pyrethroids with calmodulin and its significance in the expression of enzyme activities of phosphodiesterase. *Biochemical Pharmacology* 34: 1689-1694.

- Chem Codes: Chemical of Concern: CPMR Code: IN VITRO.
- Ray, David E. (2005). Pyrethrins/Pyrethroids. 574-579.
Chem Codes: Chemical of Concern: CPMR Code: REVIEW.
- Ray, David E. (2001). Pyrethroid Insecticides: Mechanisms of Toxicity, Systemic Poisoning Syndromes, Paresthesia, and Therapy. 1289-1303.
Chem Codes: Chemical of Concern: CPMR Code: REVIEW.
- Reitz, S. R., Kund, G. S., Carson, W. G., Phillips, P. A., and Trumble, J. T. (1999). Economics of Reducing Insecticide Use on Celery Through Low-Input Pest Management Strategies. *Agric.Ecosyst.Environ.* 73: 185-197.
Chem Codes: Chemical of Concern: MOM,PMR,SS,ABM,TUZ Code: MIXTURE.
- Richter, A., Davies, D. E., and Alexander, P. (1995-). Growth inhibitory effects of FK506 and cyclosporin A independent of inhibition of calcineurin. *Biochemical Pharmacology* 49: 367-373.
Chem Codes: Chemical of Concern: CPMR Code: HUMAN HEALTH,IN VITRO .
- Riederer, A. M., Bartell, S. M., Barr, D. B., and Ryan, P. B. (Diet and Nondiet Predictors of Urinary 3-Phenoxybenzoic Acid in Nhanes 1999-2002. *Environ Health Perspect.* 2008, Aug; 116(8):1015-22. [Environmental health perspectives].
Chem Codes: Chemical of Concern: CPMR Code: HUMAN HEALTH.
- Riley, D. G. and Schuster, D. J. (1992). The Occurrence of *Catolaccus hunteri*, a Parasitoid of *Anthonomus eugenii*, in Insecticide Treated Bell Pepper. *Southwest.Entomol.* 17: 71-72.
Chem Codes: Chemical of Concern: PMR,OML Code: NO DURATION.
- Rodriguez, M., Ortiz, E., Bisset, J. A., Hemingway, J., and Saledo, E. (1993). Changes in Malathion and Pyrethroid Resistance After Cypermethrin Selection of *Culex quinquefasciatus* Field Populations of Cuba. *Med.Vet.Entomol.* 7: 117-121.
Chem Codes: Chemical of Concern: MLN,PMR,CYP Code: NO CONC.
- Rogers, H. R., Campbell, J. A., Crathorne, B., and Dobbs, A. J. (The Occurrence of Chlorobenzenes and Permethrins in Twelve Uk Sewage Sludges. *WATER RES*; 23 (7). 1989. 913-922.
Chem Codes: Chemical of Concern: CPMR Code: FATE.
- Rogers, Howard R. (1996-). Sources, behaviour and fate of organic contaminants during sewage treatment and in sewage sludges. *Science of The Total Environment* 185: 3-26.
Chem Codes: Chemical of Concern: CPMR Code: FATE.
- Roinestad, K. S., Louis, J. B., and Rosen, J. D. (Determination of Pesticides in Indoor Air and Dust. *JOURNAL OF AOAC INTERNATIONAL*; 76 (5). 1993. 1121-1126.
Chem Codes: Chemical of Concern: CPMR Code: CHEM METHODS,HUMAN HEALTH.
- Roldan-Tapia, Lola, Nieto-Escamez, Francisco A., del Aguila, Eva M., Laynez, Francisco, Parron, Tesifon, and Sanchez-Santed, Fernando (1911). Neuropsychological sequelae from acute poisoning and long-term exposure to carbamate and organophosphate pesticides. *Neurotoxicology and Teratology* 28: 694-703.
Chem Codes: Chemical of Concern: CPMR Code: HUMAN HEALTH.
- Rose, Randy L., Hodgson, Ernest, and Roe, R. Michael (1999). Pesticides. 663-697.
Chem Codes: Chemical of Concern: CPMR Code: REVIEW.
- Ross, M. K., Borazjani, A., Edwards, C. C., and Potter, P. M. (2006). Hydrolytic Metabolism of Pyrethroids by Human and Other Mammalian Carboxylesterases. *Biochem Pharmacol* 71: 657-69.
Chem Codes: Chemical of Concern: CPMR Code: IN VITRO,NO EFFECT.

- Roszbach, Bernd, Appel, Klaus E., Mross, Klaus G., and Letzel, Stephan (Uptake of permethrin from impregnated clothing. *Toxicology Letters* In Press, Corrected Proof.
Chem Codes: Chemical of Concern: CPMR Code: HUMAN HEALTH.
- Royer, M., Latre, C. M., Paul, C., Mazereeuw-Hautier, J., SociÉ, TÉ, FranÇ, Aise De Dermatologie PÉ, and Diatrique ([Infantile Scabies]. *Ann Dermatol Venereol.* 2008, Dec; 135(12):876-81; quiz 875. [*Annales de dermatologie et de venerologie*].
Chem Codes: Chemical of Concern: CPMR Code: NON-ENGLISH,HUMAN HEALTH.
- Rubin, Jared G. and Soderlund, David M. (1993). Binding of [3H]batrachotoxinin A-20-[alpha]-benzoate and [3h]saxitoxin to receptor sites associated with sodium channels in trout brain synaptoneurosome.
Comparative Biochemistry and Physiology Part C: Comparative Pharmacology 105: 231-238.
Chem Codes: Chemical of Concern: CPMR Code: IN VITRO.
- Ruelle, Paul (2000). The n-octanol and n-hexane/water partition coefficient of environmentally relevant chemicals predicted from the mobile order and disorder (MOD) thermodynamics. *Chemosphere* 40: 457-512.
Chem Codes: Chemical of Concern: CPMR Code: CHEM METHODS.
- Rusiecki, J. A., Patel, R., Koutros, S., Beane-Freeman, L., Landgren, O., Bonner, M. R., Coble, J., Lubin, J., Blair, A., Hoppin, J. A., and Alavanja, M. C. (Cancer Incidence Among Pesticide Applicators Exposed to Permethrin in the Agricultural Health Study. *Environ Health Perspect.* 2009, Apr; 117(4):581-6. [*Environmental health perspectives*].
Chem Codes: Chemical of Concern: CPMR Code: HUMAN HEALTH.
- Ruzo, L. O. and Casida, J. E. (1977). Metabolism and Toxicology of Pyrethroids with Dihalovinyl Substituents. *Environ.Health Perspect.* 21: 285-292.
Chem Codes: Chemical of Concern: PYT,CF,CHRY,PPB,DM,PMR,RSM,DDT,PYN,ATN,SMT Code: REFS CHECKED/REVIEW.
- Saka, M., Iijima, K., Odanaka, Y., and Kato, Y. (Supercritical Fluid Extraction of Pesticides in Fruits and Vegetables: Application of New Polymer Absorbent. *JOURNAL OF PESTICIDE SCIENCE*; 23 (4). 1998. 414-418.
Chem Codes: Chemical of Concern: CPMR Code: CHEM METHODS.
- Salgado, Vincent L., Irving, Stephen N., and Miller, T. A. (1983). The importance of nerve terminal depolarization in pyrethroid poisoning of insects. *Pesticide Biochemistry and Physiology* 20: 169-182.
Chem Codes: Chemical of Concern: CPMR Code: IN VITRO.
- Salvado, V., Quintana, X. D., and Hidalgo, M. (2006). Monitoring of Nutrients, Pesticides, and Metals in Waters, Sediments, and Fish of a Wetland. *Arch.Environ.Contam.Toxicol.* 51: 377-386.
Chem Codes: Chemical of Concern: Pb,Cr,Cd,Ni,Cu,SZ,ATZ,PMR,EN,AND,HCCH,DDT,DLD Code: NO DURATION/SURVEY.
- Sattelle, David B. (1990). GABA Receptors of Insects. 1-113.
Chem Codes: Chemical of Concern: CPMR Code: REVIEW.
- Sattelle, David B. and Yamamoto, Daisuke (1988). Molecular Targets of Pyrethroid Insecticides. 147-213.
Chem Codes: Chemical of Concern: CPMR Code: CHEM METHODS.
- Sauvant, N. P., Pepin, D., and Piccinni, E. (1999). Tetrahymena pyriformis: A tool for toxicological studies. A review. *Chemosphere* 38: 1631-1669 .
Chem Codes: Chemical of Concern: CPMR Code: REVIEW.
- Sayaboc, P. D., Gibe, A. J. G., Acda, M. A., Gragasín, M. C. B., Villanueva, R. R., and Prudente, A. D. Jr. (1998). The Efficacy of Insecticide Mixtures for the Protection of Maize in Storage. *Asia Life Sci.* 7: 149-156.

- Chem Codes : Chemical of Concern: DM,PIRM,PMR,PPB,FNT,FNV Code: MIXTURE.
- Schettgen, Thomas, Heudorf, Ursel, Drexler, Hans , and Angerer, Jnrger (2002-). Pyrethroid exposure of the general population--is this due to diet. *Toxicology Letters* 134: 141-145.
Chem Codes: Chemical of Concern: CPMR Code: HUMAN HEALTH.
- Schlenk, Daniel (2005). Chapter 6 Pesticide biotransformation in fish. 171-190.
Chem Codes: Chemical of Concern: CPMR Code: NO EFFECT.
- Schulz, R. (2004). Field Studies on Exposure, Effects, and Risk Mitigation of Aquatic Nonpoint-Source Insecticide Pollution: A Review. *J.Environ.Qual.* 33: 419-448.
Chem Codes: EcoReference No.: 85455
Chemical of Concern:
ADL,AZ,CBL,CBF,CYP,CM,DZ,DDVP,DCF,DL,D,DMT,DS,ES,ETN,FNT,FNTH,FNV,HCCH,MLN,M
DT,OML,OXD,EPRN,MP,PMR,PIM,TBO,TBC,TXP,TCF Code: REFS CHECKED/REVIEW.
- Scollon, E. J., Starr, J. M., Godin, S. J., Devito, M. J., and Hughes, M. F. (2009). In Vitro Metabolism of Pyrethroid Pesticides by Rat and Human Hepatic Microsomes and Cytochrome P450 Isoforms. *Drug Metab Dispos* 37: :221-8.
Chem Codes: Chemical of Concern: CPMR Code: IN VITRO.
- Scott, Danny W., Miller, Jr, and Griffin, Craig E. (2001). Skin Immune System and Allergic Skin Diseases. 543-666.
Chem Codes: Chemical of Concern: CPMR Code: HUMAN HEALTH.
- Scott, J. G. and Dong, K. (1994). Kdr-Type Resistance in Insects with Special Reference to the German Cockroach, *Blattella germanica*. *Comp.Biochem.Physiol.B* 191-198.
Chem Codes: Chemical of Concern: DDT,PMR Code: NO TOX DATA.
- Scott, Jeffrey G. (1999). Cytochromes P450 and insecticide resistance. *Insect Biochemistry and Molecular Biology* 29: 757-777.
Chem Codes: Chemical of Concern: CPMR Code: REVIEW.
- Scott, Jeffrey G., Liu, Nannan, and Wen, Zhimou (1998-). Insect cytochromes P450: diversity, insecticide resistance and tolerance to plant toxins. *Comparative Biochemistry and Physiology Part C: Pharmacology, Toxicology and Endocrinology* 121: 147-155.
Chem Codes: Chemical of Concern: CPMR Code: REVIEW.
- Scott, Jeffrey G., Liu, Nannan, Wen, Zhimou, Smith, Frank F., Kasai, Shinji, and Horak, Christine E. (1999-). House-fly cytochrome P450 CYP6D1: 5' flanking sequences and comparison of alleles. *Gene* 226: 347-353.
Chem Codes: Chemical of Concern: CPMR Code: NO TOXICANT.
- Sereda, B., Bouwman, H., and Kylin, H. (2009). Comparing Water, Bovine Milk, and Indoor Residual Spraying as Possible Sources of Ddt and Pyrethroid Residues in Breast Milk. *J Toxicol Environ Health A. 2009 [Journal of toxicology and environmental health Part A]* 72: 842-51.
Chem Codes: Chemical of Concern: CPMR Code: HUMAN HEALTH.
- Shafer, T. J., Rijal, S. O., and Gross, G. W. (2008). Complete inhibition of spontaneous activity in neuronal networks in vitro by deltamethrin and permethrin. *NeuroToxicology* 29: 203-212.
Chem Codes: Chemical of Concern: CPMR,DM Code: IN VITRO.
- Shafer, Timothy J. and Meyer, Douglas A. (2004-). Effects of pyrethroids on voltage-sensitive calcium channels: a critical evaluation of strengths, weaknesses, data needs, and relationship to assessment of cumulative neurotoxicity. *Toxicology and Applied Pharmacology* 196: 303-318.

- Chem Codes: Chemical of Concern: CPMR Code: IN VITRO.
- Shan, Guomin and Hammock, Bruce D. (2001-). Development of Sensitive Esterase Assays Based on [alpha]-Cyano-Containing Esters. *Analytical Biochemistry* 299: 54-62.
Chem Codes: Chemical of Concern: CPMR Code: CHEM METHODS.
- Sharom, M. S. and Solomon, K. R. (1981). Adsorption and Desorption of Permethrin and Other Pesticides on Glass and Plastic Materials Used in Bioassay Procedures. *Can.J.Fish Aquat.Sci.* 38: 199-204.
Chem Codes: Chemical of Concern: PMR Code: FATE/NO SPECIES.
- Sharom, Mohamed S. and Solomon, Keith R. (1982). The influence of adsorption on glass, pH and temperature on the disappearance of permethrin in aqueous systems. *Environmental Pollution Series B, Chemical and Physical* 4: 269-279.
Chem Codes: Chemical of Concern: CPMR Code: CHEM METHODS,FATE.
- Sheets, L. P. (2000). A Consideration of Age-Dependent Differences in Susceptibility to Organophosphorus and Pyrethroid Insecticides. *Neurotoxicology* 21: 57-63.
Chem Codes: Chemical of Concern: TBF,OXD,FMP,CMPH,DM,PMR,CYP Code: REFS CHECKED/REVIEW.
- Shepley, J. D., Byrne, K. M., and Shaw, T. (1980). Mothproofing of Wool with Permethrin: Industrial, Environmental and Toxicological Aspects. In: *Proc.6th Quinquennial International Wool Textile Research Conference, Pretoria, South Africa* 5: 409-429.
Chem Codes: Chemical of Concern: PMR Code: EFFLUENT/NO CONC.
- Shibata, A., Saito, T., and Miyata, T. (1983). Toxicity of Some Synthetic Pyrethroids and Carbosulfan to the Rice Water Weevil. *Jpn.J.Appl.Entomol.Zool.(Nippon Oyo Dobutsu Konchu Gakkaishi)* 27: 233-236 (JPN) (ENG ABS).
Chem Codes: Chemical of Concern: FNT,FPP,SMT,CHT,CYP,PMR,FNV Code: NON-ENGLISH.
- Shono, T., Ohsawa, K., and Casida, J. E. (Metabolism of Trans- and Cis-Cypermethrin, and Decamethrin by Microsomal Enzymes. *J. Agric. Food Chem.* 27(3): 316-325 1979 (21 References).
Chem Codes: Chemical of Concern: CPMR Code: IN VITRO,NO EFFECT.
- Simon, Kalmál, Boros, Irén, Balogh, Gyula, Hidasi, György, Fogassy, Elemér, Faigl, Ferenc, and -cs, Mária (1987). Effect of molecular structure on stereoselectivity during the hydrolysis of diastereoisomeric permethrinic acid esters. *Journal of Molecular Structure* 161: 111-123.
Chem Codes: Chemical of Concern: CPMR Code: CHEM METHODS.
- Simwat, G. S. and Dhawan, A. K. (1993). Effect of Insecticides on Some Yield Contributing Parameters in Asiatic Cotton, *Gossypium arboreum* L. *J.Insect Sci.* 6: 305-306.
Chem Codes: Chemical of Concern: CYP,FNV,PMR,FYT,DM,FVL,PHSL,ES,DDT,FNT,CBL,ACP Code: MIXTURE.
- Singh, K., Ocampo, P., Akhtar, M. H., Kacew, S., and Khan, S. U. (1992). Bioavailability in Rats of Bound Residues Present in Liver and Intestine of Chickens Fed Diet Treated with 3-Phenoxybenzoic Acid. *Chemosphere* 24: 745-752.
Chem Codes: Chemical of Concern: PBA Code: NO EFFECT.
- Skerritt, J. H., Hill, A. S., Mcadam, D. P., and Stanker, L. H. (Analysis of the Synthetic Pyrethroids, Permethrin and 1(R)-Phenothrin, in Grain Using a Monoclonal Antibody-Based Test. *J AGRIC FOOD CHEM*; 40 (7). 1992. 1287-1292.
Chem Codes: Chemical of Concern: CPMR Code: CHEM METHODS.
- Smart, L. E. and Stevenson, J. H. (1982). Laboratory Estimation of Toxicity of Pyrethroid Insecticides to

- Honeybees: Relevance to Hazard in the Field. *Bee World* 63: 150-152.
Chem Codes: Chemical of Concern: PMR,PIM,MLN,DMT,DEM,CYP,FNV,DM,ES,PHSL Code: REFS CHECKED/REVIEW.
- Snow, K. R. (1987). Control of Mosquito Nuisance in Britain. *J.Am.Mosq.Control Assoc.* 3: 271-275.
Chem Codes: Chemical of Concern: MLN,DDT,PIRM,HCCH,DZ,TMT,SMT,BDC,CPYM,PMR Code: REFS CHECKED/REVIEW.
- Snow, K. R. (1986). Mosquito Nuisance and Control in UK. *Environ.Health (Lond.)* 94: 265, 267-268.
Chem Codes: Chemical of Concern: CPYM,PMR,TMT,DZ,HCCH,SMT,DDT Code: NO TOX DATA.
- Soderlund, D. M. (2005). Sodium Channels. 1-24.
Chem Codes: Chemical of Concern: CPMR Code: REVIEW.
- Soderlund, D. M. and Casida, J. E. (Stereospecificity of Pyrethroid Metabolism in Mammals. *Synthetic Pyrethroids ACS Symp. Ser. 42 pp. 173-185 1977 (10 References)*.
Chem Codes: Chemical of Concern: CPMR Code: NO EFFECT.
- Soderlund, D. M. and Knipple, D. C. (2003). The molecular biology of knockdown resistance to pyrethroid insecticides. *Insect Biochemistry and Molecular Biology* 33: 563-577.
Chem Codes: Chemical of Concern: CPMR Code: REVIEW.
- Soderlund, David M., bdel-Aal, Yehia A. I., and Helmuth, Donald W. (1982). Selective inhibition of separate esterases in rat and mouse liver microsomes hydrolyzing malathion, trans-permethrin, and cis-permethrin. *Pesticide Biochemistry and Physiology* 17: 162-169.
Chem Codes: Chemical of Concern: CPMR Code: IN VITRO,NO EFFECT.
- Soderlund, David M. and Casida, John E. (1977). Effects of pyrethroid structure on rates of hydrolysis and oxidation by mouse liver microsomal enzymes. *Pesticide Biochemistry and Physiology* 7: 391-401.
Chem Codes: Chemical of Concern: CPMR Code: IN VITRO,NO EFFECT.
- Soderlund, David M., Clark, John M., Sheets, Larry P., Mullin, Linda S., Piccirillo, Vincent J., Sargent, Dana, Stevens, James T., and Weiner, Myra L. (2002-). Mechanisms of pyrethroid neurotoxicity: implications for cumulative risk assessment. *Toxicology* 171: 3-59.
Chem Codes: Chemical of Concern: CPMR Code: REVIEW.
- Sogorb, Miguel A. and Vilanova, Eugenio (2002-). Enzymes involved in the detoxification of organophosphorus, carbamate and pyrethroid insecticides through hydrolysis. *Toxicology Letters* 128: 215-228.
Chem Codes: Chemical of Concern: CPMR Code: REVIEW.
- Sojo, L. E., Brocke, A., Fillion, J., and Price, S. M. (Application of Activated Carbon Membranes for on-Line Cleanup of Vegetable and Fruit Extracts in the Determination of Pesticide Multiresidues by Gas Chromatography With Mass Selective Detection. *JOURNAL OF CHROMATOGRAPHY A*; 788 (1-2). 1997. 141-154.
Chem Codes: Chemical of Concern: CPMR Code: CHEM METHODS,FOOD.
- Solomon, K. R., Macdonald, S., Surgeoner, G., and Harris, C. R. (Housefly Resistance to Pyrethroids. *PYRETHRUM POST*; 17 (4). 1990. 146-152.
Chem Codes: Chemical of Concern: CPMR Code: REVIEW.
- Speese, J. and Nault, B. A. (1999). Evaluation of Foliar Sprays for European Corn Borer Control in Fall Peppers, 1998. *Arthropod Manag.Tests* 24: 148-149 (E61).
Chem Codes: Chemical of Concern: TUZ,PMR,ACP Code: BENEFICIAL EFFECT.
- Stamer, J. K. and Wiczorek, M. E. (Pesticide Distribution in Surface Water. *AMERICAN WATER WORKS*

- ASSOCIATION JOURNAL*; 88 (11). 1996. 79-87.
Chem Codes: Chemical of Concern: CPMR Code: FATE.
- Starr, J., Graham, S., Stout, D. 2nd, Andrews, K., and Nishioka, M. (Pyrethroid Pesticides and Their Metabolites in Vacuum Cleaner Dust Collected From Homes and Day-Care Centers. *Environ Res.* 2008, Nov; 108(3):271-9. [*Environmental research*].
Chem Codes: Chemical of Concern: CPMR Code: FATE,HUMAN HEALTH.
- Stelzer, Keith J. and Gordon, Michael A. (1986). Effects of calcium on permethrin-phosphatidylserine interactions in model membranes. *Pesticide Biochemistry and Physiology* 25: 82-92.
Chem Codes: Chemical of Concern: CPMR Code: IN VITRO.
- Stelzer, Keith J. and Gordon, Michael A. (1985). Interactions of pyrethroids with phosphatidylcholine bilayers: Comparisons in liposomal systems exhibiting large or small radii of curvature. *Chemico-Biological Interactions* 54: 105-116.
Chem Codes: Chemical of Concern: CPMR Code: IN VITRO.
- Stevens, P. S., Steven, D., Malcolm, C., and Holland, P. T. (1993). Reducing Pesticide Residues on Kiwifruit. *Proc.46th N.Z.Plant Prot.Conf.:* 62-66.
Chem Codes: Chemical of Concern: DZ,PSM,PMR,CPY Code: NO CONC.
- Stimmann, M. W. and Ferguson, M. P. (1990). Potential Pesticide Use Cancellations in California. *Calif.Agric.* 44: 12-16.
Chem Codes: Chemical of Concern:
 CLP,PAQT,MLN,CBF,DU,PRT,Naled,MOM,MDT,ETN,ES,DMT,DZ,CPY,AZ,PPHD,PSM,PMR,PRN,CYP,ACP,TFN,ODZ,LNR,ATZ,ACR,TPM,SZ,PMT,Captan,CTN,Folpet,MZB,Maneb,MEM,Zineb,DDVP,HCCH,BMY,DINO,PNB,TBA,24DXY,MFD,MTL,OYZ Code: NO TOX DATA.
- Stout, D. M. 2nd, Bradham, K. D., Egeghy, P. P., Jones, P. A., Croghan, C. W., Ashley, P. A., Pinzer, E., Friedman, W., Brinkman, M. C., Nishioka, M. G., and Cox, D. C. (American Healthy Homes Survey: a National Study of Residential Pesticides Measured From Floor Wipes. *Environ Sci Technol.* 2009, Jun 15; 43(12):4294-300. [*Environmental science & technology*].
Chem Codes: Chemical of Concern: CPMR Code: FATE,HUMAN HEALTH.
- Struger, John and Fletcher, Tim (2007). Occurrence of Lawn Care and Agricultural Pesticides in the Don River and Humber River Watersheds (1998-2002). *Journal of Great Lakes Research* 33: 887-905.
Chem Codes: Chemical of Concern: CPMR Code: FATE.
- Stueckle, T. A., Griffin, K., and Foran, C. M. (2008). No Acute Toxicity to *Uca Pugnax*, the Mud Fiddler Crab, Following a 96-H Exposure to Sediment-Bound Permethrin. *Environ Toxicol* 23: 530-538.
Chem Codes: Chemical of Concern: CPMR Code: SEDIMENT CONC.
- Sukumaran, Joly, van Gool, Jacqueline, and Hanefeld, Ulf (2005-). Enzymatic hydrolysis and synthesis of chrysanthemic acid esters. *Enzyme and Microbial Technology* 37: 254-260.
Chem Codes: Chemical of Concern: CPMR Code: IN VITRO,NO EFFECT.
- Sullivan, Patrick J., Agardy, Franklin J., and Clark, James J. J. (2005). Regulated Pesticides in Food4 with Residue Tolerances. 267-273.
Chem Codes: Chemical of Concern: CPMR Code: FOOD.
- Sullivan, Patrick J., Agardy, Franklin J., and Clark, James J. J. (2005). Summary of Shallow Groundwater Data. 249-250.
Chem Codes: Chemical of Concern: CPMR Code: FATE.
- Sullivan, Patrick J., Agardy, Franklin J., and Clark, James J. J. (2005). Summary of Surface Water Data. 247-248.

- Chem Codes: Chemical of Concern: CPMR Code: FATE.
- Sullivan, Patrick J., Agardy, Franklin J., and Clark, James J. J. (2005). Unregulated Pollutants Discharged to or Identified in Water Resources. 255-256.
Chem Codes: Chemical of Concern: CPMR Code: FATE.
- Sullivan, Patrick J., Clark, James J. J., Agardy, Franklin J., and Rosenfeld, Paul E. (2007). Appendix. 229-542.
Chem Codes: Chemical of Concern: CPMR Code: NO TOX DATA.
- Sundaram, K. Ms (Gas Chromatographic Method for the Analysis of Permethrin Isomers in Some Forestry Substrates. *J ENVIRON SCI HEALTH PART B PESTIC FOOD CONTAM AGRIC WASTES*; 25 (3). 1990. 357-378.
Chem Codes: Chemical of Concern: CPMR Code: CHEM METHODS.
- Sutton, N. M., Bates, N., and Campbell, A. (Apparent Adverse Reactions to Neem (Margosa) Oil in Cats. *Vet Rec*. 2009, May 9; 164(19):592-3. [*The Veterinary record*].
Chem Codes: Chemical of Concern: CPMR Code: ABSTRACT.
- Sutton, Nicholas M., Bates, Nicola, and Campbell, Alexander (2007). Clinical effects and outcome of feline permethrin spot-on poisonings reported to the Veterinary Poisons Information Service (VPIS), London. *Journal of Feline Medicine & Surgery* 9: 335-339.
Chem Codes: Chemical of Concern: CPMR Code: INCIDENT,SURVEY.
- Symington, S. B., Frisbie, R. K., and Clark, J. M. (2008). Characterization of 11 Commercial Pyrethroids on the Functional Attributes of Rat Brain Synaptosomes. *Pestic.Biochem.Physiol.* 92: 61-69 (doi: 10.1016/j.pestbp.2008.06.009).
Chem Codes: Chemical of Concern: BFT,SBA,CYF,GCYH,CYP,DM,EFV,FPP,PMR,TFT Code: IN VITRO.
- Symington, Steven B., Frisbie, Richard K., and Clark, J. Marshall (2008). Characterization of 11 commercial pyrethroids on the functional attributes of rat brain synaptosomes. *Pesticide Biochemistry and Physiology* 92: 61-69.
Chem Codes: Chemical of Concern: CPMR Code: IN VITRO.
- Symington, Steven B., Frisbie, Richard K., Lu, Kim D., and Marshall Clark, J. (2007). Action of cismethrin and deltamethrin on functional attributes of isolated presynaptic nerve terminals from rat brain. *Pesticide Biochemistry and Physiology* 87: 172-181.
Chem Codes: Chemical of Concern: CPMR Code: IN VITRO.
- Tagami, T., Kajimura, K., Nomura, C., Taguchi, S., and Iwagami, S. (Determination of Pyrethroid Pesticides in Cinnamomi Cortex. *Yakugaku Zasshi*. 2009, Jan; 129(1):173-6. [*Yakugaku zasshi : Journal of the Pharmaceutical Society of Japan*].
Chem Codes: Chemical of Concern: CPMR Code: CHEM METHODS,SURVEY.
- Tanaka, K. (1987). 1986 Evaluation of Candidate Pesticides. (A-II) Insecticides: Vegetables Ornamental Crops and Industrial Crops. *Jpn.Pestic.Inf.* 50: 26-36.
Chem Codes: Chemical of Concern: EFV,DDVP,ACP,FNV,PIRM,PIM,OML,PMR,IFP,FYT,EFX,CYP,CYH,BFT,CPYM,MLN,BPZ,HTX,DC F,OML,MITC,TDC,DZ Code: NO CONC.
- Tate, C. M. and Heiny, J. S. (Organochlorine Compounds in Bed Sediment and Fish Tissue in the South Platte River Basin, Usa, 1992-1993. *ARCHIVES OF ENVIRONMENTAL CONTAMINATION AND TOXICOLOGY*; 30 (1). 1996. 62-78.
Chem Codes: Chemical of Concern: CPMR Code: SURVEY.

- Theophilidis, G., Benaki, M., and Papadopoulou-Mourkidou, E. (1997). Neurotoxic Action of Six Pyrethroid Insecticides on the Isolated Sciatic Nerve of a Frog (*Rana Ridibunda*). *Comparative Biochemistry and Physiology, C [COMP. BIOCHEM. PHYSIOL., C]*. Vol. 118C, no. 1, pp. 97-103. 1997.
Chem Codes: Chemical of Concern: CPMR Code: IN VITRO.
- Thompson, H. M. and Hunt, L. V. (1999). Extrapolating from Honeybees to Bumblebees in Pesticide Risk Assessment. *Ecotoxicology* 8: 147-166.
Chem Codes : EcoReference No.: 111784
Chemical of Concern: ACP,CYP,CPY,DM,DS,DMT,MOM,PMR,PRT,PHSL,PIM Code: REVIEW.
- Ting, K. C. and Kho, P. (Gc/Aed Method for Pesticide Residue Determination in Fruits and Vegetables. *J ASSOC OFF ANAL CHEM*; 74 (6). 1991. 991-998.
Chem Codes: Chemical of Concern: CPMR Code: CHEM METHODS,FOOD.
- Tjioe, M. and Vissers, W. H. (Scabies Outbreaks in Nursing Homes for the Elderly: Recognition, Treatment Options and Control of Reinfestation. *Drugs Aging*. 2008; 25(4):299-306. [*Drugs & aging*].
Chem Codes: Chemical of Concern: CPMR Code: HUMAN HEALTH.
- Tolozza, A., Vassena, C., Gallardo, A., GonzÁlez, P., and Picollo, M. I. (Epidemiology of Pediculosis Capitis in Elementary Schools of Buenos Aires, Argentina. *Parasitol Res*. 2009, Jun; 104(6):1295-8. [*Parasitology research*].
Chem Codes: Chemical of Concern: CPMR Code: HUMAN HEALTH.
- 2007). S. 186-203.
Chem Codes: Chemical of Concern: CPMR Code: HUMAN HEALTH .
- Toshio, Narahashi (1992). Nerve membrane Na⁺ channels as targets of insecticides. *Trends in Pharmacological Sciences* 13: 236-241.
Chem Codes: Chemical of Concern: CPMR Code: REVIEW.
- Trumble, J. T., Carson, W. G., and White, K. K. (1994). Economic Analysis of a *Bacillus thuringiensis*-Based Integrated Pest-Management Program in Fresh-Market Tomatoes. *J.Econ.Entomol.* 87: 1463-1469.
Chem Codes: Chemical of Concern: MOM,PMR Code: MIXTURE.
- Tulve, N. S., Egeghy, P. P., Fortmann, R. C., Whitaker, D. A., Nishioka, M. G., Naeher, L. P., and Hilliard, A. (2008). Multimedia Measurements and Activity Patterns in an Observational Pilot Study of Nine Young Children. *J Expo Sci Environ Epidemiol* 18: :31-44.
Chem Codes: Chemical of Concern: CPMR Code: HUMAN HEALTH.
- Tulve, N. S., Jones, P. A., Nishioka, M. G., Fortmann, R. C., Croghan, C. W., Zhou, J. Y., Fraser, A., Cavel, C., and Friedman, W. (2006). Pesticide Measurements From the First National Environmental Health Survey of Child Care Centers Using a Multi-Residue Gc/Ms Analysis Method. *Environ Sci Technol* 40: :6269-74.
Chem Codes: Chemical of Concern: CPMR Code: HUMAN HEALTH.
- Twort, Alan C., Ratnayaka, Don D., and Brandt, Malcolm J. (2000). Chemistry, microbiology and biology of water. 196-266.
Chem Codes: Chemical of Concern: CPMR Code: REVIEW.
- Udomsinprasert, R. and Ketterman, A. J. (2002). Expression and characterization of a novel class of glutathione S-transferase from *Anopheles dirus*. *Insect Biochemistry and Molecular Biology* 32: 425-433.
Chem Codes: Chemical of Concern: CPMR Code: IN VITRO.
- Ueyama, J., Kimata, A., Kamijima, M., Hamajima, N., Ito, Y., Suzuki, K., Inoue, T., Yamamoto, K., Takagi, K., Saito, I., Miyamoto, K., Hasegawa, T., and Kondo, T. (Urinary Excretion of 3-Phenoxybenzoic Acid in Middle-Aged and Elderly General Population of Japan. *Environ Res*. 2009, Feb; 109(2):175-80.

- [Environmental research].
Chem Codes: Chemical of Concern: CPMR Code: HUMAN HEALTH.
- Unai, T. (Toxicological Studies on the Metabolism of the Insecticides Pyrethroids and Rotenoids. *Nippon Noyaku Gakkaishi (J. Pestic. Sci.)* 5(3): 453-461 1980 (23 References).
Chem Codes: Chemical of Concern: CPMR Code: NON-ENGLISH.
- Unai, T. and Casida, J. E. *. (Synthesis of Isomeric 3-(2,2-Dichlorovinyl) -2-Hydroxymethyl -2-Methylcyclopropane Carboxylic Acids and Other Permethrin Metabolites. *J. Agric. Food Chem.* 25(5): 979-987 1977 (27 References).
Chem Codes: Chemical of Concern: CPMR Code: CHEM METHODS.
- Usherwood, P. N. R., Davies, T. G. E., Mellor, I. R., O'Reilly, A. O., Peng, F., Vais, H., Khambay, B. P. S., Field, L. M., and Williamson, M. S. (2007-). Mutations in DIIS5 and the DIIS4-S5 linker of Drosophila melanogaster sodium channel define binding domains for pyrethroids and DDT. *FEBS Letters* 581: 5485-5492.
Chem Codes: Chemical of Concern: CPMR Code: IN VITRO .
- VÁquez, P. P., Mughari, A. R., and Galera, M. M. (Solid-Phase Microextraction (Spme) for the Determination of Pyrethroids in Cucumber and Watermelon Using Liquid Chromatography Combined With Post-Column Photochemically Induced Fluorimetry Derivatization and Fluorescence Detection. *Anal Chim Acta.* 2008, Jan 21; 607(1):74-82. [*Analytica chimica acta*].
Chem Codes: Chemical of Concern: CPMR Code: CHEM METHODS,FOOD.
- VaÑ, Ó, -GalvÁ, N, S., and Moreno-Martin, P. (Generalized Pruritus After a Beach Vacation. Diagnosis: Scabies. *Cleve Clin J Med.* 2008, Jul; 75(7):474, 478. [*Cleveland Clinic journal of medicine*].
Chem Codes: Chemical of Concern: CPMR Code: HUMAN HEALTH.
- Vais, H., Atkinson, S., Eldursi, N., Devonshire, A. L., Williamson, M. S., and Usherwood, P. N. R. (2000-). A single amino acid change makes a rat neuronal sodium channel highly sensitive to pyrethroid insecticides. *FEBS Letters* 470: 135-138.
Chem Codes: Chemical of Concern: CPMR Code: IN VITRO.
- Vallero, Daniel A. and Peirce, J. Jeffrey (2003). Entering the Risk Era. 23-62.
Chem Codes: Chemical of Concern: CPMR Code: FATE.
- Van Den Hoek, J. A., Van De Weerd, J. A., Baayen, T. D., Molenaar, P. M., Sonder, G. J., Van Ouwkerk, I. M., and De Vries, H. J. (A Persistent Problem With Scabies in and Outside a Nursing Home in Amsterdam: Indications for Resistance to Lindane and Ivermectin. *Euro Surveill.* 2008, Nov 27. [*Euro surveillance : bulletin europeen sur les maladies transmissibles = European communicable disease bulletin*].
Chem Codes: Chemical of Concern: CPMR Code: HUMAN HEALTH.
- van Netten, C. (2002-). Analysis and implications of aircraft disinsectants. *The Science of The Total Environment* 293: 257-262.
Chem Codes: Chemical of Concern: CPMR Code: HUMAN HEALTH.
- Verma, Monica, Sharma, Satyawati, and Prasad, Rajendra (Biological alternatives for termite control: A review. *International Biodeterioration & Biodegradation* In Press, Corrected Proof.
Chem Codes: Chemical of Concern: CPMR Code: REVIEW.
- Vickery, J. P., Tribble, D. R., Putnam, S. D., McGraw, T., Sanders, J. W., Armstrong, A. W., and Riddle, M. S. (Factors Associated With the Use of Protective Measures Against Vector-Borne Diseases Among Troops Deployed to Iraq and Afghanistan. *Mil Med.* 2008, Nov; 173(11):1060-7. [*Military medicine*].
Chem Codes: Chemical of Concern: CPMR Code: HUMAN HEALTH.

- Vijverberg, H. P. M. and Van den Bercken, J. (1982). Action of Pyrethroid Insecticides on the Vertebrate Nervous System. *Neuropathol.Appl.Neurobiol.* 8: 421-440.
Chem Codes: EcoReference No.: 117187
 Chemical of Concern: PMR Code: REVIEW.
- Vijverberg, H. P. M., Van der Zalm, J. M., and Van den Bercken, J. (1983). Temperature- and Structure-Dependent Interaction of Pyrethroids with the Sodium Channels in Frog Node of Ranvier. *Biochim.Biophys.Acta* 728: 73-82.
Chem Codes : Chemical of Concern: ATN,PMR,CPMR,TPMR,CYP,DM,FNV Code: IN VITRO.
- Vogel, J. R., Majewski, M. S., and Capel, P. D. (2008). Pesticides in Rain in Four Agricultural Watersheds in the United States. *J.Environ.Qual.* 37: 1101-1115.
Chem Codes: Chemical of Concern:
 TBZ,ACO,PCH,FFC,MBZ,BFL,ETN,FNF,IFP,TET,CYF,CYP,DCTP,MLX,FMP,PMR,DMT,PRT,TBO,F
 PN,TBZ,PZM,MP,DDVP,PMT,PSM,AZ,MDT,MYC,IPD,PRO,MLN,TFN,DZ,CBL,PDM,ACR,SZ,CPY,
 DCPA,ATZ,34DAH,MTL,NATL Code: FATE/NO SPECIES.
- Vonderheide, A. P., Boyd, B., Ryberg, A., Yilmaz, E., Hieber, T. E., Kauffman, P. E., Garris, S. T., and Morgan, J. N. (2009). Analysis of Permethrin Isomers in Composite Diet Samples by Molecularly Imprinted Solid-Phase Extraction and Isotope Dilution Gas Chromatography-Ion Trap Mass Spectrometry. *J Chromatogr A.* 2009, May 29 [Journal of chromatography A] 1216: 4633-40.
Chem Codes: Chemical of Concern: CPMR Code: CHEM METHODS,FOOD.
- Walsh, G. E., Deans, C. H., and McLaughlin, L. L. (1987). Comparison of the EC50s of Algal Toxicity Tests Calculated by Four Methods. *Environ.Toxicol.Chem.* 6: 767-770.
Chem Codes: EcoReference No.: 99816
 Chemical of Concern: HPT,TDC,CPY,PMR,MP,CHD,PRT,TBTO,TBTF,TBTA,TBTCl,TBC Code: NO DURATION.
- Wang, D., Weston, D. P., and Lydy, M. J. (Method Development for the Analysis of Organophosphate and Pyrethroid Insecticides at Low Parts Per Trillion Levels in Water. *Talanta.* 2009, Jun 15; 78(4-5):1345-51. [Talanta].
Chem Codes: Chemical of Concern: CPMR Code: CHEM METHODS.
- Waring, Colin P., Stagg, Ronald M., Fretwell, Karen, McLay, H. Anne, and Costello, Mark J. (1996). The impact of sewage sludge exposure on the reproduction of the sand goby, *Pomatoschistus minutus*. *Environmental Pollution* 93: 17-25.
Chem Codes: Chemical of Concern: CPMR Code: EFFLUENT.
- Watanabe, M., Inaoka, T., Arakawa, R., Shinagawa, Y., Kohama, T., and Kosuge, Y. (1994). Susceptibility of Four Species of House-Invading Stink Bugs to Several Insecticides. *Jpn.J.Sanit.Zool.* 45: 239-244 (JPN).
Chem Codes: Chemical of Concern: CHT,SMT,PMR,PPX,DZ,FNT Code: NON-ENGLISH.
- Watanabe, Takaho, Shan, Guomin, Stoutamire, Donald W., Gee, Shirley J., and Hammock, Bruce D. (2001-). Development of a class-specific immunoassay for the type I pyrethroid insecticides. *Analytica Chimica Acta* 444: 119-129 .
Chem Codes: Chemical of Concern: CPMR Code: CHEM METHODS.
- Wells, D. E., Gillespie, M. J., and Porter, A. Ea (Dichlorobenzylalkyl Ether Homologs as Retention Index Markers and Internal Standards for the Analysis of Environmental Samples Using Capillary Gas Chromatography. *6TH INTERNATIONAL SYMPOSIUM ON CAPILLARY CHROMATOGRAPHY. J HIGH RESOLUT CHROMATOGR CHROMATOGR COMMUN;* 8 (8). 1985. 443-449.
Chem Codes: Chemical of Concern: CPMR Code: CHEM METHODS.
- Weschler, Charles J. (2009). Changes in indoor pollutants since the 1950s. *Atmospheric Environment* 43: 153-169.

- Chem Codes: Chemical of Concern: CPMR Code: HUMAN HEALTH.
- Wilcock, R. J., Northcott, G. L., and Nagels, J. W. (Mass Losses and Changes in Concentration of Chlorpyrifos and Cis-and Trans-Permethrin Applied to the Surface of a Stream. *BULLETIN OF ENVIRONMENTAL CONTAMINATION AND TOXICOLOGY*; 53 (3). 1994. 337-343.
Chem Codes: Chemical of Concern: CPMR Code: FATE.
- Williams, I. H. and Brown, M. J. (Persistence of Permethrin and W1 43775 in Soil. *J. Agric. Food Chem.* 27(1): 130-132 1979 (2 References).
Chem Codes: Chemical of Concern: CPMR Code: FATE.
- Williams, M. (2009). Urban residential pyrethroid insecticide use during pregnancy and effects on infant neurodevelopment.
Chem Codes: Chemical of Concern: CPMR Code: HUMAN HEALTH.
- Williams, M. K., Barr, D. B., Camann, D. E., Cruz, L. A., Carlton, E. J., Borjas, M., Reyes, A., Evans, D., Kinney, P. L., Whitehead, R. D. Jr, Perera, F. P., Matsoanne, S., and Whyatt, R. M. (2006). An Intervention to Reduce Residential Insecticide Exposure During Pregnancy Among an Inner-City Cohort. *Environ Health Perspect* 114: :1684-9.
Chem Codes: Chemical of Concern: CPMR Code: HUMAN HEALTH.
- Williams, M. K., Rundle, A., Holmes, D., Reyes, M., Hoepner, L. A., Barr, D. B., Camann, D. E., Perera, F. P., and Whyatt, R. M. (Changes in Pest Infestation Levels, Self-Reported Pesticide Use, and Permethrin Exposure During Pregnancy After the 2000-2001 U.s. Environmental Protection Agency Restriction of Organophosphates. *Environ Health Perspect.* 2008, Dec; 116(12):1681-8. [*Environmental health perspectives*].
Chem Codes: Chemical of Concern: CPMR Code: HUMAN HEALTH.
- Wils, E. R. J., Hulst, A. G., and den Hartog, J. C. (1982). The occurrence of Rovral and Permethrin in airborne particulate matter. *Chemosphere* 11: 585-589.
Chem Codes: Chemical of Concern: CPMR Code: FATE.
- Wolansky, M. J. and Harrill, J. A. (2008). Neurobehavioral Toxicology of Pyrethroid Insecticides in Adult Animals: A Critical Review. *Neurotoxicol.Teratol.* 30 : 55-78.
Chem Codes: EcoReference No.: 114271
Chemical of Concern:
DDT,IMP,BFT,TFT,CYF,LCYT,CYP,EFV,CYH,FYT,TLM,CYF,TAUF,FNV,CPMR,PMR,FPP,CHT,PT R,PLL,TLL,BRSM,RSM,TMT,ATN,DM Code: REVIEW.
- Wolansky, M. J., Harrill, J. A., and M.J.Wolansky (2008). Neurobehavioral Toxicology of Pyrethroid Insecticides in Adult Animals: a Critical Review. *Neurotoxicol.Teratol.* 30: 55-78.
Chem Codes: Chemical of Concern:
DDT,IMP,BFT,TFT,BCY,LCYT,CYP,EFV,CYH,FYT,TLM,CYF,TAUF,FNV,CPMR,PMR,FPP,CHT,PT R,PLL,TLL,BRSM,RSM,TMT,ATN,DM Code: REVIEW.
- Wong, H.-Y., Games, D. E., Leahey, J., and Brain, K. R. (1983). Mass spectral studies of the metabolites of permethrin. *International Journal or Mass Spectrometry and Ion Physics* 48: 101-104.
Chem Codes: Chemical of Concern: CPMR Code: IN VITRO.
- Wong, Patrick S. Y. and Matsumura, Fumio (2006). Serum free BG-1 cell proliferation assay: A sensitive method for determining organochlorine pesticide estrogen receptor activation at the nanomolar range. *Toxicology in Vitro* 20: 382-394.
Chem Codes: Chemical of Concern: CPMR Code: HUMAN HEALTH,IN VITRO .
- Wouters, Wout and van den Bercken, Joep (1978). Action of pyrethroids. *General Pharmacology: The Vascular*

- System 9: 387-398.
Chem Codes : Chemical of Concern: CPMR Code: REVIEW.
- Wu, Sheng Nan, Wu, Yung Han, Chen, Bing Shuo, Lo, Yi Ching, and Liu, Yen Chin (2009-). Underlying mechanism of actions of tefluthrin, a pyrethroid insecticide, on voltage-gated ion currents and on action currents in pituitary tumor (GH3) cells and GnRH-secreting (GT1-7) neurons. *Toxicology* 258: 70-77.
Chem Codes: Chemical of Concern: CPMR,TFT Code: IN VITRO.
- Xia, Xin Rui, Baynes, Ronald E., Monteiro-Riviere, Nancy A., and Riviere, Jim E. (2005). Determination of the partition coefficients and absorption kinetic parameters of chemicals in a lipophilic membrane/water system by using a membrane-coated fiber technique. *European Journal of Pharmaceutical Sciences* 24: 15-23.
Chem Codes: Chemical of Concern: CPMR Code: IN VITRO.
- Xia, Y., Han, Y., Wu, B., Wang, S., Gu, A., Lu, N., Bo, J., Song, L., Jin, N., and Wang, X. (The Relation Between Urinary Metabolite of Pyrethroid Insecticides and Semen Quality in Humans. *Fertil Steril.* 2008, Jun; 89(6):1743-50. [Fertility and sterility].
Chem Codes: Chemical of Concern: CPMR Code: HUMAN HEALTH.
- Xu, L. C., Liu, L., Ren, X. M., Zhang, M. R., Cong, N., Xu, A. Q., and Shao, J. H. (Evaluation of Androgen Receptor Transcriptional Activities of Some Pesticides in Vitro. *Toxicology.* 2008, Jan 14; 243(1-2):59-65. [Toxicology].
Chem Codes: Chemical of Concern: CPMR Code: IN VITRO,HUMAN HEALTH.
- Xue, R. D., Qualls, W. A., Zhong, H., and Brock, C. L. (Permethrin Decomposition After Four Month Storage in the Spray Truck Tanks During Mosquito Off Season. *J Am Mosq Control Assoc.* 2008, Mar; 24(1):127-9. [Journal of the American Mosquito Control Association].
Chem Codes: Chemical of Concern: CPMR Code: FATE.
- Yang, D., Pearce, R. E., Wang, X., Gaedigk, R., Wan, Y. J., and Yan, B. (Human Carboxylesterases Hce1 and Hce2: Ontogenic Expression, Inter-Individual Variability and Differential Hydrolysis of Oseltamivir, Aspirin, **Deltamethrin and Permethrin**. *Biochem Pharmacol.* 2009, Jan 15; 77(2):238-47. [Biochemical pharmacology].
Chem Codes : Chemical of Concern: CPMR,PR,DM Code: HUMAN HEALTH.
- Yang, D., Wang, X., Chen, Y. T., Deng, R., and Yan, B. (2009). Pyrethroid Insecticides: Isoform-Dependent Hydrolysis, Induction of Cytochrome P450 3A4 and Evidence on the Involvement of the Pregnane X Receptor. *Toxicol.Appl.Pharmacol.* 237: 49-58.
Chem Codes: Chemical of Concern: ATN,BRSM,CPMR,TAUF,TMT,EFV,CYF,DM,BFT Code: HUMAN HEALTH/IN VITRO.
- Yang, Y., Hunter, W., Tao, S., and Gan, J. (Effects of Black Carbon on Pyrethroid Availability in Sediment. *J Agric Food Chem.* 2009, Jan 14; 57(1):232-8. [Journal of agricultural and food chemistry].
Chem Codes: Chemical of Concern: CPMR Code: SEDIMENT CONC.
- Yoshida, T. (2009). Simultaneous Determination of 18 Pyrethroids in Indoor Air by Gas Chromatography/Mass Spectrometry. *J Chromatogr A.* 2009, Jun 26 [Journal of chromatography A] 1216: 5069-76 .
Chem Codes: Chemical of Concern: CPMR Code: CHEM METHODS.
- Zhang, Minghua, Wilhoit, Larry, and Geiger, Chris (2005). Assessing dormant season organophosphate use in California almonds. *Agriculture, Ecosystems & Environment* 105: 41-58.
Chem Codes: Chemical of Concern: CPMR Code: CHEM METHODS.
- Zimmerman, L. R., Thurman, E. M., and Bastian, K. C. (2000-). Detection of persistent organic pollutants in the Mississippi Delta using semipermeable membrane devices. *The Science of The Total Environment* 248:

169-179.

Chem Codes: Chemical of Concern: CPMR Code: FATE.

Zou, Enmin, Hatakeyama, Mariko, and Matsumura, Fumio (2002). Foci formation of MCF7 cells as an in vitro screening method for estrogenic chemicals. *Environmental Toxicology and Pharmacology* 11: 71-77.

Chem Codes: Chemical of Concern: CPMR Code: HUMAN HEALTH,IN VITRO .

G-3. Acceptable Efficacy/Target for ECOTOX and OPP

1. Aliniaze, M. T. and Cranham, J. E. (1980). Effect of Four Synthetic Pyrethroids on a Predatory Mite, *Typhlodromus pyri*, and Its Prey, *Panonychus ulmi*, on Apples in Southeast England. *Environ.Entomol.* 9: 436-439.

EcoReference No.: 71020

Chemical of Concern: PMR,CYP,PYT; Habitat: T; Effect Codes: POP; Rejection Code: LITE EVAL CODED(CYP),OK(PYT),TARGET(PMR).

2. Argentine, J. A., Marshall Clark, J., and Ferro, D. N. (1989). Genetics and Synergism of Resistance to Azinphosmethyl and Permethrin in the Colorado Potato Beetle (Coleoptera: Chrysomelidae). *J.Econ.Entomol.* 82: 698-705.

Chemical of Concern: PPB,PMR,TBF; Habitat: T; Rejection Code: TARGET(PMR).

3. Argueta, T. B. O., Kawada, H., Sugano, M., Kubota, S. I., Shono, Y., Tsushima, K., and Takagi, M. (2004). Comparative Insecticidal Efficacy of a New Pyrethroid, Metofluthrin, Against Colonies of Asian *Culex quinquefasciatus* and *Culex pipiens pallens*. *Med.Entomol.Zool.* 55 : 289-294.

EcoReference No.: 83239

Chemical of Concern: MTF,DATN,PMR,FNT; Habitat: T; Effect Codes: MOR; Rejection Code: LITE EVAL CODED(MTF),TARGET(PMR).

4. Armstrong, K. F. and Bonner, A. B. (1985). Investigation of a Permethrin-Induced Antifeedant Effect in *Drosophila melanogaster*: An Ethological Approach. *Pestic.Sci.* 16: 641-650.

Chemical of Concern: PMR; Habitat: T; Rejection Code: TARGET(PMR).

5. Ayyappath, R., Witkowski, J. F., and Higley, L. G. (1997). Ovipositional Responses of Two Species of Spider Mites (Acari: Tetranychidae) to Sublethal Concentrations of Permethrin and Methyl Parathion on Corn. *Environ.Entomol.* 26: 489-496.

EcoReference No.: 72885

Chemical of Concern: PMR,MP; Habitat: T; Effect Codes: MOR,REP; Rejection Code: TARGET(MP,PMR).

6. Azmi, M. A., Naqvi, S., Khan, M. F., Akhtar, K., and Khan, F. Y. (1998). Comparative Toxicological Studies of Rb-a (Neem Extract) and Coopex (Permethrin+Bioallethrin) Against *Sitophilus oryzae* with Reference to Their Effects on Oxygen Consumption and Got, Gpt Activity. *Turk.J.Zool.* 22: 307-310.

Chemical of Concern: PMR; Habitat: T; Rejection Code: TARGET(PMR).

7. Bandyopadhyay, B., Paul, S. K., and Ghosh, M. R. (1996). Effects of Sublethal Doses of Some Insecticides on the Biology of *Sitophilus oryzae* (L.) (Coleoptera : Curculionidae). *Environ.Ecol.* 14: 334-338.

EcoReference No.: 40237

Chemical of Concern: DDVP,MLN,EFV,PMR,CYP; Habitat: T; Effect Codes: MOR,GRO;
Rejection Code: TARGET (MLN,EFV,PMR,CYP).

8. Bartels, D. W. and Hutchison, W. D. (1993). Insecticidal and Microbial Control of ECB in Minnesota Sweet Corn, 1992. In: A.K.Burditt, Jr.(Ed.), *Insecticide & Acaricide Tests, Volume 18, Entomol.Soc.of Am., Lanham, MD* 119-120.

EcoReference No.: 79275

Chemical of Concern: CYP,BFT,PMR,MP,CYH; Habitat: T; Effect Codes: POP; Rejection Code: LITE EVAL CODED(BFT),TARGET(CYP),NO CROP(MP),EFFICACY(PMR).

9. Bashir, N. H. H. and Crowder, L. A. (1983). Mechanisms of Permethrin Tolerance in the Common Green Lacewing (Neuroptera: Chrysopidae). *J.Econ.Entomol.* 76: 407-409.

Chemical of Concern: PMR; Habitat: T; Rejection Code: TARGET(PMR).

10. Beard, M. L., Maupin, G. O., Craven, R. B., Montman, C. E., and Barnes, A. M. (1992). Laboratory and Field Trials of Permethrin-Treated Cotton Used as Nesting Material to Control Fleas (Insecta: Siphonaptera) on Cricetid Rodents. *J.Med.Entomol.* 29: 338-342.

EcoReference No.: 99909

Chemical of Concern: PMR; Habitat: T; Effect Codes: MOR,POP; Rejection Code: EFFICACY(PMR).

11. Beck, N. G. and Cameron, P. J. (1992). Developing a Reduced Spray Program for Brassicas in New Zealand. In: N.S.Talekar (Ed.), *Diamondback Moth and Other Crucifer Pests, 2nd Int.Workshop, Dec.10-14, 1990, Tainan, Taiwan, Asian Veg.Res.and Dev.Ctr.(AVRDC), Shanhua, Taiwan* 341-350.

EcoReference No.: 100294

Chemical of Concern: PMR; Habitat: T; Effect Codes: POP; Rejection Code: EFFICACY(PMR).

12. Berry, J. S., Holtzer, T. O., and Ball, H. J. (1990). Ambulatory Dispersal of Spider Mites (Acari: Tetranychidae) on Whole, Untreated Maize Plants After Exposure to Fenvalerate and Permethrin. *J.Econ.Entomol.* 83: 217-220.

Chemical of Concern: EFV,PMR; Habitat: T; Rejection Code: TARGET (EFV,PMR).

13. Bisges, A. and Berberet, R. (1994). Control of Insect Pests in the First Alfalfa Crop, 1993. *Anthropod Manag.Tests* 19: 167.

EcoReference No.: 97678

Chemical of Concern: CYF,CYP,CBF,PMR,ES,CPY; Habitat: T; Effect Codes: POP,PHY;
Rejection Code: EFFICACY(PMR).

14. Bodnaryk, R. P., Barker, P. S., and Kudryk, L. (1984). Interaction Between Synergists and Permethrin in Adults of the Red Flour Beetle, *Tribolium castaneum* (Herbst). *Pestic.Sci.* 15: 481-486.

EcoReference No.: 93121

Chemical of Concern: PPB,TBF,PMR; Habitat: T; Effect Codes: MOR; Rejection Code: NO CONTROL(PPB,TBF),TARGET(PMR).

15. Bossard, R. L., Dryden, M. W., and Broce, A. B. (2002). Insecticide Susceptibilities of Cat Fleas (Siphonaptera: Pulicidae) from Several Regions of the United States. *J.Med.Entomol.* 39: 742-746.

EcoReference No.: 68605

- Chemical of Concern: PYT,PMR,CBL,MLN,PPB,CPY; Habitat: T; Effect Codes: MOR; Rejection Code: LITE EVAL CODED(CBL,MLN),OK(PYT,CPY),NO MIXTURE(PPB),TARGET(PMR,CPY).
16. Bower, C. C. and Kaldor, J. (1980). Selectivity of Five Insecticides for Codling Moth Control: Effects on the Twospotted Spider Mite and Its Predators. *Environ.Entomol.* 9: 128-132.
- EcoReference No.: 35925
Chemical of Concern: AZ,DFZ,PMR; Habitat: T; Effect Codes: POP; Rejection Code: TARGET(AZ,PMR).
17. Broadley, R. H. (1983). Toxicity of Insecticides to *Coccinella repanda* Thunberg and *Harmonia octomaculata* (Fabricius) (Coleoptera: Coccinellidae). *Qld.J.Agric.Anim.Sci.* 40: 125-127.
- EcoReference No.: 70342
Chemical of Concern: CPY,MOM,PPF,MDT,CYP,DM,PMR,SPS; Habitat: T; Effect Codes: MOR; Rejection Code: TARGET(CYP,CPY,MOM,PMR,PPF).
18. Brown, M. W. (1993). Resilience of the Natural Arthropod Community on Apple to External Disturbance. *Ecol.Entomol.* 18: 169-183.
- EcoReference No.: 99725
Chemical of Concern: PMR; Habitat: T; Effect Codes: POP; Rejection Code: EFFICACY(PMR).
19. Brown, T. M., Bryson, P. K., and Payne, G. T. (1996). Synergism by Propynyl Aryl Ethers in Permethrin-Resistant Tobacco Budworm Larvae, *Heliothis virescens*. *Pestic.Sci.* 43: 323-331.
- EcoReference No.: 63595
Chemical of Concern: PPB,DDT,ES,PPF,AMZ,SPS,FYT,FNV,FPP,MP,CPY,PMR,CYP; Habitat: T; Effect Codes: MOR; Rejection Code: NO MIXTURE(PPB,AMZ),TARGET(MP,FNV,CPY,PMR,CYP,PPF).
20. Bull, D. L. (1992). Target Site and Enzyme Changes Associated with Selection of Subcolonies of a Multiresistant House Fly Strain with Methyl Parathion or Permethrin. *Pestic.Biochem.Physiol.* 42: 211-226.
- EcoReference No.: 73908
Chemical of Concern: MP,PMR; Habitat: T; Effect Codes: MOR,ACC; Rejection Code: NO COC(MTL),TARGET(MP,PMR).
21. Bull, D. L. and Pryor, N. W. (1990). Characteristics of Resistance in House Flies Subjected to Long-Term Concurrent Selection with Malathion and Permethrin. *Pestic.Biochem.Physiol.* 37: 101-115.
- EcoReference No.: 88909
Chemical of Concern: PMR,MLN,MP,DMT,PPX,FNV,DDT,TBF; Habitat: T; Effect Codes: MOR,ACC,BCM; Rejection Code: TARGET(DMT,MLN,MP,FNV,PMR),OK(ALL CHEMS).
22. Buntin, G. D. (1999). Damage Loss Assessment and Control of the Cabbage Seedpod Weevil (Coleoptera: Curculionidae) in Winter Canola Using Insecticides. *J.Econ.Entomol.* 92: 220-227.
- EcoReference No.: 63601
Chemical of Concern: BFT,EFV,AZD,CBL,MOM,ES,PMR; Habitat: T; Effect Codes: POP,CEL,PHY; Rejection Code: LITE EVAL CODED(BFT,EFV),OK(ES),TARGET(PMR,CBL,MOM),EFFICACY(AZD).
23. Buntin, G. D. (1998). Evaluation of Insecticides for Control of the Cabbage Seedpod Weevil in Canola. *In:*

- G.D.Buntin (Ed.), Res.Bull.No.435, Assessment of Crop Protectants for Use in Canola, Univ.of Ga., Athens, GA 25-29.*
- EcoReference No.: 73097
Chemical of Concern: EFV,MLN,ES,PMR,MOM,CBL,MP,PSM,AZD,PRN; Habitat: T; Effect Codes: POP,GRO,BCM; Rejection Code: LITE EVAL
CODED(EFV,MOM,AZD),EFFICACY(MLN,PMR,CBL,MP,PSM).
24. Buschman, L. L. (1983). Effects of Pyrethroids and Miticides on Spider Mite, Southwestern Corn Borer and Predator Populations, 1982. *Insectic.Acaric.Tests* 8: 169-170.
- EcoReference No.: 82425
Chemical of Concern: PMR,DMT; Habitat: T; Effect Codes: POP; Rejection Code: TARGET
(DMT),EFFICACY(PMR).
25. Byford, R. L., Craig, M. E., DeRouen, S. M., Kimball, M. D., Morrison, D. G., Wyatt, W. E., and Foil, L. D. (1999). Influence of Permethrin, Diazinon and Ivermectin Treatments on Insecticide Resistance in the Horn Fly (Diptera: Muscidae). *Int.J.Parasitol.* 29: 125-135.
- EcoReference No.: 72912
Chemical of Concern: PMR,DZ; Habitat: T; Effect Codes: POP,MOR; Rejection Code: TARGET(DZ,PMR).
26. Byford, R. L., Lockwood, J. A., Smith, S. M., Sparks, T. C., and Luther, D. G. (1987). Insecticide Mixtures as an Approach to the Management of Pyrethroid-Resistant Horn Flies Diptera muscidae. *J.Econ.Entomol.* 80: 111-116.
- Chemical of Concern: PPB,PYT,CYP,PMR; Habitat: T; Rejection Code: TARGET(CYP,PMR).
27. Chalfant, R. B. (1997). Control of Lepidopterous Pests, 1991. *Arthropod Manag.Tests* 22: 88 (9E).
- EcoReference No.: 83124
Chemical of Concern: CPY,EFV,PMR; Habitat: T; Effect Codes: POP,GRO; Rejection Code: EFFICACY(EFV,PMR,CPY).
28. Chang, C. K. and Jordan, T. W. (1983). Inhibition of Permethrin-Hydrolyzing Esterase from *Eseana cervinata* Larvae. *Pestic.Biochem.Physiol.* 19: 190-195.
- Chemical of Concern: PMR; Habitat: T; Rejection Code: TARGET(PMR).
29. Cochran, D. G. (1994). Effects of Three Synergists on Pyrethroid Resistance in the German Cockroach (Diptoptera: Blattellidae). *J.Econ.Entomol.* 87: 879-884.
- Chemical of Concern: PPB,PYT,CYP,TBF,PMR,CYF,EFV,FNV; Habitat: T; Rejection Code: TARGET(CYP,PMR).
30. Collison, C. H., Danka, R. G., and Kennell, D. R. (1981). An Evaluation of Permethrin, Carbaryl, and Amitraz for the Control of Northern Fowl Mites on Caged Chickens. *Poult.Sci.* 60: 1812-1817.
- EcoReference No.: 36214
Chemical of Concern: AMZ,PMR,CBL; Habitat: T; Effect Codes: POP; Rejection Code: EFFICACY(PMR,CBL).
31. Corbel, V., Chandre, F., Brengues, C., Akogbeto, M., Lardeux, F., Hougard, J. M., and Guillet, P. (2004). Dosage-Dependent Effects of Permethrin-Treated Nets on the Behaviour of *Anopheles gambiae* and the Selection of Pyrethroid Resistance. *Malaria J.* 3: 22.

- EcoReference No.: 87786
 Chemical of Concern: PMR; Habitat: T; Effect Codes: MOR,BEH,POP; Rejection Code: TARGET(PMR).
32. Corn, J. L., Snyder, B. D., Barre, N., and Garris, G. I. (1994). Effect of Acaricide Treatment of Cattle on *Amblyomma variegatum* (Acari: Ixodidae) Infestation of Mongooses (Carnivora: Viverridae: *Herpestes auropunctatus*) in Guadeloupe, French West Indies. *J.Med.Entomol.* 31: 490-495.
- EcoReference No.: 99600
 Chemical of Concern: DM,PMR,CMPH; Habitat: T; Effect Codes: POP; Rejection Code: TARGET(PMR,CMPH).
33. Crockett, R. J., Dennett, J. A., Ham, C. M., Nunez, R. D., and Meisch, M. V. (2002). Efficacy of Biomist 30:30 and Aqua Reslin Against *Anopheles quadrimaculatus* in Arkansas. *J.Am.Mosq.Control Assoc.* 18: 68-69.
- Chemical of Concern: PPB,PMR; Habitat: T; Rejection Code: TARGET(PMR).
34. Cueto, G. M., Audino, P. G., Vassena, C. V., Picollo, M. I., and Zerba, E. N. (2002). Toxic Effect of Aliphatic Alcohols Against Susceptible and Permethrin-Resistant *Pediculus humanus capitis* (Anoplura: Pediculidae). *J.Med.Entomol.* 39: 457-460.
- EcoReference No.: 78952
 Chemical of Concern: C10OH,PMR,APAC,C8OH; Habitat: T; Effect Codes: MOR; Rejection Code: LITE EVAL CODED(C8OH,C10OH,APAC),TARGET(PMR).
35. Daghish, G. J., Hall, E. A., Zorzetto, M. J., Lambkin, T. M., and Erbacher, J. M. (1993). Evaluation of Protectants for Control of *Acanthoscelides obtectus* (Say) (Coleoptera: Bruchidae) in Navybeans (*Phaseolus vulgaris* (L.)). *J.Stored Prod.Res.* 29: 215-219.
- EcoReference No.: 70523
 Chemical of Concern: MLN,FNT,PIRM,PMR,DM,CPYM,BRSM,CBL,EFV; Habitat: T; Effect Codes: MOR,REP; Rejection Code: LITE EVAL CODED(BRSM),OK(ALL CHEMS),TARGET(CBL,MLN,CPYM,PMR).
36. Davey, R. B. and George, J. E. (1998). In Vitro and In Vivo Evaluations of a Strain of *Boophilus microplus* (Acari: Ixodidae) Selected for Resistance to Permethrin. *J.Med.Entomol.* 35: 1013-1019.
- EcoReference No.: 72886
 Chemical of Concern: PMR; Habitat: T; Effect Codes: MOR,GRO,REP; Rejection Code: TARGET(PMR).
37. De Vries, D. H. and Georghiou, G. P. (1981). Decreased Nerve Sensitivity and Decreased Cuticular Penetration as Mechanisms of Resistance to Pyrethroids in a (1R)-trans-Permethrin-Selected Strain of the House Fly. *Pestic.Biochem.Physiol.* 15: 234-241.
- EcoReference No.: 71395
 Chemical of Concern: RSM,DDT,PMR,PYT; Habitat: T; Rejection Code: NO TOX DATA,TARGET(RSM,PMR).
38. DeVries, D. H. and Georghiou, G. P. (1981). Absence of Enhanced Detoxication of Permethrin in Pyrethroid-Resistant House Flies. *Pestic.Biochem.Physiol.* 15: 242-252.
- EcoReference No.: 92993
 Chemical of Concern: TBF; Habitat: T; Effect Codes: ACC,MOR; Rejection Code: NO

MIXTURE(TBF),TARGET(PMR).

39. Donahue, D. H., McPherson, R. M., and Poe, S. L. (1988). Dispersal Response of Tetranychus urticae Koch Acari tetranychidae to Fenvalerate and Permethrin Residues on Soybeans. *J.Entomol.Sci.* 23: 350-356.

Chemical of Concern: EFV,PMR; Habitat: T; Rejection Code: CROP (EFV),EFFICACY(PMR).

40. Dowd, P. F. and Sparks, T. C. (1987). Comparative Hydrolysis of Permethrin and Fenvalerate in Pseudopiusia includens (Walker) and Heliiothis virescens (F.). *Pestic.Biochem.Physiol.* 27: 123-131.

Chemical of Concern: EFV,PMR; Habitat: T; Rejection Code: TARGET (EFV,PMR).

41. Dowd, P. F. and Sparks, T. C. (1987). Comparisons of Midgut, Fat Body, and Cuticular Enzymes from Pseudopiusia Includes (Walker) and Heliiothis virescens (F.) Responsible for the Hydrolysis of Permethrin and Fenvalerate. *Pestic.Biochem.Physiol.* 27: 309-317.

Chemical of Concern: EFV,PMR; Habitat: T; Rejection Code: TARGET (EFV,PMR).

42. Dusbabek, F. , Rupes, V., Simek, P., and Zahradnickova, H. (1997). Enhancement of Permethrin Efficacy in Acaricide-Attractant Mixtures for Control of the Fowl Tick Argas persicus (Acari: Argasidae). *Exp.Appl.Acarol.* 21: 293-305.

EcoReference No.: 64699

Chemical of Concern: PMR,PPX,DZ; Habitat: T; Effect Codes: MOR; Rejection Code: TARGET(DZ,PMR).

43. Everts, J. W., Kortenhoff, B. A., Hoogland, H., Vlug, H. J., Jocque, R., and Koeman, J. H. (1985). Effects of Non-Target Terrestrial Arthropods of Synthetic Pyrethroids Used for the Control of the Tsetse Fly (Glossina spp.) in Settlement Areas of the Southern Ivory Coast, Africa. *Arch.Environ.Contam.Toxicol.* 14: 641-650.

EcoReference No.: 76646

Chemical of Concern: CYP,DM,PMR; Habitat: T; Effect Codes: POP; Rejection Code: LITE EVAL CODED(CYP),TARGET(PMR).

44. Farkas, R. and Pap, L. (1996). Susceptibility of Hydrotaea aenescens (Wiedemann) (Diptera: Muscidae) to Selected Insecticides and Its Importance in Integrated Fly Management. *Parasitol.Res.* 82: 170-173.

EcoReference No.: 70309

Chemical of Concern: DM,CYP,PMR,BRSM,MOM,PPX,PTP,TCF,MLN,MXC,DDT,HCCH ; Habitat: T; Effect Codes: MOR; Rejection Code: LITE EVAL CODED(CYP,BRSM),TARGET(MLN,MOM,PMR,PTP).

45. Fisher, P. A., Laing, J. E., and Pree, D. J. (1991). Toxicity of Permethrin, Azinphosmethyl, and Methomyl to Pholetesor ornigis (Weed) and Pholetesor pedias Nixon (Hymenoptera: Braconidae), Parasites of the Spotted Tentiform Leafminer, Phyllonorycter blancardella (Fabr.) (Lepidoptera: Gracillariidae). *Can.Entomol.* 123: 1175-1182.

EcoReference No.: 90886

Chemical of Concern: PMR,AZ,MOM; Habitat: T; Effect Codes: MOR; Rejection Code: TARGET(MOM,PMR,AZ).

46. Flores, A. E., Albeldano-Vazquez, W., Salas, I. F., Badii, M. H., Becerra, H. L., Garcia, G. P., Fuentes, S. L., Brogdon, W. G., Black IV, W. C., and Beaty, B. (2005). Elevated alpha-Esterase Levels Associated with Permethrin Tolerance in Aedes aegypti (L.) from Baja California, Mexico. *Pestic.Biochem.Physiol.* 82: 66-78.

- EcoReference No.: 80294
 Chemical of Concern: PMR; Habitat: T; Effect Codes: MOR,BCM,PHY; Rejection Code: TARGET(PMR).
47. Fragoso, D. B., Guedes, R. N. C., and Rezende, S. T. (2003). Glutathione S-Transferase Detoxification as a Potential Pyrethroid Resistance Mechanism in the Maize Weevil, *Sitophilus zeamais*. *Entomol.Exp.Appl.* 109: 21-29.
- EcoReference No.: 81990
 Chemical of Concern: CYP,DM,PMR,CPYM,MLN,PIRM; Habitat: T; Effect Codes: BCM; Rejection Code: TARGET (MLN,CPYM,PMR,CYP).
48. Franc, M. and Cadiergues, M. C. (1998). Antifeeding Effect of Several Insecticidal Formulations Against *Ctenocephalides felis* on Cats. *Parasite* 5: 83-86.
- EcoReference No.: 66758
 Chemical of Concern: PMR,FPN,IMC; Habitat: T; Effect Codes: BEH,POP; Rejection Code: TARGET(FPN,PMR,IMC).
49. Franc, M. and Cadiergues, M. C. (1997). Susceptibility of the Cat Flea, *Ctenocephalides felis* (Siphonaptera : Pulicidae) to Four Pyrethroids. *Parasite* 4: 91-93.
- EcoReference No.: 66759
 Chemical of Concern: PYT,DM,SBA,PMR; Habitat: T; Effect Codes: MOR; Rejection Code: TARGET(PMR).
50. Frances, S. P. (1994). Response of a Chigger, *Eutrombicula hirsti* (Acari: Trombiculidae) to Repellent and Toxicant Compounds in the Laboratory. *J.Med.Entomol.* 31: 628-630.
- Chemical of Concern: PMR; Habitat: T; Rejection Code: TARGET(PMR).
51. Frances, S. P., Watson, K., and Constable, B. G. (2003). Comparative Toxicity of Permethrin- and Bifenthrin-Treated Cloth Fabric for *Anopheles farauti* and *Aedes aegypti*. *J.Am.Mosq.Control Assoc.* 19: 275-278.
- EcoReference No.: 81787
 Chemical of Concern: PMR,BFT; Habitat: T; Effect Codes: MOR,PHY; Rejection Code: TARGET(PMR,BFT).
52. Fryauff, D. J., Shoukry, M. A., Hanafi, H. A., Choi, Y. M., Kamel, K. E., and Schreck, C. E. (1996). Contact Toxicity of Permethrin-Impregnated Military Uniforms to *Culex pipiens* (Diptera: Culicidae) and *Phlebotomus papatasi* (Diptera: Psychodidae): Effects of Laundering and Time of Exposure. *J.Am.Mosq.Control Assoc.* 12: 84-90.
- EcoReference No.: 68146
 Chemical of Concern: PMR; Habitat: T; Effect Codes: POP,MOR; Rejection Code: TARGET(PMR).
53. Gayathri, V. and Murthy, P. B. (2006). Reduced Susceptibility to Deltamethrin and KDR Mutation in *Anopheles stephensi* Liston, a Malaria Vector in India. *J.Am.Mosq.Control Assoc.* 22: 678-688.
- EcoReference No.: 99907
 Chemical of Concern: DM,PMR,LCYT,CYF,MLN,DDT,PPX; Habitat: AT; Effect Codes: MOR,CEL; Rejection Code: TARGET(PMR,MLN).

54. Gencsoylu, I., Liu, W., Usmani, K. A., and Knowles, C. O. (1998). Toxicity of Acaricides to the Bulb Mite *Rhizoglyphus echinopus* (Acari: Acaridae). *Exp.Appl.Acarol.* 22: 343-351.
- EcoReference No.: 64443
 Chemical of Concern:
 TFY,FPP,CYP,DDT,IMC,CPY,DZ,DMT,CBL,RTN,PMR,FNV,BFT,CBF,DLD,EN,AND,FPN;
Habitat: T; Effect Codes: MOR; Rejection Code: LITE EVAL
 CODED(CBF),TARGET(DMT,RTN,CYP,BFT,FPN,DZ,CBL,CPY,FNV,PMR),OK(ALL CHEMS).
55. Gladney, W. J. and Dawkins, C. C. (1976). The Brown Dog Tick: Laboratory Tests of Acaricides. *Southwest.Entomol.* 1: 184-189.
- EcoReference No.: 78342
 Chemical of Concern: As,PMR,PSM; Habitat: T; Effect Codes: MOR; Rejection Code: LITE EVAL CODED(As),TARGET(PMR,PSM).
56. Grafton-Cardwell, E. E. and Hoy, M. A. (1985). Intraspecific Variability in Response to Pesticides in the Common Green Lacewing, *Chrysoperla carnea* (Stephens) (Neuroptera: Chrysopidae). *Hilgardia* 53: 1-32.
- EcoReference No.: 73696
 Chemical of Concern: MOM,DZ,PMR,FNV,CBL,PSM; Habitat: T; Effect Codes: MOR,REP;
Rejection Code: TARGET(DZ,CBL,MOM,FNV,PSM,PMR).
57. Grafton-Cardwell, E. E. and Hoy, M. A. (1985). Short-Term Effects of Permethrin and Fenvalerate on Oviposition by *Chrysoperla carnea* Neuroptera Chrysopidae. *J.Econ.Entomol.* 78: 955-959.
- Chemical of Concern: EFV,PMR; Habitat: T; Rejection Code: TARGET (EFV,PMR).
58. Groome, J. M., Martin, R., and Slatter, R. (1989). Advances in the Control of Public Health Insects by the Application of Water-Based Ultra Low Volume Space Sprays. *Int.Pest Control* 31: 137-140.
- Chemical of Concern: PPB,PMR; Habitat: T; Rejection Code: TARGET(PMR).
59. Guerrero, F. D., Li, A. Y., and Hernandez, R. (2002). Molecular Diagnosis of Pyrethroid Resistance in Mexican Strains of *Boophilus microplus* (Acari: Ixodidae). *J.Med.Entomol.* 39: 770-776.
- EcoReference No.: 69412
 Chemical of Concern: PMR; Habitat: T; Effect Codes: MOR; Rejection Code: TARGET(PMR),NO COC(DZ).
60. Guerrero, F. D., Pruett, J. H., and Li, A. Y. (2002). Molecular and Biochemical Diagnosis of Esterase-Mediated Pyrethroid Resistance in a Mexican Strain of *Boophilus microplus* (Acari: Ixodidae). *Exp.Appl.Acarol.* 28: 257-264.
- EcoReference No.: 82403
 Chemical of Concern: PMR; Habitat: T; Effect Codes: BCM,MOR; Rejection Code: TARGET(PMR).
61. Hagley, E. A. C. and Simpson, C. M. (1983). Effect of Insecticides on Predators of the Pear Psylla, *Psylla pyricola* (Hemiptera: Psyllidae), in Ontario. *Can.Entomol.* 115: 1409-1414.
- EcoReference No.: 71001
 Chemical of Concern: AZ,PMR; Habitat: T; Effect Codes: POP; Rejection Code: TARGET(AZ,PMR).

62. Halliday, W. R., Morgan, N. O., and Kirkpatrick, R. L. (1987). Evaluation of Insecticides for Control of Stored-Product Pests in Transport Vehicles. *J.Entomol.Sci.* 22: 224-236.

EcoReference No.: 70501

Chemical of Concern: MOM,BDC,BFT,ACP,CHT,FPP,CYF,FVL,CYP,PMR,FNV,DDT,CBL,RSM;

Habitat: T; Effect Codes: MOR,PHY; Rejection Code:

TARGET(PMR,CYP,MOM,BFT,ACP,CYF,FVL,FNV,CBL,RSM).

63. Hameed, S. F. and Allen, J. G. (1976). Toxicity and Persistence of Some Organophosphorus Insecticides and Permethrin on Apple Fruits for the Control of Codling Moth, *Laspeyresia pomonella* (LP). *J.Hortic.Sci.* 51: 105-115.

Chemical of Concern: PSM,PMR; Habitat: T; Rejection Code: EFFICACY (PSM,PMR).

64. Harris, C. R. and Turnbull, S. A. (1986). Contact Toxicity of Some Pyrethroid Insecticides, Alone and in Combination with Piperonyl Butoxide, to Insecticide-Susceptible and Pyrethroid-Resistant Strains of the Colorado Potato Beetle (Coleoptera: Chrysomelidae). *Can.Entomol.* 118: 1173-1176.

EcoReference No.: 74886

Chemical of Concern: PPB,FNV,CYP,PMR; Habitat: T; Effect Codes: MOR; Rejection Code:

TARGET(CYP,FNV,PMR),NO MIXTURE(PPB).

65. Harris, C. R., Turnbull, S. A., and McLeod, D. G. R. (1985). Contact Toxicity of Twenty-One Insecticides to Adults of the Carrot Rust Fly (Diptera: Psilidae). *Can.Entomol.* 117: 1025-1028.

EcoReference No.: 72206

Chemical of Concern:

DZ,DDT,AND,PSM,PMR,MVP,PRN,CPY,Naled,MOM,MLN,DM,CYP,CBF,AZ,FNV,FNF,ACP;

Habitat: T; Effect Codes: MOR; Rejection Code: LITE EVAL

CODED(CBF,CPY),TARGET(DZ,CYP,MLN,Naled,ACP,AZ,PMR,FNV,PSM),OK(ALL CHEMS).

66. Haseeb, M., Amano, H., and Nemoto, H. (2000). Pesticidal Effects on Mortality and Parasitism Rates of *Diadegma semiclausum*, a Parasitoid of the Diamondback Moth. *Biocontrol* 45: 165-178.

EcoReference No.: 66754

Chemical of Concern: CFP,PMR,KSM; Habitat: T; Effect Codes: MOR,GRO,POP; Rejection Code:

TARGET(PMR).

67. Hayden, J. P. and Howitt, A. J. (1986). Ovicidal Activity of Insecticides on the Spotted Tentiform Leafminer (Lepidoptera: Gracillariidae). *J.Econ.Entomol.* 79: 258-260.

EcoReference No.: 74112

Chemical of Concern: MOM,FNV,PMR,ES,EFV; Habitat: T; Effect Codes: MOR; Rejection Code:

TARGET(FNV,MOM,PMR,EFV).

68. Head, G., Hoy, C. W., and Hall, F. R. (1998). Genetics of Response to Permethrin in Unexposed Diamondback Moth (Lepidoptera: Plutellidae) Populations. *Ann.Entomol.Soc.Am.* 91: 217-221.

EcoReference No.: 72782

Chemical of Concern: PMR; Habitat: T; Effect Codes: BEH,PHY,MOR; Rejection Code:

TARGET(PMR).

69. Helson, B., Kaupp, W., Ceccarelli, A., and Arnason, J. T. (1996). Variation in Susceptibility of Tree-Feeding Insect Species to Photoactivated Thiophene Insecticides. *J.Econ.Entomol.* 89: 820-825.

EcoReference No.: 99751

Chemical of Concern: CBL,FNT,PMR,MXC; Habitat: T; Effect Codes: MOR; Rejection Code: TARGET(CBL,PMR).

70. Helson, B. V., De Groot, P., Turgeon, J. J., and Kettela, E. G. (1989). Toxicity of Insecticides to First-Instar Larvae of the Spruce Budmoth, *Zeiraphera canadensis* Mut. and Free. (Lepidoptera: Tortricidae): Laboratory and Field Studies. *Can.Entomol.* 121: 81-91.

EcoReference No.: 73595

Chemical of Concern: MOM,ACP,AZ,CPY,FNT,PMR,SPS,TDC,TCF; Habitat: T; Effect Codes: MOR; Rejection Code: TARGET(TDC,MOM,CPY,ACP,AC,PMR)).

71. Henzell, R. F., Skinner, R. A., and Clements, R. O. (1983). Insecticides for Control of Adult Grass Grub, *Costelytra zealandica* (White) V. Screening and Behaviour of Insecticides in Soil Bioassays. *N.Z.J.Agric.Res.* 26: 129-133 .

EcoReference No.: 79045

Chemical of Concern:

MVP,PPF,TBO,DCB,MXC,CYP,DM,FNV,CBX,DZM,NCTN,FMP,MDT,IFP,IZF,FNTH,FNT,ETN,FNF,DMT,DDVP,CPYM,CPY,AZ,AZM,PPX,PIM,OML,MOM,MCB,ADC,NAPH,PMR,ES,PCB,PSM,DS,DZ,CBF,CBL,PRT; Habitat: T; Effect Codes: MOR; Rejection Code: TARGET(CBL,PRT,DZ,NAPH,DCB,MOM,FNV,DMT,CPYM,DS,PSM,PMR,TBO).

72. Herbert, D. A., Mack, T. P., and Drane, J. W. (1989). Decrease of Mortality with Time for Soybean Looper (Lepidoptera: Noctuidae) Larvae Fed Soybean Leaves Treated with Permethrin or Methomyl. *J.Econ.Entomol.* 82: 639-644.

Chemical of Concern: MOM,PMR; Habitat: T; Rejection Code: TARGET(MOM,PMR).

73. Ho, T. M. and Ismail, S. (1991). Efficacy of Three Pyrethroids Against *Leptotrombidium fletcheri* (Acari: Trombiculidae) Infected and Noninfected with Scrub Typhus. *J.Med.Entomol.* 28: 776-779.

EcoReference No.: 74331

Chemical of Concern: DPTR,DCM,PMR,PYT; Habitat: T; Effect Codes: MOR; Rejection Code: NO COC(MLT),TARGET(PMR).

74. Ho, T. M. and Ismail, S. (1988). Laboratory Investigation of the Comparative Toxicities of Three Pyrethroid Insecticides to *Musca domestica* (Diptera: Muscidae) and *Macrocheles muscaedomesticae* (Acarina: Macrochelidae). *Trop.Biomed.* 5: 103-106.

EcoReference No.: 74427

Chemical of Concern: SBA,PMR,DCM; Habitat: T; Effect Codes: MOR; Rejection Code: NO COC(MLT),TARGET(PMR).

75. Hodjati, M. H. and Curtis, C. F. (1999). Evaluation of the Effect of Mosquito Age and Prior Exposure to Insecticide on Pyrethroid Tolerance in Anopheles Mosquitoes (Diptera: Culicidae). *Bull.Entomol.Res.* 89: 329-337.

EcoReference No.: 99811

Chemical of Concern: PMR; Habitat: T; Effect Codes: PHY,MOR; Rejection Code: TARGET(PMR).

76. Horsburgh, R. L., Kilmer, S. W., Cook II, K. E., Cook, M. K., Warren, J. R., and Dogger, J. R. (1992). Apple, Miticide Evaluations 1991. In: A.K.Burditt,Jr.(Ed.), *Insecticide and Acaricide Tests, Vol.17*, *Entomol.Soc.of Am., Lanham, MD* 10-12.

EcoReference No.: 76444

- Chemical of Concern: PMR,CBL; Habitat: T; Effect Codes: POP; Rejection Code: NO
COC(DOD),TARGET(CBL),EFFICACY(PMR).
77. Horton, D. L., Sheppard, D. C., Nolan, M. P. Jr., Ottens, R. J., and Joyce, J. A. (1985). House Fly (Diptera: Muscidae) Resistance to Permethrin in a Georgia Caged Layer Poultry Operation. *J.Agric.Entomol.* 2: 196-199.
- EcoReference No.: 99814
Chemical of Concern: PMR; Habitat: T; Effect Codes: MOR; Rejection Code: TARGET(PMR).
78. Hull, L. A. and Starner, V. R. (1983). Impact of Four Synthetic Pyrethroids on Major Natural Enemies and Pests of Apple in Pennsylvania. *J.Econ.Entomol.* 76: 122-130.
- EcoReference No.: 72001
Chemical of Concern: AZ,PMR,PYT,FNV; Habitat: T; Effect Codes: PHY,POP; Rejection Code: TARGET(AZ,FNV,PMR).
79. Hutchison, W. D., Bartels, D. W., and Rinkleff, J. H. (1994). Alfalfa Insect Control on Spring Regrowth in Minnesota, 1991. *Arthropod Manag.Tests* 19: 169-170 (No. 4F).
- EcoReference No.: 88953
Chemical of Concern: MP,PMR,CYH,CPY,MLN; Habitat: T; Effect Codes: POP; Rejection Code: TARGET(MLN,MP,CPY,PMR).
80. Huusela-Veistola, E., Kurppa, S., and Pihlava, J.-M. (1994). Effects of Fenvalerate and Permethrin on Soil Arthropods and on Residues in and Decomposition of Barley Straw. *Agric.Sci.Finl.* 3: 213-223.
- EcoReference No.: 93006
Chemical of Concern: PMR,FNV; Habitat: T; Effect Codes: ACC,POP; Rejection Code: TARGET(PMR,FNV).
81. Idris, A. B. and Grafius, E. (1993). Field Studies on the Effect of Pesticides on the Diamondback Moth (Lepidoptera: Plutellidae) and Parasitism by *Diadegma insulare* (Hymenoptera: Ichneumonidae). *J.Econ.Entomol.* 86: 1196-1202.
- EcoReference No.: 99617
Chemical of Concern: EFV,PMR,CPY,TDC; Habitat: T; Effect Codes: POP; Rejection Code: TARGET(EFV,PMR,CPY,TDC).
82. Iftner, D. C. and Hall, F. R. (1984). The Effects of Fenvalerate and Permethrin Residues on *Tetranychus urticae* Koch Fecundity and Rate of Development. *J.Agric.Entomol.* 1: 191-200.
- EcoReference No.: 71036
Chemical of Concern: PMR,PSM,FNV; Habitat: T; Effect Codes: REP,GRO; Rejection Code: TARGET(FNV,PSM).
83. Iftner, D. C., Hall, F. R., and Sturm, M. M. (1986). Effects of Residues of Fenvalerate and Permethrin on the Feeding Behaviour of *Tetranychus urticae* (Koch). *Pestic.Sci.* 17: 242-248.
- EcoReference No.: 71056
Chemical of Concern: PMR,PSM,FNV; Habitat: T; Effect Codes: REP,BEH; Rejection Code: TARGET(FNV,PSM,PMR).
84. Ignoffo, C. M. and Roush, R. T. (1986). Susceptibility of Permethrin- and Methomyl-Resistant Strains of *Heliothis virescens* (Lepidoptera: Noctuidae) to Representative Species of Entomopathogens. *J.Econ.Entomol.* 79: 334-337.

- EcoReference No.: 74111
 Chemical of Concern: MOM,PMR; Habitat: T; Effect Codes: MOR; Rejection Code: TARGET(MOM,PMR).
85. Immaraju, J. A., Paine, T. D., Bethke, J. A., Robb, K. L., and Newman, J. P. (1992). Western Flower Thrips (Thysanoptera: Thripidae) Resistance to Insecticides in Coastal California Greenhouses. *J.Econ.Entomol.* 85: 9-14.
- EcoReference No.: 73711
 Chemical of Concern: MOM,AV,PMR,CPY,BFT,PPB; Habitat: T; Effect Codes: MOR; Rejection Code: NO MIXTURE,ENDPOINT(PPB),TARGET(BFT,CPY,MOM,PMR).
86. Ioannidis, P. M., Grafius, E., and Whalon, M. E. (1991). Patterns of Insecticide Resistance to Azinphosmethyl, Carbofuran, and Permethrin in the Colorado Potato Beetle (Coleoptera: Chrysomelidae). *J.Econ.Entomol.* 84: 1417-1423.
- Chemical of Concern: CBF,PMR; Habitat: T; Rejection Code: TARGET(PMR).
87. Ito, T. and Hirose, C. (1981). Effects of Permethrin, Fenitrothion and Lindane on Oviposition of *Lyctus Brunneus* Stephens (Coleoptera: Lyctidae). *Appl.Entomol.Zool.* 16: 156-161.
- EcoReference No.: 37253
 Chemical of Concern: PMR,HCCH,FVT; Habitat: T; Effect Codes: MOR,REP; Rejection Code: TARGET(PMR).
88. Jacobs, R. J., Kouskolekas, C. A., and Gross, H. R. (1984). Responses of *Trichogramma pretiosum* (Hymenoptera: Trichogrammatidae) to Residues of Permethrin and Endosulfan. *Environ.Entomol.* 13: 355-358.
- EcoReference No.: 37276
 Chemical of Concern: PMR,ES; Habitat: T; Effect Codes: POP,MOR; Rejection Code: TARGET(PMR).
89. Jadhav, G. D., Pawar, V. M., Chavan, K. M., and Aleemuddin, M. (1990). Dissipation Pattern of Permethrin, Cypermethrin, Acephate and Endosulfan in/on Okra Fruits. *J.Maharashtra Agric.Univ.* 15: 277-278.
- Chemical of Concern: PMR; Habitat: T; Rejection Code: TARGET(PMR).
90. Jallow, M. F. A. and Hoy, C. W. (2006). Quantitative Genetics of Adult Behavioral Response and Larval Physiological Tolerance to Permethrin in Diamondback Moth (Lepidoptera: Plutellidae). *J.Econ.Entomol.* 99: 1388-1395.
- EcoReference No.: 88027
 Chemical of Concern: PMR; Habitat: T; Effect Codes: MOR,BEH,CEL,PHY; Rejection Code: TARGET(PMR).
91. Jarvi, K. J. and Howard, L. (1992). Clover Leaf Weevil Larval Control in Alfalfa, 1991. *Insectic.Acaric.Tests* 17: 176 (5F).
- EcoReference No.: 79772
 Chemical of Concern: CPY,PMR,CBF; Habitat: T; Effect Codes: POP; Rejection Code: TARGET(CPY,PMR),NO COC(DS).
92. Jones, E. M. and Kissam, J. B. (1983). The Effectiveness of Polyvinyl Chloride Plastic Bands Impregnated with Permethrin as a Control for the Northern Fowl Mite, *Ornithonyssus sylviarum* (Canestrini and

- Fanzago), Infesting Caged Laying Chickens. *Poult.Sci.* 62: 1113-1116.
- EcoReference No.: 100171
 Chemical of Concern: PMR; Habitat: T; Effect Codes: POP; Rejection Code: TARGET(PMR).
93. Jones, V. P. and Parrella, M. P. (1984). The Sublethal Effects of Selected Insecticides on Life Table Parameters of Panonychus citri (Acari: Tetranychidae). *Can.Entomol.* 116: 1033-1040.
- EcoReference No.: 71000
 Chemical of Concern: MLN,PMR,OML; Habitat: T; Effect Codes: REP,POP; Rejection Code: TARGET(MLN,PMR),OK(OML).
94. Kale, P. G., Petty, B. T. Jr., Walker, S., Ford, J. B., Dehkordi, N., Tarasia, S., Tasje, B. O., Kale, R., and Sohni, Y. R. (1995). Mutagenicity Testing of Nine Herbicides and Pesticides Currently Used in Agriculture. *Environ.Mol.Mutagen.* 25: 148-153.
- EcoReference No.: 40147
 Chemical of Concern: 24DXY,PMR,TFN,GYPI,PRO; Habitat: T; Effect Codes: CEL; Rejection Code: LITE EVAL CODED(PRO,24DXY,GYPI),TARGET(PMR).
95. Kamel, E. H., McKee, M. J., and Knowles, C. O. (1987). Formamidines and Formanilides as Inhibitors of Permethrin Degradation by Insect Preparations. *J.Econ.Entomol.* 80: 322-326.
- Chemical of Concern: PMR; Habitat: T; Rejection Code: TARGET(PMR).
96. Kapetanakis, E. G., Warman, T. M., and Cranham, J. E. (1986). Effects of Permethrin Sprays on the Mite Fauna of Apple Orchards. *Ann.Appl.Biol.* 108: 21-32.
- EcoReference No.: 71143
 Chemical of Concern: PMR; Habitat: T; Effect Codes: POP,MOR; Rejection Code: TARGET(PMR).
97. Karner, M., Goodson, J., Smith, L. D., and Kelley, M. (1992). Alfalfa Weevil Control, 1991. In: A.K.Burditt,Jr.(Ed.), *Insecticide and Acaricide Tests, Volume 17, Entomol.Soc.of Am., Lanham, MD* 176-177.
- EcoReference No.: 79769
 Chemical of Concern: CYF,PMR,CBF,EFV; Habitat: T; Effect Codes: POP; Rejection Code: LITE EVAL CODED(EFV,CYF),OK(CBF),EFFICACY(PMR).
98. Karunaratne, S. H. P. P. (1999). Insecticide Cross-Resistance Spectra and Underlying Resistance Mechanisms of Sri Lankan Anopheline Vectors of Malaria. *Southeast Asian J.Trop.Med.Public Health* 30: 460-469.
- EcoReference No.: 67077
 Chemical of Concern: MLN,PMR,CPY,PPX,DDT,CYP,DM,LCYT; Habitat: AT; Effect Codes: MOR,BCM; Rejection Code: TARGET(PMR,MLN,CYP),OK(CPY).
99. Kasamatsu, K. and Kawachi, K. (1985). Impact of Six Synthetic Pyrethroides on Kanzawa Spider Mites of Cotton, Japan 1984. *Insectic.Acaric.Tests* 10: 229.
- EcoReference No.: 82424
 Chemical of Concern: FPP,FNV,EFV,PMR,CYP,DM,FNT,MDT; Habitat: T; Effect Codes: POP; Rejection Code: TARGET(EFV,PMR,CYP,FNV,MDT).
100. Kaufman, P. E., Scott, J. G., and Rutz, D. A. (2001). Monitoring Insecticide Resistance in House Flies

(Diptera: Muscidae) from New York Dairies. *Pest Manag.Sci.* 57: 514-521.

EcoReference No.: 66559

Chemical of Concern: MOM,PMR,TVP,DMT,CYF; Habitat: T; Effect Codes: MOR; Rejection Code: TARGET(MOM,DMT,CYF,PMR,TVP).

101. Khan, A. R., Ahmad, I., Naqvi, S. N. H., Majeed, I., Hafeez, A., Jahan, M., Ahmad, M., and Shakoori, A. R. (1994). Determination of Toxicity of Rb-a (Crude Methanolic Extract of Ripe Berries Kernel of Neem) and Sds (Neem Formulation) as Compared With Coopex (Permethrin and Bioallethrin) Against Adult Tribolium Castaneum (Herbst.). *In: Proc.Pak.Congr.Zool., Karachi, Pakistan* 14: 33-37.

Chemical of Concern: PMR; Habitat: T; Rejection Code: TARGET(PMR).

102. Komalamisra, N., Trongtokit, Y., Palakul, K., Prummongkol, S., Samung, Y., Apiwathnasorn, C., Phanpoowong, T., Asavanich, A., and Leemingsawat, S. (2006). Insecticide Susceptibility of Mosquitoes Invading Tsunami-Affected Areas of Thailand. *Southeast Asian J.Trop.Med.Public Health* 37: 118-122.

EcoReference No.: 99646

Chemical of Concern: TMP,MLN,PMR,DM,DDT; Habitat: AT; Effect Codes: MOR; Rejection Code: TARGET(PMR),OK(TMP,MLN).

103. Kristan, M., Fleischmann, H., Della Torre, A., Stich, A., and Curtis, C. F. (2003). Pyrethroid Resistance/Susceptibility and Differential Urban/Rural Distribution of Anopheles arabiensis and An. gambiae s.s. Malaria Vectors in Nigeria and Ghana. *Med.Vet.Entomol.* 17: 326-332.

EcoReference No.: 82507

Chemical of Concern: DDT,DM,PMR; Habitat: T; Effect Codes: MOR; Rejection Code: TARGET(PMR).

104. Kumari, J. P. and Naidu, B. P. (1987). Effects of Permethrin on Organic Constituents of the Silk Worm Bombyx mori. *Environ.Ecol.* 5: 717-719.

EcoReference No.: 39937

Chemical of Concern: PMR; Habitat: T; Effect Codes: BCM; Rejection Code: TARGET(PMR).

105. Ladonni, H. (2001). Evaluation of Three Methods for Detecting Permethrin Resistance in Adult and Nymphal Blattella germanica (Dictyoptera: Blattellidae). *J.Econ.Entomol.* 94: 694-697.

EcoReference No.: 63703

Chemical of Concern: PMR; Habitat: T; Effect Codes: MOR; Rejection Code: TARGET(PMR).

106. Ladonni, H. (2000). Permethrin Resistance Ratios Compared by Two Methods of Testing Nymphs of the German Cockroach, Blattella germanica. *Med.Vet.Entomol.* 14: 213-216.

EcoReference No.: 72815

Chemical of Concern: PMR; Habitat: T; Effect Codes: MOR; Rejection Code: TARGET(PMR).

107. Lasota, J. A., Shelton, A. M., Bolognese, J. A., and Dybas, R. A. (1996). Toxicity of Avermectins to Diamondback Moth (Lepidoptera: Plutellidae) Populations: Implications for Susceptibility Monitoring. *J.Econ.Entomol.* 89: 33-38.

EcoReference No.: 74121

Chemical of Concern: MOM,AV,PMR; Habitat: T; Effect Codes: MOR; Rejection Code: TARGET(MOM,PMR).

108. Lee, C. Y., Yap, H. H., Chong, N. L., and Lee, R. S. T. (1996). Insecticide Resistance and Synergism in Field Collected German Cockroaches (Dictyoptera: Blattellidae) in Peninsular Malaysia. *Bull.Entomol.Res.* 86: 675-682.
- EcoReference No.: 68673
 Chemical of Concern: PTR,DM,DDT,PMR,CYP,PPX,BDC,CPY,PPB,DEF,TBF; Habitat: T; Effect Codes: MOR; Rejection Code: NO MIXTURE(PPB,DEP),TARGET(CPY,PMR,CYP).
109. Lee, S. H., Dunn, J. B., Clark, J. M., and Soderlund, D. M. (1999). Molecular Analysis of kdr-Like Resistance in a Permethrin-Resistant Strain of Colorado Potato Beetle. *Pestic.Biochem.Physiol.* 63: 63-75.
- EcoReference No.: 72759
 Chemical of Concern: PMR; Habitat: T; Effect Codes: MOR; Rejection Code: TARGET(PMR).
110. Leeper, J. R. and Raffa, K. F. (1986). Baseline Data for Evaluating Resistance Development: Dosage /Mortality Studies Using Two Test Methods with Chlorpyrifos, Methomyl and Permethrin in *Heliothis virescens* (F.) and *Heliothis zea* (Boddie) (Lepidoptera: Noctuidae). *Trop Pest Manag.* 32: 137-145.
- Chemical of Concern: MOM,PMR,CPY; Habitat: T; Rejection Code: TARGET(MOM,PMR,CPY).
111. Leonard, B. R., Boethel, D. J., Sparks, A. N. Jr., Layton, M. B., Mink, J. S., Pavloff, A. M., Burris, E., and Graves, J. B. (1990). Variations in Response of Soybean Looper (Lepidoptera: Noctuidae) to Selected Insecticides in Louisiana. *J.Econ.Entomol.* 83: 27-34.
- EcoReference No.: 74115
 Chemical of Concern: MOM,ACP,PMR,LCYT,TLM; Habitat: T; Effect Codes: MOR,POP; Rejection Code: TARGET(MOM,ACP,PMR).
112. Leonard, B. R., Graves, J. B., Sparks, T. C., and Pavloff, A. M. (1988). Variation in Resistance of Field Populations of Tobacco Budworm and Bollworm (Lepidoptera: Noctuidae) to Selected Insecticides. *J.Econ.Entomol.* 81: 1521-1528.
- EcoReference No.: 74119
 Chemical of Concern: FNV,PMR,PFF,DCM,CYP,CYF,MOM,MP; Habitat: T; Effect Codes: MOR; Rejection Code: TARGET(CYP,CYF,MP,FNV,MOM,PMR,PFF).
113. Li, A. Y., Davey, R. B., Miller, R. J., and George, J. E. (2004). Detection and Characterization of Amitraz Resistance in the Southern Cattle Tick, *Boophilus microplus* (Acari: Ixodidae). *J.Med.Entomol.* 41: 193-200.
- EcoReference No.: 88228
 Chemical of Concern: DZ,CMPH,AMZ,PPB,PMR; Habitat: T; Effect Codes: MOR; Rejection Code: TARGET(PMR,DZ,CMPH).
114. Limoe, M., Enayati, A. A., Ladonni, H., Vatandoost, H., Baseri, H., and Oshaghi, M. A. (2007). Various Mechanisms Responsible for Permethrin Metabolic Resistance in Seven Field-Collected Strains of the German Cockroach from Iran, *Blattella germanica* (L.) (Dictyoptera: Blattellidae). *Pestic.Biochem.Physiol.* 87: 138-146.
- EcoReference No.: 92452
 Chemical of Concern: PMR,DDT,PPB,TBF; Habitat: T; Effect Codes: MOR,PHY; Rejection Code: NO CONTROL(TBF),TARGET(PMR).
115. Liu, N. and Yue, X. (2000). Insecticide Resistance and Cross-Resistance in the House Fly (Diptera: Muscidae). *J.Econ.Entomol.* 93: 1269-1275.

- EcoReference No.: 87285
 Chemical of Concern: TBF,TPT,PPB,PMR,CYP,DM,CPY,PPX,FPN,IMC,SS; Habitat: T; Effect Codes: MOR; Rejection Code: NO MIXTURE(TBF,PPB),TARGET(PMR,CYP,CPY,FPN).
116. Lo, P. L. (2004). Toxicity of Pesticides to *Halmus chalybeus* (Coleoptera: Coccinellidae) and the Effect of Three Fungicides on Their Densities in a Citrus Orchard. *N.Z.J.Crop Hortic.Sci.* 32: 69-76.
- EcoReference No.: 78126
 Chemical of Concern: ALSV,BPZ,DZ,CPY,PMR,CuOH,CuS; Habitat: T; Effect Codes: MOR; Rejection Code: OK(CuS),TARGET(CPY,ALSV,DZ,PMR).
117. Lukwa, N. and Manokore, V. (1997). Biological Activity of Permethrin, Phenothrin/Allerthrin and d-Phenothrin on *Periplaneta americana* and *Blattella germanica* Cockroaches. *East Afr.Med.J.* 74: 252-254.
- EcoReference No.: 72918
 Chemical of Concern: PMR,SMT,ATN; Habitat: T; Effect Codes: MOR; Rejection Code: NO MIXTURE(PPB,ATN),TARGET(SMT,PMR).
118. Lyarskii, P. P., Dremova, V. P., Zubova, G. M., Baidarovtseva, M. A., and Tsetlin, V. M. (1983). Insecticidal Properties of Permethrin and Permethrin-Based Agents. *J.Hyg.Epidemiol.Microbiol.Immunol.* 27: 173-178.
- Chemical of Concern: TMT,PMR; Habitat: T; Rejection Code: TARGET (TMT,PMR).
119. Lyons, D. B., Helson, B. V., Jones, G. C., and McFarlane, J. W. (1993). Development of a Chemical Control Strategy for the Pine False Webworm, *Acantholyda erythrocephala* (L.) (Hymenoptera: Pamphiliidae). *Can.Entomol.* 125: 499-511.
- EcoReference No.: 99803
 Chemical of Concern: PPX,ACP,MLN,CBL,PMR,DMT,DZ,CPY; Habitat: T; Effect Codes: POP,REP,MOR; Rejection Code: TARGET(ACP,MLN,CBL,PMR,DMT,DZ,CPY).
120. MacDonald, R. S., Solomon, K. R., Surgeoner, G. A., and Harris, C. R. (1985). Laboratory Studies on the Mechanisms of Resistance to Permethrin in a Field-Selected Strain of Houseflies. *Pestic.Sci.* 16: 10-16.
- EcoReference No.: 93118
 Chemical of Concern: TBF,PMR,PPB; Habitat: T; Effect Codes: MOR; Rejection Code: NO MIXTURE(PPB,TBF),TARGET(PMR).
121. Mahdavi, A., Solomon, K. R., and Hubert, J. J. (1991). Effect of Solanaceous Hosts on Toxicity and Synergism of Permethrin and Fenvalerate in Colorado Potato Beetle (Coleoptera: Chrysomelidae) Larvae. *Environ.Entomol.* 20: 427-432 .
- Chemical of Concern: EFV,PMR; Habitat: T; Rejection Code: TARGET (EFV,PMR).
122. Malcolm, C. A. and Wood, R. J. (1982). Location of a Gene Conferring Resistance to Knockdown by Permethrin and Bioresmethrin in Adults of the BKPM3 Strain of *Aedes aegypti*. *Genetica* 59: 233-237.
- EcoReference No.: 70635
 Chemical of Concern: BRSM,RSM,PMR; Habitat: T; Effect Codes: MOR; Rejection Code: TARGET(RSM,PMR).

123. Mason, G. A., Johnson, M. W., and Tabashnik, B. E. (1987). Susceptibility of *Liriomyza-Sativae* and *Liriomyza-Trifolii* Diptera Agromyzidae to Permethrin and Fenvalerate. *J.Econ.Entomol.* 80: 1262-1266.
- Chemical of Concern: EFV,PMR; Habitat: T; Rejection Code: TARGET (EFV,PMR).
124. Masuh, H., Seccacini, E., De Licastro, S. A., and Zerba, E. (2000). A new Aqueous Suspension Concentrate Formulation of cis-Permethrin and Its Insecticidal Activity. *Pest Manag.Sci.* 56: 1073-1076.
- EcoReference No.: 73032
Chemical of Concern: PMR; Habitat: T; Effect Codes: MOR; Rejection Code: TARGET(PMR).
125. Mau, R., Gusukuma-Minuto, L. R., and Shimabuku, R. S. (1997). Field Evaluation of Fipronil for DCM Control, 1996. *Arthropod Manag.Tests* 22: 101-102 .
- Chemical of Concern: PMR; Habitat: T; Rejection Code: TARGET(PMR).
126. Mazzarri, M. B. and Georghiou, G. P. (1995). Characterization of Resistance to Organophosphate, Carbamate, and Pyrethroid Insecticides in Field Populations of *Aedes aegypti* from Venezuela . *J.Am.Mosq.Control Assoc.* 11: 315-322 .
- EcoReference No.: 74860
Chemical of Concern: PPB,PIRM,TMP,DDT,CYH,PMR,CPY,MLN,PPX,TBF; Habitat: T; Effect Codes: MOR; Rejection Code: NO MIXTURE(PPB),TARGET(MLN,CPY,PMR,TMP).
127. McKee, M. J. and Knowles, C. O. (1984). Effects of Pyrethroids on Respiration in the Twospotted Spider Mite (Acari: Tetranychidae). *J.Econ.Entomol.* 77: 1376-1380.
- EcoReference No.: 71035
Chemical of Concern: FNV,CYP,FVL,FPP,DM,PMR; Habitat: T; Effect Codes: PHY,MOR; Rejection Code: TARGET(CYP,FVL,PMR).
128. McLaughlin, R. E., Focks, D. A., and Dame, D. A. (1989). Residual Activity of Permethrin on Cattle as Determined by Mosquito Bioassays. *J.Am.Mosq.Control Assoc.* 5: 60-63.
- EcoReference No.: 99552
Chemical of Concern: PMR; Habitat: T; Effect Codes: MOR,BEH; Rejection Code: TARGET(PMR).
129. McPherson, R. M., Donahue, D. J., and Poe, S. L. (1989). Oviposition Site Selection by *Tetranychus urticae* Koch Acari tetranychidae in Response to Fenvalerate and Permethrin Residues on Soybean. *J.Entomol.Sci.* 24: 26-33.
- Chemical of Concern: EFV,PMR; Habitat: T; Rejection Code: CROP (EFV),TARGET(PMR).
130. Meisch, M. V., Dame, D. A., Groves, R. L., and Nunez, R. D. (1994). Assessment of *Anopheles quadrimaculatus* Response to Permethrin and Resmethrin by Topical Application. *J.Am.Mosq.Control Assoc.* 10: 437-439.
- EcoReference No.: 69761
Chemical of Concern: RSM,PMR; Habitat: T; Effect Codes: MOR; Rejection Code: TARGET(RSM,PMR).
131. Meleney, W. P. and Roberts, I. H. (1979). Trials with Eight Acaricides Against *Psoroptes ovis* the Sheep Scabies Mite. In: *J.G.Rodriguez (Ed.), Recent Advances in Acarology, Volume II, Academic*,

- NY 95-101.
- EcoReference No.: 71115
Chemical of Concern: CPY,PMR,PSM; Habitat: T; Effect Codes: POP; Rejection Code: TARGET(PSM,CPY,PMR).
132. Meyer, J. A. and Georghiou, G. P. (1988). Effect of Permethrin on House Fly Resistance. *Calif.Agric.* 42: 10-12.
- EcoReference No.: 68669
Chemical of Concern: PMR,PPB; Habitat: T; Effect Codes: MOR; Rejection Code: NO MIXTURE(PPB),TARGET(PMR).
133. Mink, J. S. and Boethel, D. J. (1993). Feeding Activity and Mortality of Permethrin-Resistant and Susceptible Soybean Looper (Lepidoptera: Noctuidae) Larvae on Soybean Foliage Treated with Insecticide. *J.Econ.Entomol.* 86: 265-274 .
- EcoReference No.: 89285
Chemical of Concern: TDC,PMR; Habitat: T; Effect Codes: MOR,BEH; Rejection Code: TARGET(PMR,TDC).
134. Mochizuki, M. (1994). Variations in Insecticide Susceptibility of the Predatory Mite, *Amblyseius womersleyi* Schicha (Acarina: Phytoseiidae), in the Tea Fields of Japan. *Appl.Entomol.Zool.* 29: 203-209.
- EcoReference No.: 62893
Chemical of Concern: MOM,MDT,PMR,CYP,FNV,FPP,FVL; Habitat: T; Effect Codes: MOR; Rejection Code: TARGET(CYP,FVL,FNV,MOM,PMR,MDT).
135. Mohamed, F. S. A., Abbassy, M. M., Darwish, Z. E. A., Tetreault, G. E., Marzouk, A. S., Shoukry, M. A., Fryauff, D. J., and Beavers, G. M. (2000). Effects of Permethrin on the Salivary Glands and Neuroendocrine Organs of Unfed Female *Hyalomma (Hyalomma) dromedarii* (Ixodiodea: Ixodidae). *J.Med.Entomol.* 37: 393-400.
- EcoReference No.: 59570
Chemical of Concern: PMR; Habitat: T; Effect Codes: PHY,CEL; Rejection Code: TARGET(PMR).
136. Morishita, M. (2001). Toxicity of Some Insecticides to Larvae of *Frankliniella occidentalis* (Pergande) (Thysanoptera: Thripidae) Evaluated by the Petri Dish-Spraying Tower Method. *Appl.Entomol.Zool.* 36: 137-141.
- EcoReference No.: 82021
Chemical of Concern: PRB,EMMB,THO,ACT,EFX,TDL,PIM,PHSL,PIRM,DMT,FNTH,MLN,DDVP,ACT,LUF,TCF,CYP,ES,SS,IMC,FVL,PMR,CBL,MOM,ALP,FNT,MDT,CPY,FF,DZ,BFT; Habitat: T; Effect Codes: MOR; Rejection Code: TARGET(MLN,DZ,CBL,MOM,CPY,EFX,PMR).
137. Mulla, M. S., Darwazeh, H. A., and Dhillon, M. S. (1980). New Pyrethroids as Mosquito Larvicides and Their Effects on Nontarget Organisms. *Mosq.News* 40: 7-13.
- EcoReference No.: 13421
Chemical of Concern: DCM,PMR,FNV,SMT; Habitat: T; Effect Codes: MOR,POP; Rejection Code: TARGET(PMR,FNV,SMT).
138. Mullens, B. A., Gerry, A. C., and Velten, R. K. (2001). Failure of a Permethrin Treatment Regime to

- Protect Cattle Against Bluetongue Virus. *J.Med.Entomol.* 38: 760-762.
- EcoReference No.: 99605
Chemical of Concern: PMR; Habitat: T; Effect Codes: BCM,POP; Rejection Code: EFFICACY(PMR).
139. Naqvi, S. N. H., Ali, S. M., Khan, M. F., Tabussam, R., Azmi, M. A., Ahmad, M., and Shakoori, A. R. (1992). Determination of Comparative Efficacy of Neem Fraction (Rba) and Coopex, Against Grasshoppers in Field and Laboratory. *In: Proc.Pak.Congr.Zool.*
- Chemical of Concern: PMR; Habitat: T; Rejection Code: TARGET(PMR).
140. Nayak, M. K., Collins, P. J., and Kopittke, R. A. (2002). Comparative Residual Toxicities of Carbaryl, Deltamethrin and Permethrin as Structural Treatments Against Three Liposcelidid Psocid Species (Psocoptera: Liposcelididae) Infesting Stored Commodities. *J.Stored Prod.Res.* 38: 247-258.
- EcoReference No.: 66204
Chemical of Concern: DM,PMR,CBL; Habitat: T; Effect Codes: MOR; Rejection Code: TARGET(CBL,PMR).
141. Nazni, W. A., Ursula, M. P., Lee, H. L., and Sa'diyah, I. (1999). Susceptibility of *Musca domestica* L. (Diptera: Muscidae) from Various Breeding Sites to Commonly Used Insecticides. *J.Vector Ecol.* 23: 54-60.
- EcoReference No.: 74257
Chemical of Concern: LCYT,MLN,DDT,PMR,BDC; Habitat: T; Effect Codes: MOR; Rejection Code: NO COC(MLT),TARGET (MLN,PMR).
142. Noetzel, D. and Holder, B. (1992). Control of Pyrethroid Resistant Colorado Potato Beetle, 1989. *In: A.K.Burditt,Jr.(Ed.), Insecticide and Acaricide Tests, Volume 17, Entomol.Soc.of Am., Lanham, MD* 133.
- EcoReference No.: 78878
Chemical of Concern: ADC,PRT,AZD,CYH,ES,MP,EFV,PMR; Habitat: T; Effect Codes: PHY; Rejection Code: LITE EVAL CODED(PRT),TARGET(MP,ADC,EFV,AZD,PMR).
143. Nolan, J. and Bird, P. E. (1977). Co-toxicity of Synthetic Pyrethroids and Organophosphorus Compounds Against the Cattle Tick (*Boophilus microplus*). *J.Aust.Entomol.Soc.* 16: 252.
- EcoReference No.: 72322
Chemical of Concern: PMR,CYP,PYT,ETN; Habitat: T; Effect Codes: POP,MOR; Rejection Code: TARGET(PMR,CYP).
144. Nord, J. C., DeBarr, G. L., Overgaard, N. A., Neel, W. W., Cameron, R. S., and Godbee, J. F. (1984). High-Volume Applications of Azinphosmethyl, Fenvalerate, Permethrin, and Phosmet for Control of Coneworms (Lepidoptera: Pyralidae) and Seed Bugs (Hemiptera: Coreidae and Pentatomidae) in Southern Pine Seed Orchards. *J.Econ.Entomol.* 77: 1589-1595.
- Chemical of Concern: PSM,PMR; Habitat: T; Rejection Code: EFFICACY (PSM,PMR).
145. Oberhauser, K. S., Brinda, S. J., Weaver, S., Moon, R. D., Manweiler, S. A., and Read, N. (2006). Growth and Survival of Monarch Sutterflies (Lepidoptera: Danaidae) After Exposure to Permethrin Barrier Treatments. *Environ.Entomol.* 35: 1626-1634.
- EcoReference No.: 88116
Chemical of Concern: PMR; Habitat: T; Effect Codes: MOR,GRO,REP; Rejection Code:

TARGET(PMR).

146. Ogunwolu, O. and Idowu, O. (1994). Potential of Powdered *Zanthoxylum zanthoxyloides* (Rutaceae) Root Bark and *Azadirachta indica* (Meliaceae) Seed for Control of the Cowpea Seed Bruchid, *Callosobruchus maculatus* (Bruchidae) in Nigeria. *J.Afr.Zool.* 108: 521-528.
- EcoReference No.: 99601
Chemical of Concern: PMR,PIRM; Habitat: T; Effect Codes: PHY,MOR,GRO; Rejection Code: EFFICACY(PMR).
147. Oloumi-Sadeghi, H. and Eastman, C. E. (1992). Control of Diamondback Moth on Horseradish, 1991. *Insectic.Acaric.Tests* 17: 114 (53E).
- EcoReference No.: 82443
Chemical of Concern: DKG,ES,PMR,MOM; Habitat: T; Effect Codes: POP; Rejection Code: LITE EVAL CODED(DKG,MOM),NO COC(TFZ),TARGET(PMR).
148. Omar, D. and Matthews, G. A. (1990). The Rainfastness of Permethrin Deposits of Emulsifiable Concentrate (EC) and Ultra-Low-Volume (ULV) Formulation on Brussels Sprout Leaves. *Trop.Pest Manag.* 36: 159-161.
- EcoReference No.: 99355
Chemical of Concern: PMR; Habitat: T; Effect Codes: MOR; Rejection Code: TARGET(PMR).
149. Omer, A. D., Johnson, M. W., Tabashnik, B. E., Costa, H. S., and Ullman, D. E. (1993). Sweetpotato Whitefly Resistance to Insecticides in Hawaii: Intra-island Variation is Related to Insecticide Use. *Entomol.Exp.Appl.* 67: 173-182.
- EcoReference No.: 74148
Chemical of Concern: MOM,ACP,PMR; Habitat: T; Effect Codes: MOR; Rejection Code: TARGET(MOM,ACP,PMR).
150. Osman, A. A., Watson, T. F., and Sivasupramaniam, S. (1991). Susceptibility of Field Populations of Pink Bollworm (Lepidoptera: Gelechiidae) to Azinphosmethyl and Permethrin and Synergism of Permethrin. *J.Econ.Entomol.* 84: 358-362 .
- EcoReference No.: 93234
Chemical of Concern: AZ,PMR,PPB,TBF; Habitat: T; Effect Codes: MOR; Rejection Code: NO MIXTURE(PPB,TBF),TARGET(AZ,PMR).
151. Ostlie, K. R. (1992). Insecticide Performance Against First-Generation European Corn Borer-Liquids vs Granules, 1991. In: A.K.Burditt,Jr.(Ed.), *Insecticide and Acaricide Tests, Volume 17*, *Entomol.Soc.of Am., Lanham, MD* 215-216.
- EcoReference No.: 79800
Chemical of Concern: BFT,MP,CBF,CYF,FNF,CPY,EFV,DZ,CBL,PMR,LCYT; Habitat: T; Effect Codes: POP; Rejection Code: LITE EVAL CODED(BFT,CYF,EFV),TARGET(DZ,PMR,CBL,MP,CPY).
152. Otranto, D., Paradies, P., Lia, R. P., Latrofa, M. S., Testini, G., Cantacessi, C., Mencke, N., Galli, G., Capelli, G., and Stanneck, D. (2007). Efficacy of a Combination of 10% Imidacloprid/50% Permethrin for the Prevention of Leishmaniasis in Kennelled Dogs in an Endemic Area. *Vet.Parasitol.* 144: 270-278.
- EcoReference No.: 99843
Chemical of Concern: IMC,PMR; Habitat: T; Effect Codes: POP; Rejection Code:

- TARGET(IMC,PMR).
153. Ottens, R. J., Todd, J. W., Herzog, G. A., and Bass, M. H. (1984). Toxicity of Selected Insecticides to Laboratory and Field Colonies of the Soybean Looper. *J.Agric.Entomol.* 1: 367-370.
- EcoReference No.: 73702
 Chemical of Concern: MOM,ACP,FNV,PMR,MP; Habitat: T; Effect Codes: MOR; Rejection Code: TARGET(MOM,MP,FNV,ACP,PMR).
154. Pan, B., Li, Z. Z., Wu, Y. G., Zhang, M. Z., Li, M. X., and Yang, X. (1996). Laboratory Evaluation on the Toxic Effects of Bednets Impregnated with Permethrin Against Malaria Mosquitos. *Southeast Asian J.Trop.Med.Public Health* 27: 828-833.
- EcoReference No.: 47637
 Chemical of Concern: PMR; Habitat: T; Effect Codes: MOR; Rejection Code: TARGET(PMR).
155. Pap, L. and Farkas, R. (1994). Monitoring of Resistance of Insecticides in House Fly (*Musca domestica*) Populations in Hungary. *Pestic.Sci.* 40: 245-258 .
- EcoReference No.: 70791
 Chemical of Concern:
 RSM,DDT,HCCH,MOM,CYP,DM,BRSM,PMR,MLN,TCF,PTP,DFZ,CYR,PYN,PPX; Habitat: T; Effect Codes: MOR,POP; Rejection Code: TARGET(MLN,CYP,RSM,CYR,MOM,PMR,PTP).
156. Papadopoulou-Mourkidou, E. and Tomazou, T. (1991). Persistence and Activity of Permethrin in Stored Wheat and Its Residues in Wheat Milling Fractions. *J.Stored Prod.Res.* 27: 249-254.
- EcoReference No.: 99918
 Chemical of Concern: PMR,PPB; Habitat: T; Effect Codes: MOR,ACC,REP; Rejection Code: TARGET(PMR),NO MIXTURE(PPB).
157. Parker, T. J., Greenwood, R., Ford, M. G., and Peace, E. A. (1991). The Effect of alpha-Cyano Substitution on the Toxicities of a Pair of Pyrethroid Insecticides. *In: 7th Int.Congr.Pestic.Chem., Aug.5-10, 1990, Hamburg,Germany / Pestic.Sci.* 31: 104-105.
- EcoReference No.: 75267
 Chemical of Concern: PMR,CYP; Habitat: T; Effect Codes: ACC,MOR; Rejection Code: TARGET(CYP,PMR).
158. Parr, J. C. and Pass, B. C. (1992). Alfalfa Weevil Control, 1991. *Insectic.Acaric.Tests* 17: 179-180 (10F).
- EcoReference No.: 79799
 Chemical of Concern: CBF,CPY,PMR,LCYT; Habitat: T; Effect Codes: POP; Rejection Code: TARGET(CPY,PMR),OK(CBF).
159. Parr, J. C. and Pass, B. C. (1992). Potato Leafhopper Control, 1991. *In: A.K.Burditt,Jr.(Ed.), Insecticide and Acaricide Tests, Volume 17, Entomol.Soc.of Am., Lanham, MD* 180.
- EcoReference No.: 79798
 Chemical of Concern: PMR,LCYT,CBF,DMT,CPY; Habitat: T; Effect Codes: POP; Rejection Code: TARGET (DMT,CPY,PMR).
160. Parrella, M. P. (1983). Evaluations of Selected Insecticides for Control of Permethrin-Resistant *Liriomyza trifolii* (Diptera: Agromyzidae) on Chrysanthemum. *J.Econ.Entomol.* 76: 1460-1464.

- EcoReference No.: 94800
Chemical of Concern: CYR; Habitat: T; Effect Codes: POP,PHY; Rejection Code: LITE EVAL CODED(CYR),EFFICACY(PMR).
161. Payne, G. T., Blenk, R. G., and Brown, T. M. (1988). Inheritance of Permethrin Resistance in the Tobacco Budworm (Lepidoptera: Noctuidae). *J.Econ.Entomol.* 81: 65-73.
- EcoReference No.: 62666
Chemical of Concern: PMR; Habitat: T; Effect Codes: MOR; Rejection Code: TARGET(PMR).
162. Penman, D. R. and Chapman, R. B. (1983). Fenvalerate-Induced Distributional Imbalances of Two-Spotted Spider Mite on Bean Plants. *Entomol.Exp.Appl.* 33: 71-78.
- EcoReference No.: 71146
Chemical of Concern: AZ,PMR,FNV; Habitat: T; Effect Codes: POP; Rejection Code: TARGET(AZ,FNV,PMR).
163. Picollo, M. I., Vassena, C. V., Mougabure Cueto, G. A., Vernetti, M., and Zerba, E. N. (2000). Resistance to Insecticides and Effect of Synergists on Permethrin Toxicity in *Pediculus capitis* (Anoplura: Pediculidae) from Buenos Aires. *J.Med.Entomol.* 37: 721-725.
- EcoReference No.: 59603
Chemical of Concern: PMR,CBL,DM; Habitat: T; Effect Codes: MOR; Rejection Code: TARGET(CBL,PMR).
164. Pitre, H. N. (1988). Relationship of Fall Armyworm (Lepidoptera: Noctuidae) from Florida, Honduras, Jamaica, and Mississippi: Susceptibility to Insecticides with Reference to Migration. *Fla.Entomol.* 71: 56-61.
- EcoReference No.: 73699
Chemical of Concern: MOM,CBL,PMR,CPY,MP; Habitat: T; Effect Codes: MOR; Rejection Code: TARGET(MOM,MP,CPY,CBL,PMR).
165. Pleass, R. J., Armstrong, J. R. M., Curtis, C. F., Jawara, M., and Lindsay, S. W. (1993). Comparison of Permethrin Treatments for Bednets in the Gambia. *Bull.Entomol.Res.* 83: 133-139.
- EcoReference No.: 100255
Chemical of Concern: PMR; Habitat: T; Effect Codes: MOR,BEH; Rejection Code: TARGET(PMR).
166. Prabhaker, N., Coudriet, D. L., and Toscano, N. C. (1988). Effect of Synergists on Organophosphate and Permethrin Resistance in Sweetpotato Whitefly Homoptera aleyrodidae. *J.Econ.Entomol.* 81: 34-39.
- EcoReference No.: 53285
Chemical of Concern: PMR,PPB,PPX,DDT,SPS,MP,MLN,TBF; Habitat: T; Effect Codes: MOR; Rejection Code: OK(MP,SPS,DDT),NO MIXTURE(PPB),TARGET(MLN,MP,PMR).
167. Prabhaker, N., Toscano, N. C., and Coudriet, D. L. (1989). Susceptibility of the Immature and Adult Stages of the Sweetpotato Whitefly (Homoptera: Aleyrodidae) to Selected Insecticides. *J.Econ.Entomol.* 82: 983-988.
- EcoReference No.: 89556
Chemical of Concern: MP,SPS,MLN,PMR; Habitat: T; Effect Codes: MOR; Rejection Code: TARGET(MP,MLN,PMR).

168. Pree, D. J., Marshall, D. B., and Archibald, D. E. (1990). Resistance to Methomyl in Populations of the Spotted Tentiform Leafminer (Lepidoptera: Gracillariidae) from Southern Ontario. *J.Econ.Entomol.* 83: 320-324.
- EcoReference No.: 74136
 Chemical of Concern: MOM,OML,PMR,DFZ; Habitat: T; Effect Codes: MOR; Rejection Code: TARGET(MOM,PMR,OML).
169. Pree, D. J., Stevenson, A. B., and Barszcz, E. S. (1996). Toxicity of Pyrethroid Insecticides to Carrot Weevils: Enhancement by Synergists and Oils. *J.Econ.Entomol.* 89: 1254-1261.
- Chemical of Concern: PPB,PYT,CYP,PSM,TBF,PMR; Habitat: T; Rejection Code: TARGET(CYP,PSM,PMR) .
170. Pridgeon, J. W., Appel, A. G., Moar, W. J., and Liu, N. (2002). Variability of Resistance Mechanisms in Pyrethroid Resistant German Cockroaches (Dictyoptera: Blattellidae). *Pestic.Biochem.Physiol.* 73: 149-156.
- EcoReference No.: 74862
 Chemical of Concern: PPB,DM,PMR,TBF; Habitat: T; Effect Codes: MOR,CEL; Rejection Code: NO MIXTURE(PPB),OK(DM),TARGET(PMR).
171. Priester, T. M. and Georghiou, G. P. (1978). Induction of High Resistance to Permethrin in *Culex pipiens quinquefasciatus*. *J.Econ.Entomol.* 1: 197-200.
- EcoReference No.: 67157
 Chemical of Concern: PMR,TBF; Habitat: T; Effect Codes: MOR; Rejection Code: OK(TBF),TARGET(PMR).
172. Purcell, M. F., Stark, J. D., and Messing, R. H. (1994). Insecticide Effect on Three Tephritid Fruit Flies and Associated Braconid Parasitoids in Hawaii. *J.Econ.Entomol.* 87: 1455-1462.
- EcoReference No.: 99616
 Chemical of Concern: PMR,MLN,CBL,Naled; Habitat: T; Effect Codes: MOR,GRO,BEH; Rejection Code: TARGET(PMR,MLN,CBL,Naled).
173. Rai, S., Agnihotri, N. P., and Jain, H. K. (1986). Persistence of Residues of Synthetic Pyrethroids on Cauliflower and Their Residual Toxicity Against Aphids. *Indian J.Agric.Sci.* 56: 667-670.
- EcoReference No.: 99597
 Chemical of Concern: CYP,PMR,FNV,FPP,TCF; Habitat: T; Effect Codes: POP,ACC; Rejection Code: TARGET(CYP,PMR).
174. Rani, S., Tabassum, R., Naqvi, S. N. H., Sultan, A. B., and Khan, M. F. (1997). Comparative Toxicity of Different Formulations of Cypermethrin, Deltamethrin and Permethrin Against *Drosophila melanogaster* (K.U. Strain). *J.Enviro.Biol.* 18: 343-349.
- EcoReference No.: 53418
 Chemical of Concern: CYP,DM,PMR,PPB; Habitat: T; Effect Codes: MOR; Rejection Code: NO MIXTURE(PPB),TARGET(CYP,PMR).
175. Respicio, N. C. and Forgash, A. J. (1984). Contact Toxicity of Six Insecticides to the Gypsy Moth (Lepidoptera: Lymantriidae) and Its Parasites *Brachymeria intermedia* (Hymenoptera: Chalcididae) and *Compsilura concinnata* (Diptera: Tachinidae). *Environ.Entomol.* 13: 1357-1360.
- EcoReference No.: 99802

- Chemical of Concern: PMR,CBL,ACP,FNTH; Habitat: T; Effect Codes: MOR; Rejection Code: TARGET(PMR,CBL,ACP).
176. Rethwisch, M. D., Tellez, D., and McDaniel, C. W. (1992). Control of Early Season Alfalfa Insects, 1991. *Insectic.Acaric.Tests* 180-182.
- EcoReference No.: 79797
Chemical of Concern: PYN,DMT,CPY,LCYT,CYP,PMR,CBF; Habitat: T; Effect Codes: POP; Rejection Code: TARGET(DMT,CPY,CYP,PMR).
177. Rey, D., Cuany, A., Pautou, M. P., and Meyran, J. C. (1999). Differential Sensitivity of Mosquito Taxa to Vegetable Tannins. *J.Chem.Ecol.* 25: 537-548 .
- Chemical of Concern: PPB; Habitat: T; Rejection Code: TARGET(PMR).
178. Rice, M. E. and Pilcher, C. D. (1997). Imported Longhorned Weevil, *Calomycterus setarius*, Defoliation and Damage to Soybean in Iowa. *J.Kans.Entomol.Soc.* 70: 272-280.
- EcoReference No.: 99727
Chemical of Concern: PMR,CPY,CBL; Habitat: T; Effect Codes: POP,GRO; Rejection Code: EFFICACY(PMR,CPY,CBL).
179. Riley, D. G. and Schuster, D. J. (1992). The Occurrence of *Catolaccus hunteri*, a Parasitoid of *Anthonomus eugenii*, in Insecticide Treated Bell Pepper. *Southwest Entomol.* 17: 71-72.
- EcoReference No.: 99813
Chemical of Concern: PMR,OML; Habitat: T; Effect Codes: POP; Rejection Code: TARGET(PMR,OML).
180. Rinkleff, J. H., Hutchison, W. D., Campbell, C. D., Bolin, P. C., and Bartels, D. W. (1995). Insecticide Toxicity in European Corn Borer (Lepidoptera: Pyralidae): Ovicidal Activity and Residual Mortality to Neonates. *J.Econ.Entomol.* 88: 246-253.
- EcoReference No.: 74109
Chemical of Concern: MOM,PMR,MP,TDL,ZCYP,CYP; Habitat: T; Effect Codes: MOR; Rejection Code: TARGET(CYP,MP,MOM,PMR).
181. Robert, L. L., Schneider, I., and Wirtz, R. A. (1991). DEET and Permethrin as Protectants Against Malaria-Infected and Uninfected *Anopheles stephensi* Mosquitoes. *J.Am.Mosq.Control Assoc.* 7: 304-306.
- EcoReference No.: 66640
Chemical of Concern: PMR; Habitat: T; Effect Codes: PHY,POP; Rejection Code: TARGET(PMR).
182. Romi, R., Toma, L., Severini, F., and Di Luca, M. (2003). Susceptibility of Italian Populations of *Aedes albopictus* to Temephos and to Other Insecticides. *J.Am.Mosq.Control Assoc.* 19: 419-423.
- EcoReference No.: 99599
Chemical of Concern: TMP,CPY,DM,PMR,FNTH; Habitat: AT; Effect Codes: MOR; Rejection Code: OK(TMP,CPY),TARGET(PMR).
183. Rose, R. L., Sparks, T. C., and Smith, C. M. (1988). Insecticide Toxicity to the Soybean Looper and the Velvetbean Caterpillar (Lepidoptera: Noctuidae) as Influenced by Feeding on Resistant Soybean (PI 227687) Leaves and Coumestrol. *J.Econ.Entomol.* 81: 1288-1294.

- EcoReference No.: 74118
 Chemical of Concern: ACP,PMR,FNV,MP,MOM; Habitat: T; Effect Codes: MOR,GRO; Rejection Code: TARGET(ACP,MP,PMR,FNV,MOM).
184. Roush, R. T. and Hoy, M. A. (1978). Relative Toxicity of Permethrin to a Predator, *Metaseiulus occidentalis* and Its Prey, *Tetranychus urticae*. *Environ.Entomol.* 7: 287-288.
- Chemical of Concern: PMR; Habitat: T; Rejection Code: TARGET(PMR).
185. Salama, H. S., Foda, M. S., Zaki, F. N., and Moawad, S. (1984). Potency of Combinations of *Bacillus thuringiensis* and Chemical Insecticides on *Spodoptera littoralis* (Lepidoptera: Noctuidae). *J.Econ.Entomol.* 77: 885-890.
- EcoReference No.: 74456
 Chemical of Concern: MOM,CBL,FNV,DMT,PMR,PFF,CYP,DFZ; Habitat: T; Effect Codes: MOR; Rejection Code: TARGET(MOM,FNV,DMT,CYP,CBL,PMR,PFF).
186. Schmidt, C. D., Kunz, S. E., Petersen, H. D., and Robertson, J. L. (1985). Resistance of Horn Flies (Diptera: Muscidae) to Permethrin and Fenvalerate. *J.Econ.Entomol.* 78: 402-406.
- Chemical of Concern: EFV,PMR; Habitat: T; Rejection Code: TARGET (EFV,PMR).
187. Schmidt, C. D., Kunz, S. E., Petersen, H. D., and Robertson, J. L. (1985). Resistance of Horn Flies *Haematobia irritans* Diptera Muscidae to Permethrin and Fenvalerate. *J.Econ.Entomol.* 78: 402-406.
- Chemical of Concern: EFV,PMR; Habitat: T; Rejection Code: TARGET (EFV,PMR).
188. Schuster, D. J. (1992). Insecticides for Management of the Sweetpotato Whitefly on Fresh Market Tomatoes in West-Central Florida, Spring, 1990. In: A.K.Burditt,Jr.(Ed.), *Insecticide and Acaricide Tests, Volume 17, Entomol.Soc.of Am., Lanham, MD* 163.
- EcoReference No.: 79260
 Chemical of Concern: PMR,BFT,CYH,CPY; Habitat: T; Effect Codes: POP; Rejection Code: TARGET(CPY,BFT,PMR).
189. Schuster, D. J. (1994). Life-Stage Specific Toxicity of Insecticides to Parasitoids of *Liriomyza trifolii* (Burgess) (Diptera: Agromyzidae). *Int.J.Pest Manag.* 40: 191-194.
- EcoReference No.: 74151
 Chemical of Concern: CYR,TDC,FNV,MOM,PMR,MTM,ES; Habitat: T; Effect Codes: MOR; Rejection Code: TARGET(TDC,MTM,FNV,CYR,MOM,PMR).
190. Scott, J. G., Alefantis, T. G., Kaufman, P. E., and Rutz, D. A. (2000). Insecticide Resistance in House Flies from Caged-Layer Poultry Facilities. *Pest Manag.Sci.* 56: 147-153.
- EcoReference No.: 64291
 Chemical of Concern: CYR,CYF,DMT,FPN,TVP,PMR,SS,PYN,MOM; Habitat: T; Effect Codes: MOR,GRO; Rejection Code: TARGET(DMT,CYF,FPN,MOM,CYR,PMR,TVP).
191. Scott, J. G., Cochran, D. G., and Siegfried, B. D. (1990). Insecticide Toxicity, Synergism, and Resistance in the German Cockroach (Diptoptera: Blattellidae). *J.Econ.Entomol.* 83: 1698-1703.
- EcoReference No.: 64293
 Chemical of Concern: PPX,PMR,MLN,DM,CYP,CPY,BDC,PYN,PPB,DEF,TBF; Habitat: T; Effect Codes: MOR; Rejection Code: NO MIXTURE(PPB,DEF),TARGET(MLN,CYP,CPY,PMR).

192. Scott, J. G., Geden, C. J., Rutz, D. A., and Liu, N. N. (1991). Comparative Toxicity of Seven Insecticides to Immature Stages of *Musca domestica* (Diptera: Muscidae) and Two of Its Important Biological Control Agents, *Muscidifurax raptor* and *Spalangia cameroni* (Hymenoptera: Pteromalidae). *J.Econ.Entomol.* 84: 776-779.
- Chemical of Concern: PPB,DMT,PMR; Habitat: T; Rejection Code: TARGET(DMT,PMR).
193. Scott, J. G. and Georghiou, G. P. (1986). Mechanisms Responsible for High Levels of Permethrin Resistance in the House Fly. *Pestic.Sci.* 17: 195-206 .
- EcoReference No.: 93115
 Chemical of Concern:
 PPB,TBF,Naled,MOM,DMT,FVL,ATN,PMR,SMT,CYF,BRSM,BFT,FNV,CYH,DM,FYT,AND,DD T,DDVP,AV; Habitat: T; Effect Codes: MOR,ACC; Rejection Code: NO MIXTURE(TBF,PPB),TARGET(FNV,CYF,SMT,PMR,DMT,MOM,Naled,FVL,BFT,BRSM,ATN).
194. Scott, J. G. and Georghiou, G. P. (1985). Rapid Development of High-Level Permethrin Resistance in a Field-Collected Strain of the House Fly (Diptera: Muscidae) Under Laboratory Selection. *J.Econ.Entomol.* 78: 316-319.
- EcoReference No.: 74114
 Chemical of Concern: DDVP,DDT,MOM,PMR,DMT,Naled; Habitat: T; Effect Codes: MOR; Rejection Code: TARGET(MOM,PMR,DMT,Naled).
195. Shannag, H. K., Webb, S. E., and Capinera, J. L. (1994). Entomopathogenic Nematode Effect on Pickleworm (Lepidoptera: Pyralidae) Under Laboratory and Field Conditions. *J.Econ.Entomol.* 87: 1205-1212.
- EcoReference No.: 99851
 Chemical of Concern: FSTAL,MZB,CTN,PMR; Habitat: T; Rejection Code: EFFICACY(FSTAL,PMR).
196. Sharma, S. N., Saxena, V. K., and Lal, S. (2004). Study on Susceptibility Status in Aquatic and Adult Stages of *Aedes aegypti* and *Ae. albopictus* Against Insecticides at International Airports of South India. *J.Communi.Dis.* 36: 177-181.
- EcoReference No.: 99648
 Chemical of Concern: DDT,DLD,MLN,DM,PMR,LCYT,FNT,PPX,FNTH,TMP; Habitat: AT; Effect Codes: MOR; Rejection Code: TARGET(PMR),OK(MLN,TMP).
197. Shelton, A. M. and Soderlund, D. M. (1983). Varying Susceptibility to Methomyl and Permethrin in Widely Separated Cabbage Looper (Lepidoptera: Noctuidae) Populations Within Eastern North America. *J.Econ.Entomol.* 76: 987-989 .
- Chemical of Concern: MOM,PMR; Habitat: T; Rejection Code: TARGET(MOM,PMR).
198. Shemanchuk, J. A. (1981). Repellent Action of Permethrin, Cypermethrin and Resmethrin Against Black Flies (*Simulium* spp.) Attacking Cattle. *Pestic.Sci.* 12: 412-416.
- EcoReference No.: 70653
 Chemical of Concern: RSM,CYP,PMR; Habitat: T; Effect Codes: BEH; Rejection Code: TARGET(CYP,RSM,PMR).
199. Sheppard, D. C. and Joyce, J. A. (1992). High Levels of Pyrethroid Resistance in Horn Flies (Diptera: Muscidae) Selected with Cyhalothrin. *J.Econ.Entomol.* 85: 1587-1593.

- Chemical of Concern: PPB,PYT,CYP,PMR; Habitat: T; Rejection Code: TARGET(CYP,PMR).
200. Shields, E. J. and Taylor, P. S. (1992). Alfalfa Weevil Control in Alfalfa, 1991. *In: A.K.Burditt,Jr.(Ed.), Insecticide and Acaricide Tests, Volume 17, Entomol.Soc.of Am., Lanham, MD* 182-183.
- EcoReference No.: 79795
Chemical of Concern: CYF,CBF,2CYT,CPY,MP,PMR; Habitat: T; Effect Codes: POP; Rejection Code: OK(CBF),TARGET(MP,CPY,CYF,PMR).
201. Shimada, K., Natsuhara, K., Oomori, Y., and Miyata, T. (2005). Permethrin Resistance Mechanisms in the Beet Armyworm (Spodoptera exigua (Huebner)). *J.Pestic.Sci.* 30: 214-219.
- Chemical of Concern: EFV,PMR; Habitat: T; Rejection Code: TARGET (EFV,PMR).
202. Singh, K., Upadhyay, K. D., Srivastava, A. S., and Singh, S. V. (1987). Persistence and Residual Toxicity of Field Weathered Deposits of Some Modern Insecticides on Okra. *Pesticides* 21: 40-42.
- EcoReference No.: 75329
Chemical of Concern: FNV,CYP,CPY,ES,DMT,PPHD,PHSL,PMR; Habitat: T; Effect Codes: ACC,MOR; Rejection Code: LITE EVAL CODED(CYP),TARGET(CPY,PMR,FNV),OK(ES,DMT,PPHD,PHSL).
203. Solberg, V. B., Miller, J. A., Hadfield, T., Burge, R., Schech, J. M., and Pound, J. M. (2003). Control of Ixodes scapularis (Acari: Ixodidae) with Topical Self-Application of Permethrin by White-Tailed Deer Inhabiting NASA, Beltsville, Maryland. *J.Vector Ecol.* 28: 117-134.
- EcoReference No.: 100131
Chemical of Concern: PMR; Habitat: T; Effect Codes: POP; Rejection Code: EFFICACY(PMR).
204. Somboon, P., Prapanthadara, L. A., and Suwonkerd, W. (2003). Insecticide Susceptibility Tests of Anopheles minimus S.L., Aedes aegypti, Aedes albopictus, and Culex quinquefasciatus in Northern Thailand. *Southeast Asian J.Trop.Med.Public Health* 34: 87-93.
- EcoReference No.: 82574
Chemical of Concern: DDT,EFX,LCYT,PYT,FNT,MLN,PMR,DM,EFX; Habitat: T; Effect Codes: MOR; Rejection Code: TARGET (MLN,EFX,PMR).
205. Sparks, T. C., Shour, M. H., and Wellemeyer, E. G. (1982). Temperature-Toxicity Relationships of Pyrethroids on Three Lepidopterans. *J.Econ.Entomol.* 75: 643-646.
- EcoReference No.: 72476
Chemical of Concern: PMR,DM,CYP,PYT; Habitat: T; Effect Codes: MOR; Rejection Code: TARGET(CYP,PMR).
206. Spomer, S. M., Higley, L. G., Haile, F. J., and Hoback, W. W. (1997). Alfalfa Insect Control, 1996. *Arthropod Manag.Tests* 22: 200-201 (8F).
- EcoReference No.: 99848
Chemical of Concern: PMR,CBF,CYF,CPY; Habitat: T; Effect Codes: POP,REP; Rejection Code: EFFICACY(PMR,CYF,CPY),OK(CBF).
207. Sulaiman, S., Omar, B., Jeffery, J., and Busparani, V. (1991). Evaluation of Pyrethroids Lambda-Cyhalothrin, Deltamethrin and Permethrin Against Aedes albopictus in the Laboratory. *J.Am.Mosq.Control Assoc.* 7: 322-323.

- EcoReference No.: 99799
Chemical of Concern: PMR,LCYT,DM; Habitat: T; Effect Codes: MOR; Rejection Code: TARGET(PMR).
208. Sulaiman, S., Omar, B., Omar, S., Jeffery, J., and Ghauth, I. (1992). Evaluation of Lambdacyhalothrin, Deltamethrin and Permethrin Against Filth Flies (Diptera: Muscidae, Calliphoridae) at a Garbage Dumping Ground and a Poultry Farm in Malaysia. *Jpn.J.Sanit.Zool.* 43: 13-17.
- EcoReference No.: 74955
Chemical of Concern: PMR,DM,LCYT; Habitat: T; Effect Codes: MOR,POP; Rejection Code: NO COC(MLT),TARGET(PMR).
209. Sulaiman, S., Pawanchee, Z. A., Ghauth, I., Wahab, A., Vadiveloo, B., Jeffery, J., and Mansor, A. F. (1996). The Residual Effects of Alphacypermethrin and Permethrin Against the Dengue Vector *Aedes albopictus* (Skuse) in Wooden Huts in Malaysia. *J.Vector Ecol.* 21: 85-88.
- EcoReference No.: 74328
Chemical of Concern: PMR,CYP; Habitat: T; Effect Codes: MOR; Rejection Code: NO COC(MLT),TARGET(CYP,PMR).
210. Summers, D. and Ruth, D. S. (1987). Effect of Diatomaceous Earth, Malathion, Dimethoate and Permethrin on *Leptoglossus occidentalis* (Hemiptera: Coreidae): A Pest of Conifer Seed. *J.Entomol.Soc.B.C.* 84: 33-38.
- EcoReference No.: 75332
Chemical of Concern: DMT,MLN,PMR; Habitat: T; Effect Codes: MOR; Rejection Code: TARGET (MLN, DMT,PMR).
211. Symington, C. A. (2003). Lethal and Sublethal Effects of Pesticides on the Potato Tuber Moth, *Phthorimaea operculella* (Zeller) (Lepidoptera: Gelechiidae) and Its Parasitoid *Orgilus lepidus* Muesebeck (Hymenoptera: Braconidae). *Crop Prot.* 22: 513-519.
- EcoReference No.: 99807
Chemical of Concern: ES,PMR,TDC,IMC; Habitat: T; Effect Codes: REP,MOR; Rejection Code: TARGET(PMR,TDC,IMC).
212. Takada, Y., Hiroyoshi, T., and Hirano, M. (1988). Linkage Group Analysis of Permethrin Resistance in the Miyakonoyo Colony of the Housefly, *Musca domestica* L. (Diptera: Muscidae). *Appl.Entomol.Zool.* 23: 122-126.
- Chemical of Concern: PPB,PMR; Habitat: T; Rejection Code: TARGET(PMR).
213. Tan, K. H. (1981). Antifeeding Effect of Cypermethrin and Permethrin at Sub-lethal Levels Against *Pieris brassicae* Larvae. *Pestic.Sci.* 12: 619-626 .
- EcoReference No.: 4688
Chemical of Concern: CYP,PMR; Habitat: T; Effect Codes: GRO,MOR,BEH; Rejection Code: TARGET(CYP,PMR).
214. Taylor, W. G. and Shemanuchuk, J. A. (1984). Synthesis and Some Larvicidal Properties of 2,3-Secopermethrin . *J.Agric.Food Chem.* 32: 250-253.
- EcoReference No.: 99806
Chemical of Concern: PMR,FNV; Habitat: T; Effect Codes: MOR; Rejection Code: TARGET(PMR,FNV).

215. Thomas, J. D. and Boethel, D. J. (1994). Synergism of Insecticides in Tests with Resistant Soybean Looper Larvae (Lepidoptera: Noctuidae) in the Laboratory and Field. *J.Econ.Entomol.* 87: 1416-1422.
- EcoReference No.: 74126
Chemical of Concern: MOM,PMR,TBF; Habitat: T; Effect Codes: MOR; Rejection Code: TARGET(MOM,PMR).
216. Thomas, T. G., Sharma, S. K., Prakash, A., Sokhey, J., and Sharma, B. R. (2000). Insecticide Susceptibility Status of *Culex tritaeniorhynchus* Giles, Vector of Japanese Encephalitis in Delhi. *Jpn.J.Infect.Dis.* 53: 11-14.
- EcoReference No.: 100096
Chemical of Concern: FNT,TMP,PMR,DM,DDT,MLN,PPX,FNTH,LCYT; Habitat: AT; Effect Codes: MOR; Rejection Code: TARGET(PMR),OK(TMP,MLN).
217. Toma, T., Miyagi, I., and Tamashiro, M. (1994). Insecticidal Susceptibility of the Larvae of *Aedes albopictus*, *Culex quinquefasciatus* and *Cx. boninensis* (Diptera: Culicidae) Collected from Chichijima, Ogasawara Islands, Japan. *Jpn.J.Sanit.Zool.* 45: 75-78.
- EcoReference No.: 94344
Chemical of Concern: PPX,TCF,TMP,DZ,FNTH,FNT,MLN,PMR,DDT; Habitat: A; Effect Codes: MOR; Rejection Code: TARGET(PMR),OK(MLN,DZ).
218. Tran, D. H., Le, Van Hai, Luong, T. B. P., and Takagi, M. (2006). Field Evaluation of Cartap, Cyromazine, Permethrin and Phenthoate for Control of the Stone Leek Leafminer *Liriomyza chinensis* (Diptera: Agromyzidae). *J.Fac.Agric.Kyushu Univ.* 51: 265-268.
- EcoReference No.: 96288
Chemical of Concern: CYR,PMR; Habitat: T; Effect Codes: POP; Rejection Code: TARGET(CYR,PMR).
219. Usmani, K. A. and Knowles, C. O. (2001). Toxicity of Pyrethroids and Effect of Synergists to Larval and Adult *Helicoverpa zea*, *Spodoptera frugiperda*, and *Agrotis ipsilon* (Lepidoptera: Noctuidae). *J.Econ.Entomol.* 94: 868-873.
- EcoReference No.: 63706
Chemical of Concern: CYP,PMR,PPB,DEF,AMZ; Habitat: T; Effect Codes: MOR; Rejection Code: TARGET(PMR),OK(CYP),NO MIXTURE(PPB,DEF).
220. Valles, S. M., Oi, F. M., Wagner, T., and Brenner, R. J. (2000). Toxicity and In Vitro Metabolism of t-Permethrin in Eastern Subterranean Termite (Isoptera: Rhinotermitidae). *J.Econ.Entomol.* 93: 1259-1264.
- EcoReference No.: 58561
Chemical of Concern: DLD,AND,PPB,PMR,TBF; Habitat: T; Effect Codes: MOR,GRO,BCM; Rejection Code: NO MIXTURE(PPB),TARGET(PMR).
221. Vatandoost, H., Mashayekhi, M., Abaie, M. R., Afatoonian, M. R., Hanafi-Bojd, A. A., and Sharifi, I. (2005). Monitoring of Insecticides Resistance in Main Malaria Vectors in a Malarious Area of Kahnooj District, Kerman Province, Southeastern Iran. *J.Vector Borne Dis.* 42 : 100-108.
- EcoReference No.: 99809
Chemical of Concern: PPX,DM,DLD,DDT,MLN,PMR,LCYT,CYF; Habitat: T; Effect Codes: MOR; Rejection Code: TARGET(MLN,PMR,CYF).

222. Vulule, J. M., Beach, R. F., Atieli, F. K., McAllister, J. C., Brogdon, W. G., Roberts, J. M., Mwangi, R. W., and Hawley, W. A. (1999). Elevated Oxidase and Esterase Levels Associated with Permethrin Tolerance in *Anopheles gambiae* from Kenyan Villages Using Permethrin-Impregnated Nets. *Med.Vet.Entomol.* 13: 239-244.
- EcoReference No.: 72887
Chemical of Concern: PMR,PPB; Habitat: T; Effect Codes: MOR; Rejection Code: NO MIXTURE(PPB),TARGET(PMR).
223. Watson, E., Barson, G., Pinniger, D. B., Roberts, G., and Ludlow, A. R. (1997). Evaluation of the Behavioural Responses of *Anthrenus verbasci* Adults and Larvae to Permethrin (ec) Using a Computerized Tracking System. *J.Stored Prod.Res.* 33: 335-346.
- EcoReference No.: 64145
Chemical of Concern: PMR; Habitat: T; Effect Codes: BEH; Rejection Code: TARGET(PMR).
224. Watson, T. F. and Kelly, S. E. (1991). Response of the Tobacco Budworm to Permethrin and Methyl Parathion in Arizona, 1977-1989. *Southwest.Entomol.Suppl.* 15: 53-57.
- EcoReference No.: 91591
Chemical of Concern: PMR,MP,EFV; Habitat: T; Effect Codes: MOR; Rejection Code: TARGET(PMR,MP,EFV).
225. Webb, D. P., Wildey, K. B., and Chapman, P. A. (1989). A Comparison of Permethrin and Methomyl Insecticides for the Control of a Multiresistant Strain of Houseflies *Musca domestica*. *Pestic.Sci.* 27: 13-22.
- Chemical of Concern: MOM,PMR; Habitat: T; Rejection Code: TARGET(MOM,PMR).
226. Wei, Y., Appel, A. G., Moar, W. J., and Liu, N. (2001). Pyrethroid Resistance and Cross-Resistance in the German Cockroach, *Blattella germanica* (L). *Pest Manag.Sci.* 57: 1055-1059.
- EcoReference No.: 65284
Chemical of Concern: IMC,FPN,SS,PMR,DM,PPB,DEF,TBF; Habitat: T; Effect Codes: MOR; Rejection Code: OK(IMC,SS,DM),NO MIXTURE(PPB,DEF),TARGET(PMR,FPN).
227. White, P. F. and Czajkowska, M. (2000). Effects of Methoprene and Permethrin on Paedogenetic Larvae of *Heteropeza pygmaea* and *Mycophila speyeri* (Diptera: Cecidomyiidae). *J.Econ.Entomol.* 93: 1222-1226.
- EcoReference No.: 58563
Chemical of Concern: PMR,MTPN; Habitat: T; Effect Codes: POP,GRO,REP,BEH; Rejection Code: TARGET(MTPN,PMR).
228. Wier, A. T., Boethel, D. J., Leonard, B. R., and Burris, E. (1994). Laboratory Toxicity and Field Efficacy of AC 303,630 (Pirate) Against Beet Armyworm, *Spodoptera exigua* (Hubner), Larvae. *J.Agric.Entomol.* 11: 311-320.
- EcoReference No.: 73704
Chemical of Concern: MOM,ACP,DM,PMR,IMC,CFP,TDC,EMMB; Habitat: T; Effect Codes: MOR; Rejection Code: TARGET(TDC,MOM,ACP,PMR,IMC).
229. Wierenga, J. M., Warkentin, D. L., Staetz, C. A., Pitts, D. L., and Dybas, J. A. (2002). Insecticidal Activity of N-arylalkylbenzhydropiperidines. *Pest Manag.Sci.* 58: 1266-1272.
- EcoReference No.: 70972

- Chemical of Concern: CFP,PMR,TDC,MOM; Habitat: T; Effect Codes: MOR,POP; Rejection Code: NO COC(CSA),EFFICACY(PMR,TDC,MOM).
230. Wilkinson, J. D., Biever, K. D., and Ignoffo, C. M. (1979). Synthetic Pyrethroid and Organophosphate Insecticides Against the Parasitoid *Apanteles marginiventris* and the Predators *Geocoris punctipes*, *Hippodamia convergens*, and *Podisus maculiventris*. *J.Econ.Entomol.* 72: 473-475.
- EcoReference No.: 72478
Chemical of Concern: PMR,PYT,PFF,SPS,FNV; Habitat: T; Effect Codes: MOR; Rejection Code: TARGET(FNV,PMR,PFF).
231. Williams, R. E. and Berry, J. G. (1980). Control of Northern Fowl Mite with Permethrin and Fenvalerate, Two Synthetic Pyrethroid Compounds. *Poult.Sci.* 59: 1211-1214.
- EcoReference No.: 39400
Chemical of Concern: PMR,PYT,FNV,CBL,MLN; Habitat: T; Effect Codes: POP; Rejection Code: TARGET(MLN,CBL,PMR).
232. Wise, J. C. and Gut, L. J. (1999). Control of Plum Curculio with New Insecticide Chemistries, 1998. *Arthropod Manag.Tests* 24: 45 (A32).
- EcoReference No.: 88211
Chemical of Concern: TMX,IMC,DM,MP,PSM,FPP,IDC; Habitat: T; Effect Codes: POP; Rejection Code: TARGET (PSM),NO COC(PMR).
233. Wolfenbarger, D. A. and Guerra, A. A. (1986). Toxicity and Hypoxia of Three Petroleum Hydrocarbons and Cottonseed Oil to Adult Boll Weevils and Larvae of Tobacco Budworms. *Southwest.Entomol. Suppl.* 11: 69-74.
- EcoReference No.: 78378
Chemical of Concern: ALSV,PMR; Habitat: T; Effect Codes: PHY,MOR; Rejection Code: LITE EVAL CODED(ALSV),TARGET(PMR).
234. Xu, J., Shelton, A. M., and Cheng, X. (2001). Variation in Susceptibility of *Diadegma insulare* (Hymenoptera: Ichneumonidae) to Permethrin. *J.Econ.Entomol.* 94: 541-546.
- EcoReference No.: 58603
Chemical of Concern: PMR; Habitat: T; Effect Codes: MOR; Rejection Code: TARGET(PMR).
235. Young, A. S., De Castro, J. J., and Kiza-Auru, P. P. (1985). Control of Tick (Acari: Ixodidae) Infestation by Application of Ear Tags Impregnated with Acaricides to Cattle in Africa. *Bull.Entomol.Res.* 75: 609-619.
- EcoReference No.: 72451
Chemical of Concern: DM,CYP,PMR; Habitat: T; Effect Codes: POP; Rejection Code: TARGET(CYP,PMR).
236. Yu, S. J. (1991). Insecticide Resistance in the Fall Armyworm, *Spodoptera frugiperda* (J. E. Smith). *Pestic.Biochem.Physiol.* 39: 84-91.
- EcoReference No.: 73599
Chemical of Concern: MOM,PMR,CYP,CYT,BFT,TMT,FVL,DZ,CPY,MP,CBL,TDC,DDVP,SPS,TLM,MLN,FNV; Habitat: T; Effect Codes: MOR; Rejection Code: TARGET(PMR,MLN,FVL,CYP,DZ,TDC,BFT,CBL,MOM,TMT,MP,FNV,CPY).

237. Yu, S. J. and Nguyen, S. N. (1996). Insecticide Susceptibility and Detoxication Enzyme Activities in Permethrin-Selected Diamondback Moths. *Pestic.Biochem.Physiol.* 56: 69-77.
- Chemical of Concern: MOM,TBF,PMR; Habitat: T; Rejection Code: TARGET(MOM,PMR).
238. Zalom, F. G., Stimmann, M. W., Arndt, T. S., Walsh, D. B., Pickel, C., and Krueger, W. H. (2001). Analysis of Permethrin (cis- and trans-Isomers) and Esfenvalerate on Almond Twigs and Effects of Residues on the Predator Mite Galendromus occidentalis (Acari: Phytoseiidae). *Environ.Entomol.* 30: 70-75.
- EcoReference No.: 67002
Chemical of Concern: EFV,PMR; Habitat: T; Effect Codes: MOR,ACC; Rejection Code: TARGET(EFV,PMR).
239. Zanoncio, T. V., Serrao, J. E., Zanoncio, J. C., and Guedes, R. N. C. (2003). Permethrin-Induced Hormesis on the Predator Supputius cincticeps (Stal, 1860) (Heteroptera: Pentatomidae). *Crop Prot.* 22: 941-947.
- EcoReference No.: 73568
Chemical of Concern: PMR; Habitat: T; Effect Codes: GRO,MOR,REP; Rejection Code: TARGET(PMR).
240. Zeman, P. and Zelezny, J. (1985). The Susceptibility of the Poultry Red Mite, Dermanyssus gallinae (De Geer, 1778), to Some Acaricides Under Laboratory Conditions. *Exp.Appl.Acarol.* 1: 17-22.
- EcoReference No.: 71145
Chemical of Concern: DDT,CBL,HCCH,PMR,CYP,DM,TMT; Habitat: T; Effect Codes: MOR; Rejection Code: TARGET(CYP,CBL,TMT,PMR).
241. Zhao, G., Liu, W., Brown, J. M., and Knowles, C. O. (1995). Insecticide Resistance in Field and Laboratory Strains of Western Flower Thrips (Thysanoptera: Thripidae). *J.Econ.Entomol.* 88: 1164-1170.
- EcoReference No.: 55928
Chemical of Concern: MOM,PMR,CYP,FNV,DZ,BDC,AMZ,IMC,PPB,TBF,EFV; Habitat: T; Effect Codes: MOR; Rejection Code: NO MIXTURE(PPB),TARGET(CYP,DZ,FNV,MOM,PMR,IMC,EFV).
242. Zhu, Y. C., Snodgrass, G. L., and Chen, M. S. (2004). Enhanced Esterase Gene Expression and Activity in a Malathion-Resistant Strain of the Tarnished Plant Bug, Lygus lineolaris. *Insect Biochem.Mol.Biol.* 34: 1175-1186.
- EcoReference No.: 80063
Chemical of Concern: ACP,DCTP,MLN,PMR,TBF; Habitat: T; Effect Codes: MOR,GEN; Rejection Code: TARGET(MLN,ACP,PMR).
243. Zwick, R. W. and Fields, G. J. (1978). Field and Laboratory Evaluations of Fenvalerate Against Several Insect and Mite Pests of Apple and Pear in Oregon. *J.Econ.Entomol.* 71: 793-796.
- EcoReference No.: 72011
Chemical of Concern: CBL,ES,PMR,MP,AZ,DFZ,FNV; Habitat: T; Effect Codes: MOR,POP; Rejection Code: TARGET(AZ,CBL,MP,FNV,PMR).

G-4 Permethrin Accepted Papers containing Mixtures

Brander, S. M., Werner, I., White, J. W., and Deanovic, L. A. (2009). Toxicity of a Dissolved Pyrethroid Mixture to *Hyalella azteca* at Environmentally Relevant Concentrations. *Environ.Toxicol.Chem.* 28: 1493-1499.

EcoReference No.: 117643

Chemical of Concern: CYF,PMR; Habitat: A; Effect Codes: MOR,BCM; Code: LITE EVAL CODED(CYF,PMR).

Corbel, V., Raymond, M., Chandre, F., Darriet, F., & Hougard, J. M. Efficacy of Insecticide Mixtures Against Larvae of *Culex quinquefasciatus* (Say) (Diptera: Culicidae) Resistant to Pyrethroids and Carbamates. *Pest Manag.Sci.* 60[4], 375-380. 2004. corbel@mpl.ird.fr, WATER,AQUA.

Rec #: 120

Call Number: LITE EVAL CODED(PMR)

Notes: EcoReference No.: 99846

Chemical of Concern: PPX,PMR

Lagunes Tejeda, A. (1980). Impact of the Use of Mixtures and Sequences of Insecticides in the Evolution of Resistance in *Culex quinquefasciatus* Say (Diptera: Culicidae). *Ph.D.Thesis, Univ.of California, Riverside, CA* 229 p. (UMI# 8024989).

EcoReference No.: 103909

Chemical of Concern: DLD,DDT,FNTH,TMP,PMR,MLN,CPY,PPX; Habitat: AT; Effect Codes: MOR; Code: LITE EVAL CODED(MLN,CPY,PPX,PMR),OK(TMP).

Ortiz, D., Yanez, L., Gomez, H., Martinez-Salazar, J. A., & Diaz-Barriga, F. Acute Toxicological Effects in Rats Treated with a Mixture of Commercially Formulated Products Containing Methyl Parathion and Permethrin. *Ecotoxicol.Environ.Saf.* 32[2], 154-158. 1995. INJECT, TOP.

Rec #: 770

Call Number: LITE EVAL CODED(MP,PMR)

Notes: EcoReference No.: 91392

Chemical of Concern: MP,PMR