DOWBLANCO LOCK-ON INSECICIDE. 62719-79 06/15/93 Original Submission

You have sclected the wrong chemical resistant materials for gloves based on the chemical-resistant category identified in your proposed label. Please refer to page 19 of the Main Labeling Guidance for the appropriace choices.

Add "Organophosphate" either under the brand name or in the Statement of Practical Treatment.

Add the Spanish message text under the signal word: "Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand the label, find scappe to explain it to you in

The must all of the signifural Use Requirements veferral box to your main invest. Please reper to page 43 of the Main Labeling Guidance for the correct text and placement.

(Editor's note: Deleted text shown with strike-through, added text underlined)

(Datapack, Lock-On): (Base label, 2.5 and 55 gal):

(logo) DowElanco

Lock-On*

AGGERTELL whit COMMENTS In EPA Letter Dated DEC 9 1993

> Under the Federal Insecticide, Fundicida, and Redenticide Act as ansected, for the pasticide registered under EPA Rag. No. (027/9-79

For control of various insects infesting alfalfa and cotton

Active incredient:

	 مربق المربق (مربق المربق الم مربق الم الم مربق الم الم مربق الم الم مربق الم مربق الم الم مربق الم الم مربق ال	قار فالسب
	 · • • • • • • • • • • • • • • • • • • •	7.1%
Contains 2 pounds of chlorpyillos per g		

[†]Composition of inert ingredients includes xylens.

Precautionary Statements

Hazards to Humans and Domestic Animals Keep Out of Reach of Children WARNING AVISO:

Precaucion al usuario: Si usted no leo inglés, no use este procucto hasta que la etiqueta le haya sido explicada ampliamento.

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand the label, find someone to explain it to you in detail.)

May Cause Eye Injury . Harmful If Swallowed or Absorbed Through The Skin

Do not get in eyes, on skin, or on clothing.—Wear goggles, face shield, or safety-glasses.—Wash thoroughly with soap and water after handling. Fernove contaminated clothing and wash before reuse.

Do not apply this product in such a manner as to directly or through drift expose-workers or other persons. The area being trusted must be vacated by unprotected persons.

Personal Protective Equipment (PPE)

Some m; erials that are chemical-resistant to this product are listed below. If you want more options, follow the instructions for category D on an EPA chemical resistance category selections chart.

Applicators and other handlers must wear:

Long-sleeved shirt and long panis

Chemical-resistant gloves such as Barrier Laminate or Viton

Shoes olus socks

Protective evewear

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Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them. Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keer, and wash PPE separately from other laundry.

User Safety Recommendations

- Users should:
- · Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet,
- <u>Remove clothing immediately if pesticide gets inside.</u> Then wash theroughly and put on clean clothing.

• Pernove PPE immediately after handling this product. Wash the outside of doyas

First Ald

This product is an organophosphate and is a cholinesterase inhibitor. If swallowed: Do not induce vomiting. Contains aromatic petroleum solvent. Call a physician or Poison Control Center immediately.

If in eyes: Flush with plenty of water. Get medical attention if irritation persists. If on skin: Wash with plenty of soap and water. Get medical attention if irritation persists.

If Inhaled: Remove to fresh air if effects occur. Get medical attention.

Note to physician: Chlorpyrifos is a cholinesterase inhibitor. Treat symptomatically. If exposed, plasma and red blood cell cholinesterase tests may indicate significance of exposure (baseline data are useful). Atropine, only by injection, is the preferable antidote. Oximes, such as 2-PAMprotopam, may be

therapeutic if used early; however, use only in conjunction with atropine. In case of severe acute poisoning, use antidote immediately after establishing an open airway and respiration.

Environmental Hazards

This pesticide is toxic to birds and wildlife, and extremely toxic to fish and aquatic organisms. Do not apply directly to water. Drift and runoff from treated areas may be hazardous to aquatic organisms in adjacent aquatic sites. Cover or incorporate spills. Do not contaminate water when disposing of equipment washwaters. This product is highly toxic to bees exposed to direct treatment or residues on blooming crops or weeds. Avoid use when bees are actively foraging. Protective information may be obtained from your cooperative agricultural extension service.

Physical or Chemical Hazards

Flammable - Do not use or store near heat sources or open flame. Do not use in the vicinity of pilot lights.

Refer to attached label booklet for additional precautionary information, First Aid and Directions for Use.



Notice: Read the entire label. Use only according to label directions. Before buying or using this product, read "Warranty Discialmer" and "Limitation of Remedies" inside label booklet.

In case of emergency endangering health or the environment involving this product, call collect 517-636-4400.

Agricultural Chemical: Do not ship or store with food, feeds, drugs or clothing.

EPA Reg. No. 62719-79 08774 EPA Est. 464-MI-1 900-000970

*Trademark of Dov Flanco Dov/Elicipation - Inclust polis, Inc. 40200, Uldan

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printed June 14, 1993

(Cover, datapack, Lock-On):

(logo) DowElanco

Lock-On*

page 4

For control of various insects infesting alfalfa and cotton

Active ingredient:

Keep Out of Reach of Children WARNING

AVISO:

Precaucion al usuario: Si usted no lee inglés, no use este producto hasta que la etiqueta le haya sido explicada ampliamente.

Refer to inside of label booklet for additional precautionary information, First Aid and Directions for Use.

Notice: Read the entire label. Use only according to label directions. Before buying or using this product, read "Warranty Disclaimer" and "Limitation of Remedies" inside label booklet.

In case of emergency endangering health or the environment involving this product, call collect 517-636-4400.

Agricultural Chemical: Do not ship or store with food, feeds, drugs or clothing.

EPA Reg. No. 62719-79 08774 · EPA Est. 464-MI-1 900-000970

*Trademark of DowElanco DowElanco • Indianapolis, IN 46268, U.S.A.

Insecticide

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(page 2 through end):

Precautionary Statements

Hazards to Humans and Domestic Animals ANING AVISO:

WARNING AVISO: Preseucion al usuario: Si usted no leo inglós, no uso este producto hasta que la otigueta le hava side explicada ampliamente.

Si usted no entiende la etiqueta, busque a alquien para que se la explique a usted en detaile. (If you do not understand the label, find someone to explain it to you in detail.)

May Cause Eye Injury . Harmful If Swallowed or Absorbed Through The

Sonct get in eyes, on Stin, or on Stating. -Wester gales, lace-shield, or safety glasses. Wash thoroughly with soap-and water after handling. Remove contaminated clothing and wash before rouse.

Do not apply this product in such a manner as to directly or through drift expose workers or other persons. The area being treated must be vacated by unprotected persons.

Personal Protective Equipment (PPE)

Some materials that are chemical-resistant to this product are listed below. If you want more options, follow the instructions for category D on an EPA chemical resistance category selections chart.

Applicators and other handlers must wear:

Long-sleeved shirt and long pants

- Chemical-resistant cloves such as Barrier Laminate or Viton
- Shoes plus socks
- Protective evewear

Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them. Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

User Safety Recommendations

- Users should:
- Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
- Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.

 Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

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First Ald

This product is an organophosphate and is a cholinesterase inhibitor. If swallowed: Do not induce vomiting. Contains aromatic petroleum solvent. Call a physician or Poison Control Center immediately.

If in eyes: Flush with plenty of water. Get medical attention if irritation persists. If on skin: Wash with plenty of soap and water. Get medical attention if irritation persists.

If inhaled: Remove to fresh air if effects occur. Get medical attention. Note to physician: Chlorpyrifos is a cholinesterase inhibitor. Treat symptomation"ly. If exposed, plasma and red blood cell cholinesterase tests may indicate significance of exposure (baseline data are useful). Atropine, only by informing the environtial environts. Original, such as 2000 liptotopam, any batherappular if used tarly; however, use only in conjunction with atropine. In case of severe acute poisoning, use antidote immediately after establishing an open airway and respiration.

Environmental Hazards

This pesticide is toxic to birds and wildlife, and extremely toxic to fish and aquatic organisms. Do not apply directly to water. Drift and runoff from treated areas may be hazardous to aquatic organisms in adjacent aquatic sites. Cover or incorporate spills. Do not contaminate water when disposing of equipment washwaters. This product is highly toxic to bees exposed to direct treatment or residues on blooming crops or weeds. Avoid use when bees are actively foraging. Protective information may be obtained from your cooperative agricultural extension service.

Physical or Chemical Hazards

Flammable - Do not use or store near heat sources or open flame. Do not use in the vicinity of pilot lights.

Directions for Use

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

Read all Directions for Use carefully before applying.

Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application.

For any requirements specific to your State or Tribe. consult the agency responsible for pesticide regulation.

- Reentry

Do not apply this product in such a manner as to directly or through drift expose workers or other persons. The area being treated must be vacated by unprotected persons.

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Agricultural Use Requirements

Use this product only in accordance with its labeling and with the Worker Protection Standard. 40 CER part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exemptions pertaining to the statements on this label about personal protective equipment (PPE) and restricted-entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treated areas during the restricted entry interval

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water, is:

Coveralis

Chemical-resistant cloves such as Barrier Laminate or Viton

Shoes plus socks

Protective eyewear

STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage or disposal.

Pesticide Disposal: Pesticide wastes are toxic. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal law. If these wastes cannot be disposed of by use according to label instructions, contact your state pesticide or environmental control agency, or the hazardous waste representative at the nearest EPA regional office for guidance.

Container Disposal: Triple rinse (or equivalent). Then puncture and dispose of in a sanitary landfill, or by incircitation, or, if allowed by state and local authorities, by burning. If burned, stay out of cinoke.

General Information

Lock-On insecticide controls various insects infesting alfalfa and cotton. Lock-On forms an emulsion when diluted with water and is suitable for use in all conventional spray equipment.

General Use Precautions

Lock-On is highly toxic to bees exposed to direct treatment or residues on blooming crops or weeds. Do not apply when bees are foraging or clustered outside of hives. Information on methods of protecting bees from insecticide damage may be obtained from your agricultural extension service.

Chemigation: Do not apply Lock-On through any type of irrigation system.

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Mixing Directions

Partly fill spray tank with water. Start agitation, and add the required amount of Lock-On. Continue agitation and finish filling spray tank to required spray volume. Maintain sufficient agitation during mixing and application to insure uniformity of the spray mixture.

Application Guidelines

Proper application techniques are necessary to insure thorough spray coverage and correct dosage required for effective insect control. The following recommendations should be followed when applying Lock Ca.

April: Application

Shorton boom length if necessary to prevent spray from entering vortices generated by wing tips or helicopter rotors. Reduce swath width when the wind direction is parallel to the direction of spraying. A flying height of 5 to 15 feet above the target surface is recommended to achieve optimum coverage. Use permanent swath markers or flagging for aerial application.

Proper nozzle arrangement and swath width are required to prevent variability in the spray pattern and insure proper spray deposition. Spray boom nozzle orientation affects the amount of droplet break-up which occurs. More break-up occurs when nozzle orientation is changed from straight back (parallel) to straight down (at a right angle) to the air flow over the boom. The desired droplet size (100 to 200 microns) is obtained by setting the nozzle orientation somewhere between these two extremes.

Spray pattern deposition, droplet size distribution and effective swath width can be evaluated by application of sprays containing a water-soluble dye over a paper tape (adding machine tape).

Ground Application

Use power-operated equipment capable of thorough coverage of the target crop. Use flat fan or disc-core hollow cone nozzles. Refer to manufacturer's recommendations on nozzle spacing, boom height and operating pressure to obtain uniform coverage. Swath width should not exceed boom width. Ideal droplet size (100 to 200 microns) is obtained with a boom spray pressure of 40 to 60 psi. Adjust boom pressure to minimize spray drift. Spray drift is wasted spray and cannot be confined to the target area.

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Rag #, 62719-79



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY WASHINGTON, D.C. 20460

DEC 9 1993

OFFICE OF PREVENTION, PESTICIDES AND TOXIC SUBSTANCES

you

Robert F. Bischoff DOWELANCO QUAD IV 9002 PURDUE ROAD INDIANAPOLIS, IN. 46268

Subject: Label Amendment Submission of 06/15/93 In Response to PR Notice 93-7 EPA Reg. No. 62719-79 LOCK-ON INSECTICIDE

Dear Registrant:

The labeling cited above and submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), as amended, is accepted subject to the comments reflected on the enclosed sheet. A copy of your proposed labeling stamped "ACCEPTED WITH COMMENTS" is enclosed.

WHAT THIS ACCEPTANCE MEANS:

Based on your certification, the Agency has accepted the labeling changes that are necessary to comply with the Worker Protection Standard (WPS) labeling requirements of 40 CFR part 156, subpart K, described in PR Notices 93-7 and 93-11. Any other labeling changes submitted in connection with this amendment application but not directly related to compliance with the WPS have not been reviewed or accepted by the Agency. If you wish to make such changes, you must submit a separate amendment application proposing them. If your product is currently suspended, the acceptance of this labeling amendment does not affect the suspension in any way.

WHAT YOU NEED TO DO NEXT:

By the next label printing make all the specified changes to your labeling. Send to EPA one (1) copy of the final printed labeling:

BEFORE selling or distributing any product bearing the final printed labeling AND

WITHIN one year from date of this acceptance.



Page 2

Submit the final printed labeling via the U.S. Postal Service to:

Document Processing Desk (FIN-LABEL) Office of Pesticide Programs (7505C) U.S. Environmental Protection Agency 401 M Street, SW Washington, D.C. 20460-0001

Hand or courier deliveries of final printed labeling may be made to:

Document Processing Desk (FIN-LABEL) Office of Pesticide Programs Room 266A, Crystal Mall 2 1921 Jefferson Davis Highway Arlington, VA 22202

Sincerely, Jin Tompkins, Deputy Chief Registration Support Branch Registration Division (7505W)

Attachment

DOWELANCO LOCK-ON INSECICIDE. 62719-79 06/15/93 Original Submission

You have selected the wrong chemical resistant materials for gloves based on the chemical-resistant category identified in your proposed label. Please refer to page 19 of the Main Labeling Guidance for the appropriate choices.

Add "Organophosphate" either under the brand name or in the Statement of Practical Treatment.

Add the Spanish message text under the signal word: "Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand the label, find someone to explain it to you in detail.)"

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You must add an Agricultural Use Requirements referral box to your main label. Please refer to page 43 of the Main Labeling Guidance for the correct text and placement.

DEC

page 1

(Editor's note: Deleted text shown with strike-through, added text underlined)

(Datapack, Lock-On): (Base label, 2.5 and 55 gal):

(logo) DowElanco

Lock-On*

Under the Federal Insecticide, Fundicide, and Rodenticide Act as amended, for the pesticide registered under EPA Reg. No. 62719-79

ACCEPTED

white COMMENTS

In EPA Letter Dated

9 1993

For control of various insects infesting alfalfa and cotton

Active ingredient:

chlorpyrifos: 0,0-diethyl-O-(3,5,6-trichloro-2-pyridinyl)phosphorothioate	22.9%
Inert ingredients [†]	77.1%
Contains 2 pounds of chlorpyrifos per gallon.	
[†] Composition of inert ingredients includes xylene.	

Precautionary Statements

Hazards to Humans and Domestic Animals

Keep Out of Reach of Children

)

WARNING

AVISO:

Precaucion al usuario: Si usted no lee inglés, no use este producto hasta que la etiqueta le haya sido explicada ampliamente.

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand the label, find someone to explain it to you in detail.)

May Cause Eye Injury • Harmful If Swallowed or Absorbed Through The Skin

Do not get in eyes, on skin, or on clothing.—Wear-goggles, face shield, or safety-glasses.—Wash-thoroughly with scap and water after handling. Remove contaminated-clothing and wash before reuse.

Do-not apply-this product in such-a manner as to directly or through-drift expose workers or other persons. The area being treated must-be vacated-by unprotected persons.

Personal Protective Equipment (PPE)

Some materials that are chemical-resistant to this product are listed below. If you want more options, follow the instructions for category D on an EPA chemical resistance category selections chart.

Applicators and other handlers must wear:

Long-sleeved shirt and long pants

- Chemical-resistant gloves such as Barrier Laminate or Viton
- Shoes plus socks
- Protective evewear



Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them. Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

User Safety Recommendations

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Users should:

- · Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet,
- Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

First Aid

This product is an organophosphate and is a cholinesterase inhibitor.

If swallowed: Do not induce vomiting. Contains aromatic petroleum solvent. Call a physician or Poison Control Center immediately.

If in eyes: Flush with plenty of water. Get medical attention if irritation persists. If on skin: Wash with plenty of soap and water. Get medical attention if irritation persists.

If inhaled: Remove to fresh air if effects occur. Get medical attention. Note to physician: Chlorovrifos is a cholinesterase inhibitor. Treat

symptomatically. If exposed, plasma and red blood cell cholinesterase tests may

indicate significance of exposure (baseline data are useful). Atropine, only by injection, is the preferable antidote. Oximes, such as 2-PAM/protopam, may be therapeutic if used early; however, use only in conjunction with atropine. In case of severe acute poisoning, use antidote immediately after establishing an open airway and respiration.

Environmental Hazards

This pesticide is toxic to birds and wildlife, and extremely toxic to fish and aquatic organisms. Do not apply directly to water. Drift and runoff from treated areas may be hazardous to aquatic organisms in adjacent aquatic sites. Cover or incorporate spills. Do not contaminate water when disposing of equipment washwaters. This product is highly toxic to bees exposed to direct treatment or residues on blooming crops or weeds. Avoid use when bees are actively foraging. Protective information may be obtained from your cooperative agricultural extension service.

Physical or Chemical Hazards

Fiammable - Do not use or store near heat sources or open flame. Do not use in the vicinity of pilot lights.

Refer to attached label booklet for additional precautionary information, First Aid and Directions for Use.

Notice: Read the entire label. Use only according to label directions. Before buying or using this product, read "Warranty Disclaimer" and "Limitation of Remedies" inside label booklet.

In case of emergency endangering health or the environment involving this product, call collect 517-636-4400.

Agricultural Chemical: Do not ship or store with food, feeds, drugs or clothing.

EPA Reg. No. 62719-79 08774 EPA Est. 464-MI-1 900-000970

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*Trademark of DowElanco DowElanco • Indianapolis, IN 46268, U.S.A.

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Insecticide

printed June 14, 1993

14

(Cover, datapack, Lock-On):

(logo) DowElanco

Lock-On*

For control of various insects infesting alfalfa and cotton

Active ingredient:

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Keep Out of Reach of Children WARNING

AVISO:

Precaucion al usuario: Si usted no lee inglés, no use este producto hasta que la etiqueta le haya sido explicada ampliamente.

Refer to inside of label booklet for additional precautionary information, First Aid and Directions for Use.

Notice: Read the entire label. Use only according to label directions. Before buying or using this product, read "Warranty Disclaimer" and "Limitation of Remedies" inside label booklet.

In case of emergency endangering health or the environment involving this product, call collect 517-636-4400.

Agricultural Chemical: Do not ship or store with food, feeds, drugs or clothing.

EPA Reg. No. 62719-79 08774 EPA Est. 464-MI-1 900-000970

*Trademark of DowElanco DowElanco • Indianapolis, IN 46268, U.S.A.

Insecticide

(page 2 through end):

Precautionary Statements

Hazards to Humans and Domestic Animals AVISO:

WARNING

Preceucion-al-usuario: Si usted no leo inglés, no use este producto hasta que la otiquota lo haya cido explicada ampliamento.

Si usted no entiende la etiqueta, busque a alquien para que se la explique a usted en detaile. (If you do not understand the label, find someone to explain it to you in detail.)

May Cause Eve Injury . Harmful If Swallowed or Absorbed Through The Skin

Do not get in eyes, on skin, or on clothing. Wear goggles, face shield, or safety glasses. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse.

Do not apply this product in such a manner as to directly or through drift expose workers or other persons. The area being treated must be vacated by unprotected persons.

Personal Protective Equipment (PPE) Some materials that are chemical-resistant to this product are listed below. If you want more options, follow the instructions for category D on an EPA chemical resistance category selections chart.

Applicators and other handlers must wear:

- Long-sleeved shirt and long pants
- Chemical-resistant cloves such as Barrier Laminate or Viton
- Shoes plus socks
- Protective evewear

Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them. Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

User Safety Recommendations

Users should:

- Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
- Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothina.

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First Aid

This product is an organophosphate and is a cholinesterase inhibitor. If swallowed: Do not induce vomiting. Contains aromatic petroleum solvent. Call a physician or Poison Control Center immediately.

If in eyes: Flush with plenty of water. Get medical attention if irritation persists. If on skin: Wash with plenty of soap and water. Get medical attention if irritation persists.

If inhaled: Remove to fresh air if effects occur. Get medical attention.

Note to physician: Chlorpyrifos is a cholinesterase inhibitor. Treat symptomatically. If exposed, plasma and red blood cell cholinesterase tests may indicate significance of exposure (baseline data are useful). Atropine, only by injection, is the preferable antidote. Oximes, such as 2-PAM/protopam, may be therapeutic if used early; however, use only in conjunction with atropine. In case of severe acute poisoning, use antidote immediately after establishing an open airway and respiration.

Environmental Hazards

This pesticide is toxic to birds and wildlife, and extremely toxic to fish and aquatic organisms. Do not apply directly to water. Drift and runoff from treated areas may be hazardous to aquatic organisms in adjacent aquatic sites. Cover or incorporate spills. Do not contaminate water when disposing of equipment washwaters. This product is highly toxic to bees exposed to direct treatment or residues on blooming crops or weeds. Avoid use when bees are actively foraging. Protective information may be obtained from your cooperative agricultural extension service.

Physical or Chemical Hazards

Flammable - Do not use or store near heat sources or open flame. Do not use in the vicinity of pilot lights.

Directions for Use

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

Read all Directions for Use carefully before applying.

Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application.

For any requirements specific to your State or Tribe. consult the agency responsible for pesticide regulation.

----Reentry

Do not apply this product in such a manner as to directly or through drift expose workers or other persons. The area being treated must be vacated by unprotected persons.

Aaricultural Use Requirements

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Use this product only in accordance with its labeling and with the Worker Protection Standard. 40 CFR part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exemptions pertaining to the statements on this label about personal protective equipment (PPE) and restricted-entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 12 hours.

<u>PPE required for early entry to treated areas that is permitted under the Worker</u> <u>Protection Standard and that involves contact with anything that has been treated.</u> <u>such as plants, soil, or water, is:</u>

• Coveralis

Chemical-resistant gloves such as Barrier Laminate or Viton

Shoes plus socks

Protective eyewear

STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage or disposal.

Pesticide Disposal: Pesticide wastes are toxic. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal law. If these wastes cannot be disposed of by use according to label instructions, contact your state pesticide or environmental control agency, or the hazardous waste representative at the nearest EPA regional office for guidance.

Container Disposal: Triple rinse (or equivalent). Then puncture and dispose of in a sanitary landfill, or by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

General Information

Lock-On insecticide controls various insects infesting alfalfa and cotton. Lock-On forms an emulsion when diluted with water and is suitable for use in all conventional spray equipment.

General Use Precautions

Lock-On is highly toxic to bees exposed to direct treatment or residues on blooming crops or weeds. Do not apply when bees are foraging or clustered outside of hives. Information on methods of protecting bees from insecticide damage may be obtained from your agricultural extension service.

Chemigation: Do not apply Lock-On through any type of irrigation system.

Mixing Directions

Partly fill spray tank with water. Start agitation, and add the required amount of Lock-On. Continue agitation and finish filling spray tank to required spray volume. Maintain sufficient agitation during mixing and application to insure uniformity of the spray mixture.

Application Guidelines

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Proper application techniques are necessary to insure thorough spray coverage and correct dosage required for effective insect control. The following recommendations should be followed when applying Lock-On.

Aerial Application

Shorten boom length if necessary to prevent spray from entering vortices generated by wing tips or helicopter rotors. Reduce swath width when the wind direction is parallel to the direction of spraying. A flying height of 5 to 15 feet above the target surface is recommended to achieve optimum coverage. Use permanent swath markers or flagging for aerial application.

Proper nozzle arrangement and swath width are required to prevent variability in the spray pattern and insure proper spray deposition. Spray boom nozzle orientation affects the amount of droplet break-up which occurs. More break-up occurs when nozzle orientation is changed from straight back (parallel) to straight down (at a right angle) to the air flow over the boom. The desired droplet size (100 to 200 microns) is obtained by setting the nozzle orientation somewhere between these two extremes.

Spray pattern deposition, droplet size distribution and effective swath width can be evaluated by application of sprays containing a water-soluble dye over a paper tape (adding machine tape).

Ground Application

Use power-operated equipment capable of thorough coverage of the target crop. Use flat fan or disc-core hollow cone nozzles. Refer to manufacturer's recommendations on nozzle spacing, boom height and operating pressure to obtain uniform coverage. Swath width should not exceed boom width. Ideal droplet size (100 to 200 microns) is obtained with a boom spray pressure of 40 to 60 psi. Adjust boom pressure to minimize spray drift. Spray drift is wasted spray and cannot be confined to the target area.

19

printed June 14, 1993

Approved Crops

Alfalfa (For Use in Arizona and California)

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Use Lock-On to control insects infesting alfalfa by application as a broadcast spray at the dosages indicated:

Pest

Application Rate 1 1/2 to 2 pints/acre

alfalfa caterpillar armyworms

Apply Lock-On in enough water to ensure thorough coverage of crop foliage using aerial (fixed wing or helicopter) or power-operated ground spray equipment. Lock-On should be applied in 3 to 5 gallons of water per acre. Do not apply in dilutions exceeding 5 gallons (water plus insecticide) per acre. Treat when field counts or crop injury indicates that damaging pest populations are developing or present. Excessively cool conditions may cause a reduction in insect control.

Precautions

Do not tank mix Lock-On with pesticides, surfactants, or fertilizer formulations unless prior use has shown the combination to be non-injurious under current conditions of use.

Some phytotoxic symptoms may be observed on young, tender, rapidly growing alfalfa plants or alfalfa plants under extreme heat or drought stress when treated with Lock-On. Alfalfa will outgrow these symptoms and no yield loss is expected.

This product is highly toxic to bees exposed to direct treatment. Do not apply if nearby bees are clustered outside of hives and bees are foraging. Protective information may be obtained from your agricultural extension service.

Do not apply through overhead sprinkler irrigation systems.

Restrictions

Do not cut or graze treated alfalfa within 4 days after application of 1 1/2 to 2 pints of Lock-On per acre. Do not make more than 4 applications per year or apply more than one time per crop cutting.

I<- 1/2" ->I

)

Cotton (For Use in Arizona and California)

)

Use Lock-On to control the following pests at the dosages indicated:

Pest armyworm salt marsh caterpillar **Application Rate** 2 pt/ acre

cotton aphid cotton fleahopper Lygus thrips cotton bollworm tobacco budworm boll weevil cutworm pink bollworm

Note: The 2.0 pint per acre rate will aid in the suppression of cotton leafperforator and spider mites.

Lock-On may be applied undiluted (0.25 gallons/acre) or in up to 10 gallons of total spray volume per acre using aerial (fixed wing or helicopter) or power-operated ground equipment. Do not exceed 10 gallons total spray volume per acre. Treat when field counts indicate damaging insect populations are developing or present. Retreat as necessary to maintain control.

Special Guidelines for Bollworm and Budworm Control

For the most effective control of bollworms and budworms, scout fields twice a week and apply Lock-On when worms are 1/4 inch or less in length. The following table illustrates the size of worms in relation to age and stage of development (instar) as a guide to timing treatments for optimum control.

When to Treat Treat worms from	Age (Days) Hatch	Average Size 1/16"	Instar Hatch
"Hatch" through	3	3/32*	1
"II" Instar	5*	9/32"	11
	6	7/16"	14
	8	11/16"	IV

1/16"	' (pictures of worms to right of these dimensions)
3/32"	
9/32	
7/16	
11/16	5*

*Note: A scouting schedule of once per week is inadequate since hatching worms will have exceeded ideal size for control (hatch through II instar) before the next scouting observation has determined the need to spray.

page 10

Restrictions

Do not apply Lock-On within 40 days before harvest. Do not allow livestock to graze in treated areas. Do not feed gin trash or treated forage to livestock.

Warranty Disclaimer

DowElanco warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated on the label when used in strict accordance with the directions, subject to the inherent risks set forth below. DOWELANCO MAKES NO OTHER EXPRESS OR IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR ANY OTHER EXPRESS OR IMPLIED WARRANTY.

Inherent Risks of Use

It is impossible to eliminate all risks associated with use of this product. Crop injury, lack of performance, or other unintended consequences may result because of such factors as use of the product contrary to label instructions (including conditions noted on the label, such as unfavorable temperatures, soil conditions, etc.), abnormal conditions (such as excessive rainfall, drought, tornadoes, hurricanes), presence of other materials, the manner of application, or other factors, all of which are beyond the control of DowElanco or the seller. All such risks shall be assumed by Buyer.

Limitation of Remedies

The exclusive remedy for losses or damages resulting from this product (including claims based on contract, negligence, strict liability, or other legal theories), shall be limited to, at DowElanco's election, one of the following:

- (1) Refund of purchase price paid by buyer or user for product bought, or
- (2) Replacement of amount of product used.

DowElanco shall not be liable for losses or damages resulting from handling or use of this product unless DowElanco is promptly notified of such loss or damage in writing. In no case shall DowElanco be liable for consequential or incidental damages or losses.

The terms of the Warranty Disclaimer above and this Limitation of Remedies cannot be varied by any written or verbal statements or agreements. No employee or sales agent of DowElanco or the seller is authorized to vary or exceed the terms of the Warranty Disclaimer or this Limitation of Remedies in any manner.

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EPA acceptance date of currentlabeling: 05/22/91 Revised 06/08/93 Amendments: 1) Added label statements required by the Worker Protection Standard.

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PN. 19 62719-79



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

WASHINGTON, D.C. 20460

DEC 9 1993

Robert F. Bischoff DOWELANCO QUAD IV 9002 PURDUE ROAD INDIANAPOLIS, IN. 46268 OFFICE OF PREVENTION, PESTICIDES AND TOXIC SUBSTANCES

Jile Con OF 14

Subject: Label Amendment Submission of 06/15/93 In Response to PR Notice 93-7 EPA Reg. No. 62719-79 LOCK-ON INSECTICIDE

Dear Registrant:

The labeling cited above and submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), as amended, is accepted subject to the comments reflected on the enclosed sheet. A copy of your proposed labeling stamped "ACCEPTED WITH COMMENTS" is enclosed.

WHAT THIS ACCEPTANCE MEANS:

Based on your certification, the Agency has accepted the labeling changes that are necessary to comply with the Worker Protection Standard (WPS) labeling requirements of 40 CFR part 156, subpart K, described in PR Notices 93-7 and 93-11. Any other labeling changes submitted in connection with this amendment application but not directly related to compliance with the WPS have not been reviewed or accepted by the Agency. If you wish to make such changes, you must submit a separate amendment application proposing them. If your product is currently suspended, the acceptance of this labeling amendment does not affect the suspension in any way.

WHAT YOU NEED TO DO NEXT:

By the next laber printing make all the specified changes to your labeling. Send to EPA one (1) copy of the final printed labeling:

BEFORE selling or distributing any product bearing the final printed labeling AND

WITHIN one year from date of this acceptance.



Page 2

Submit the final printed labeling via the U.S. Postal Service to:

Document Processing Desk (FIN-LABEL) Office of Pesticide Programs (7505C) U.S. Environmental Protection Agency 401 M Street, SW Washington, D.C. 20460-0001

Hand or courier deliveries of final printed labeling may be made to:

Document Processing Desk (FIN-LABEL) Office of Pesticide Programs Room 266A, Crystal Mall 2 1921 Jefferson Davis Highway Arlington, VA 22202

Sincerely, Jin Tompians, Deputy Chief Registration Support Branch Registration Division (7505W)

Attachment

3 of 14

DOWELANCO LOCK-ON INSECICIDE. 62719-79 06/15/93 Original Submission

You have selected the wrong chemical resistant materials for gloves based on the chemical-resistant category identified in your proposed label. Please refer to page 19 of the Main Labeling Guidance for the appropriate choices.

Add "Organophosphate" either under the brand name or in the Statement of Practical Treatment. Add the Spanish message text under the signal word: "Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand the label, find someone to explain it to you in detail.)" You must add an Agricultural Use Requirements referral box to your main label. Please refer to page 43 of the Main Labeling Guidance for the correct text and placement.

40F14

printed June 14, 1993

9 1993

(Editor's note: Deleted text shown with strike-through, added text underlined) (Datapack, Lock-On): (Base label, 2.5 and 55 gal): ACCEPTED with COMMENTS In SPA Lotter Dated

(logo) DowElanco

Lock-On*

Under the Federal Insenticide, Pundicide, and Redenticide Act as amonded, for the posticide registered under EPA Eq. No. 62719-79

DEC

For control of various insects infesting alfalfa and cotton

Active ingredient:

Precautionary Statements

Hazards to Humans and Domestic Animals Keep Out of Reach of Children WARNING Preceucion al usuario: Si ucted no leo inglés, no uso este producto hasta que la stiqueta le haya side explicada ampliamente.

Si usted no entiende la etiqueta, busque a alquien para que se la explique a usted en detaile. (If you do not understand the label, find someone to explain it to you in detail.)

May Cause Eye Injury . Harmful If Swallowed or Absorbed Through The Skin

Do not get in eyes, on skin, or on clothing. --Weer-goggies, face-shield, or safety glasses. --Wash-theroughly with scap and water after handling. Remove-contaminated clothing and wash-before-reuse.

Do not apply this product in such a manner as to directly or through drift expess workers or other persons. The area being treated must be vasated by unprotected persons.

Personal Protective Equipment (PPE)

Some materials that are chemical-resistant to this product are listed below. If you want more options, follow the instructions for category D on an EPA chemical resistance category selections chart.

Applicators and other handlers must weer:

Long-sleeved shirt and long pants

- Chemical-resistant aloves such as Barrier Laminate or Viton
- Shoes plus socks
- · Protective evenuer

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Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them, Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

User Safety Recommendations

Users should:

- Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
- Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

First Ald

This product is an organophosphate and is a cholinesterase inhibitor. If swallowed: Do not induce vomiting. Contains aromatic petroleum solvent. Call a physician or Poison Control Center immediately.

if in eyes: Flush with plenty of water. Get medical attention if irritation persists. If on skin: Wash with plenty of soap and water. Get medical attention if irritation persists.

if inhaled: Remove to fresh air if effects occur. Get medical attention.

Note to physician: Chlorpyrifos is a cholinesterase inhibitor. Treat

symptomatically. If exposed, plasma and red blood cell cholinesterase tests may indicate significance of exposure (baseline data are useful). Atropine, only by injection, is the preferable antidote. Oximes, such as 2-PAM/protopam, may be therapeutic if used early; however, use only in conjunction with atropine. In case of severe acute poisoning, use antidote immediately after establishing an open airway and respiration.

Environmental Hazards

This pesticide is toxic to birds and wildlife, and extremely toxic to fish and aquatic organisms. Do not apply directly to water. Drift and runoff from treated areas may be hazardous to aquatic organisms in adjacent aquatic sites. Cover or incorporate spills. Do not contaminate water when disposing of equipment washwaters. This product is highly toxic to bees exposed to direct treatment or residues on blooming crops or weeds. Avoid use when bees are actively foraging. Protective information may be obtained from your cooperative agricultural extension service.

Physical or Chemical Hazards

Flammable - Do not use or store near heat sources or open flame. Do not use in the vicinity of pilot lights.

Refer to attached label booklet for additional precautionary information, First Aid and Directions for Use.

Notice: Read the entire label. Use only according to label directions. Before buying or using this product, read "Warranty Disclaimer" and "Limitation of Remedies" inside label booklet.

In case of emergency endangering health or the environment involving this product, call collect 517-636-4400.

Agricultural Chemical: Do not ship or store with food, feeds, drugs or clothing.

EPA Reg. No. 62719-79 08774 EPA Est. 464-MI-1 900-000970

*Trademark of DowElanco DowElanco • Indianapolis, IN 46268, U.S.A.

Insecticide

page 3

RoF14

printed June 14, 1993

(Cover, datapack, Lock-On):

(logo) DowElanco

Lock-On*

For control of various insects infesting alfalfa and cotton

Active ingredient:

Keep Out of Reach of Children WARNING AVISO: Precaucion al usuario: Si usted no lee inglés, no use este producto hasta que la

etiqueta le haya sido explicada ampliamente.

Refer to inside of label booklet for additional precautionary information, First Aid and Directions for Use.

Notice: Read the entire label. Use only according to label directions. Before buying or using this product, read "Warranty Disclaimer" and "Limitation of Remedies" inside label booklet.

In case of emergency endangering health or the environment involving this product, call collect 517-636-4400.

Agricultural Chemical: Do not ship or store with food, feeds, drugs or clothing.

EPA Reg. No. 62719-79 08774 EPA Est. 464-Mi-1 900-000970

*Trademark of DowElanco DowElanco • Indianapolis, IN 46268, U.S.A.

Insecticide

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printed June 14, 1993

(page 2 through end):

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Hezerds to Humans and Domestic Animals AVISO:

Precevelon al veverier-Si usted no les inglés, no use este producto haste que la etiqueta la hava sido explicada ampliamento.

Si usted no entiende la etiqueta, busque a alquien para que se la explique a usted en detaile. (If you do not understand the label, find someone to explain it to you in detail.)

May Cause Eye Injury . Harmful If Swallowed or Absorbed Through The Skin

Do not get in eves, on skin, or on clothing. Weer goggles, face shield, or safety glasses. Wash thoroughly with soup and water after handling. Remove contaminated clothing and wash before reuse.

Do not apply this product in such a manner as to directly or through drift expose workers or other persons. The area being treated must be vacated by unprotected persons.

Personal Protective Equipment (PPE)

Some materials that are chemical-resistant to this product are listed below. If you want more options, follow the instructions for category D on an EPA chemical resistance category selections chart.

Applicators and other handlers must wear:

Long-sleeved shirt and long pants

- Chemical-resistant cloves such as Barrier Laminate or Viton
- Shoes plus socks.
- Protective evewear

Discard clothing and other absorbent m trials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them. Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

User Selety Recommendations

Users should:

- Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
- Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.

 Remove PPE immediately after handling this product. Wash the outside of gloves. before removing. As soon as possible, wash thoroughly and change into clean clothing.

pege 5

WARNING

First Ald

This product is an organophosphate and is a cholinesterase inhibitor. If swallowed: Do not induce vomiting. Contains aromatic petroleum solvent. Call a physician or Poison Control Center immediately.

If in eyes: Flush with plenty of water. Get medical attention if irritation persists. If on skin: Wash with plenty of scap and water. Get medical attention if irritation persists.

If Inhaled: Remove to fresh air if effects occur. Get medical attention.

Note to physician: Chlorpyrifos is a cholinesterase inhibitor. Treat symptomatically. If exposed, plasma and red blood cell cholinesterase tests may indicate significance of exposure (baseline data are useful). Atropine, only by injection, is the preferable antidote. Oximes, such as 2-PAM/protopam, may be therapeutic if used early; however, use only in conjunction with atropine. In case of severe acute poisoning, use antidote immediately after establishing an open airway and respiration.

Environmental Hazards

This pesticide is toxic to birds and wildlife, and extremely toxic to fish and aquatic organisms. Do not apply directly to water. Drift and runoff from treated areas may be hazardous to aquatic organisms in adjacent aquatic sites. Cover or incorporate spills. Do not contaminate water when disposing of equipment washwaters. This product is highly toxic to bees exposed to direct treatment or residues on blooming crops or weeds. Avoid use when bees are actively foraging. Protective information may be obtained from your cooperative agricultural extension service.

Physical or Chemical Hazards

Flammable - Do not use or store near heat sources or open flame. Do not use in the vicinity of pilot lights.

Directions for Use

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

Read all Directions for Use carefully before applying.

Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application.

For any requirements specific to your State or Tribe, consult the agency resuonsible for pesticide regulation.

-Reentry

Do not apply this product in such a manner as to directly or through drift expose workers or other persons. The area being treated must be vacated by unprotected persons.

Agricultural Use Requirements

Use this product only in accordance with its labeling and with the Worker Protection Standard. 40 CFR part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exemptions pertaining to the statements on this label about personal protective equipment (PPE) and restricted-entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 12 hours.

<u>PPE required for early entry to treated areas that is permitted under the Worker</u> <u>Protection Standard and that involves contact with anything that has been treated.</u> <u>such as plants, soil, or water, is:</u>

Coveralls

Chemical-resistant gloves such as Barrier Laminate or Viton

Shoes plus socks

Protective evewear

STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage or disposal.

Pesticide Disposal: Pesticide wastes are toxic. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal law. If these wastes cannot be disposed of by use according to label instructions, contact your state pesticide or environmental control agency, or the hazardous waste representative at the nearest EPA regional office for guidar...e.

Container Disposal: Triple rinse (or equivalent). Then puncture and dispose of in a sanitary landfill, or by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

General Information

Lock-On insecticide controls various insects infesting alfalfa and cotton. Lock-On forms an emulsion when diluted with water and is suitable for use in all conventional spray equipment.

General Use Precautions

Lock-On is highly toxic to bees exposed to direct treatment or residues on blooming crops or weeds. Do not apply when bees are foraging or clustered outside of hives. Information on methods of protecting bees from insecticide damage may be obtained from your agricultural extension service.

Chemigation: Do not apply Lock-On through any type of irrigation system.

Mixing Directions

Partly fill spray tank with water. Start agitation, and add the required amount of Lock-On. Continue agitation and finish filling spray tank to required spray volume. Maintain sufficient agitation during mixing and application to insure uniformity of the spray mixture.

Application Guidelines

Proper application techniques are necessary to insure thorough spray coverage and correct dosage required for effective insect control. The following recommendations should be followed when applying Lock-On.

Aerial Application

Shorten boom length if necessary to prevent spray from entering vortices generated by wing tips or helicopter rotors. Reduce swath width when the wind direction is parallel to the direction of spraying. A flying height of 5 to 15 feet above the target surface is recommended to achieve optimum coverage. Use permanent swath markers or flagging for aerial application.

Proper nozzle arrangement and swath width are required to prevent variability in the spray pattern and insure proper spray deposition. Spray boom nozzle orientation affects the amount of droplet break-up which occurs. More break-up occurs when nozzle orientation is changed from straight back (parallel) to straight down (at a right angle) to the air flow over the boom. The desired droplet size (160 to 200 microns) is obtained by setting the nozzle orientation somewhere between these two extremes.

Spray pattern deposition, droplet size distribution and effective swath width can be evaluated by application of sprays containing a water-soluble dye over a paper tape (adding machine tape).

Ground Application

Use power-operated equipment capable of thorough coverage of the target crop. Use flat fan or disc-core hollow cone nozzles. Refer to manufacturer's recommendations on nozzle spacing, boom height and operating pressure to obtain uniform coverage. Swath width should not exceed boom width. Ideal droplet size (100 to 200 microns) is obtained with a boom spray pressure of 40 to 60 psi. Adjust boom pressure to minimize spray drift. Spray drift is wasted spray and cannot be confined to the target area.

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Approved Crops

Alfalfa (For Use in Arizona and California)

Use Lock-On to control insects infesting alfalfa by application as a broadcast spray at the dosages indicated:

PestApplication Ratealfalfa caterpillar1 1/2 to 2 pints/acrearmyworms

Apply Lock-On in enough water to ensure thorough coverage of crop foliage using aerial (fixed wing or helicopter) or power-operated ground spray equipment. Lock-On should be applied in 3 to 5 gallons of water per acre. Do not apply in dilutions exceeding 5 gallons (water plus insecticide) per acre. Treat when field counts or crop injury indicates that damaging pest populations are developing or present. Excessively cool conditions may cause a reduction in insect control.

Precautions

Do not tank mix Lock-On with pesticides, surfactants, or fertilizer formulations unless prior use has shown the combination to be non-injurious under current conditions of use.

Some phytotoxic symptoms may be observed on young, tender, rapidly growing alfalfa plants or alfalfa plants under extreme heat or drought stress when treated with Lock-On. Alfalfa will outgrow these symptoms and no yield loss is expected.

This product is highly toxic to bees exposed to direct treatment. Do not apply if nearby bees are clustered outside of hives and bees are foraging. Protective information may be obtained from your agricultural extension service.

Do not apply through overhead sprinkler irrigation systems.

Restrictions

Do not cut or graze treated alfalfa within 4 days after application of 1 1/2 to 2 pints of Lock-On per acre. Do not make more than 4 applications per year or apply more than one time per crop cutting.

pink bollworm

Cotton (For Use in Arizona and California)

Use Lock-On to control the following pests at the dosages indicated:

 Pest
 Application Rate

 armyworm
 2 pt/ acre

 cotton aphid
 2 pt/ acre

 cotton fleahopper
 2

 Lygus
 sait marsh caterpillar

 thrips
 cotton bollworm

 tobacco budworm
 boll weevil

 cutworm
 cutworm

Note: The 2.0 pint per acre rate will aid in the suppression of cotton leafperforator and spider mites.

Lock-On may be applied undikited (0.25 gallons/acre) or in up to 10 gallons of total spray volume per acre using aerial (fixed wing or helicopter) or power-operated ground equipment. Do not exceed 10 gallons total spray volume per acre. Treat when tield counts indicate damaging insect populations are developing or present. Retreat as necessary to maintain control.

Special Guidelines for Bollworm and Budworm Control

For the most effective control of bollworms and budworms, scout fields twice a week and apply Lock-On when worms are 1/4 inch or less in length. The following table illustrates the size of worms in relation to age and stage of development (instar) as a guide to timing treatments for optimum control.

When to Treat Treat worms from	Age (Days) Hatch	Average Size	instar Hatch
"Hatch" through	3	3/32*	1
"II" instar	5*	9/32"	Ħ
	6	7/16"	IH
	8	11/16"	IV

1/16" (pictures of worms to right of these dimen	isions)
3/32	
9/32*	
7/16"	I<- 1/2" ->I
11/16"	

*Note: A scouting schedule of once per week is inadequate since hatching worms will have exceeded ideal size for control (hatch through II instar) before the next scouting observation has determined the need to spray.

printed June 14, 1993

Restrictions

Do not apply Lock-On within 40 days before harvest. Do not allow livestock to graze in treated areas. Do not feed gin trash or treated forage to livestock.

Warranty Disclaimer

DowElanco warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated on the label when used in strict accordance with the directions, subject to the inherent risks set forth below. DOWELANCO MAKES NO OTHER EXPRESS OR IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR ANY OTHER EXPRESS OR IMPLIED WARRANTY.

Inherent Risks of Use

It is impossible to eliminate all risks associated with use of this product. Crop injury, lack of performance, or other unintended consequences may result because of such factors as use of the product contrary to label instructions (including conditions noted on the label, such as unfavorable temperatures, soil conditions, etc.), abnormal conditions (such as excessive rainfall, drought, tornadoes, hurricanes), presence of other materials, the manner of application, or other factors, all of which are beyond the control of DowElanco or the seller. All such risks shall be assumed by Buyer.

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The exclusive remedy for losses or damages resulting from this product (including claims based on contract, negligence, strict liability, or other legal theories), shall be limited to, at DowElanco's election, one of the following:

- (1) Refund of purchase price paid by buyer or user for product bought, or
- (2) Replacement of amount of product used.

DowElanco shall not be liable for losses or damages resulting from handling or use of this product unless DowElanco is promptly notified of such loss or damage in writing. In no case shall DowElanco be liable for consequential or incidental damages or losses.

The terms of the Warranty Disclaimer above and this Limitation of Remedies cannot be varied by any written or verbal statements or agreements. No employee or sales agent of DowElanco or the seller is authorized to vary or exceed the terms of the Warranty Disclaimer or this Limitation of Remedies in any manner.

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EPA acceptance date of currentiabeling: 05/22/91 Revised 06/06/93 Amendments: 1) Added label statements required by the Worker Protection Standard.