



**COMPANY
NUMBER** 359-

**PRODUCT
SERIAL NO.** 659

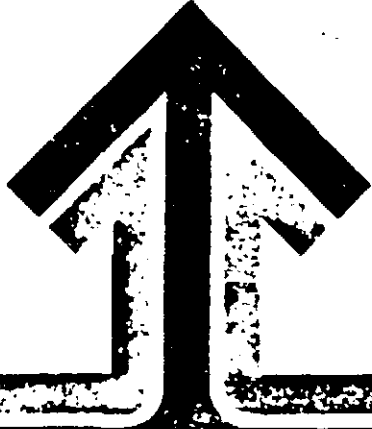
**LABEL
APPROVAL
DATE** 5-23-85

chipco
The right approach

SPECIMEN LABEL ¹⁰⁶⁶ PM 23
PRODUCT NUMBER 2145

359-659

Ronstar® G HERBICIDE



ACCEPTED
MAY 23 1985
Under the Federal Insecticide,
Fungicide, and Rodenticide Act,
as amended, for the Pesticide
registered under
EPA Reg. No. 359-659

**FOR SALE TO, USE AND STORAGE BY COMMERCIAL NURSERY,
TURF AND LANDSCAPE PERSONNEL ONLY**

**Selective, preemergent herbicide for the control of annual grasses
and broadleaf weeds in Turf and woody Ornamental shrubs, vines,
and trees.**

ACTIVE INGREDIENT:

Oxadiazon [2-*tert*-butyl-4-(2,4 dichloro-
5-isopropoxyphenyl)- Δ^2 -1,3,4-oxadiazolin-5-one] 2.0%
INERT INGREDIENTS 98.0%

KEEP OUT OF REACH OF CHILDREN
WARNING
STATEMENT OF PRACTICAL TREATMENT
IF ON SKIN wash with soap and water.
IF IN EYES flush with plenty of water; get medical attention.
See Back Panel for Additional Precautionary Statements

EPA Reg. No. 359-659
EPA Est. No.
0585

Manufactured by
RHÔNE-POULENC INC.
AGROCHEMICAL DIVISION
Monmouth Junction, N.J. 08852

NET CONTENTS:
50 POUNDS
KILOS

ADD:

**PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS**

WARNING

Causes eye and skin irritation. Avoid contact with skin, eyes, or clothing. Avoid contamination of feed and food-stuffs. Keep opened containers away from children and animals. Wash clothing and equipment after handling this product.

ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish. Use with care when applying in areas adjacent to any body of water. Do not contaminate water by cleaning of equipment or disposal of wastes.

**DIRECTIONS FOR USE
GENERAL CLASSIFICATION**

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

STORAGE AND DISPOSAL

STORAGE:

Do not contaminate water, food or feed by storage or disposal. Do not store near other pesticides or seeds.

PESTICIDE DISPOSAL:

Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

CONTAINER DISPOSAL:

Completely empty bag into application equipment. Then dispose of empty bag 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

Chipco Ronstar G is a selective, preemergent herbicide for control of many annual grasses and broadleaf weeds in turf and on a wide variety of woody ornamental shrubs, vines, and trees. Chipco Ronstar G controls weeds by killing the young weed seedlings as they come in contact with the herbicide during germination.

Apply Chipco Ronstar G with a properly calibrated granular applicator that will apply the granules uniformly (uniform application is essential for satisfactory weed control). Calibrate the applicator prior to use, according to the manufacturer's directions, and check frequently during the application to be certain that the equipment is working properly.

Do not allow domestic animals to graze treated areas. Avoid contamination of water intended for irrigation and domestic use.

TURF

For use in established perennial Bluegrass, Bermudagrass, Perennial Ryegrass, St. Augustine grass, Tall Fescue, and Zoysia turf; such as, fairways, parks, golf courses, and lawns. Chipco Ronstar G controls Crabgrass (*Digitaria spp.*), Annual Bluegrass (*Poa annua*), and Goosegrass (*Eleusine indica*); also controls Florida Pusley (*Richardia scabra*), Oxalis (*Oxalis spp.*), Stinging Nettle (*Urtica dioica*), Carpetgrass (*Axonopus offinis*), and Pigweed (*Amaranthus spp.*).

Rake turf area free of leaves, mowing if necessary, so granules reach soil surface. Measure area to be treated and uniformly apply required amount, using a fertilizer spreader. Cross-treating with one-half required amount in each direction will give best results. Do not apply to wet turf. If rain is not expected shortly after application, sprinkling turf thoroughly will increase effectiveness.

AMOUNT TO USE:

Crabgrass and Goosegrass Control: For preemergent control, apply 100-200 pounds per acre (2 to 4 pounds active ingredient) or 2 1/4 to 4 1/2 pounds per 1000 sq. ft. of Chipco Ronstar G in early spring prior to seed germination. Application made after March or April may not be fully effective.

Annual Bluegrass Control: For preemergent control, apply 200 pounds per acre (4 pounds active ingredient) or 4½ pounds per 1000 sq. ft. of Chipco Ronstar G in late summer to early fall or in early spring prior to seed germination.

Pigweed, Florida Pusley, Oxalis, Stinging Nettle, and Carpetgrass Control: For preemergent control of these weeds, apply 200 pounds per acre (4 pounds active ingredient) or 4½ pounds per 1000 sq. ft. of Chipco Ronstar G in early spring prior to weed seed germination.

For St. Augustinegrass turf, do not exceed the rate of 150 pounds per acre (3 pounds active ingredient) of Chipco Ronstar G.

Chipco Ronstar G may cause discoloration of Bermudagrass and St. Augustinegrass. This discoloration is temporary and normally outgrown within 2 to 3 weeks.

Red Fescue and Bentgrass are not tolerate to Chipco Ronstar G. The use of this product on turf containing Red Fescue or Bentgrass should be limited to situations where they are undesirable grasses. Avoid contact with flowers and shrubs except as recommended elsewhere on this label. Do not apply Chipco Ronstar G to newly seeded areas. Seeding into treated areas should be delayed until 4 months after treatment. Do not apply to Dichondra or Centipedegrass. Chipco Ronstar G should not be used on putting greens or tees because of the varying cultural practices used.

WOODY ORNAMENTAL SHRUBS, VINES, AND TREES ✓

APPLICATION:

Apply Chipco Ronstar G anytime during the year, prior to weed seed germination, for weed control. Chipco Ronstar G can be applied to both newly transplanted and established ornamentals. Application can be made to actively growing or dormant ornamentals. Rainfall or overhead irrigation after application of Chipco Ronstar G will improve weed control activity. Chipco Ronstar G should not be mixed into the soil. Cultivating or disturbing the soil may reduce the weed control activity of Chipco Ronstar G. Do not apply to wet foliage or under conditions in which granules will collect on leaves.

AMOUNT TO USE:

Ground Application — Apply Chipco Ronstar G broadcast to ornamentals at 100 to 200 pounds of product per acre (or 2¼ to 4½ pounds per 1,000 sq. ft.) depending on the weeds to be controlled, as listed below. Remove existing weed growth before application.

Chipco Ronstar G at 100 to 200 pounds (2.0 to 4.0 pounds of active ingredient) per acre is effective in controlling annual grasses and broadleaf weeds such as:

ANNUAL BROADLEAF WEEDS

- | | |
|---|---|
| Bittercress (<i>Cardamine spp.</i>) | Pennsylvania Smartweed |
| Carpetweed (<i>Mollugo verticillata</i>) | (<i>Polygonum pennsylvanicum</i>) |
| Common Groundsel (<i>Senecio vulgaris</i>) | Petty Spurge (<i>Euphorbia peplus</i>) |
| Common Purslane (<i>Portulaca oleracea</i>) | Redroot Pigweed (<i>Amaranthus retroflexus</i>) |
| *Eveningprimrose (<i>Oenothera spp.</i>) | Speedwell (<i>Veronica spp.</i>) |
| *Galinsoga (<i>Galinsoga spp.</i>) | Spotted Catsear (<i>Hypochaeris radicata</i>) |
| Golden Ragwort (<i>Senecio aureus</i>) | *Swinecress (<i>Coronopus didymus</i>) |
| Lambsquarters (<i>Chenopodium album</i>) | Yellow Woodsorrel (<i>Oxalis stricta</i>) |

ANNUAL GRASSES

- | | |
|--|---|
| Annual Bluegrass (<i>Poa annua</i>) | Fall Panicum (<i>Panicum dichotomiflorum</i>) |
| *Barnyardgrass (<i>Echinochloa crus-galli</i>) | Green Foxtail (<i>Setaria viridis</i>) |
| Crabgrass (<i>Digitaria spp.</i>) | |

*Use 150 to 200 pounds (3.0 to 4.0 pounds of active ingredient) per acre for less susceptible weeds

NOTE:

For the control of Liverwort (*Marchantia spp.*) in California, Goosegrass (*Eleusine indica*) and Prostrate Spurge (*Euphorbia supina*) use 200 pounds (4.0 pounds of active ingredient) per acre.

CROP TOLERANCE:

Chipco Ronstar G is recommended for use on a wide variety of container and field grown woody, ornamental shrubs, vines, and trees. Chipco Ronstar G may be used at the recommended rates on the following ornamental species:

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How To Calibrate Spreaders For Applications Of CHIPCO® RONSTAR® G

Spreader Models	Ground Speed MPH	Rate RONSTAR G Per Acre			Effective Width in Feet
		100	150	200	
CYCLONE Spreader on Wheels Model B 99 and 100 Electric & PTO Such as Kushman Uses Model 10 and 20		Spreader Settings			
	One Trip	3.25	3.75	4.0	6.5
	Two Trips	2.5	3.0	3.25	6.5
		5.5	6.5	7.5	11
		5/16"	7/16"	1/16"	10
		past #3	past #3	past #4	10
EZEEL FLOW Model No. 105 Model No. 106 & 116 Model No. 109		Spreader Settings			
	—	D	E	—	—
	3.75	A-2	B-2	—	28
	5.0	B-2	—	C-2	28
	3.5	C-3	—	B-4	36
	5.0	A-4	B-4	C-4	36
GANDY Turf Tender	3.0	Spreader Settings			
		22	25	27	
LELY Model H Pro 425 RPM (Ring Arm in Hole I or II) Model W (Ring Arm in Hole I or II)		Spreader Settings			
	3	2	2.5	3	
	4	—	3	—	3.25
		4.5	2.5	3	
SCOTT'S Scott Drop Scott R7— (PR-1, PT-10, PT-11) Scott Rotary Seymour		Spreader Settings			
		3%	4	4%	—
				D	7
				5A	9
VICON 202-1002		Spreader Settings			
	3	18	22	27	20
	4	—	27	30	20
	5	24	—	36	20
	6	27	32	—	20

NOTE: These settings serve as guides only. Other settings may be necessary to conform to the condition of your equipment. For additional information on calibration, contact your Rhone-Poulenc sales representative.

CONTAINER GROWN

ESTABLISHED

SPECIES	VARIETIES	SPECIES	VARIETIES
Agapanthus —	Africanus	Jasmine —	Yellow Star, Star
Andromeda —	Japanese	Juniper —	Bar Harbor, Wilton, Torulosa, Pfitzeriana Compacta, Pfitzeriana Aurea, Torulosa Variegata, Pfitzeriana Glauca, Gulf Stream, Tam, Armstrongii, Shore, Andora, San Jose, Blue Haven, Stricts, Jade River, Broadmoor, Meyer, Rocket, Plumosa, Royal Beauty, Praecox, Greek, Apiculata Blackburn, Plumosa Compacta, Procumbens, Blue Pfitzer
Arborvitae —	American, Eastern, Oriental, Aureanana, Globe, Pyramidal, Woodward	Justica —	Brandegeana
Arctostaphylos —	Fred Oeher	Leucothoe —	Catesbaei, Axillans
Azalea —	Hino Red, Red, Boudoir, Snowball, Karen, Kaempp, Stuartonian, Mollishybrid, Sweetheart Supreme, Salmon Beauty, Caroline Gable, Louise, Stewartsonian, Rosebud	Myrtle —	Compacta Noellii
Barberry —	Redleaf, Marshall Red, Darwinii, Inwini, Purpleleaf	Magnolia —	Dr. Merrill, Samuel Somers, Grandiflora
Boxwood —	Common, Japanese	Mahonia —	Oregon Grape-Holly
Callistemon —	Bottle-brush	Osmanthus —	Fortunes
Camellia —	Glen #40, Sasangua, Colonel Fiery	Pertwinkle —	Vinca minor
Ceanothus —	Atlas, Portoford (Alumii)	Photinia —	Frazerii
Cedar —	Atlas, Portoford (Alumii)	Pine —	Slash, Japanese Black, Montana, Scotch, Digger, Shc's, Thumbergii
Cotoneaster —	Painey, Bearberry, Coral Beauty, Greyleaf, Cranberry, Silverleaf, Peking, Bright Bead, Dammeri, Skolgholm, Microphylla, Lowfast, Glaucophylla	Pittosporum —	Variegated, Japanese
Cypress —	Monterey	Podocarpus —	Macrophylla
Dogwood —	Red Osier	Privet —	Japanese, Waxleaf, Glossy, Vicary, Golden Vicary, Curly Leaf
Douglas Fir —	Pseudotsugamenziesii	Pyracantha —	Victory, Scarlet Firethorn, Wytati, Grabem
Eucalyptus —	Sideroxylon, Nicholii	Quercus	India Hawthorn
Euonymus —	Greenlane, Microphylla Variegata, Emeraldgaely, Dwarf, Gold Spot, Golden Green, Silver King, Wintercreeper Vegetus, Emerald Cushion, Spreading	Raphiolepis —	Cunningham, Blue Diamond, Snow, Christmas, Chonoides, PUM, Dr. Rutgers, Coral Bells, President Clay
Forsythia —	Lynwood Gold	Rhododendron —	Summer Snow, Bigleaf Winter Creeper, Charlotte Armstrong
Gardenia —	Amy Yashioaka, August Beauty, Mystery	Rose —	Yellow Star Jasmine
Ginkgo —	Bioba	Star Jasmine —	Paniculatum
Heath		Syzygium —	Sandankwa, Laurestinus, David
Heather —	Mrs Maxwell	Viburnum —	Congestum
Hedera —	English Ivy	Xylocma —	
Honeysuckle —	Purpleleaf, Purpurea		
Holly —	Dwarf Okinowan, Convexa, Rotundifolia, Hetzi, Heller, Burfordi, English, Hellus, Dwarf Yaupon, Nellie R. Stevens, Boxleafed, Green Island, Japanese		

NEWLY TRANSPLANTED

SPECIES	VARIETIES	SPECIES	VARIETIES
Andromeda —	Japanese	Juniper —	Plumosa, Plumosa Compacta, Old Gold, Pfitzeriana Aurea, Torulosa, Armstrongii, Tam, Wiltoni, Procumbens
Arborvitae —	Globe, Woodward	Leucothoe —	Axillaris
Azalea —	Hino Red, Louise, Rosebud, Stewartsonian	Magnolia —	Dr. Merrill
Barberry —	Marshall Red, Darwini, Irwini, Purpleleaf	Mahonia —	Oregon Grape-foliy
Cedar —	Portoford (Alliumii)	Pine —	Slash
Cotoneaster —	Cranberry, Peking, Coral Beauty, Bright Bead, Paimey, Dammeri, Skolgholm, Microphylla, Glaucophylla	Privet —	Japanese, Waxleaf, Glossy
Cypress —	Monterey	Pyracantha —	Graberii
Dogwood —	Red Osier	Rhododendron —	Snow, Blue Diamond, Chionoides, 'PJM' Dr Rutgers
Euonymus —	Greenlane, Emerald Cushion, Spreading	Rose —	Summer Snow, Bigleaf Winter Creeper, Charlottc Armstrong
Forsythia —	Lynwood Gold		
Holly —	Rotundifolia, Helleri, English, Japanese		

FIELD GROWN

ESTABLISHED

ADD:

ADD:

Poplar →

Cedar →
Elm →
Hackberry →

SPECIES	VARIETIES	SPECIES	VARIETIES
Arborvitae —	Pyramidal	Pittosporum —	Undulatum
Ash —	Green	Privet —	California, Japanese
Azalea —	Hinodigeri	Rhododendron —	Rosebud
Barberry —	Red, Mentor	Rose —	Texas Centennial, Sutters Gold, Show Girl
Birch —	Clump, Paper	Russian Olive	
Camellia —	Tiffany, Marie Bracey, Elizabeth Dowd, Tom Knudsen, Crimson Robe, R. D. Wheeler	Spruce —	Black Hills, Norway, Serbian
Cotoneaster —	Lowfast, Skolgholm	Taxus —	Taunton Spreading Yew, Hicks
Crabapple —	Flowering, Torrigo	Teuga —	Canadian Hemlock
Dogwood —	Redstemmed, Red, Flowering	Viburnum —	European Cranberry Bush
Euonymus —	Burning Bush, Dwarf Burning Bush, Jewell	Xylosma —	
Forsythia —	Showy Border, Lynngold, Lynwood Gold, Goldenbell	Ground Covers	
Holly —	Boxleafed, Green Island, Japanese	Carpobrotus —	Edule
Honeysuckle —	Zabeli	Osteospermum	
Juniper —	Plumosa, Mint Julip, Arcardia, Variegata, Plumosa Compacta, Andora, Wiltoni, Helzi	Sedum —	Album
Lilac —	Persian, Dwarf Korean	Algerian Ivy	
Maple —	Amur	Vinca Major	
Oak —	Red	English Ivy	
Periwinkle —	Vinca Minor	Pachysandra —	Terminalis
Pine —	Austrian, Scotch, Norway, Stone, Japanese	Ajuga —	Reptans
	Black, Loblolly, Slash, Eastern White	Euonymus —	Fortunei Radicans

ADD:

ADD:

Cedar →
Elm →
Hackberry →

NEWLY TRANSPLANTED

SPECIES	VARIETIES	SPECIES	VARIETIES
Camellia —	Tiffany, Marie Bracey, Elizabeth Dowd, R. D. Wheeler, Tom Knudsen, Crimson Robe	Periwinkle —	Vinca Minor
Dogwood —	Redstemmed, Red, Flowering	Pine —	White Austrian, Eastern White
Forsythia —	Showy Border, Lynwood Gold, Goldenbell	Privet —	California, Japanese
Hedera —	English Ivy	Rhododendron —	Rosebud
Holly —	Green Island, Japanese	Russian Olive	
Juniper —	Plumosa, Andora, Wiltoni, Helzi	Spruce —	Black Hills, Norway, Serbian
Oak —	Red	Taxus —	Hicks
		Teuga —	Canadian Hemlock

Poplar

ADDITIONAL APPLICATIONS

For continued weed control, additional applications of Chipco Ronstar G may be made 60 to 120 days after the previous application in the following situations:

CONTAINER GROWN ESTABLISHED

SPECIES	VARIETIES
Abelia —	Grandiflora
Common Boxwood	
English Ivy	
Holly —	Helleri
Juniper —	Tam
Pine —	Slash
Rhododendron —	Obtusa, Kurume Formosa, Kurume Snow

2 REPEAT TREATMENTS

CONTAINER GROWN NEWLY TRANSPLANTED

SPECIES	VARIETIES
Common Boxwood	
English Ivy	
Juniper —	Tam
Pine —	Slash
Rhododendron —	Obtusa, Kurume Formosa

FIELD GROWN ESTABLISHED AND NEWLY TRANSPLANTED

SPECIES	VARIETIES
Holly —	Nelke R. Stevens, Dwarf Burford, Burfordii

3 REPEAT TREATMENTS

CONTAINER GROWN ESTABLISHED

SPECIES	VARIETIES
Abelia —	Grandiflora
Holly —	Helleri, Rotundifolia
Rhododendron —	Kurume Formosa, Kurume Snow

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FOREST NURSERIES

SEEDLINGS	— At least 4 weeks old.
SPECIES	VARIETIES
Pine —	Loblolly, Slash, Eastern White

Local conditions may affect the use of this chemical. Consult State Agricultural Experiment Station or Extension Service weed specialists for specific recommendations for local weed problems and for information on possible lower dosages.

CONDITION OF SALE, WARRANTY, LIMITATION OF LIABILITY

This product conforms to the chemical description on the label thereof and is reasonably fit for the purpose stated on such label only when used in accordance with directions under normal use conditions. Follow directions carefully. Timing and method of application, weather and crop conditions, mixture with other chemicals not specifically recommended and other influencing factors in the use of this product are beyond the control of Rhone-Poulenc or the seller. Buyer assumes all risks of use, storage, or handling of this material, not in strict accordance with directions given herewith. In no case shall Rhone-Poulenc or the seller be liable for consequential, special, or indirect damages such as loss of profits or values resulting from the use or handling of this product.

1-11-70