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| U.S. ENVIRONMENTAL PROTECTION AGENCY OFFICE OF PESTICIDES PROGRAMS REGISTRATION DIVISION (WH-567) WASHINGTON, D.C. 20460 | EPA REGISTRATION NO. 24744-4 | DATE OF ISSUANCE MAR 19 1985 |
| | TERM OF ISSUANCE 12/31/85 | |
| | NAME OF PESTICIDE PRODUCT | |

NOTICE OF PESTICIDE: REGISTRATION
 REREGISTRATION
(Under the Federal Insecticide, Fungicide and Rodenticide Act, as amended)

NAME AND ADDRESS OF REGISTRANT (Include ZIP code)

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BEST AVAILABLE COPY

NOTE: Changes in labeling formula differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above U.S. EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby Registered/Reregistered under the Federal Insecticide, Fungicide, and Rodenticide Act.

A copy of the labeling accepted in connection with this Registration/Reregistration is returned herewith.

Registration is in no way to be construed as an indorsement or approval of this product by this Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

ATTACHMENT IS APPLICABLE

SIGNATURE OF APPROVING OFFICIAL

DATE
MAR 19 1985

BEST AVAILABLE COPY

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3. Submit five (5) copies of your final printed labeling before you release the product for shipment. Refer to the A-79 Enclosure for a further description of final printed labeling.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA sec. 6(e). Your release for shipment of the product constitutes acceptance of these conditions.

A stamped copy of the label is enclosed for your records.

Richard F. Mountfort *RFM*
Product Manager (23)
Fungicide-Herbicide Branch
Registration Division (TS-767)

Enclosure

RD-PHB:JOB-89358;Ikeda:RD-53;EK;Kendrick:898-1270:3/18/85;Del.3/25/85

REGAL RONSTAR PLUS

For sale for use and storage by commercial nursery, turf and landscape personnel only. Not for use on home lawns.

REGAL RONSTAR PLUS is a selective, pre-emergence herbicide for control of annual grasses and broadleaf weeds in commercial turf and woody ornamental shrubs, vines, and trees.

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ACTIVE INGREDIENT:

Oxadiazon [2-tert-butyl-4-(2,4 dichloro-5-isopropoxyphenyl)-delta-1, 3,4-oxadiazolin-5-one] 2.0%

INERT INGREDIENTS: 98.0%

GUARANTEED FERTILIZER ANALYSIS: (96% of Product)

Total Nitrogen (N)..... 10.000%
Derived from Ammonium Nitrate
and Sulphate of Ammonia

Available Phosphoric Acid (P₂O₅)..... 10.000%
Derived from Superphosphate
and Ammoniated Phosphates

Soluble Potash (K₂O)..... 10.000%
Derived from Muriate of Potash
and Sulphate of Potash Magnesia

Secondary and Micronutrients:

Calcium (Ca)..... 6.000%
Magnesium (Mg) Water Soluble 1.000%
Sulfur (S) 8.000%
Boron (B)031%
Iron (Fe)200%
Manganese (Mn)100%
Zinc (Zn)100%

ACCEPTED
with comment
MAR 19 1985
EPA Reg. No. 48234-2

Secondary and Micronutrient Sources:

Calcium from Superphosphate, Magnesium from Sulphate of Potash Magnesia, Sulfur from Phosphates, Sulphate of Ammonia, and Sulphate of Potash Magnesia; Boron, Iron, Manganese and Zinc from Oxides or Sulphates.

KEEP OUT OF REACH OF CHILDREN

WARNING

STATEMENT OF PRACTICAL TREATMENT

Wash with soap and water if on skin.

Flush eyes with plenty of water if in eyes, get medical attention.

See side panel for additional precautionary warnings.

PRECAUTIONARY STATEMENTS:

WARNING

HAZARDS TO HUMANS: 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. Wear protective clothing including long sleeve shirt and gloves when handling. Wash thoroughly after handling.

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. Do not apply directly to water.

STORAGE AND

DISPOSAL

Store in dry enclosed area with ambient temperatures. Broken or partial bags should have contents applied according to label instructions. Multiwall paper bags should be stored, laying flat in any convenient conformation. Scoop spilled contents from any broken bags into application equipment, and apply according to label instructions. DO NOT contaminate water, food or feed by storage, disposal or cleaning equipment. DO NOT store near other pesticides, or seeds. Open dumping is prohibited. Completely empty bag by shaking to loosen particles. Empty residue into application equipment. Then dispose of bags in a sanitary landfill or by incineration if allowed by state and local authorities. If burned, stay out of smoke.

Pesticide or rinse water that cannot be used according to label instructions must be disposed of according to federal or approved state procedures under Subtitle C of the Resource Conservation and Recovery Act. Wastes resulting from the use of this product may be disposed of on site or at an approved disposal facility.

NOTICE TO BUYER:

Seller warrants that this product conforms to the chemical description on the label thereof and is reasonably fit for purposes stated on such label only when used in accordance with directions under normal use conditions. This warranty does not extend to use of this product contrary to label use directions, or under conditions not reasonably foreseeable to seller; buyer assumes all risk of any such use. Seller makes no other warranties; expressed or implied.

It is impossible to test every species and variety of ornamental or nursery plants. Plant tolerance to Regal Ronstar Plus has been found to be acceptable in the specified genera and species. Neither the manufacturer nor the seller has determined whether or not Regal Ronstar Plus can safely be used on plants not specified on this label. The professional user should determine if Regal Ronstar Plus can be used safely prior to use.

GENERAL INFORMATION:

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

10-10-10 fertilizer with secondary and micronutrients is the carrier for the herbicide. Nutrients will be supplied according to the rates applied, but they are inert to the herbicide and its activity.

DIRECTIONS FOR USE:

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

COMMERCIAL TURF

Ornamental
OK
(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. Regal Ronstar controls Crabgrass (*Digitaria* spp.), Annual Bluegrass (*Poa annua*), Goosegrass (*Eleusine indica*); and it also controls Florida Pusley (*Richardia scabra*), Oxalis (*Oxalis* spp.), Stinging Nettle (*Urtica dioica*), Carpetgrass (*Axonopus officinis*), and Pigweed (*Amaranthus* spp.).

Apply to dry foliage only with a properly calibrated granular applicator at the recommended rate in early spring before weed seed germination. If rain is not expected shortly after application, irrigation to remove herbicide granules from foliage will increase effectiveness.

For Crabgrass, Goosegrass, and Crowfoot control, apply 100-200 pounds per acre (2 to 4 pounds active ingredient) or $2\frac{1}{2}$ to $4\frac{1}{2}$ pounds per 1000 sq. ft. Late applications are not recommended and may not be fully effective.

(For Annual Bluegrass control apply 200 pounds/acre (4 pounds active ingredient) or $4\frac{1}{2}$ pounds/1000 sq. ft. in early spring or late summer prior to seed germination.

For Pigweed, Florida Pusley, Oxalis, Stinging Nettle and Carpetgrass control apply 200 pounds/acre (4 pounds active ingredient) or $4\frac{1}{2}$ pounds per 1000 sq. ft. of Regal Ronstar Plus in early spring prior to weed seed germination.

For St. Augustinegrass turf, do not exceed the rate of 150 pounds/acre (3 pounds active ingredient) of Regal Ronstar Plus.

Discoloration of bermudagrass and St. Augustinegrass may result from use of this herbicide, but this discoloration is temporary and normally outgrown within 2 to 3 weeks.

Red Fescue and Bentgrass are susceptible to Regal Ronstar Plus and may be severely damaged. Avoid use of this product on turf containing Red Fescue or Bentgrass except where they are undesirable grasses. Do not apply to newly seeded areas. Seeding into treated areas should be delayed until 4 months after treatment. DO NOT apply to Dichondra or Centipedegrass. Regal Ronstar Plus should not be used on putting greens or tees because of varying cultural practices used.

W. J. ...

WOODY ORNAMENTAL SHRUBS, VINES, AND TREES

APPLICATION:

Apply Regal Ronstar Plus anytime during the year, prior to weed seed germination, for weed control. Regal Ronstar Plus 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 Regal Ronstar Plus will improve weed control activity. Regal Ronstar Plus should not be mixed into the soil. Cultivating or disturbing the soil may reduce the weed control activity of Regal Ronstar Plus. Do not apply to wet foliage or under conditions in which granules will collect on leaves.

AMOUNT TO USE:

Ground Application - Apply Regal Ronstar Plus broadcast to ornamentals at 100 to 200 pounds of product per acre (or 2½ to 4½ pounds per 1000 sq. ft.) depending on the weeds to be controlled, as listed below. Remove existing weed growth before application.

Regal Ronstar Plus at 100 to 200 pounds (2.0 to 4.0 pounds of active ingredient) per acre is effective in controlling annual grasses and broad-leaf weeds such as:

Annual Broadleaf Weeds

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

Annual Grasses

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

*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:

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

CONTAINER GROWN

ESTABLISHED

| Species | Varieties |
|------------------|--|
| Agapanthus - | Africanus |
| Andromeda - | Japanese |
| Arborvitae - | American, Eastern, Oriental, Aureanana, Globe, Pyramidal, Woodward |
| Arctostaphylos - | Fred Oelher |
| Azalea - | Hino Red, Red, Boudoir, Snowball, Karen, Kaempp, Stuartonian, Mollishybrid, Sweetheart Supreme, Salmon Beauty, Caroline Gable, Louise, Stewartstonian, Rosebud |
| Barberry - | Redleaf, Marshall Red, Darwinii, Irwinii, Purpleleaf |
| Boxwood - | Common, Japanese |
| Callistemon - | Bottle-brush |
| Camellia - | Glen #40, Sasanqua, Colonel Fiery |
| Ceanothus | |
| Cedar - | Atlas, Portoford (Allumii) |
| Cotoneaster - | Paineyi, Bearberry, Coral Beauty, Greyleaf, Cranberry, Silverleaf, Peking, Bright Bead, Dammeri Skolgholm, Microphylla, Lowfast, Glaucophylla |
| Cypress - | Monterey |
| Dogwood - | Red Osier |
| Douglas Fir - | Pseudotsugamenziesii |
| Eucalyptus - | Sideroxylon, Nicholli |
| Euonymus - | Greenlane, Microphylla Variegata, Emeraldgaety, Dwarf, Gold Spot, Golden Green, Silver King, Wintercreeper Vegetus, Ermerald Cushion, Spreading |
| Forsythia - | Lynwood Gold |
| Gardenia - | Amy Yashioka, August Beauty, Mystery |
| Ginko - | Biloba |
| Heath | |
| Heather - | Mrs. Maxwell |
| Hedera - | English Ivy |
| Honeysuckle - | Purpleleaf, Purpurea |
| Holly - | Dwarf Okinowan, Convexa, Rotundifolia, Hetzi, Helleri, Burfordi, English, Hellus, Dwarf Yaupon, Nellie R. Stevens, Boxleafcd, Green Island, Japanese |
| Jasmine - | Yellow Star, Star |
| Juniper - | Barharbor, Wiltoni, Torulosa, Pfitzeriana Compacti, Pfitzeriana Aurea, Torulosa Variegata, Pfitzeriana Glauca, Gulf Stream, Tam, Armstrongii, Shore, Andora, San Jose, Blue Haven, Stricta, Jade River, Broadmoor, Meyeri, Rocket, Plumosa, Royal Beauty, Praecox, Greek, Apiculata Blackburn, Plumosa Compacta, Procumbens, Blue Pfizer |
| Justica - | Brandegeana |

| Species | Varieties |
|----------------|--|
| Leucothoe - | Catesbaei, Axillaris |
| Myrtle - | Compacta Noellii |
| Magnolia - | Dr. Merrilli, Samuel Somers, Grandiflora |
| Mahonia - | Oregon Grape-Holly |
| Osmanthus - | Fortunes |
| Periwinkle - | Vinca Minor |
| Photinia - | Frazerii |
| Pine - | Slash, Japanese Black, Montana, Scotch, Digger, Shore, Thumbergii |
| Pittosporum - | Variegated, Japanese |
| Podocarpus - | Macrophylla |
| Privet - | Japanese, Waxleaf, Glossy, Vicary, Golden Vicary, Curly Leaf |
| Pyracantha - | Victory, Scarlet Firethorn, Wyattii, Graberri |
| Quercus | |
| Raphiolepis - | India Hawthorn |
| Rhododendron - | Cunningham, Blue Diamond, Snow, Christmas, Chionoides, 'PJM', Dr. Rutgers, Coral Bells, President Clay |
| Rose - | Summer Snow, Bigleaf Winter Creeper, Charlotte Armstrong |
| Star Jasmine - | Yellow Star Jasmine |
| Syzygium - | Paniculatum |
| Viburnum - | Sandankwa, Laurestinus, David |
| Xylosma - | Congestum |

NEWLY TRANSPLANTED

| Species | Varieties |
|----------------|---|
| Andromeda - | Japanese |
| Arborvitae - | Glove, Woodward |
| Azalea - | Hino Red, Louise, Rosebud, Stewartstonian |
| Barberry - | Marshall Red, Darwinii, Irwinii, Purpleleaf |
| Cedar - | Portoford (Allumii) |
| Cotoneaster - | Cranberry, Peking, Coral Beauty, Bright Bead, Paineyi, Dammeri Skolgholm, Microphylla, Glaucophylla |
| Cypress - | Monterey |
| Dogwood - | Red Osier |
| Eucrymus - | Greenlane, Emerald Cushion, Spreading |
| Forsythia - | Lynwood Gold |
| Holly - | Rotundifolia, Helleri, English, Japanese |
| Juniper - | Plumosa, Plumosa Compacta, Old Gold, Pfitzeriana Aurea, Torulosa, Armstrongii, Tam, Wiltoni, Procumbens |
| Leucothoe - | Axillaris |
| Magnolia - | Dr. Merrilli |
| Mahonia - | Oregon Grape-Holly |
| Pine - | Slash |
| Privet - | Japanese, Waxleaf, Glossy |
| Pyracantha - | Graberii |
| Rhododendron - | Snow, Blue Diamond, Chionoides, 'PJM', Dr. Rutgers |
| Rose - | Summer Snow, Bigleaf Winter Creeper, Charlotte Armstrong |

FIELD GROWN

ESTABLISHED

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

NEWLY TRANSPLANTED

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

ADDITIONAL APPLICATIONS

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

2 REPEAT TREATMENTS

| CONTAINER GROWN ESTABLISHED | | CONTAINER GROWN NEWLY TRANSPLANTED | | FIELD GROWN ESTABLISHED AND NEWLY TRANSPLANTED | |
|--------------------------------|--|---------------------------------------|------------------------------|--|--|
| Species | Varieties | Species | Varieties | Species | Varieties |
| Abelia - Common Boxwood | Grandiflora | Common Boxwood | | Holly - | Nellie R. Stevens, Dwarf Buford, Buford |
| English Ivy | | English Ivy | | | |
| Holly - | Helleri | Juniper - | Tam | | |
| Juniper - | Tam | Pine - | Slash | | |
| Pine - | Slash | Rhododendron - | Obtusa, Kurume Formosa | | |
| Rhododendron | Obtusa, Kurume Formosa, Kurume Snow | | | | |

3 REPEAT TREATMENTS

CONTAINER GROWN
ESTABLISHED

| Species | Varieties |
|----------------|-----------------------------|
| Abelia - | Grandiflora |
| Holly - | Helleri, Rotundifolia |
| Rhododendron - | Kurume Formosa, Kurume Snow |

GREENHOUSE GROWN

ESTABLISHED

Species

Varieties

Rose -

Sonia, Forever Yours, Coed,
Golden Wave

FOREST NURSERIES

SEEDLINGS - At least 4 weeks old

Species

Varieties

Pine -

Loblolly, Slash, Eastern White
