

FM 23

35512-43

11/3/98

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U.S. ENVIRONMENTAL PROTECTION AGENCY
Office of Pesticide Programs
Registration Division 3756M
401 M St., S.W.
Washington, D.C. 20460

EPA Reg. Number
35512-43

Date of Issuance
NOV 3 1998

NOTICE OF PESTICIDE:
 x Registration
 Reregistration

Type of Registration
Conditional

Name of Pesticide Product:
Turf Pride Fertilizer
With Ronstar 5-20

under FIFRA, as amended

Name and Address of Registrant (include ZIP Code):

Howard Fertilizer Company, Inc.
P.O. Box 593800
Orlando, FL 32859-3800

Note: Changes in labeling 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 EPA registration number.

In the basis of information furnished by the registrant, the above named pesticide is hereby registered/reregistered under the Federal Insecticide, Fungicide and Fertilizer Act.

Registration is in no way to be construed as a endorsement or recommendation of this product by the Agency. In order to protect health and the environment, the Administrator, at his/her discretion, at any time suspend or cancel the registration of a pesticide in accordance with the Act. The Assessor, at any time 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 of its use if it has been covered by others.

This product is conditionally registered in accordance with FIFRA sec. 3(c)(7)(A) provided that you:

1. Submit and/or cite all data required for registration of your product under FIFRA sec. 3(c)(3) when the Agency requires all registrants of similar products to submit such data; and submit acceptable responses required for reregistration of your product under FIFRA section 4.

2. Make the following label changes:

- a. Revise the EPA Registration Number to read, "EPA Reg. No. 35512-43".
- b. Submit individual labels and CSFs for each formulation point you intend to market. The labels within the range registration must specify and maintain the same application rate per unit area.

3. Submit two (2) copies of the revised final printed label for the record.

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

NOV 3 1998

* Note: stamp on last pg.

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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.

Joanne I. Miller
Product Manger (23)
Herbicide Branch
Registration Division (7505C)

Enclosure

Isopropylphenyl) Δ-1,3,4-oxadiazolin-5-one) - 0.50% - 98.00%

OTHER INGREDIENTS: - 99.50% - 98.00%

Total 100.00% - 100.00%

Contains RONSTAR® Herbicide. A Registered Trade Mark of Rhone-Poulenc Inc.

KEEP OUT OF REACH OF CHILDREN WARNING - AVISO

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.)

FIRST AID

IF SWALLOWED: Call a doctor or get medical attention. Do not induce vomiting or give anything by mouth to an unconscious person. Drink promptly a large quantity of milk, eggwhites, gelatin solution, or if these are not available, drink large quantities of water. Avoid alcohol. **IF IN EYES:** Hold eyelids open and flush with a steady, gentle stream of water for fifteen minutes. Get medical attention. **IF ON SKIN:** Wash with plenty of soap and water. Get medical attention. **IF INHALED:** Remove victim to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. Get medical attention.

SEE SIDE/BACK PANEL FOR ADDITIONAL PRECAUTIONARY STATEMENTS

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

WARNING: Causes substantial but temporary eye injury. Wear protective eyewear (goggles, face shield or safety glasses). Causes skin irritation. Do not get in eyes, on skin or clothing. Harmful if swallowed, absorbed through the skin, or inhaled. Avoid breathing dust, contact with skin, eyes or clothing. Remove contaminated clothing and wash clothing before reuse. Wash thoroughly with soap and water after handling. Do not allow domestic animals to graze treated areas. Avoid contamination of feed and foodstuffs.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Applicators and other handlers must wear coveralls over short-sleeved shirt and short pants; waterproof gloves; chemical resistant footwear plus socks; protective eyewear, chemical-resistant headgear for overhead exposure; chemical resistant apron when cleaning equipment. Follow manufacturer's instructions for cleaning and maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

User Safety Recommendations

Do not eat, drink, or chew gum while using this product. 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.

ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish. Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not apply when weather conditions favor drift from areas treated. Do not apply where runoff is likely to occur. Do not contaminate water when disposing of equipment washwaters.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. 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. Do not apply this product through any type of irrigation system. Apply only as specified on this label.

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 exceptions pertaining to the statements on this label about personal protective equipment (PPE) notification to workers, and restricted-entry intervals. 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. 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: coveralls; waterproof gloves, chemical resistant footwear plus socks, protective eyewear, and chemical resistant headgear for overhead exposure.

STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage or disposal. **STORAGE:** Store product in its original bag, in a cool, dry, locked place out of reach of children. In case of spill, sweep up, and use according to directions or dispose of as follows. **PESTICIDE DISPOSAL:** Pesticide wastes are toxic. Improper disposal of excess pesticide, 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:** 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.

GUARANTEED FERTILIZER ANALYSIS

Total Nitrogen (N),	variable %	X%
Nitrate Nitrogen		X%
Ammoniacal Nitrogen		X%
Water Soluble Nitrogen and/or Urea Nitrogen		X%
Water Insoluble Nitrogen		X%
Available Phosphoric Acid (P ₂ O ₅),	variable %	X%
Soluble Potash (K ₂ O),	variable %	X%
Derived from Ammonium Sulfate, Ureaform, Murate of Potash, Manganese as Mn X%, Iron as Fe X%, Chlorine <X%		

NON-AGRICULTURAL USES REQUIREMENTS

The requirements of this box apply to uses of this product that are NOT within the scope of the Worker Protection Standard for agricultural pesticides (40 CFR part 170). The WPS applies when this product is used to produce agricultural plants only on farms, forests, nurseries, or greenhouses. Thoroughly wash face and hands with soap and water after exposure and before eating or smoking. Wear protective clothing including long-sleeved shirt and impervious gloves when handling. Launder exposed clothing before reuse.

Pre-emergence Weed Control

Weeds Controlled	lb. a.i. / Acre	lb. of Product per 1,000 sq. ft.	Directions - Refer to Map of U.S.
Crabgrass (<i>Digitaria</i> , spp.)	2 to 4 lb. a.i./A	XXX to XXXX lb.	Apply in late winter or early spring prior to weed seed germination. See map for proper timing. Application made after April or May may not be fully effective.
Goosegrass (<i>Elymus indica</i>)	XXX to XXX lb. product / acre		
Field Sandbur (<i>Cenchrus incertus</i>)	2 to 4 lb. a.i./A	XXX to XXXX lb.	Apply in late summer to early fall prior to weed seed germination.
Annual Sedge (<i>Cyperus compressus</i>)	XXX to XXX lb./A		
Annual Bluegrass (<i>Poa annua</i> spp.) (See Note Below)	4 lb. a.i./A	XXX to XXXX lb.	Apply in early spring prior to weed seed germination.
Virginia Buttonweed (<i>Piccola virginiana</i>)	XXX lb./A		
Pigweed (<i>Amaranthus</i> spp.)			
Florida Pusley (<i>Richardia scabra</i>)			
Oxalis (<i>Oxalis</i> spp.)			
Stinging Nettle (<i>Urtica dioica</i>)			
Carpetgrass (<i>Axonopus officis</i>)			

Fall Application for Spring Weed Control in Cool Season Turf

Weeds Controlled	lb. a.i. / Acre	lb. of Product per 1,000 sq. ft.	Directions
Crabgrass, Goosegrass and other annual weeds as listed.	3 to 4 lb. a.i./A XXX to XXX lb./A	XXX to XXX lb. lb./1,000 sq. ft.	For use in Bluegrass, Bentgrass, perennial Ryegrass and Tall Fescue. Make application in the fall after turf has become dormant. For late fall applications, seeding into treated areas should be delayed until 4 months after greenup.

Annual Bluegrass Control in Bermudagrass Fairways Overseeded with Perennial Ryegrass only.

Weeds Controlled	lb. a.i. / Acre	lb. of Product per 1,000 sq. ft.	Directions
Annual Bluegrass (<i>Poa annua</i> spp.)	2 lb. a.i./A XXX lb./A	XXX lb. / 1,000 sq. ft.	Apply in late summer to early fall prior to <i>Poa annua</i> spp. seed germination. Any <i>Poa annua</i> spp. established when this product is applied will not be controlled. It should not be applied closer than 60 days to overseeding. Do not use where <i>Poa trivialis</i> is present in the overseed mixture. Apply the full 2 lb. rate in one application.

NOTE: In many areas annual bluegrass exists as at least two biotypes or subspecies of *Poa annua*. The true annual biotype, "*Poa annua* spp. annual" which germinates from seed every year is controlled, while the biotype, "*Poa annua* spp. raptans" which behaves like a perennial and survives through the summer, as an established plant, cannot be controlled. Consult the extension service or University weed specialist in your area for more information concerning your locale.

Annual Weed Control during establishment from "Sprigs" of Bermudagrass, Zoysiagrass, and Seashore Paspalum.

Weeds Controlled	lb. a.i. / Acre	lb. of Product per 1,000 sq. ft.	Directions - Refer to Map of U.S.
Crabgrass and Goosegrass, Annual Sedge and other annual weeds.	2 to 3 lb. a.i./A XXX to XXX lb. per acre	XXX to XXX lb. per 1,000 sq. ft.	For Bermudagrass make application immediately prior to or immediately after sprigging. For Seashore Paspalum make application 10 to 14 days after sprigging. Applications made close to the time of sprigging may cause objectionable Seashore Paspalum injury. Disturbance of the soil surface after application may disrupt the herbicide barrier and reduce effectiveness. For best results sprigging irrigate the "sprigged" area with up to 1/4 inch water after application.

PRECAUTIONS IN USING: For St. Augustinegrass and Bentgrass turf, DO NOT exceed the rate of 3 lb. of active ingredient per acre which is equal to XX,XXX lb. of this product per 1,000 sq. ft. DO NOT apply to Bentgrass turf mowed less than 3/8 inch. This product may cause discoloration of Bentgrass, Bermudagrass and St. Augustinegrass but this discoloration is temporary and normally outgrown within 2 to 3 weeks. Avoid contact with flowers and shrubs except as recommended elsewhere for ornamental plants on this label. DO NOT apply to newly seeded areas. Seeding into treated areas should be delayed until 4 months after treatment except as noted above. DO NOT apply to Dichondra or Centipedegrass. DO NOT use on golf course putting greens or tees because of the varying cultural practices used.

FOR SPRING APPLICATION ON GOLF COURSES, SOD FARMS AND OTHER TURF UNDER A MANAGEMENT PROGRAM THE 3 lb. and 4 lb. PER ACRE RATES MAY BE APPLIED AS A "SPLIT" APPLICATION!

Weed control and turf management can be programmed by splitting the per acre rate of active ingredient into "two" separate applications. For example to accomplish this in region #5 (See map of U.S.) apply 1.5 lb. a.i. (for a required 3 lb. a.i./acre rate) or 2 lb. a.i. (for a required 4 lb. a.i./acre rate) as the first application 1 to 2 weeks before estimated weed seed germination or in late December or early January. Follow with the second "1/2 rate" in 60 days or the first of March. The timing for these applications should be programmed for the region (see map of U.S.) and if necessary, adjusted for an "early" or "late" spring. Do not split the 2 lb. rate. The 3 lb. rate should not be split if applied to new turf areas first coming under turf management where weed pressure and weed seed germination is expected to be heavy.

Controls Annual Broadleaf Weeds and Annual Grasses

Annual Bluegrass	*Evening Primrose	**Jungle Ricegrass	Sow thistle
Annual Sedge	Fireweed	Lambquarter	Speedwell
*Barnyardgrass	Field Sandbur	*Liverwort	Spotted Catsear
Rittergrass	Foxtail, Green, Bristly	Oxalis	Spurge, Garden, Petty,
Carpetweed	Fall Panicum	**Panama Paspalum	*Prostrate,
Carpetgrass	Florida Pusley	Pennsylvania Smartweed	Stinging Nettle
Common Groundsel	*Galinsoga	Redroot Pigweed	*Sunscreen
Common Purslane	Golden Ragwort	Sensitive plant	Virginia Buttonweed
Crabgrass	*Goosegrass	Sheepspurge	Yellow Woodsorrel

*For these weeds use 3 to 4 lb. a.i. per acre (equal to xxx to xxx lb. of this product per acre).
**For these difficult-to-control weeds use 4 lb. a.i. per acre (equal to xxx lb. of this product acre).

NOTE: For newly seeded lawns do not apply this product until after the second or third cutting. For best turf management, place new grass seed in the fall of the year. Spring pre-emergence weed control can then be applied.

Spreader Settings

Spreader Settings	for 1.5 lb. a.i./Acre	for 2 lb. a.i./Acre	for 3 lb. a.i./Acre	for 4 lb. a.i./Acre
Cyclone B3-Pro	# 2.0	# 2.75	# 3.25	# 3.9
Ext. Shultz Pro II-8A	# 3	# 4	# 5	# 6

Plan on an approximately 3 mph spreader speed to obtain best coverage. Know the exact square footage before application. Incorrect application will result in poor weed control.

NOTE: Buyer and user assume all risk and liability of use, storage and/or handling of this product not in accordance with the terms of this label. (55rnl-range-a-8507-18-98)

NET WEIGHT 50 POUNDS (20; 25; 40;)
EPA Reg. No. 35512-U_{GI} EPA EST. NO. 35512-FL-1
Howard Fertilizer Co., Inc.
P.O. BOX 593800 - Orlando, FL 32859-3800

Refer to the first portion of this label for the Active Ingredient Statement, First Aid, Precautionary and Storage & Disposal Statements.

EPA Reg. No. 35512- EPA EST. NO. 35512-FL-1

Ronstar® Pre-emergence Weed Control with TURF PRIDE® Fertilizer
For a Wide Variety of Woody Ornamental Shrubs, Vines, Trees, and Ground Covers in Landscape Plantings and for Container and Field Grown Nursery Plants.



TURF PRIDE® FERTILIZER

with RONSTAR® 5-20

0.5%-2.0%
Range Label
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ESTABLISHED ORNAMENTALS/GROUND COVERS
COMMON NAME SCIENTIFIC NAME

- Abutilon *Abutilon pictum*
- Acacia *Acacia* spp.
- Agapanthus *Agapanthus africanus*
- Allamanda, Common *Allamanda cathartica*
- Andromeda *Andromeda*
- Aralia *Aralia*
- Arbutus *Arbutus*
- Ash, Green *Fraxinus pennsylvanica*
- Azalea *Rhododendron*
- Baby's Breath *Gypsophila paniculata*
- Bald Cypress *Taxodium distichum*
- Bamboo, Feathered *Bambusa vulgaris*
- Banyan, Weeping *Ficus benghalensis*
- Berry *Berberis* spp.
- Beefsteak Plant *Acalypha wilkesiana*
- Boerboer *Arctostaphylos uva-ursi*
- Beech, European *Fagus sylvatica*
- Birch, Paper *Betula papyrifera*
- Blanket Flower *Gaillardia aristata*
- Blazing Star *Liatris spicata*
- Boxwood, Japanese *Buxus microphylla*
- Boxwood, Common *Buxus sempervirens*
- Bougainvillea *Bougainvillea spectabilis*
- Brassala, Dwarf *Brassala actinophylla*
- Buddleia *Buddleia davidii*
- Buglesflower *Ajuga reptans*
- Camellia, Common, Jap *Camellia japonica*
- Camellia, Sasanqua *Camellia sasanqua*
- Candytuft *Iberis sempervirens*
- Carissa *Carissa macrocarpa*
- Carnation *Dianthus caryophyllus*
- Ceanothus *Ceanothus americanus*
- Cedar, Red *Juniperus virginiana*
- Cedar, Atlas *Cedrus atlantica*
- Cistus *Cistus purpureus*
- Citrus, Ornamental* *Citrus paradisi*
- Grapefruit *Citrus limon*
- Lemon *Citrus aurantiifolia*
- Lime *Citrus reticulata*
- Mandarin *Citrus X Tangelo*
- Tangelo *Citrus reticulata var. tangerine*
- Tangerine *Citrus X nobilis*
- Temple *Citrus maxima*
- Cuban Shaddock *Citrus sinensis*
- Valencia *Citrus sinensis*
- Washington Navel *Citrus sinensis*
- Cleyera *Cleyera japonica*
- Coreopsis *Coreopsis lanceolata*
- Coronand *Asystasia gangetica*
- Coloneaster *Coloneaster* spp.
- Crabapple *Malus* spp.
- Crapeyrtle *Lagerstroemia indica*
- Chrysanthum *Chrysanthum* spp.
- Cypress *Cupressus* spp.
- Cypress, Leyland *Cupressocyparis leylandii*
- Dahlia *Dahlia* spp.
- Daphne, Fragrant *Daphne odora*
- Deutzia, Slender *Deutzia gracilis*
- Diervillia *Diervillia* spp.
- Cornus Florida *Cornus florida*
- Cornus stolonifera *Cornus stolonifera*
- Cornus kousa *Cornus kousa*
- Pseudotsuga menziesii *Pseudotsuga menziesii*
- Ulmus spp. *Ulmus* spp.
- Ulmus, English *Ulmus* spp.
- Ulmus, Canadian *Ulmus* spp.
- Holly *Ilex* spp.
- Ice Plant *Carpobrotus edule*
- Juniper *Juniperus* spp.
- Leopards-Bane *Doronicum cordatum*
- Metallic plant *Hemigraphis colorata*
- Oak *Quercus* spp.
- Periwinkle, Common *Vinca minor*
- Periwinkle, Large *Vinca major*
- Pine *Pinus* spp.
- Poplar *Populus* spp.
- Privet *Ligustrum* spp.
- Protea Species *Protea* spp.
- Rhododendron *Rhododendron* spp.
- Russian Olive *Elaeagnus angustifolia*
- Spruce *Picea* spp.
- Trailing African Daisy *Osteospermum fruticosum*
- Wedelia *Wedelia trilobata*
- Wisteria, Chinese *Wisteria sinensis*
- Yew *Taxus* spp.
- Yucca *Yucca* spp.
- Yucca, Canadian *Yucca canadensis*
- Hibiscus *Hibiscus* spp.
- Lonicera *Lonicera* spp.
- Ilex *Ilex* spp.
- Carpobrotus edule *Carpobrotus edule*
- Sida fallax *Sida fallax*
- Hedera canariensis *Hedera canariensis*
- Hedera helix *Hedera helix*
- Murraya paniculata *Murraya paniculata*
- Jasminum mesnyi *Jasminum mesnyi*
- Tachycarpus jasminoides *Tachycarpus jasminoides*
- Jasminum floridum *Jasminum floridum*
- Juniper *Juniper* spp.
- Justica brandegeana *Justica brandegeana*
- Prunus serrulata *Prunus serrulata*
- Stachys byzantina *Stachys byzantina*
- Lantana montivdensis *Lantana montivdensis*
- Cheirodendron *Cheirodendron* spp.
- Larix decidua *Larix decidua*
- Prunus laurocerasus *Prunus laurocerasus*
- Doronicum cordatum *Doronicum cordatum*
- Leucothoe axillaris *Leucothoe axillaris*
- Leucothoe fontanesia *Leucothoe fontanesia* (catebaei)
- Agapanthus umbellatus *Agapanthus umbellatus*
- Syringa *Syringa* spp.
- Thuja borealis *Thuja borealis*
- Triobotria japonica *Triobotria japonica*
- Manisuris *Manisuris* spp.
- Manisuris aquilifolium *Manisuris aquilifolium*
- Acer *Acer* spp.
- Hemigraphis colorata *Hemigraphis colorata*
- Chalcidopsis *Chalcidopsis*
- Philadelphus virginialis *Philadelphus virginialis*
- Plecomia *Plecomia*
- Murraya exoniifolia *Murraya exoniifolia*
- Murraya paniculata *Murraya paniculata*
- Myoporum laetum *Myoporum laetum*
- Myrtus communis *Myrtus communis*
- Nandina domestica *Nandina domestica*
- Quercus *Quercus* spp.
- Ochana serrulata *Ochana serrulata*
- Samanea saman *Samanea saman*
- Orum oleander *Orum oleander*
- Orthosiphon stamineus *Orthosiphon stamineus*
- Osmanthus heterophyllus *Osmanthus heterophyllus*
- Pachysandra *Pachysandra*
- Rhap *Rhap*
- Caryota *Caryota*
- Licuala *Licuala*
- Palm, Macarthur *Palm, Macarthur*
- Palm, Mabree *Palm, Mabree*
- Palm, Manila *Palm, Manila*
- Palm, Parlor *Palm, Parlor*
- Palm, Rattan *Palm, Rattan*
- Palm, Scrolling West *Palm, Scrolling West*
- Palm, Sugar *Palm, Sugar*
- Paperbark Tree *Paperbark Tree*

ESTABLISHED ORNAMENTALS/GROUND COVERS
COMMON NAME SCIENTIFIC NAME

- Peony *Paeonia* spp.
- Periwinkle, Common *Vinca minor*
- Periwinkle, Large *Vinca major*
- Photinia, Frasier *Photinia fraseri*
- Polinciana *Dolomix regoa*
- Pinus *Pinus* spp.
- Pittosporum, Japanese *Pittosporum tobira*
- Plum, Natal *Carissa macrocarpa*
- Podocarpus, Yew *Podocarpus macrophyllus*
- Pomegranate *Punica granatum*
- Poplar *Populus* spp.
- Potentilla *Potentilla fruticosa*
- Potentilla *Potentilla fragrans*
- Privet *Ligustrum* spp.
- Protea species *Protea* spp.
- Pyracantha *Pyracantha*
- Raphiolepis *Raphiolepis*
- Redwood, Dawn *Melaleuca glyptostroboides*
- Rhododendron *Rhododendron* spp.
- Rose, spp. *Rosa* spp.
- Russian Olive *Elaeagnus angustifolia*
- Sargent Cherry *Prunus sargentii*
- Scotch Broom *Cytisus scoparius*
- Sedum *Sedum album*
- Serviceberry, Saskatoon* *Amelanchier alnifolia*
- Spruce *Picea* spp.
- St. Johnswort, Golden *Hypericum frondosum*
- St. Johnswort, Goldencup *Hypericum patulum*
- Strawberry Tree *Arbutus unedo*
- Sumac, Slaghorn *Rhus typhina*
- Sweet William *Dianthus barbatus*
- Syzygium *Syzygium paniculatum*
- Trailing African Daisy *Osteospermum fruticosum*
- Viburnum *Viburnum* spp.
- Wedelia *Wedelia trilobata*
- Wisteria, Chinese *Wisteria sinensis*
- Witchhazel, common *Hamamelis virginiana*
- Woodwaxen, common *Genista tinctoria*
- Woolly Thyme *Thymus pseudolanugosus*
- Xylocoma *Xylocoma congesta*
- Yew *Taxus* spp.

* For use only on plants that will not bear edible fruit within one year of application.

NEWLY TRANSPLANTED ORNAMENTALS AND GROUND COVERS

- | COMMON NAME | SCIENTIFIC NAME |
|------------------------|--------------------------------|
| Blanket Flower | <i>Gaillardia aristata</i> |
| Brassala, Dwarf | <i>Brassala actinophylla</i> |
| Camellia | <i>Camellia japonica</i> |
| Carnation | <i>Dianthus caryophyllus</i> |
| Cedar, Red | <i>Juniperus virginiana</i> |
| Coronand | <i>Asystasia gangetica</i> |
| Dogwood, Flowering | <i>Cornus florida</i> |
| Elm | <i>Ulmus</i> spp. |
| Foraythia | <i>Foraythia intermedia</i> |
| Gazania, Trailing | <i>Gazania uniflora</i> |
| Hackberry | <i>Celtis occidentalis</i> |
| Ivy, Algerian | <i>Hedera canariensis</i> |
| Ivy, English | <i>Hedera helix</i> |
| Hemlock, Canada | <i>Tsuga canadensis</i> |
| Holly | <i>Ilex</i> spp. |
| Ice Plant | <i>Carpobrotus edule</i> |
| Juniper | <i>Juniperus</i> spp. |
| Leopards-Bane | <i>Doronicum cordatum</i> |
| Metallic plant | <i>Hemigraphis colorata</i> |
| Oak | <i>Quercus</i> spp. |
| Periwinkle, Common | <i>Vinca minor</i> |
| Periwinkle, Large | <i>Vinca major</i> |
| Pine | <i>Pinus</i> spp. |
| Poplar | <i>Populus</i> spp. |
| Privet | <i>Ligustrum</i> spp. |
| Protea Species | <i>Protea</i> spp. |
| Rhododendron | <i>Rhododendron</i> spp. |
| Russian Olive | <i>Elaeagnus angustifolia</i> |
| Spruce | <i>Picea</i> spp. |
| Trailing African Daisy | <i>Osteospermum fruticosum</i> |
| Wedelia | <i>Wedelia trilobata</i> |
| Wisteria, Chinese | <i>Wisteria sinensis</i> |
| Yew | <i>Taxus</i> spp. |

FOREST NURSERY APPLICATION

- | COMMON NAME | SCIENTIFIC NAME |
|---------------------|-----------------------|
| Pine, Loblolly | <i>Pinus taeda</i> |
| Pine, Eastern White | <i>Pinus strobus</i> |
| Pine, Slash | <i>Pinus caribaea</i> |

SENSITIVE PLANTS
Under certain growing conditions, the plant varieties listed below may be sensitive to this product. Growers should evaluate usage on a small scale prior to large scale applications.

- | PLANT SPECIES | VARIETIES |
|--|--|
| Andromeda (Peris japonica) | <i>Snowdrift</i> , <i>Temple Bell</i> |
| Azalea | <i>Pink Champagne</i> , <i>Hershey</i> , <i>Rhododendron</i> spp., <i>Leichtentuer</i> , <i>Michale</i> , <i>John Heurans</i> , <i>Hino</i> , <i>Crusson</i> , <i>Everest</i> , <i>Girant</i> , <i>Epilola</i> , <i>Himalayan</i> spp., <i>Shanri-la</i> (<i>Andromeda</i> spp.), <i>Polis Rod Imperial</i> , and <i>Mediterranean Pink</i> |
| Coloneaster | <i>Pendula</i> |
| Crapeyrtle (<i>Lagerstroemia indica</i>) | <i>Red Heart</i> |
| Heath, Spring (Erica camed) | <i>Dupletole</i> , <i>Novn Zenobia</i> , (<i>Rhododendron</i> spp.), <i>Catavia Album</i> |
| Hemlock, Canada (Tsuga canadensis) | <i>Punilla</i> |
| Hibiscus (Hibiscus Syriacus) | <i>Densata</i> |
| Hypoxandron | <i>Davidii</i> |
| Spruce, Norway (Picea abies) | |
| Spruce, White (Picea glauca) | |
| Viburnum (Viburnum spp.) | |

NET WEIGHT 20(25)(40)(50) POUNDS
Howard Fertilizer Co. Inc.
P.O. BOX 593800 -
Orlando, FL 32859-3800 U.S.A.

50 lb. Bag Treats up to XX,XXX Sq.Ft.

Follow all Precautionary Statements on this label when using this product on sod farms and nurseries.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. 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. Do not apply this product through any type of irrigation system.

WHERE, HOW MUCH, AND WHEN TO USE ON ORNAMENTALS

Can be applied anytime of the year prior to weed seed germination to both newly transplanted and established actively growing or dormant ornamental plants where both weed control and fertilization is desired. Rainfall or overhead irrigation will improve weed control activity. Do not mix into soil. Disturbing or cultivating the soil after treatment may reduce weed control results. Do not apply granules to wet foliage or under conditions in which granules will collect on leaves, if so, sprinkler-irrigate the plants to move granules off foliage and down to soil level. Do not apply in greenhouses as plant injury may likely result. Use the higher application rates for areas where weed pressure and weed seed germination is expected to be heavy. For best pre-emergence weed control around these ornamental plants first remove any existing weed growth and rake, cultivate and smooth the soil surface by breaking-up clumps. Apply before weed seeds germinate (see map for regions) by broadcasting the granules evenly over the prepared soil at a 2, 3, or 4 lb. active ingredient / acre rate depending on the presence of susceptible or difficult-to-control weed species and expected weed pressure (refer to list of annual weeds).

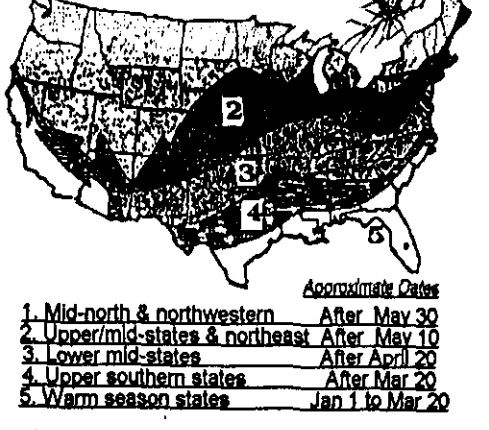
lbs. a.i. per acre	lbs. of this product per acre	lbs. of this product per 1,000 sq.ft.
2 lbs.	xxx lbs.	xx.x lbs.
3 lbs.	xxx lbs.	xx.x lbs.
4 lbs.	xxx lbs.	xx.x lbs.

Controls Annual Broadleaf Weeds and Annual Grasses

- | | | |
|-------------------|------------------------|------------------------|
| Annual Bluegrass | Foxtail; Green, Britty | Smartweed |
| Annual Sedge | Fall Panicum | Redroot Pigweed |
| *Barnyardgrass | Florida Pusley | Sensitive plant |
| Bittercress | *Galinsoga | Showspurs |
| Carpetweed | Golden Ragwort | Sow thistle |
| Carpetgrass | *Goosegrass | Speedwell |
| Common Groundsel | **Jungle Ricegrass | Spotted Catsear |
| Common Purslane | Lambquarter | Spurge; Garden, Petty, |
| Crabgrass | **Liverwort | **Prostrate |
| *Evening Primrose | Oxalis | Stinging Nettle |
| Fireweed | **Panama Paspalum | *Swinecress |
| Field Sandbur | Pennsylvania | Virginia Buttonweed |
| | | Yellow Woodsorrel |

For weeds listed above without an asterisk use the 2 lbs. a.i./acre rate. See chart for lbs. of this product.
*For weeds listed above with 1 asterisk, use 3 to 4 lbs. a.i. / acre. See chart for lbs. of this product.
**For the difficult-to-control weeds with 2 asterisks above, use the 4 lbs. a.i. /acre rate. See chart for lbs. of this product.

Crabgrass Seed Germination Dates



NOTICE: Buyer and user assume all risk and liability of use, storage and/or handling of this product not in accordance with the terms of this label. (35rnrstr-range-b,p85107-15-98)

First Aid, Precautionary and Storage & Disposal Statements.
EPA Reg. No. 35512- EPA EST. NO. 35512-FL-1

Ronstar® Pre-emergence Weed Control with TURF PRIDE® Fertilizer
For a Wide Variety of Woody Ornamental Shrubs, Vines, Trees, and Ground
Covers in Landscape Plantings and for Container
and Field Grown Nursery Plants.



TURF PRIDE® FERTILIZER

with RONSTAR® 5-20

0.5%-2.0%
Range Label
Page 2 of 2

ESTABLISHED ORNAMENTALS/GROUND COVERS

COMMON NAME	SCIENTIFIC NAME
Abutilon	<i>Abutilon pictum</i>
Acacia	<i>Acacia</i> spp.
Agapanthus	<i>Agapanthus africanus</i>
Alamanda, Common	<i>Alamanda cathartica</i>
Andromeda	<i>Pieris</i> spp.
Aralia	<i>Aralia spinosa</i>
Arborvita	<i>Thuja</i> spp.
Ash, Green	<i>Fraxinus pennsylvanica</i>
Azalea	<i>Rhododendron</i>
Baby's Breath	<i>Gypsophila paniculata</i>
Bald Cypress	<i>Taxodium distichum</i>
Bamboo, Feathery	<i>Bambusa vulgaris</i>
Banyan, Weeping	<i>Ficus benghalensis</i>
Barberry	<i>Berberis</i> spp.
Beetleak Plant	<i>Acalypha wilkesiana</i>
Beetleberry	<i>Arctostaphylos uva-ursi</i>
Beech, European	<i>Fagus sylvatica</i>
Birch, Paper	<i>Betula papyrifera</i>
Blanket Flower	<i>Gaillardia aristata</i>
Blazing Star	<i>Liatris spicata</i>
Boxwood, Japanese	<i>Buxus microphylla</i>
Boxwood, Common	<i>Buxus sempervirens</i>
Bougainvillea	<i>Bougainvillea spectabilis</i>
Brassia, Dwarf	<i>Brassia actinophylla</i>
Buddleia	<i>Buddleia davidii</i>
Bugleflower	<i>Ajuga reptans</i>
Camelia, Common, Jap	<i>Camellia japonica</i>
Camellia, Sasanqua	<i>Camellia sasanqua</i>
Candytuft	<i>Iberis sempervirens</i>
Carissa	<i>Carissa macrocarpa</i>
Ceanothus	<i>Dianthus caryophyllus</i>
Cedar, Red	<i>Ceanothus americanus</i>
Cedar, Atlas	<i>Juniperus virginiana</i>
Cistus	<i>Cedrus atlantica</i>
Cistus, Ornamental*	<i>Cistus purpureus</i>
Grapefruit	<i>Citrus paradisi</i>
Lemon	<i>Citrus limon</i>
Lime	<i>Citrus aurantiifolia</i> Bears
Mandarin	<i>Citrus reticulata</i>
Tangelo	<i>Citrus XTangelo</i> <i>Mandarin</i>
Tangerine	<i>Citrus reticulata</i> var. <i>englemanni</i>
Temple	<i>Citrus knoblii</i> Temple
Cuban Shaddock	<i>Citrus maxima</i>
Valencia	<i>Citrus sinensis</i>
Washington Navel	<i>Citrus sinensis</i>
Cleyera	<i>Cleyera japonica</i>
Coreopsis	<i>Coreopsis lanceolata</i>
Coromandel	<i>Asystasia gangetica</i>
Cotoneaster	<i>Cotoneaster</i> spp.
Crabapple	<i>Malus</i> spp.
Crapemyrtle	<i>Lagerstroemia indica</i>
Chrysanthemum	<i>Chrysanthemum</i> spp.
Cypress	<i>Cupressus</i> spp.
Cypress, Leyland	<i>Cupressocyparis leylandii</i>
Dahlia	<i>Dahlia</i> spp.
Daphne, Fragrant	<i>Daphne odora</i>
Deutzia, Slender	<i>Deutzia gracilis</i>
Dieffenbachia	<i>Dieffenbachia</i> spp.
Dogwood, Common	<i>Cornus florida</i>
Dogwood, Kousa	<i>Cornus stolonifera</i>
Douglas fir	<i>Cornus kousa</i>
Elm	<i>Pseudotsuga mucronata</i>
Escallonia	<i>Ulmus</i> spp.
Eucalyptus	<i>Escallonia</i> spp.
Euryops, Gray Leaved	<i>Eucalyptus</i> spp.
Euonymus, Spreading	<i>Euryops pectinatus</i>
Euonymus, Wintercreeper	<i>Euonymus laetevirens</i>
Falsecypress, Hinoki	<i>Euonymus fortunei</i>
Falsecypress, Japanese	<i>Chaemeacyparis obtusa</i>
	<i>Chaemeacyparis pisifera</i>

ESTABLISHED ORNAMENTALS/GROUND COVERS

COMMON NAME	SCIENTIFIC NAME
Peony	<i>Paeonia</i> spp.
Periwinkle, Common	<i>Viola minor</i>
Periwinkle, Large	<i>Viola major</i>
Photinia, Frasers	<i>Photinia fraseri</i>
Poinciana	<i>Dalmanea regia</i>
Pine	<i>Pinus</i> spp.
Pittosporum, Japanese	<i>Pittosporum tobira</i>
Plum, Natal	<i>Carissa macrocarpa</i>
Podocarpus, Yew	<i>Podocarpus macrophyllus</i>
Pomegranate	<i>Punica granatum</i>
Poplar	<i>Populus</i> spp.
Potentilla	<i>Potentilla fruticosa</i>
Potentilla	<i>Potentilla fragiformis</i>
Privet	<i>Ligustrum</i> spp.
Protea species	<i>Banksia menziesii</i>
	<i>Leucodendron discolor</i>
	<i>Leucospermum cordifolium</i>
	<i>Protea coccinea</i>
	<i>Pyraecantha coccinea</i>
	<i>Raphiolepis umbellata</i>
	<i>Messerschmidia myrsinoides</i>
	<i>Rhododendron</i> spp.
	<i>Rose</i> spp.
	<i>Russian Olive</i>
	<i>Sargent Cherry</i>
	<i>Scotch Broom</i>
	<i>Sedum</i>
	<i>Serviceberry, Saskatoon*</i>
	<i>Soruce</i>
	<i>Slatice</i>
	<i>St. Johnswort, Golden</i>
	<i>St. Johnswort, Goldencup</i>
	<i>Strawberry Tree</i>
	<i>Sumac, Staghorn</i>
	<i>Sweet William</i>
	<i>Syringium</i>
	<i>Trailing African Daisy</i>
	<i>Viburnum</i>
	<i>Wedelia</i>
	<i>Wisteria, Chinese</i>
	<i>Witchhazel, common</i>
	<i>Woodwaxen, common</i>
	<i>Woolly Thyme</i>
	<i>Xylocoma</i>
	<i>Yew</i>

* For use only on plants that will not bear edible fruit within one year of application.

NEWLY TRANSPLANTED ORNAMENTALS AND GROUND COVERS

COMMON NAME	SCIENTIFIC NAME
Blanket Flower	<i>Gaillardia aristata</i>
Brassia, Dwarf	<i>Brassia actinophylla</i>
Camellia	<i>Camellia japonica</i>
Carnation	<i>Dianthus caryophyllus</i>
Cedar, Red	<i>Juniperus atlantica</i>
Coromandel	<i>Asystasia gangetica</i>
Dogwood, Flowering	<i>Cornus florida</i>
Elm	<i>Ulmus</i> spp.
Forsythia	<i>Forsythia intermedia</i>
Gazania, Trailing	<i>Gazania uniflora leucocoma</i>
Hackberry	<i>Celtis occidentalis</i>
Ivy, Algerian	<i>Hedera canariensis</i>
Ivy, English	<i>Hedera helix</i>
Hemlock, Canada	<i>Tsuga canadensis</i>
Holly	<i>Ilex</i> spp.
Ice Plant	<i>Carpobrotus edule</i>
Juniper	<i>Juniperus</i> spp.
Leopards -Bane	<i>Doronicum cordatum</i>
Metallic plant	<i>Hemigraphis colorata</i>

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Application Rates for Ornamentals

lbs. a.i. per acre	lbs. of this product per acre	lbs. of this product per 1,000 sq. ft.
2 lbs.	xxx lbs.	xx.x lbs.
3 lbs.	xxx lbs.	xx.x lbs.
4 lbs.	xxx lbs.	xx.x lbs.

Controls Annual Broadleaf Weeds

ACCEPTED with COMMENTS In EPA Letter Dated

NOV 3 1998

Under the Federal Insecticide, Fungicide, and Rodenticide Act as amended, for the pesticide registered under EPA Reg. No.

35512-43