



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

WASHINGTON, D.C. 20460

OFFICE OF PREVENTION, PESTICIDES AND TOXIC SUBSTANCES

MAR 26 1997

Craig Martens
PBI/Gordon Corporation
P.O. Box 014090
1217 West 12th Street
Kansas City, MO 64101

Dear Mr. Martens:

SUBJECT: Gordon's Weeder Granules
EPA Registration No. 2217-480
Your Application Dated September 27, 1996

The Agency has reviewed your submission for a revised basic formulation confidential statement of formula (CSF) dated September 27, 1996. The CSF meets the requirements of 40 CFR 158.155 and is acceptable.

The labeling referred to above, submitted in connection with registration under the federal Insecticide, Fungicide and Rodenticide Act, as amended, is acceptable. A stamped copy is enclosed for your records. Submit one copy of your final printed labeling before you release the product for shipment.

Sincerely yours,

Joanne I. Miller
Product Manager (23)
Fungicide-Herbicide Branch
Registration Division (7505C)

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

CONCURRENCES

Table with 3 rows (SYMBOL, SURNAME, DATE) and 8 columns for concurrence tracking.

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GORDON'S WEEDER GRANULES

ACTIVE INGREDIENT

Trifluralin: a,a,a-trifluoro-2,6-dinitro-N,N-dipropyl-p-toluidine.....	1.47%
INERT INGREDIENTS.....	98.53%
TOTAL	100.00%

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).

Statement of Practical Treatment

- IF IN EYES:** Hold eyelids open and flush with a steady, gentle stream of water.
- IF ON SKIN:** Wash immediately with plenty of soap and water. Get medical attention.
- IF SWALLOWED:** Call a physician or Poison Control Center. Drink 1 or 2 glasses of water. Induce vomiting by touching back of throat with finger. Do not induce vomiting or give anything by mouth to an unconscious person.
- IF INHALED:** Remove victim to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. Get medical attention.

See side panels for additional Precautionary Statements

NET WEIGHT _____ POUNDS

669/ APXXXXXX
 EPA REG. NO. 2217-480
 EPA EST. NO. 2217-KS-X
 Mfd by PBI/GORDON CORPORATION
 KANSAS CITY, MISSOURI 64101

ACCEPTED
 with COMMENTS
 In EPA Letter Dated

MAR 26 1977

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

2217-480

RECD EPA/OPP/DPD1

96 AUG -8 P 4 10



READ THE ENTIRE LABEL FIRST. OBSERVE ALL PRECAUTIONS AND FOLLOW DIRECTIONS CAREFULLY.

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PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals

WARNING: Causes substantial but temporary eye injury. Harmful if swallowed, inhaled or absorbed through the skin. Avoid contact with skin, eyes, or clothing.

Environmental Hazards: This pesticide is toxic to fish. Do not apply directly to water, to areas where surface water is present, or to intertidal areas below the mean high water mark. Drift or runoff from treated areas may be hazardous to aquatic organisms in neighboring aquatic sites. Do not contaminate water by disposing of equipment washwaters.

Personal Protective Equipment (PPE):

Applicators and other handlers must wear:

- Long-sleeved shirt and long pants
- Waterproof gloves
- Shoes plus socks
- Protective eyewear

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.

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.

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 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), 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 (REI) of 12 hours.

Exception: If product is soil-injected or soil-incorporated, the Worker Protection Standard, under certain circumstances, allows workers to enter the treated area if there will be no contact with anything that has been treated.

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 • Shoes plus socks • Protective eyewear

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Do not apply this product through any type of irrigation system.

Gordon's Weeder Granules must be applied prior to the emergence (pre-emergence) of annual broadleaf and grass weeds. To assure prolonged control (seasonal) of weeds shown below, soil incorporation is essential.

NON AGRICULTURAL USE REQUIREMENTS

The requirements in 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 on farms, forest, nurseries or greenhouses. Non-crop weed control is not within the scope of the Worker Protection Standard.

STORAGE AND DISPOSAL

Do not contaminate water, food, feed, other pesticides, fertilizer 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 by shaking and tapping sides and bottom to loosen any clinging particles into application equipment. Then dispose of bags in a sanitary landfill or by incineration, or if allowed by State and local authorities, by burning. If burned, stay out of smoke.

GRASS AND BROADLEAF WEEDS CONTROLLED	
Annual Grasses	Annual Broadleaf Weeds
Annual bluegrass	Carpetweed
Annual ryegrass	Chickweed
Barnyardgrass (Watergrass)	Florida pusley (Florida purslane)
Bromegrass	Henbit
Cheat	Knotweed
Crabgrass	Lambsquarters (Goosefoot)
Foxtails	Pigweed
Johnsongrass (from seed)	Puncturevine
Junglerice	Purslane
Sandbur	Stinging Nettle
Signalgrass	
Sprangletop	
Stinkgrass	
Wildcane (shattercane)	
Wild oat (partial control)	
Woolly cupgrass	

GENERAL DIRECTIONS

- Gordon's Weeder Granules is a preemergence herbicide for control of many annual grasses and broadleaf weeds.
- Gordon's Weeder Granules controls weeds by killing germinating seeds and does not control established weeds.
- Gordon's Weeder Granules provides effective weed control when applied and incorporated into the soil surface.
- Gordon's Weeder Granules is recommended for use on a wide variety of ornamentals (trees, shrubs, and flowers), fruits, nuts, and vegetables. See below for specific uses and instructions.

APPLICATION DIRECTIONS

Apply Gordon's Weeder Granules to a smooth soil surface to assure uniform distribution. Excessive groundcover such as crop residues or existing weeds can interfere with the incorporation of this product into the soil and should be removed prior to application. Apply Gordon's Weeder Granules prior to the germination of weed seeds or to clean-cultivated, weed-free areas.

Apply Gordon's Weeder Granules in a "ready-to-use" shaker container or with hand held or hand propelled rotary or drop-type granular applicator. Prior to use, calibrate the applicator according to the manufacturer's directions and check frequently during application to be sure equipment is working properly and distributing the granules uniformly. For small areas, use a "ready-to-use" container or a shaker-type applicator (such as a coffee can with holes punched in the bottom) and distribute the granules uniformly. Do not apply more than the recommended amount. To obtain optimum weed control Gordon's Weeder Granules needs to be incorporated into the soil by overhead irrigation (i.e. sprinkler or rainfall) or mechanical incorporation (i.e. rake or rototiller) to a depth of 2 to 3 inches within a few hours after surface application. Application rates for various uses and incorporation methods differ. See below for specific use instructions.

Under normal growing conditions and if applied according to directions, Gordon's Weeder Granules will not harm the treated crop. Crop injury or soil residue may result from over-application. Erratic weed control or crop injury may result from uneven application or improper soil incorporation of Gordon's Weeder Granules. Seedling diseases, cold weather, deep planting, excessive moisture, high salt concentration or drought may weaken crop seedlings and increase the possibility of damage from Gordon's Weeder Granules. Under these conditions, delayed crop development or reduced yields may result. Gordon's Weeder Granules is not recommended for use on muck soils.

Seeded crops (vegetables or flowers) other than those listed on this label for preplant soil incorporation of Gordon's Weeder Granules should not be planted within 5 months following the application.

Use Instructions for Ornamental Trees, Groundcovers, Shrubs, and Flowers:

Apply Gordon's Weeder Granules prior to planting new nursery stock liners, ornamental trees, ornamental groundcovers, woody shrubs, and Gladiolus (corms greater than 1 inch diameter). Gordon's Weeder Granules may also be applied to these and other listed ornamentals (see below) after they are established. Apply Gordon's Weeder Granules to a weed free, smooth, soil surface on ornamental beds or around established plants. Do not apply to established plantings when the foliage is wet. The broadcast application rate of Gordon's Weeder Granules for these crops is 1.0 ounce per 100 square feet. Optimum weed control performance will be obtained when followed by overhead irrigation (sprinkler or rainfall) within a few hours after application.

ORNAMENTAL TREES	
Common Name	Scientific Name
Almond	<i>Prunus dulcis</i>
Apple, Crabapple	<i>Malus spp.</i>
Apricot	<i>Prunus armeniaca</i>
Ash, White	<i>Fraxinus americana</i>
Baldcypress	<i>Taxodium distichum</i>
Birch, European White	<i>Betula pendula</i>
Blackgum	<i>Nyssa sylvatica</i>
Cherry	<i>Prunus spp.</i>
Chestnut, Chinese	<i>Castanea mollissima</i>
Cottonwood	<i>Populus deltoides</i>
Dogwood, Flowering	<i>Cornus florida</i>
Dogwood, Kousa	<i>Cornus kousa</i>
Douglas fir	<i>Pseudotsuga menziesii</i>
Fir, Balsam	<i>Abies balsamea</i>
Hemlock, Canada	<i>Tsuga canadensis</i>
Honeylocust	<i>Gleditsia triacanthos</i>
Larch, Japanese	<i>Larix kaempferi</i>
Locust, Black	<i>Robinia pseudacacia</i>
Maple, Norway	<i>Acer platanoides</i>
Maple, Red	<i>Acer rubrum</i>
Maple, Silver	<i>Acer saccharinum</i>
Maple, Sugar	<i>Acer saccharum</i>
Oak, Pin	<i>Quercus palustris</i>
Oak, Red	<i>Quercus rubra</i>
Oak, Scarlet	<i>Quercus coccinea</i>
Peach	<i>Prunus persica</i>
Pine, Austrian	<i>Pinus nigra</i>
Pine, Eastern White	<i>Pinus strobus</i>
Pine, Japanese Black	<i>Pinus thunbergiana</i>
Pine, Loblolly	<i>Pinus taeda</i>
Pine, Red	<i>Pinus resinosa</i>
Pine, Scotch	<i>Pinus sylvestris</i>
Planetree, London	<i>Platanus acerifolia</i>
Plum	<i>Prunus spp.</i>
Redbud, Eastern	<i>Cercis canadensis</i>
Spruce, Colorado	<i>Picea pungens</i>
Spruce, Norway	<i>Picea abies</i>
Spruce, White	<i>Picea glauca</i>
Sweetgum	<i>Liquidambar styraciflua</i>
Sycamore	<i>Platanus occidentalis</i>
Tuliptree	<i>Liriodendron tulipifera</i>
Walnut, Black	<i>Juglans nigra</i>

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ORNAMENTAL GROUNDCOVER PLANTING	
Common Name	Scientific Name
Aaronsbeard	<i>Hypericum calycinum</i>
Bellflower, Adriatic	<i>Campanula elatines</i>
Bellflower, Poscharsky	<i>Campanula poscharskyana</i>
Ceanothus	<i>Ceanothus spp.</i>
Coreopsis	<i>Coreopsis spp.</i>
Cotoneaster	<i>Cotoneaster spp.</i>
Coyote Brush	<i>Baccharis pilularis</i>
Crown Vetch	<i>Coronilla varia</i>
Daisy, Trailing African	<i>Osteospermum fruticosum</i>
Fern, Asparagus	<i>Asparagus densiflorus</i>
Gazania	<i>Gazania spp.</i>
Germander	<i>Teucrium chamaedrys</i>
Ice Plant, Largeleaf	<i>Carpobrotus edulis</i>
Ivy, Algerian	<i>Hedera canariensis</i>
Ivy, English	<i>Hedera helix</i>
Lily-of-the-Nile	<i>Agapanthus spp.</i>
Lilyturf, Bigblue	<i>Liriope muscari</i>
Marigold	<i>Tagetes spp.</i>
Myoporum	<i>Myoporum laetum</i>
Plumbago, Dwarf	<i>Ceratostigma plumbaginoides</i>
Rosemary	<i>Rosmarinus officinalis</i>
Rupturewort	<i>Hemiaria glabra</i>
Snow-in-Summer	<i>Cerastium tomentosum</i>
Speedwell	<i>Veronica spp.</i>
St. Johnswort	<i>Hypericum coris</i>
Stonecrop (Sedum)	<i>Sedum spp.</i>
Strawberry, Beach	<i>Fragaria chiloensis</i>
Thrift	<i>America maritima</i>
Verbena	<i>Verbena spp.</i>
Wirevine, Creeping	<i>Muehlenbeckia axillaris</i>
Yarrow, Woolly	<i>Achillea tomentosa</i>
Zoysiagrass	<i>Zoysia tenuifolia</i>

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ORNAMENTAL WOODY SHRUBS	
Common Name	Scientific Name
Andromeda, Japanese	<i>Pieris japonica</i>
Arborvitae, American	<i>Thuja occidentalis</i>
Azalea	<i>Rhododendron spp.</i>
Barberry, Japanese	<i>Berberis thunbergii</i>
Barberry, Mento	<i>Berberis mentorensis</i>
Boxwood, Common	<i>Buxus sempervirens</i>
Boxwood, Harlands	<i>Buxus harlandi</i>
Boxwood, Littleleaf	<i>Buxus microphylla</i>
Camellia, Japanese	<i>Camellia japonica</i>
Camellia, Sasanqua	<i>Camellia sasanqua</i>
Cherrylaurel, American	<i>Prunus caroliniana</i>
Cinquefoil	<i>Potentilla spp.</i>
Cleyera, Japanese	<i>Cleyera japonica</i>
Cotoneaster, Cranberry	<i>Cotoneaster apiculata</i>
Cotoneaster, Zabel	<i>Cotoneaster zabelii</i>
Deutzia	<i>Deutzia spp.</i>
Elaeagnus, Silverberry	<i>Elaeagnus pungens</i>
Euonymus, Spreading	<i>Euonymus kiautschovica</i>
Euonymus, Winged	<i>Euonymus alatus</i>
Euonymus, Wintercreeper	<i>Euonymus fortunei</i>
Firethorn	<i>Pyracantha spp.</i>
Forsythia	<i>Forsythia spp.</i>
Guava, Pineapple	<i>Feijoa sellowiana</i>
Holly	<i>Ilex spp.</i>
Honeysuckle	<i>Lonicera spp.</i>
Indian hawthorn	<i>Raphiolepis indica</i>
Juniper	<i>Juniperus spp.</i>
Laurel, Mountain	<i>Kamia latifolia</i>
Lilac, Common	<i>Syringa vulgaris</i>
Mockorange	<i>Philadelphus spp.</i>
Pittosporum, Japanese	<i>Pittosporum tobira</i>
Privet	<i>Ligustrum spp.</i>
Redcedar, Eastern	<i>Juniperus virginiana</i>
Rhododendron	<i>Rhododendron spp.</i>
Spiraea, Vanhoutte	<i>Spiraea vanhouttei</i>
Viburnum	<i>Viburnum spp.</i>
Weigela	<i>Weigela spp.</i>
Willow	<i>Salix spp.</i>
Yew, Anglojap	<i>Taxus media</i>
Yew, Japanese	<i>Taxus cuspidata</i>
Yew, Southern	<i>Podocarpus macrophyllus</i>

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ROSES AND OTHER ESTABLISHED FLOWERS		
African Daisy	Four O'Clock	Poppy, California
Aster (perennial)	Gaillardia	Portulaca
Balsam	Gladiolus	Rose
Blackeyed Susan	Golden Glow	Salvia
Calendula	Impatiens	Shasta Daisy
Carnation	Ixora	Snapdragon
Centaurea, Velvet	Lobelia	Snow on the Mountain
Chrysanthemum	Lupine	Stock
Coreopsis	Marigold	Sunflower
Cornflower	Marigold, Cape	Sweet Alyssum
Cosmos	Morningglory	Sweet Pea
Dahlia	Nasturtium	Sweet Sulfan
Dianthus	Nicotiana	Sweet William
Dusty Miller	Petunia	Vinca
Floss Flower	Phlox	Yarrow
Forget-Me-Not	Pincushion Flower	Zinnia

Instructions for Fruit, Vegetable, Nut, and Vineyard Crops:

For control of weeds in the listed crops in this section use the following application rate table.

Application Rates	
Soil Texture	Broadcast Application Rates, (ozs./1000 sq.ft.)
Sand, loamy sand, sandy loam	12.5 ozs. (1 lb./1,280 sq.ft.)
Loam, silt, silt loam	16.66 oz. (1 lb./960 sq.ft.)
Clay, clay loam, sandy clay	25 oz. (1 lb./640 sq.ft.)

Apply and incorporate the indicated amount of Gordon's Weeder Granules to a smooth, weed free, soil surface. Optimum weed control performance will be obtained if Gordon's Weeder Granules is mechanically incorporated, such as with a rake or rototiller, 2 to 3 inches deep within a few hours after application. Gordon's Weeder Granules is recommended for application to the following crops at the indicated stage of growth.

A. BEFORE PLANTING
Beans (Castor, Dry, Guar, Lima, Mungbean and Snap)
Carrots
Celery, direct seeded or transplant
Chicory/Endive
Cole Crops (Broccoli, Brussels Sprouts, Cabbage and Cauliflower), transplant
Fruit and Nut Crops (Almond, Citrus, Grape, Nectarine, Peach, Pecan, Plum, Prune, Walnut)
Greens (Collard, Kale and Mustard)
Okra
Peas (Dry and English)
Peppers, transplant
Radishes
Sunflower
Tomato, transplant
B. AT PLANTING
Celery, direct seeded or transplant
C. AFTER PLANTING
Asparagus, established Apply and incorporate prior to spear emergence in the spring.
Celery, direct seeded & transplant
Cucurbit (Cantaloupe, Cucumber & Watermelon) Apply and incorporate between the rows and beneath plants in the 3 to 4 true leaf stage.
Fruit and Nut Crops (Almond, Citrus, Grape, Nectarine, Peach, Pecan, Plum, Prune, Walnut), established Apply 25 to 50 ounces per 1,000 square feet on all soil types. Do not apply to grapes within 60 days of harvest.
Onion (Grown for dry bulb only) Avoid covering exposed bulbs with treated soil or injury may occur.
Potato Apply after planting, prior to crop emergence, or after plants have emerged. Do not cover foliage with treated soil if applied after emergence.
Tomato, direct seeded Apply at thinning after plants are 2 to 3 inches tall to soil between rows and beneath plants and incorporate.

LIMITED WARRANTY AND DISCLAIMER.

The manufacturer warrants only that the chemical composition of this product conforms to the ingredient statement given on the label, and that the product is reasonably suited for the labeled use when applied according to the Directions for Use.

THE MANUFACTURER NEITHER MAKES NOR INTENDS ANY OTHER EXPRESS OR IMPLIED WARRANTIES, INCLUDING ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, WHICH ARE EXPRESSLY DISCLAIMED. This limited warranty does not extend to the use of the product inconsistent with label instructions, warnings or cautions, or to use of the product under abnormal conditions such as drought, excessive rainfall, tornadoes, hurricanes, etc. These factors are beyond the control of the manufacturer or the seller. Any damages arising from a breach of the manufacturer's warranty shall be limited to direct damages, and shall not include indirect or consequential damages such as loss of profits or values, except as otherwise provided by law.

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