



United States Environmental Protection Agency
Office of Pesticide Programs (H7505C)
Washington, DC 20460

Application for Pesticide:

<input type="checkbox"/>	Registration
<input checked="" type="checkbox"/>	Amendment
<input type="checkbox"/>	Other

OPP Identifier Number

196863

Section I

1. Company/Product Number 16-42	2. EPA Product Manager Miller	3. Proposed Classification <input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) DRAGON Miracle Weed Preventer	PMS 23	
5. Name and Address of Applicant (Include ZIP Code) Dragon Corporation P. O. Box 7311 Roanoke, VA 24019 <input type="checkbox"/> Check if this is a new address	6. Expedited Review. In accordance with FIFRA Section 3(c)(3)(b)(i), my product is similar or identical in composition and labeling to: EPA Reg. No. _____ Product Name _____	

Section II

<input type="checkbox"/> Amendment - Explain below	<input type="checkbox"/> Final printed labels in response to Agency letter dated _____
<input type="checkbox"/> Resubmission in response to Agency letter dated _____	<input type="checkbox"/> "Me Too" Application
<input checked="" type="checkbox"/> Notification - Explain below.	<input type="checkbox"/> Other - explain below

Explanation: Use additional page(s) if necessary (For section I and Section II)

Compliance with PR Notice 93-3 -- Statement Prohibiting Application to Water

NOTIFICATION LABEL NOT REVIEWED PER PR NOTICE 93-3
DATE 7/12/93

Section III

1. Material This Product Will Be Packaged In:			
Child Resistant Packaging <input type="checkbox"/> Yes* <input checked="" type="checkbox"/> No	Unit Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Water Soluble Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	2. Type of Container <input type="checkbox"/> Metal <input type="checkbox"/> Plastic <input type="checkbox"/> Glass <input checked="" type="checkbox"/> Paper <input type="checkbox"/> Other (Specify) _____
* Certification must be submitted.		If "Yes," Unit Package wgt	No per container
3. Location of Net Contents Information <input checked="" type="checkbox"/> Label <input type="checkbox"/> Container		4. Size(s) of Retail Container 3LB	5. Location of Label Directions <input checked="" type="checkbox"/> On Label <input type="checkbox"/> On Labeling accompanying product
6. Manner in Which Label is Affixed To Product <input type="checkbox"/> Lithograph <input checked="" type="checkbox"/> Paper glued <input type="checkbox"/> Stenciled			<input type="checkbox"/> Other (_____)

Section IV

1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application)		
Name Rebecca M. Horton	Title Executive Assistant	Telephone No. (Include Area Code) (703) 362-3657
2. Signature <i>Rebecca M. Horton</i>		3. Title Executive Assistant
4. Typed Name Rebecca M. Horton		5. Date 6/22/93
I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.		6. Date Application Received (Stamped)

**DRAGON®
MIRACLE WEED PREVENTER**

Prevents weeds in flower and vegetable gardens, and around trees and shrubs.

**READY TO USE DACTHAL GRANULES
THIS BOX TREATS 600 SQUARE FEET**

[Note to EPA: Front panel of label may include graphics representing product use, e.g., vegetable or flower garden.]

ACTIVE INGREDIENT:	BY WT.
DCPA (dimethyl tetrachloroterephthalate)	5%
INERT INGREDIENTS:	<u>95%</u>
TOTAL	100%

**Keep Out of Reach of Children
CAUTION
See side/back/other panel(s) for additional cautions.**

NET WT. 3 LB

**NOTIFICATION
LABEL NOT REVIEWED
PER PR NOTICE 88-8
DATE 7/12/93**

**PRECAUTIONARY STATEMENTS
Hazards to Humans and Domestic Animals**

Causes moderate eye irritation. Avoid contact with eyes or clothing. Wash thoroughly with soap and water after handling.

ENVIRONMENTAL HAZARDS: Collect and incorporate granules spilled on soil surface. For terrestrial uses, 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 contaminate water by cleaning of equipment or disposal of wastes.

Groundwater Advisory: Tetrachloroterephthalic acid, a breakdown product of Dacthal, is known to leach through soil as a result of agricultural and turf uses and has been found in groundwater which may be used for drinking water. Users are advised not to apply Dacthal to sand and loamy sand soils where the water table (groundwater) is close to the surface and where these soils are very permeable, i.e., well drained. Your local agricultural agencies can provide further information on the type of soil in your area and the location of groundwater used for drinking water.

MIRACLE WEED PREVENTER is approved for use on the following:

Abelia	Barberry	Chrysanthemum	Crabapple	Evening primrose
Ageratum	Bellflower	Cinquefoil	Cuphea	Feverfew
Alyssum	Birch	Coleus	Cypress	Fir
Andromeda, Japanese	Bleedingheart	Columbine	Dahlia	Forget-me-not
Arborvitae	Bloodleaf	Coneflower, Purple	Delphinium	Forsythia
Ash	Boxwood	Coreopsis	Deutzia	Four-O'clock
Aster	Bugloss	Coral bells	Dogwood	Goxlove
Azalea	Camellia	Cosmos	Elaeagnus	Gaillardia
Fahysbreath	Candytufts	Cotoneaster	Elm	Geranium
	Chestnut		Euonymus	Gladiolus

Golddust	Larkspur, candle	Mother-of-Thyme	Poker plant	Sundrops
Goldentuft	Lavendercotton	Mountain laurel	Poplar	Sunflower
Gum	Lilac	Mourning bride	Privet	Sweetpea
Hawthorn	Lily	Nasturtium	Redbud	Sycamore
Heath, pink	Locust	Oak	Rhododendron	Tree peony
Holly	Lupine	Orpine	Russian olive	Tulip tree
Honeysuckle	Magnolia	Pachistima	Sage, scarlet	Viburnum
Iris	Maple	Pachysandra	Snapdragon	Violet
Ivy, Baltic	Marguerite, golden	Peony	Spiderwort, Virginia	Walnut
Ivy, English	Marigold	Petunia	Spirea	Weigela
Ivy, Wilson	Mockorange	Pine	Spruce	Wormwood
Juniper	Morningglory	Pittosporum	Stonecrop	Yarrow, fernleaf
Lantana	Moss rose	Podocarpus	Strawflower	Yew

Weeds Controlled by Miracle Weed Preventer

Carpetweed	Lovegrass	Purslane	Johnsongrass
Yellow Foxtail	Fall Panicum	Witch grass	Smooth crabgrass
Green Foxtail	Nodding Spurge	Florida Pussley	Common chickweed
Texas Millet	Lambsquarter	Hairy Crabgrass	

READ ENTIRE LABEL. USE STRICTLY IN ACCORDANCE WITH LABEL PRECAUTIONARY STATEMENTS AND DIRECTIONS.

DIRECTIONS FOR USE

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

Use only when wearing the following protective clothing: Wear long-sleeved shirt and long-legged pants and chemical resistant gloves.

IMPORTANT! If pesticide comes in contact with skin, wash off with soap and water. Always wash hands, face and arms with soap and water before smoking, eating, drinking or toileting.

AFTER USE: Before removing gloves, wash them with soap and water. Take off all work clothes and shoes. Shower using soap and water. Do not reuse contaminated clothing. Clothing worn during use must be laundered separately from household articles.

IF IN EYES: Flush with plenty of water. Call a physician if irritation persists.

APPLICATION RATE: 2½ cups (1 lb.) spread evenly over 200 square feet of weed-free soil. Water in thoroughly.

DRAGON® MIRACLE WEED PREVENTER is a 5% granular DACTHAL formulation for use in pre-emergency (before weeds appear) weed control of crabgrass and other annual grasses and broadleaf weeds. (See side panel for list of weeds and grasses controlled.) It is recommended for use in home vegetable and flower gardens, and around trees and shrubs as listed on this label.

DIRECTIONS: For best results, MIRACLE WEED PREVENTER should be applied to a well-prepared soil which is free of weeds and PRIOR to weed seed germination. For garden soils, apply to a uniform weed-free soil within 2 to 3 days following cultivation to prevent new weed seed from germinating. **Disturbing the soil surface after application will reduce effectiveness.** Measure the area to be treated and divide into small plots

4/15/81

Sprinkle the granules evenly over the soil and water in thoroughly. FOUR MONTH control can be expected when applied properly.

FLOWERING GARDENS: Apply to the weed-free soil around the listed plants after they are established or after transplanting. Apply MIRACLE WEED PREVENTER at the rate of 2½ cups (1 lb.) per 200 sq. ft. Water in thoroughly, rinsing all granules off plant foliage. Additional applications, when needed, can be made at any time provided beds have been cultivated and are weed free. Do not use on Philox, Bugle weed, Button pink, Carnation, Geum, Germander, Pansy, Sweet William, Telanthera, Mesembryanthemum.

ORNAMENTALS, SHRUBS and TREES (as listed on side panel): Apply 2½ cups (1 lb.) MIRACLE WEED PREVENTER per 200 sq. ft. uniformly to soil around the base of plants in late fall or early spring. May be applied following transplanting into well prepared soil. For established plantings, apply proper cultivation to remove existing weeds. SEE SIDE PANEL FOR LIST OF TREES AND SHRUBS THIS PRODUCT MAY BE APPLIED AROUND.

VEGETABLE CROPS: Any application of MIRACLE WEED PREVENTER should be made prior to weed seed germination. Apply at seeding to *snap beans, broccoli, Brussels sprouts, cabbage, cauliflower, collards, garlic, kale, mustard greens, onions, potatoes, southern peas, turnip greens, turnips.*

Apply to seeded *cucumbers, melons (cantaloupe, watermelons and honeydew), squash and head lettuce* about 4 weeks after seeding, but no later than 5 weeks. For *leaf lettuce*, make a single application 1-3 weeks after emergence. When transplanting *broccoli, Brussels sprouts, cabbage, cauliflower, eggplant, peppers, onions and sweet potatoes*, apply immediately after transplanting.

Tomatoes: Apply only to well-established plants, 4 to 6 weeks after transplanting, when conditions are favorable.

STRAWBERRIES: Apply to strawberries following transplanting or on established strawberry plants prior to weed seed germination or after clean cultivation. On established plants, do not apply after first bloom.

REPLANTING: Replanting crops other than those included on the label in DACTHAL treated soil within 8 months of application may result in crop injury. If replanting is required because of early crop failure, the planting of onions, seeded melons, potatoes, tomatoes, eggplants or peppers at this time may result in crop injury. However, all crops listed on this label may be planted following harvest of a crop treated with this product.

STORAGE: Do not store near food or feedstuffs. Store in the tightly closed original container in a cool, dry preferably locked storage area, out of reach of children.

PESTICIDE DISPOSAL: Securely wrap original container in several layers of newspaper and discard in trash.

CONTAINER DISPOSAL: Do not reuse empty bag. Discard bag in trash.

NOTICE: Buyer assumes all risks of use, storage or handling of this material not in strict accordance with DIRECTIONS and CAUTIONS stated on this label.

Distributed by
DRAGON CORPORATION
Roanoke, VA 24019

DRAGON® MIRACLE WEED PREVENTER

Prevents weeds in flower and vegetable gardens and around trees and shrubs.

READY TO USE DACTHAL GRANULES
THIS BOX TREATS 600 SQUARE FEET

Keep Out of Reach of Children
CAUTION
 SEE BACK AND SIDE PANELS
 FOR ADDITIONAL CAUTIONS.
NET WEIGHT 3 LB.

ACTIVE INGREDIENT:

DCPA (dimethyl tetrachloroterephthalate) 5% ✓

INERT INGREDIENTS: 95% ✓

TOTAL 100%

PRECAUTIONARY STATEMENTS Hazards to Humans & Domestic Animals

Causes moderate eye irritation. Avoid contact with eyes or clothing. Wash thoroughly with soap and water after handling. ✓

Environmental Hazards: Collect and incorporate granules spilled on soil surface. Do not apply directly to water or wetlands (swamps, bogs, marshes, and potholes). Do not contaminate water by cleaning of equipment or disposal of wastes. ✓

Groundwater Advisory: Tetrachloroterephthalic acid, a breakdown product of Dacthal, is known to leach through soil as a result of agricultural and turf uses and has been found in groundwater which may be used for drinking water. Users are advised not to apply Dacthal to sand and loamy sand soils where the water table (groundwater) is close to the surface and where these soils are very permeable, i.e. well drained. Your local agricultural agencies can provide further information on the type of soil in your area and the location of groundwater used for drinking water. ✓

MIRACLE WEED PREVENTER is approved for use on the following:

- | | | | | |
|----------------|--------------------|------------------|--------------------|----------------|
| Abelia | Coneflower, purple | Gaillardia | Magnolia | Privet |
| Ageratum | Coreopsis | Geranium | Maple | Redbud |
| Alyssum | Coralbells | Gladiolus | Marguerite, golden | Rhododendron |
| Andromeda, Jap | Cosmos | Golddust | Marigold | Russian Olive |
| Araboviteae | Contonester | Goldentuft | Mockorange | Sage, scarlet |
| Ash | Crabapple | Gum | Morningglory | Snapdragon |
| Aster | Cuphea | Hawthorn | Moss rose | Spiderwort, Va |
| Azalea | Cypress | Heath, pink | Mother-of-Thyme | Spirea |
| Babysbreath | Dahlia | Holly | Mountain Laurel | Spruce |
| Barberry | Delphinium | Honeysuckle | Mourning Bride | Stonecrop |
| Bellflower | Deutzia | Iris | Nasturtium | Strawflower |
| Birch | Dogwood | Ivy, Baltic | Oak | Sundrops |
| Bleedingheart | Elaeagnus | Ivy, English | Orpine | Sunflower |
| Bloodleaf | Elm | Ivy, Wilson | Pachistima | Sweet Pea |
| Boxwood | Euonymus | Juniper | Pachysandra | Sycamore |
| Bugloss | Evening primrose | Lantana | Peony | Tree Toad |
| Camellia | Feverfew | Larkspur, candle | Petunia | Tulip tree |
| Candytufts | Fir | Lavendercotton | Pine | Viburnum |
| Chestnut | Forget-me-not | Lilac | Pittosporum | Violet |
| Chysanthemum | Forsythia | Lily | Podocarpus | Walnut |
| Cinderglow | Four O'Clock | Locust | Poker Plant | Wigela |
| Coleus | Four O'Clock | Lupine | Poplar | Wormwood |
| Columbine | Four O'Clock | | | Yarrow, leaf |

ACCEPTED
 30 JUN 1982
 Under the Federal Insecticide, Fungicide, and Rodenticide Act
 EPA Reg. No. 16-42

Weeds Controlled by Miracle Weed Preventer

Carpetweed
Yellow Foxtail
Green Foxtail
Texas Millet

Lovegrass
Fall Panicum
Nodding Spurge
Lambsquarter

Purslane
Witch grass
Florida Pussley
Hairy Crabgrass

Johnsongrass
Smooth Crabgrass
Common Chickweed

READ ENTIRE LABEL. USE STRICTLY IN ACCORDANCE WITH LABEL PRECAUTIONARY STATEMENTS AND DIRECTIONS.

DIRECTIONS FOR USE:

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

Use only when wearing the following protective clothing:

Wear long-sleeved shirt and long legged pants and chemical resistant gloves. ✓

IMPORTANT! If the pesticide comes in contact with skin wash off with soap and water. Always wash hands, face, and arms with soap and water before smoking, eating, drinking, or toileting.

AFTER USE: Before removing gloves, wash them with soap and water. Take off all work clothes and shoes. Shower using soap and water. Do not reuse contaminated clothing. Clothing worn during use must be laundered separately from household articles.

IF IN EYES: Flush with plenty of water. Call a physician if irritation persists. ✓

APPLICATION RATE: 2 1/2 Cups (1 lb) spread evenly over 200 square feet of weed free soil. Water in thoroughly.

DRAGON MIRACLE WEED PREVENTER is a 5% granular DACTHAL formulation for use in pre-emergence (before weeds appear) weed control of crabgrass and other annual grasses and broad-leaf weeds. (See side panel for list of weeds and grasses controlled.) It is recommended for use in home vegetable and flower gardens, and around trees and shrubs as listed on this label.

DIRECTIONS: For best results, **MIRACLE WEED PREVENTER** should be applied to a well-prepared soil which is free of weeds and **PRIOR** to weed seed germination. For garden soils, apply to a uniform weed-free soil within 2 to 3 days following cultivation to prevent new weed seed from germinating. **Disturbing the soil surface after application will reduce effectiveness.** Measure the area to be treated and divide into small plots. Sprinkle the granules evenly over the soil and **water in thoroughly.** **FOUR MONTH** control can be expected when applied properly.

FLOWER GARDENS: Apply to the weed-free soil around the listed plants after they are established or after transplanting. Apply **MIRACLE WEED PREVENTER** at the rate of 2 1/2 cups (1 lb.) per 200 sq. ft. Water in thoroughly, rinsing all granules off plant foliage. Additional applications, when needed, can be made at any time provided beds have been cultivated and are weed free. Do not use on Phlox, Bugle Weed, Button Pink, Carnation, Geum, Germander, Pansy, Sweet William, Telanth-
era, Masamblyantherm.

ORNAMENTALS, SHRUBS AND TREES (As listed on side panel): Apply 2 1/2 cups (1 lb.) **MIRACLE WEED PREVENTER** per 200 sq. ft. uniformly to soil around the base of plants in late fall or early spring. May be applied following transplanting into well prepared soil. For established plantings: apply proper cultivation to remove existing weeds. **SEE SIDE PANEL FOR LIST OF TREES AND SHRUBS THIS PRODUCT MAY BE APPLIED AROUND**

VEGETABLE CROPS: Any application of **MIRACLE WEED PREVENTER** should be made prior to weed seed germination. Apply at seeding to snap beans, broccoli, brussels sprouts, cabbage, cauliflower, collards, garlic, kale, mustard greens, onions, potatoes, (Southern peas) turnip greens, turnips.

Apply to seeded cucumbers, melons (cantaloupe, watermelons, and honeydew), squash and head lettuce about 4 weeks after seeding, but no later than 6 weeks. For leaf lettuce, make a single application 1-3 weeks after emergence. When transplanting broccoli, brussels sprouts, cabbage, cauliflower, eggplant, peppers, onions, and sweet potatoes, apply immediately after transplanting.

TOMATOES: Apply only to well established plants, 4 to 6 weeks after transplanting, when conditions are favorable.

STRAWBERRIES: Apply to strawberries following transplanting or on established strawberry plants prior to weed seed germination or after clean cultivation. On established plants, do not apply after first bloom.

REPLANTING: Replanting crops other than those included on the label in **DACTHAL** treated soil within 8 months of application may result in crop injury. If replanting is required because of early crop failure, the planting of onions, seeded melons, potatoes, tomatoes, eggplants, or peppers at this time may result in crop injury. However, all crops listed on this label may be planted following harvest of a crop treated with this product.

STORAGE: Do not store near food or foodstuffs. Store in the tightly closed original container in a cool, dry preferably locked storage area, out of reach of children.

PESTICIDE DISPOSAL: Securely wrap original container in several layers of newspaper and discard in trash.

CONTAINER DISPOSAL: Do not reuse empty bag. Discard bag in trash.

NOTICE

Buyer assumes all risks of use, storage or handling of this material not in strict accordance with **DIRECTIONS** and **CAUTIONS** stated on this label.

Distributed By
DRAGON CORPORATION
Roanoke, Va 24019-0311

EPA Reg. No. 16-42

EPA Est. 16-VA-1

Form #L-42

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