

9688-143

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

WASHINGTON, D.C. 20460

OFFICE OF
PREVENTION, PESTICIDES
AND TOXIC SUBSTANCES

MAR 22 2002

Ms. Glenda L. Mah
Regulatory Affairs Specialist
Chemisico
United Industries Corporation
P.O. Box 142642
St. Louis, Missouri 63114-0642

Dear Ms. Mah:

Subject: Chemsico Herbicide Formula D
EPA Registration No.9688-143
Application and Your Letter Dated February 15, 2002,
Request to Amend Labeling To Comply with PR Notices
2001-1 and 2001-6, First Aid and Disposal Statements

The subject application to revise the labeling of "Chemsico Herabicide Formula D" has been reviewed and found to be acceptable under the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA), as amended, provided that you:

- o Submit one (1) copy of the final printed label prior to your shipment of 2,4-D BEE-4 under the enclosed revised stamped label.

If this condition is not complied with, the registration will be subject to cancellation in accordance with FIFRA, section 69e). Your release for shipment under this labeling constitutes acceptance of this condition. A stamped copy of the label is enclosed for your records.

Sincerely yours,

Eugene M. Wilson
for Joanne I. Miller
Product Manager (23)
Herbicide Branch
Registration Division (7505C)

Enclosure

Herbicide Formula D

[Season long weed control · Season long crabgrass preventer · One application lasts all season! · Stops weeds before they start · Prevents weeds all season · Prevents weeds in lawns · Won't harm flowers, shrubs, trees or lawn grasses listed · For use around roses and ornamental shrubs and trees listed · Safe around flowers and ornamentals listed · For use around landscaping · Contains an active ingredient used by professional landscapers · Prevents crabgrass · Prevents 38+ grasses and broadleaf weeds, including crabgrass · Provides pre-emergence and early post-emergence control of crabgrass · Prevents crabgrass all season · Prevents crabgrass up to 5 months · Formulated for superior coverage · Works up to 5 months · One application lasts up to 5 months · Up to 5 month control · Fast and easy to use · (For ready-spray nozzle: Just attach [connect] to your hose and spray - No mixing in soil required) · Water-based · Non-staining · Low odor [formula] · Treats up to 6,000 sq. ft.]

**ACCEPTED
with COMMENTS
In EPA Letter Dated**

MAR 22 2002

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

9688-143

Active Ingredient

Dithiopyr* 1.90%
Other Ingredients 98.10%

*CAS No. 97886-45-8

[Product protected by U. S. Patent No. 4,692,184. Other patents pending.]

KEEP OUT OF REACH OF CHILDREN

CAUTION See back for additional precautions.

NET CONTENTS 1 QT. (946 mL)

OPTIONAL MARKETING LANGUAGE

[Long lasting weed preventer • Stops weeds before they [can start to] grow • Stops weeds from growing and taking valuable nutrients and water from your ornamental plants and [or] lawn.]

This product provides pre-emergence control of listed annual grasses and broadleaf weeds in home lawns. It will not harm established ornamental plants as listed when applied as directed.

STOP. Read ENTIRE label before use.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. *For outdoor residential use only. Not for use on plants being grown for sale, for research purposes, for commercial seed production, or other commercial use.*



Keep people or pets off treated areas until the spray has dried.

WHAT IT DOES

Chemsico Herbicide Formula D provides pre-emergence control of crabgrass and other listed annual grasses and broadleaf weeds in your lawn. What does this mean to you? It means not only will you have a lawn free of the weeds listed below, you'll also have a lawn which will not have to compete with these weeds for space, water and essential nutrients.

HOW IT WORKS

Chemsico Herbicide Formula D prevents weeds from growing by stopping the seeds from developing [germinating]. Because it affects only the seeds and newly emerged crabgrass, it won't harm established turf grasses when used as directed. It can also be used around the base of listed established ornamentals. Treat early in the spring before weeds sprout [germinate] to get maximum weed control. This product does not kill established weeds [except newly emerged crabgrass].

WEEDS CONTROLLED

Barley, barnyard grass, bittercress, bluegrass (annual), brome, carpetweed, chickweed, crabgrass (large, smooth, Southern), crowfoot grass, dallis grass (seedling), geranium (Carolina), goosegrass, foxtail (green, yellow), henbit, knotweed (prostrate), kikuyu grass, lespedeza (common), marestail, medic (black), mustard, oxalis (buttercup), pineappleweed, pigweed (redroot), parsley-piert, purslane (common), oats (wild), rocket (London), rye grass (annual, perennial), shepherds purse, smut grass, speedwell (corn), spurge (garden, prostrate, spotted), woodsorrel (creeping, yellow)

LAWNS [GRASSES] WHICH CAN BE TREATED

[Use on following types of lawns:] Bahia grass, Bentgrass (creeping), Bermuda grass, Bluegrass (Kentucky), Buffalo grass, Carpet grass, Centipede grass, Fescue (fine, tall), Kikuyugrass, Rye grass (perennial), Seashore paspalum, St. Augustine grass, Zoysia grass

HOW TO APPLY

(OPTIONAL DIRECTIONS)

PRESSURE SPRAYERS

Use 2 1/2 Tablespoons (1 1/4 fl. oz.) of product when treating in Northern regions and 5 Tablespoons (2 1/2 fl. oz.) when treating in Southern regions. See [map] [chart] for your region. Pour in the appropriate amount of product for your region into your sprayer [tank] and dilute with one gallon of water. Tightly close sprayer and shake well before treating. Use a spray pattern that gives small spray droplets without any fine mist and treat 250 sq. ft.

(OPTIONAL DIRECTIONS)

DIAL HOSE-END SPRAYERS

Sprayers requiring the addition of only the product prior to application:

To treat 1,000 sq. ft. of lawn:

- 1) Fill sprayer jar with 5 fl. oz. of product when treating in Northern regions and 10 fl. oz. when treating in Southern regions. See [map] [chart] for your region. Do not add water to sprayer.
- 2) Set dial on sprayer to the "1 fl. oz." setting when treating in Northern regions and to the "2 fl. oz." setting when treating in Southern regions.
- 3) Attach sprayer to hose. Extend hose to the farthest area of lawn to be treated and work back toward faucet so that you do not walk over treated areas. Apply evenly to 1,000 sq. ft. of lawn.

(OPTIONAL DIRECTIONS)

PRODUCT + WATER HOSE-END SPRAYERS

Sprayers requiring the addition of both water and product prior to application:

To treat 1,000 sq. ft. of lawn:

- 1) Pour product into sprayer jar to the required "fl. oz." level. Add 5 fl. oz. of product when treating in Northern regions and 10 fl. oz. when treating in Southern regions. See [map] [chart] for your region.
- 2) Then add water to the 5 "gals." level. Replace sprayer top on jar and shake well before treating.
- 3) Attach sprayer to hose. Extend hose to the farthest area of lawn to be treated and work back toward faucet so that you do not walk over treated areas. Apply evenly to 1,000 sq. ft. of lawn.

(OPTIONAL DIRECTIONS)

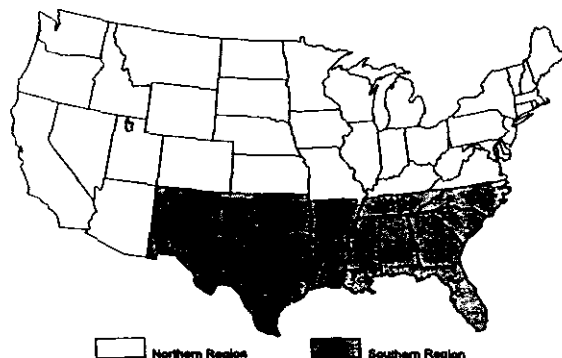
READY SPRAY NOZZLE

Shake container well before using.

1. Connect garden hose to the spray ready nozzle. (graphic) Make sure the large water control dial on the nozzle is in the "OFF" position (tab is vertical). (graphic).
2. Turn on water at faucet. Extend hose to the farthest area to be treated and work back towards the faucet so you do not walk over treated area. Twist the small star-shaped, product control button to align the flat portion with the lock tab. Push the button in to open. (graphic).
3. To BEGIN spraying, point nozzle toward area to be treated and turn the large water control dial to the "ON" position (tab is horizontal). Water will automatically mix with the product. (graphic)
4. Walk at a steady pace while spraying using an even sweeping motion, slightly overlapping treated areas. One quart will treat 6,000 sq. ft. in northern regions and 3,000 sq. ft. in southern regions. See [map] [chart] for your region. Calculate square feet by multiplying length by width. Refer to [sight gauge] [Clear-View measuring window] to guide coverage (example, when bottle is half empty, you should have covered half the area).
5. To STOP spraying turn large water control dial to the "OFF" position. Push small product control button in to close. Twist the small star-shaped, product control button so that it is no longer aligned with the flat portion of the lock tab. Turn off water at faucet. To relieve pressure, turn large water control dial to "ON" position and wait until water stops spraying before removing nozzle from hose.
6. To STORE unused product, place in cool area away from heat, direct sunlight or open flame.

USE TIPS

- Use on lawn which is well established. Delay treatment of a new lawn until it has received at least two mowings, so the lawn has time to develop a good root system.
- For best results, apply early in the season before weeds have started to germinate (sprout).
- Apply evenly, because poor coverage will result in uneven weed control.
- Do not apply directly to the bare roots of ornamental plants, as injury may occur.
- Do not apply under windy conditions that would cause the product to drift to sensitive plants.
- To prevent damage to the foliage or ornamentals, rinse leaves with water immediately after application to remove any spray from leaves.
- Do not treat areas where plants are under stress due to drought, flooding, excessive fertilizer or soil salts, wind injury due to insects, nematodes or disease.
- If your variety of lawn is not listed on this label, apply to a small area first. If grass becomes discolored, do not use this product.
- You can re-seed 5 months after apply this product.

WHERE TO USE**MAP FORMAT****OPTIONAL TREATMENT CHART FORMAT****NORTHERN REGION**

AZ, CA, CO, CT, DE, IA, ID, IL, IN, KS, KY, MA, ME, MD, MI, MN, MO, MT, ND, NE, NH, NJ, NY, NV, OH, OR, PA, RI, SD, UT, VA, VT, WA, WI, WV, WY

SOUTHERN REGION

AL, AR, FL, GA, LA, MS, NC, NM, OK, SC, TN, TX

In New York state this product may be used only by professional applicators at no more than 8 fl. oz. per 1,000 sq. ft. per year and is prohibited from use in Nassau and Suffolk counties.

[When you treat your lawn, you can also treat ornamentals listed below. To control listed weeds in ornamental plant beds, apply this product at the same application rate as for lawns in your region. Apply around the base of the following ornamentals: Abelia, Ajuga, Almond (Flowering), Apple*, Arborvitae, Aster, Ash, Azalea, Bamboo, Barberry, Bearberry (Common), Birch, Blueberry*, Bottlebrush, Boxwood, Broom Bugle Carpet, Carex (Variegated), Camellia, Cedar (Red), Cockscomb, Coleus, Copper leaf, Cotoneaster, Cycas, Coyotebrush, Cypress, Daffodil, Daylily, Dogwood, Douglas Fir, Dusty Miller, Elm, Euonymus, Fan Palm, Fescue, Fetterbush, Ficus, Forsythia, Fraser Fir, Gardenia, Geranium, Gum, Hawthorn, Heather, Hibiscus, Hemlock, Holly, Honeysuckle, Hosta, Ice Plant, Impatiens, Iris, Ivy, Jasmine, Juniper, Laurel (Australian, Mountain), Lily, Lily of the Valley, Lilyturf, Ligustrum (Japanese), Liriope, Maize, Marigold, Mock Orange*, Mondo Grass, Moss Rose, Myrtle, Nadina, Oleander, Oak, Osteospermum, Palm, Pampas Grass, Paper Flower, Pachysandra, Peach*, Periwinkle, Petunia, Photinia, Pieris, Pine, Pineapple*, Pittosporum, Potentilla, Privet,

Pyracantha, Quince*, Rhododendron, Rodie Max, Rose, Rosemary*, Salvia, Sedum, Spiraea, Spruce, Sourwood, Sweetflag, Sweetgum, Sycamore, Tree Fern, Tulip, Verbena, Vervain, Viburnum, Xylosma, Yaupon, Yew

**DO NOT EAT FRUIT OR VEGETABLES FROM TREATED PLANTS.]*

STORAGE AND DISPOSAL

Storage: Store in a cool dry place out of reach of children and pets. **Disposal:** If empty: Do not reuse this container. Place in trash or offer for recycling if available. If partly filled: Call your local solid waste agency or 1-800-CLEANUP for disposal instructions. Never place unused product down any indoor or outdoor drain.

PRECAUTIONARY STATEMENTS**Hazards To Humans And Domestic Animals**

CAUTION: Harmful if swallowed. Causes moderate eye irritation. Avoid contact with eyes or clothing. Wash thoroughly with soap and water after handling.

First Aid

If Swallowed: Call a Poison Control Center or doctor immediately for treatment advice. Have a person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a Poison Control Center or doctor. Do not give anything by mouth to an unconscious person. **If in Eyes:** Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a Poison Control Center or doctor for treatment advice.

Have the product container or label with you when calling a Poison Control Center or doctor, or going for treatment.

Environmental Hazards

This product is toxic to fish and highly toxic to other aquatic organisms including oysters and shrimp. Use with care when applying to turf areas adjacent to any body of water. Drift and runoff from treated turf may adversely affect aquatic organisms in adjacent aquatic sites. 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 treated areas. Do not contaminate water when disposing of equipment washwaters.

Physical or Chemical Hazards

COMBUSTIBLE. Do not use or store near heat or open flame.

NOTICE: Buyer assumes all responsibility for safety and use not in accordance with directions.

Questions or comments? Call 1-800-332-5553

Made in the USA by Chemsico, Division of United Industries Corporation
 P.O. Box 142642, St. Louis, MO 63114-0642

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 EPA Est. No. 9688-MO-1

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