

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

OCT 22 1991

W. L. Chase, Jr.
Chevron Chemical Company
940 Hensley Street
Richmond, CA. 94804-0036

Dear Mr. Chase:

Subject: Revised Label and Eye Irritation Studies
Ortho Grass & Weed Preventer
EPA Registration No. 239-2532
Your Submission Dated June 14, 1991

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, is acceptable with the following provisions:

1) Due to new EPA policy, part of the Environmental Hazards section has been changed. To comply, change the sentence "Do not apply to water or wetlands (swamps, bogs, marshes and potholes)" to read "Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark."

2) The Precautionary Statements should be revised to read as follows:

"Harmful if inhaled. Avoid breathing spray mist. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse."

3) Add the following Statements of Practical Treatment:

"If inhaled: Remove victim to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. Get medical attention."

CONCURRENCES							
SYMBOL	H7505C						
SURNAME	D. KENNY						
DATE	10/21/91						

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After review of the eye irritation data submitted, the Agency agrees with your position that this product is not an eye irritant and fits in toxicity category IV. Precautionary statements regarding the eye are not required for this toxicity category. A stamped copy is enclosed for your records. Please submit five (5) final printed copies for the referenced label, incorporating the above changes.

Sincerely yours,

Joanne I. Miller
Product Manager (23)
Fungicide-Herbicide Branch
Registration Division (H7505C)

Enclosure

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PM 23 239-2532

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS & DOMESTIC ANIMALS

CAUTION: Avoid breathing spray. May be harmful if inhaled. Do not feed treated foliage to livestock or graze treated areas. Note to Physicians: Emergency Information — call (415) 233-3737.

ENVIRONMENTAL HAZARDS: Do not apply directly to water. Do not contaminate water when disposing of equipment wash waters.

DIRECTIONS FOR USE

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

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

ORTHO Grass & Weed Preventer is a preemergence weed killer designed to control weed seeds before they emerge. It controls crabgrass (both smooth and large) and other annual grasses (green and yellow foxtails, annual bluegrass, Poa annua), barnyardgrass, goosegrass, Johnsongrass (from seed), lovegrass, wildgrasses and broadleaved weeds (carpetweed, common chickweed, lamb'squarters, purslane, Florida pusley, spurge, pigweed).

DIRECTIONS

NEW PLANTINGS — ORTHO Grass & Weed Preventer should be applied to a well prepared soil which is free of weeds and PRIOR to weed seed germination. Apply within two to three days following cultivation to prevent subsurface germinating weeds from becoming established. If soil is dry, water thoroughly after application. Weeds already germinated or present at the time of application will not be controlled. Disturbing the soil surface after application will reduce effectiveness. Certain weeds which escape or are not controlled may be easily hand pulled or spot treated with another product especially designed for that use.

ESTABLISHED PLANTS — Kill existing weeds around ornamentals, shrubs and trees by using shallow cultivation or with KLEENUP products. Be sure not to contact desirable plants with the KLEENUP products. Use ORTHO Grass & Weed Preventer 2-3 days after applying above product even though the weeds are not yet dead. One application should provide 2 months control. Reapply every 2 months to maintain weed free soil. If soil is dry, water thoroughly after application.

HOW TO USE: Measure the area to be treated into smaller plots. For best results, the ORTHO Lawn Sprayer (15 gallon capacity) should be used. To treat 1,000 sq. ft. (20' X 50') add the recommended amount directly to the sprayer jar and fill with water to the 15 gallon mark. Gently stir solution and attach jar onto sprayer head. Spray contents evenly. Note: For even smaller areas, apply 3 fl. oz. in 3 gallons to uniformly cover a 200 sq. ft. (20' X 10') area.

VEGETABLE GARDENS — Apply 16 fl. oz. in 15 gallons of water to uniformly cover 1,000 square feet (20' X 50'). An ORTHO Lawn Sprayer or sprinkling can may be used to apply herbicide following directions listed below, depending on specific vegetable crop. NOTE: For STRAWBERRIES, apply 13 fl. oz. in 15 gals. of water to cover 1,000 sq. ft. (20' X 50'). The spray may be applied over the top of plants without injury if the spray is watered in thoroughly following application.

BROCCOLI, BRUSSELS SPROUTS, CAULIFLOWER, CABBAGE, ONIONS, GARLIC — Apply at seeding or transplanting.

BEANS (dry or snap), **SOUTHERN PEAS** (black-eyed), **COLLARDS, KALE, MUSTARD GREENS, TURNIPS** (Greens and Roots) — Apply to direct seeded plantings at the time of seeding.

CUCUMBERS, SQUASH (Winter and Summer), **MELONS** (Cantaloupe, Honeydew, Watermelons) **DIRECT SEED** — Apply only to plants which are well established with 4-5 true leaves and growing conditions are favorable.



ORTHO

Treats 1400

to 2,000 Sq. Ft.

Grass & Weed Preventer

- CONTAINS DACTHAL® — A Selective Preemergence Weed Killer
- Kills Germinating Weed Seed Before They Emerge
- Controls Annual Broadleaf Weeds and Grasses as Listed
- For Use in Home Vegetable and Flower Gardens, Lawns, Ground Covers, and Around Ornamentals and Trees

APPLY ANYTIME!!

WINTER, SPRING, SUMMER, FALL

Active Ingredient
*Dimethyl-Tetrachloroterephthalate 20.7%
Inert Ingredients 79.3%
*Dacthal® — Reg. TM of Diamond Shamrock Corporation for Dimethyl Tetrachloroterephthalate Herbicide.

Keep out of reach of children

CAUTION

See side panel for additional precautionary statements.

NET CONTENTS 1 QT.

POTATOES — Apply at planting time or up to nine weeks after planting. (Not recommended for use in California.)

SWEET POTATOES AND YAMS — Apply at planting time or up to six weeks after transplanting.

TOMATOES, EGGPLANT, PEPPERS — Apply only to well-established plants (4-6 weeks after transplanting) when growing conditions are favorable.

STRAWBERRIES: ESTABLISHED PLANTINGS — Apply in the early fall and early spring. Do not apply from first bloom through harvest.

REPLANTING — Replanting crops other than those included on the label in DACTHAL treated soil within eight months of application may result in crop injury. If replanting is required because of an 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 on the label may be planted following harvest of a DACTHAL treated crop.

FLOWER GARDENS — Apply over the top of plants after they are established or after transplanting following the instructions for vegetable gardens above. When needed, additional applications can be made at any time, provided beds have been cultivated and are free of weeds.

ESTABLISHED LAWNS: For best results, mow lawn and divide into small plots of 1,000 sq. ft. each (20' X 50'). In the late winter or early spring before crabgrass and other annual grasses and broadleaf weed seed germinate, apply 16 fl. oz. of ORTHO Grass & Weed Preventer in 15 gallons of water using an ORTHO Lawn Sprayer (coarse spray pattern) evenly over 1,000 sq. ft. of lawn. Following application, thoroughly rinse herbicide spray off foliage into the soil where it will form a barrier to prevent weed seed germination. Broadleaf weeds present in lawn or already germinated at time of application will not be affected. These should be hand pulled or sprayed with a broadleaf weed killer such as WEED-B-GON Lawn Weed Killer. If crabgrass is present, use ORTHO Crab Grass Killer Formula II to kill existing weeds or spot treat undesirable grasses and weeds with ORTHO KLEENUP products. Wait 1-2 days and apply the DACTHAL treatment described above.

NOTE: Do not apply to Dichondra lawns.

NEWLY SEEDED LAWNS — Early spring application may be made to new lawn grass seedlings after the newly sprouted grasses have exhibited uniform greening — preferably when one or two inches in height.

TIMING FOR CRABGRASS AND SPOTTED SPURGE CONTROL IN LAWNS: Crabgrass seed germinations usually coincide with the time Forsythia blossoms start to fall. One application in late winter-early spring before weed seed germination will provide seasonal control. IMPORTANT: Reapply at two month intervals to extend preemergence weed control to prevent germination of additional late-spring/early-summer weeds such as spotted spurge, late germinating crabgrass, goosegrass, and other listed weeds. Where spring seeding is necessary, there should be a delay of approximately sixty days after the application of DACTHAL before planting new grass seed.

TO CONTROL ANNUAL BLUEGRASS (Poa annua) and late summer-early fall germinating grasses and weeds, reapply in August or September at the rate of 13 fl. oz. in 15 gallons of water uniformly over 600 sq. ft. Water in thoroughly after application. This will supplement previous applications. Note: Earlier treatments (August) are required in Southern states. Use no more than recommended rate. Consult local County Agricultural Extension Service for date to apply in your area.

GROUND COVERS, ORNAMENTALS, SHRUBS AND TREES (as listed below) — Apply 16 fl. oz. in 15 gallons of water to cover 1,000 sq. ft. (20' X 50'). An ORTHO Lawn Sprayer or sprinkling can may be used to apply herbicide uniformly to soil around

the base
Immediate
pared soil

Abelia
Ageratum
Alyssum
Andromeda

Jap.
Arborvitae
Ash

Aster
Azalea

Babysbreath
Barberry

Bellflower
Birch

Bleedingheart
Bloodleaf

Boxwood
Bugloss

Camellia
Candytuft

Chestnut
Chrysanth.

Cinquefoil
Columbine

Coneflower
purple

Coreopsis
Coralbells

Cosmos
Cotoneaster

Cottonwood
Crabapple

Cupress

DO NOT

Bugleweed
Butterfly

Carnation

This prod
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plants are
spraying

STORA

STORAGE

concentrate a
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DISPOSAL

of by sec
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Chevron

Ortho Cons

P.O. Box 5

Product 10

Form 1055

EPA Reg. M

EPA Est. 2

CONFIDENTIAL

PROPERTY OF

CHEVRON CHEMICAL COMPANY

UNTIL ACCEPTED BY EPA

OCT 23 1981

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239-2532

*DCPA (dimethyl tetrachloroterephthalate)

COPY B

Do not apply directly to water or wetlands (swamps, bogs, marshes and potholes). Do not contaminate water when disposing of equipment wastewater.

COPY C

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.

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