



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

JAN 14 1994

Nancy L. Bockrath
ZENECA INC.
ZENECA AG PRODUCTS
NEW MURPHY ROAD & CONCORD PIKE
BOX 751
WILMINGTON, DE. 19897

OFFICE OF
PREVENTION, PESTICIDES AND
TOXIC SUBSTANCES

Subject: Label Amendment Submission of 08/17/93 in Response to PR Notice 93-7
EPA REG. NO. 10182-172
EPTAM 23 G

Dear Registrant:

The labeling cited above and submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), as amended, is accepted. A copy of your proposed labeling stamped "ACCEPTED WITH COMMENTS" is enclosed.

WHAT THIS ACCEPTANCE MEANS:

Based on your certification, the Agency has accepted the labeling changes that are necessary to comply with the Worker Protection Standard (WPS) labeling requirements of 40 CFR part 156, subpart K, described in PR Notices 93-7 and 93-11. Any other labeling changes submitted in connection with this amendment application but not directly related to compliance with the WPS have not been reviewed or accepted by the Agency. If you wish to make such changes, you must submit a separate amendment application proposing them. If your product is currently suspended, the acceptance of this labeling amendment does not affect the suspension in any way.

WHAT YOU NEED TO DO NEXT:

Send to EPA one (1) copy of the final printed labeling:

- BEFORE selling or distributing any product bearing the final printed labeling
- AND
- WITHIN one year from date of this acceptance.



Recycled/Recyclable
Printed with Soy/Canola Ink on paper that
contains at least 50% recycled fiber

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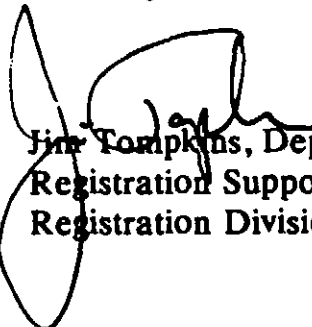
Submit the final printed labeling via the U.S. Postal Service to:

Document Processing Desk (FIN-LABEL)
Office of Pesticide Programs (7505C)
U.S. Environmental Protection Agency
401 M Street, SW
Washington, D.C. 20460-0001

Hand or courier deliveries of final printed labeling may be made to:

Document Processing Desk (FIN-LABEL)
Office of Pesticide Programs
Room 266A, Crystal Mall 2
1921 Jefferson Davis Highway
Arlington, VA 22202

Sincerely,



Jim Tompkins, Deputy Chief
Registration Support Branch
Registration Division (7505W)

Attachment

30F12

**EPTAM® 2.3-G
Granules**

A Selective Herbicide for Weed Control in Flowers and Ornamentals.
For Control of Annual Grassy Weeds and Many Annual Broadleaf Weeds.

ACTIVE INGREDIENT:	
S-ethyl dipropylthiocarbamate	2.3%
INERT INGREDIENTS:	<u>97.7%</u>
Total	100.0%

Contains 2.3 pounds active ingredient per 100 pounds.

EPA Reg. No. 10182-172
EPA Est. No. 10182-

Net Contents:

KEEP OUT OF REACH OF CHILDREN

CAUTION

ACCEPTED
with COMMENTS
in EPA Letter Dated

JAN 14 1991

Under the Federal Insecticide,
Fungicide, and Rodenticide Act
as amended, for the pesticide
registered under EPA Reg. No.
10182-172

Made in U.S.A.
ZENECA Professional Products
ZENECA Inc.
Wilmington, DE 19897

STATEMENT OF PRACTICAL TREATMENT

FIRST AID

If a known exposure occurs or is suspected, immediately initiate the recommended procedures below. If further treatment is required, contact a Poison Control Center, a physician, or the nearest hospital.

IF SWALLOWED: Immediately give several glasses of water and induce vomiting by gagging the victim with finger placed on the back of the victim's tongue. Give fluids until vomitus is clear. If victim is unconscious or convulsing, do not induce vomiting or give anything by mouth.

IF ON SKIN: Flush all affected areas with plenty of water for several minutes. Remove and clean contaminated clothing and shoes before reuse. Seek medical attention if irritation occurs.

IF IN EYES: Hold eyelids apart and flush with plenty of water for 15 minutes. Seek medical attention if irritation occurs.

IF INHALED: Remove to fresh air. Seek medical attention if respiratory irritation occurs or if breathing becomes difficult.

**FOR 24-HOUR EMERGENCY MEDICAL ASSISTANCE, CALL 1-800-F-A-S-T-M-E-D
(327-8633)**

**FOR CHEMICAL EMERGENCY: Spill, leak, fire, exposure, or accident call CHEMTREC
1-800-424-9300.**

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION

HARMFUL IF SWALLOWED. Avoid contact with eyes, skin, and clothing. Wash thoroughly after use. Avoid breathing dust.

Personal Protective Equipment

Applicators and other handlers must wear:

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

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.

When handlers use closed systems, enclosed cabs, or aircraft in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240(d)(4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS.

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.
- 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

Do not apply directly to water or to areas where surface water is present, or to intertidal areas below the mean high water mark. This product is toxic to fish. 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.

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 protection equipment (PPE) and restricted-entry interval. 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. Exception: If the 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
-

GENERAL USE PRECAUTIONS

- READ ALL LABEL DIRECTIONS BEFORE USING.
- EPTAM® 2.3-G granules should be used only for recommended purposes and at recommended rates (DO NOT OVERDOSE).
- EPTAM 2.3-G is recommended for use on mineral soils only.
- For all uses, EPTAM 2.3-G must be thoroughly mixed into the soil.
- EPTAM 2.3-G may cause injury to ornamentals under certain soil and climatic conditions or if directions are not followed.
- Keep container closed when not in use. Do not store near seeds or fertilizers.

WEEDS CONTROLLED

EPTAM 2.3-G controls over 20 species of weeds and will keep a treated area virtually weed-free for an average growing season. (In semitropical areas, more than one application may be needed.)

EPTAM 2.3-G will not control established weeds.

ANNUAL GRASSES:

Annual Bluegrass
Annual Ryegrass (Italian Ryegrass)
Barnyardgrass (Watergrass) (Junglerice)
Crabgrass
Giant Foxtail
Goosegrass
Green Foxtail
Johnsongrass Seedlings
Lovegrass (Stinkgrass)
Sandbur, Field
Shattercane (Black Amber Cane, Chicken-Corn,
Scatter Cane, Wild Cane)
Volunteer Grains (Barley, Oats, Wheat)
Wild Oats
Yellow Foxtail

Poa annua
Lolium multiflorum
Echinochloa spp.
Digitaria spp.
Setaria faberii
Eleusine indica
Setaria viridis
Sorghum halepense
Eragrostis cilianensis
Cenchrus pauciflorus
Sorghum bicolor

Avena fatua
Setaria glauca

ANNUAL BROADLEAF WEEDS:

Black Nightshade
Common Chickweed
Corn Spurry
Deadnettle (Henbit)
Florida Pusley
Hairy Nightshade
Lambsquarters, Common
Nettleleaf Goosefoot
Purslane, Common
Prostrate Pigweed
Ragweed, Common (Michigan only)
Redroot Pigweed (Common Pigweed)
Tumble Pigweed

Solanum nigrum
Stellaria media
Spergula arvensis
Lamium amplexicaule
Richardia scabra
Solanum villosum
Chenopodium album
Chenopodium murale
Portulaca oleracea
Amaranthus graecizans
Ambrosia artemisiifolia
Amaranthus retroflexus
Amaranthus albus

The annual broadleaf weeds listed above will be controlled only if treatment is made when conditions are favorable for weed germination and growth.

PERENNIAL WEEDS:

Bermudagrass
Mugwort (Chrysanthemumweed)
Purple Nutsedge (Nutgrass)
Quackgrass (Couchgrass, Witchgrass)
Yellow Nutsedge (Nutgrass)

Cynodon dactylon
Artemisia vulgaris
Cyperus rotundus
Agropyron repens
Cyperus esculentus

SOIL PREPARATION: The soil to be treated should be loose and free of clods. All weed growth should be removed or thoroughly worked into the soil before application.

APPLICATION: The recommended rate of EPTAM 2.3-G should be applied as uniformly as possible. Apply to well-worked soil that is dry enough to permit thorough mixing with incorporation equipment. Use one of the following appropriate means of application:

- **GRANULAR HERBICIDE APPLICATORS (for nursery field application)**
Equipment should be carefully calibrated before use and checked frequently during application.
- **HOME LAWN SPREADERS (for applying EPTAM 2.3-G between rows of nursery stock and small areas planted with ornamentals)**
Where practical, apply half the required amount of EPTAM 2.3-G over the area to be treated; then apply the remainder at right angles or crosswise.

SOIL MIXING INCORPORATION: Immediately after application, thoroughly mix EPTAM 2.3-G into the soil to a depth of 2 to 3 inches. Mix to a depth of 6 inches for nutsedge, quackgrass, Bermudagrass, and chrysanthemumweed (mugwort) control. Thorough soil mixing is necessary for good weed control. Use the following equipment or other equipment which has proven satisfactory under local conditions.

Commercial Nursery

Preplant broadcast (overall) application.

Preplant band application.

Postplant application: Nursery cultivator or rototiller.

Home Garden

Preplant application - Rototiller.

Postplant application - For annual weed use, hand rake or hoe or water in immediately after application to a depth of 2 to 3 inches. Where incorporation by hand raking is done, light watering after raking is recommended.

For perennial weeds, incorporate to a depth of 6 inches with a rototiller.

WHEN TO USE EPTAM 2.3-G

HERBACEOUS PLANTS AND GROUND COVERS: Apply 2 weeks after transplanting or after growth starts in the spring.

TREES AND SHRUBS: Apply 2 weeks before transplanting balled and canned stock (only) and anytime after transplanting. Around established plants apply after growth starts in the spring.

EPTAM 2.3-G CAN BE USED ON THESE ORNAMENTALS

Herbaceous Plants:

Ageratum
Alyssum
Amaranthus
Asters
Balsam
Begonia
Chrysanthemum
Dahlia

Daylilies
Dianthus
Marigold
Nasturtium
Pansy
Petunia
Zinnia

Ground Covers:

Ajuga
Gazania
Hypericum
Ice Plant
Ivy

Pachysandra
Periwinkle (*Vinca minor*)
Sedum
Strawberry (ornamental)

Evergreen and Deciduous Trees and Shrubs:

Berberis
Boxwood
Camellia
Chamaecyparis
Citrus (nonbearing)
Dogwood
Euonymus
Fir
Hemlock
Holly (American and Japanese)
Juniper
Leucothoe

Lilac
Linden
Magnolia
Maple
Oak
Pieris
Pine
Podocarpus
Rhododendron
Rose
Spruce
Viburnum
Yew (*Taxus*)

NOTE: All flowering bulbs, salvia, phlox, snapdragon, and ornamental pepper are susceptible to injury from an application of EPTAM 2.3-G.

RECOMMENDATIONS

FOR ANNUAL WEED CONTROL: Use EPTAM 2.3-G at the rate of 5 pounds per 1,000 square feet).

FOR QUACKGRASS, NUTSEDGE, AND BERMUDAGRASS CONTROL AROUND ESTABLISHED TREES AND SHRUBS: Existing stands of these perennial grasses must be turned under and chopped up thoroughly before treatment. Use EPTAM 2.3-G at the rate of 6 pounds per 1,000 square feet. Mix thoroughly into the top 6 inches of soil.

FOR MUGWORT (CHRYSANTHEMUMWEED) CONTROL IN AREAS TO BE PLANTED WITH THE FOLLOWING PLANTS - Juniper, Japanese Holly, Ivy, Pachysandra, Petunias: Use EPTAM 2.3-G at the rate of 15 pounds per 1,000 square feet. Mix thoroughly into the top 6 inches of soil. Apply 4 weeks before desired planting date.

SPECIALTY USE - GOLF COURSE SAND TRAPS: For control of annual grasses and broadleaf weeds, use 1 pound EPTAM 2.3-G on 200 square feet of sand. Spread evenly with a spreader calibrated to deliver the proper amount of EPTAM 2.3-G granules. Rake into the sand and water lightly. For control of nutsedge, use 1 pound EPTAM 2.3-G on 100 square feet of sand. Mix into the sand to a depth of 2 to 3 inches and water lightly for 2 to 3 minutes. Repeat as needed to maintain weed control.

HOME GARDEN USE - IRISH POTATOES AND GREEN BEANS: (Do not use EPTAM 2.3-G on blackeye peas or beans, soybeans, lima beans, or other flat podded beans except Romano.) Apply and mix into the soil 1 pound of EPTAM 2.3-G per 320 square feet just before planting. Thoroughly mix to a depth of 2 to 3 inches using a rototiller or hoe and rake. Plant at a normal seeding depth.

STORAGE AND DISPOSAL

PROHIBITIONS: Do not contaminate water, food, or feed by storage or disposal. Open dumping is prohibited. Do not reuse empty container.

STORAGE: Keep container closed when not in use. Store in a cool, dry place. Do not store near seeds, fertilizers, or foodstuffs.

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 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.

IMPORTANT: Read the entire Directions for Use and the Conditions of Sale and Warranty before using this product.

CONDITIONS OF SALE AND LIMITED WARRANTY:

The Directions for Use of this product are believed to be reliable and should be followed carefully. However, it is impossible to eliminate all risks inherently associated with the use of this product. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as timing and method of application, weather and crop conditions, mixture with other chemicals not specifically recommended or other influencing factors in the use of the product, all of which are beyond the control of the seller. All such risks shall be assumed by Buyer and User, and Buyer and User agree to hold Seller harmless for any claims relating to such factors.

Seller warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated on the label, subject to the inherent risks referred to above, when used in accordance with directions under normal conditions of use. This warranty does not extend to the use of this product contrary to label instructions, or under abnormal conditions or under conditions not reasonably foreseeable to or beyond the control of Seller and Buyer and User assume the risk of any such use. SELLER DISCLAIMS ALL OTHER WARRANTIES EXPRESSED OR IMPLIED INCLUDING ANY WARRANTY OF FITNESS OR MERCHANTABILITY.

When Buyer or User claims losses or damages resulting from the use or handling of this product (including claims based on contract, negligence, strict liability or other legal theories), Buyer or User must promptly notify in writing Seller of any claims to be eligible to receive either of the remedies set forth below. The EXCLUSIVE REMEDY OF BUYER OR USER and the LIMIT OF LIABILITY of Seller will be, at the election of Seller, refund of the purchase price paid for product bought, or replacement of amount of product used. SELLER SHALL NOT BE LIABLE FOR CONSEQUENTIAL, SPECIAL OR INDIRECT DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT AND SELLER'S SOLE LIABILITY AND BUYER'S AND USER'S EXCLUSIVE REMEDY SHALL BE LIMITED TO THE REFUND OF THE PURCHASE PRICE.

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