

Thomas D. Rogerson, Ph.D.
Rohm and Haas Company
Independence Mall West
Philadelphia, PA 19105

SEP 10 1984

Dear Dr. Rogerson:

Subject: Amendment: Revised Labels
Ground Application to Fallow Beds
Goal 2E Herbicide
EPA Registration No. 707-145
Goal 1.6E Herbicide
EPA Registration No. 707-174
Your Submission of August 22, 1984

The amendment referred to above, submitted in connection with registration under FIFRA is acceptable provided that you:

1. Make the labeling changes listed below before you release the product for shipment bearing the amended labeling:
 - a. Reinstate the previously accepted use restriction, "Goal 2E herbicide should be applied only by ground application equipment."
 - b. Delete references and directions for tank mixing with paraquat.

Note: You may repropose the revised application restriction and directions for tank mixing with paraquat when aerial application is accepted for your products and paraquat is registered for use on fallow land.

2. Submit five (5) copies of your final printed labeling before you release the product for shipment.

A stamped copy of the labeling is enclosed for your records.

Sincerely yours,

Richard P. Mountfort *RP*
Product Manager (23)
Fungicide-Herbicide Branch
Registration Division (TS-767)

Enclosure

RD/PHB:Mountfort:DCR-25284:WANG-0472K:adb:Raven:479-2013:8/30/84

REFERENCES							
SYMBOL							
SUBNAME							
DATE							

ROHM AND HAAS COMPANY

INDEPENDENCE MALL WEST

PHILADELPHIA PENNSYLVANIA 19105



EPA Reg. No. 707-145-AA

EPA Est. No. 707-PA-1

DIRECTIONS FOR USE

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

NOTICE: Before using this product, read the entire Precautionary Statements, Conditions of Sale and Warranty, Directions for Use, Use Precautions and Storage and Disposal Instructions on back panel and attached use directions. If the conditions of Sale and Warranty are not acceptable, return the product unopened within thirty days of purchase to the place of purchase.

GENERAL INFORMATION

GOAL 2E is effective as a preemergence and/or postemergence herbicide when used alone or in a tank mix combination with Roundup[®] or paraquat (Gramoxone[®] or Ortho[®] paraquat) for the control of winter annual broadleaf weeds in fallow beds. Do not apply within 14 days of planting. The fallow beds should be worked with a Lilliston, or similar incorporation tool, to a depth of at least 2 inches prior to planting. It is important to thoroughly break the soil surface prior to planting; weed control should not be expected following breaking of the soil surface. *

Cotton can be planted 14 days or more following a GOAL 2E herbicide fallow bed application.

GOAL 2E HERBICIDE USED ALONE

DOSAGE

GOAL 2E herbicide should be used at 1.0 to 2.0 pints (0.25 to 0.5 lb. active) per broadcast acre. The lower rate (1.0 pints per acre) should provide postemergence control of susceptible weeds (up to 4 leaf stage) and provide up to 4 weeks of preemergence control of susceptible weeds. The higher rate (2.0 pints per acre) should provide postemergence control of susceptible weeds (up to 6 leaf stage) and preemergence control of susceptible weeds for up to 8 weeks. Best preemergence control is achieved when preirrigation or rainfall occurs within 3 or 4 weeks following application.

WEEDS CONTROLLED

GOAL 2E herbicide should provide preemergence and postemergence control of the following weeds when used at recommended dosages and weed stage.

CHEESEWEED (MALVA)	Malva parviflora
• FIDDLENECK, COAST	Amsinckia intermedia
• FILAREE, BROADLEAF	Erodium botrys
• FILAREE, REDSTEM	Erodium cicutarium
• GROUNDSEL, COMMON	Senecio vulgaris
✓ HENBIT	Lamium amplexicaule
• MINERSLETTUCE	Montia perfoliata
✓ MUSTARD, BLACK	Brassica nigra
✓ NETTLE, BURNING	Urtica urens
• REDMAIDS	Calandrinia caulescens
• ROCKET, LONDON	Sisymbrium irio
• SOWTHISTLE, ANNUAL	Sonchus oleraceus

GOAL 2E is a contact herbicide, therefore, coverage is essential for acceptable postemergence control. If dense weed populations, oversized weed seedlings, volunteer grains, annual grasses or unfavorable environmental conditions exist, a tank mixture of GOAL 2E herbicide with Roundup or paraquat for postemergence control is recommended.

METHOD OF APPLICATION

GOAL 2E herbicide should be applied in a minimum of 20 gallons of water per acre. The volume of water used should be increased as the weeds become taller and more dense. Use a low pressure sprayer equipped with flat fan nozzles. Spray equipment should be calibrated carefully before each use.

MIXING DIRECTIONS

✓ Fill the spray tank at least one-third full of clean water and add the recommended amount of GOAL 2E herbicide while the pump and agitator are running. Complete filling of the spray tank with water and then add 1 quart of TRITON AG-98 or comparable 80% active nonionic surfactant, cleared for use ✓ on growing crops, per 100 gallons of spray. Maintain agitation until spraying is complete.

CULTURAL CONSIDERATIONS

✓ In order for GOAL 2E herbicide to provide maximum preemergence activity, the bed or soil surface should be smooth and free of crop and weed trash (decaying leaves, clippings, dead weeds, etc.).

For best preemergence activity, preirrigation or rainfall should occur within 3 or 4 weeks after application. Cultural practices which result in redistribution or disturbance of the soil surface after treatment will decrease the herbicidal effectiveness of GOAL 2E. The best results from GOAL 2E herbicide are from applications to established beds or soil surfaces which are left undisturbed during the time period for which weed control is desired.

GOAL 2E HERBICIDE

The following use restrictions apply to GOAL 2E herbicide when used as recommended on this label.

- Do not apply more than 1.0 pint (0.5 lb. active) of GOAL 2E herbicide per acre, per fallow season.
- Do not apply GOAL 2E herbicide within 14 days of planting.
- Do not rotate to any crops other than cotton or soybean for 12 months following a GOAL 2E herbicide fallowed application.
- Do not contaminate irrigation water or water used for domestic purpose.
- Do not use any plants treated with GOAL 2E herbicide for feed or forage.
- Do not feed or allow animals to graze on any areas treated with GOAL 2E herbicide.
- GOAL 2E herbicide should be applied only by ground application equipment except as specifically directed on this label or on other approved Rohm and Haas Company supplemental labeling.
- Do not apply when weather conditions favor drift. Avoid drift to all non-target areas. GOAL 2E herbicide is phytotoxic to plant foliage.
- Thoroughly flush spray equipment (tank, pump, hoses and boom) with clean water before and after each use. Residual GOAL 2E herbicide remaining in spray equipment may damage other crops. To assist removal of GOAL herbicide residues in spray equipment, TRITON AG-98 or TRITON CS-7 may be added at the rate of 1 quart per 100 gallons of water during flushing.
- Use GOAL 2E herbicide only for recommended purposes and at recommended rates.
- Do not treat ditch banks or waterways with GOAL 2E herbicide.

TANK MIXES WITH GOAL 2E HERBICIDE

IMPORTANT: Read and observe all label directions before using. When tank mixing, always read all individual manufacturers' labels. In interpreting all labels for the tank mix, the most restrictive situations must apply.

DOSAGE

GOAL 2E herbicide can be tank mixed with paraquat or Roundup to obtain postemergence control of annual grassy weeds. Tank mix 1.0 to 2.0 pints (0.25 to 0.5 lb. active) of GOAL 2E herbicide with 1 to 2 quarts (0.5 to 1.0 lb. active) of paraquat or 0.75 to 1.0 pint (0.38 to 0.5 lb. active) of Roundup for each acre treated. Refer to the "Preplant or Preemergence Uses" Section on the Ortho paraquat CL label or the Gramoxone label or the "Fallow and Reduced Tillage System" Section on the Roundup label for specific use directions and restrictions. Apply at the recommended rates and growth stages to susceptible weed species in a manner described on the respective labels.

TANK MIXING DIRECTION

Fill the spray tank at least one-third full of clean water and add the recommended amounts of GOAL 2E herbicide and paraquat or Roundup while the pump and agitator are running. Complete filling of the spray tank with water. Add 1 quart of TRITON AG-98 or comparable 80% active nonionic surfactant, cleared for use on growing crops, per 100 gallons of spray. Maintain agitation until spraying is complete.

CULTURAL CONSIDERATIONS: In addition to details previously listed under "GOAL 2E Herbicide Used Alone," read all individual manufacturers' labels. In interpreting all labels for the tank mixture, the most restrictive cultural situations must apply.

SPECIFIC USE RESTRICTIONS - GOAL 2E HERBICIDE/TANK MIXES

In addition to the following, also observe all specific use restrictions previously listed under GOAL 2E Herbicide Used Alone.

- When tank mixing, always read all individual manufacturers' labels. In interpreting all labels for the tank mixture, the most restrictive situations must apply.

GOAL^R 2E and TRITON AG-98 are registered trademarks of Rohm and Haas Company.

GRAMUXONE^R is a registered trademark of ICI Americas Inc.

ROUNDUP^R is a registered trademark of Monsanto Company.

ORTHOR^R is a registered trademark of the Chevron Chemical Company.

CONDITIONS OF SALE AND WARRANTY

Rohm and Haas warrants that the product conforms to its chemical description and is reasonably fit for the purpose stated on the label only when used in accordance with label directions under normal conditions of use. ROHM AND HAAS MAKES NO OTHER EXPRESS OR IMPLIED WARRANTIES EITHER OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE. Crop injury, ineffectiveness or other unintended consequences resulting from such factors as failure to follow label directions, weather or soil conditions, presence of other materials, disease, pests, drift to other crops or property, handling, storage and manner of use are beyond the control of Rohm and Haas and Seller. All such risks will be assumed by the Buyer or User. In no case will Rohm and Haas or Seller be held liable for consequential, special or indirect damages resulting from the use or handling of this product.

JAH:ew
(9786E/1992)
5/8/84

June 9, 1983

COPY A

CONSERVATION TILLAGE USES

Paraquat and Paraquat tank mixes may be applied in liquid nitrogen and/or complete liquid fertilizer solutions (follow label recommendations for crop involved) when 20 to 60 gallons of dilute solution are applied per acre in combination with 1 to 2 pts. of ORTHO X-77 Spreader (non-ionic) per 100 gals. Equipment must be adjusted and calibrated to obtain thorough coverage of undesirable vegetation. Inadequate coverage and/or the absence of ORTHO X-77 Spreader (non-ionic) will result in a severe reduction of Paraquat activity. Phosphate containing liquid fertilizer solutions will reduce the activity of Paraquat. When liquid fertilizer solutions containing phosphorus are used with Paraquat, and a more rapid kill is desired, use the high Paraquat label rate.

COPY B

WHEAT: Chemical Fallow

For Desiccation of Most Emerged Annual Broadleaf Weeds and Grasses and Suppression of Many Emerged Perennial Weeds During the Fallow Period(s) of the Wheat-Fallow, Wheat-Annual Crop-Fallow, Wheat-Annual Crop, and Continuous Wheat Cropping Systems -- Apply 1 to 2 pts. ORTHO Paraquat CL per acre as a broadcast spray. Aerial Application -- Apply 5 to 10 gals. spray mix per acre. Ground Application -- Use 20 to 60 gals. spray mix per acre. As density of stubble, crop residue, or weeds increases, spray gallonage should be increased within the recommended range for complete coverage. Add ORTHO X-77 Spreader (non-ionic) at 1 to 4 pts. per 100 gals. of diluted spray. Use only clean water or nitrogen solutions as a carrier. Weeds and grasses emerging after application and regrowth from perennial weeds will not be controlled. Weeds taller than 6 inches at application may not be controlled. The addition of 2,4-D or Banvel may aid in the suppression of perennial broadleaf weeds and annual broadleaf weeds that have made excessive growth before application. Refer to 2,4-D and Banvel labels for directions, limitations, and cautions. For extended weed control during the fallow period, tank mix with a registered residual herbicide or herbicide combination. Refer to residual herbicide label(s) for directions, limitations, cautions, and for a list of weeds controlled by preemergence activity of the residual herbicide(s). Add wettable powder herbicide(s) to spray tank first, mixing thoroughly in carrier. Then add liquid herbicide(s), ORTHO Paraquat CL, and ORTHO X-77 Spreader (non-ionic). Constant agitation recommended at all times.

COPY C

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COPY D

2.0 to 3.0

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