

**ROHM AND HAAS COMPANY**

INDEPENDENCE MALL WEST

PHILADELPHIA, PENNSYLVANIA 19105



PM 23  
707-145  
1 of 6

GOAL® 2E Herbicide (707-145)  
Application for Amended Registration  
Proposed Supplemental Labeling for Use on Cotton Fallow Beds

*Sept 15, 1988*  
707-145

Proposed Revised Labeling

# ROHM AND HAAS COMPANY

INDEPENDENCE MALL WEST  
PHILADELPHIA, PENNSYLVANIA 19105



EPA Reg. No. 707-145-AA  
EPA Est. No. 707-PA-1

## Supplemental Labeling for Aerial Application of GOAL® 2E Herbicide on Fallow Beds

### 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 herbicide when used alone or as a postemergence herbicide when applied in a tank mix combination with Roundup® or Gramoxone Super 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.

**EXERCISE EXTREME CARE TO AVOID HERBICIDE CONTACT WITH ANY DESIRABLE DORMANT OR NON-DORMANT CROP, PLANT, TREE OR VEGETATION AS SEVERE INJURY MAY RESULT.**

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

### GOAL 2E HERBICIDE USED ALONE DOSAGE

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GOAL 2E herbicide may be applied at 1.0 to 2.0 pints (0.25 to 0.5 lb. active) per broadcast acre. The lower rate (1.0 pint per acre) should provide up to 4 weeks of preemergence control of susceptible weeds and provide postemergence activity on susceptible weeds (up to 4 leaf stage). The higher rate (2.0 pints per acre) should provide preemergence control of susceptible weeds for up to 8 weeks and postemergence activity on susceptible weeds (up to 6 leaf stage). Best preemergence control is achieved when irrigation 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
SHEPHERDSPURSE	Capsella bursa-pastoris
SOWTHISTLE, ANNUAL	Sonchus oleraceus

\*Thorough spray coverage is essential to maximize the postemergence activity of GOAL 2E herbicide. For postemergence control, a tank mixture of GOAL 2E herbicide with Roundup or Gramoxone Super is recommended.

### AERIAL APPLICATION

GOAL 2E herbicide should be applied using swirl jet or hollow cone nozzles and a spray pressure less than 40 psi to deliver a minimum spray volume of 10 gallons of water per acre (minimum 5 gallons for GOAL 2E-Roundup tank mix). Application should be made at a height of 6 to 10 feet above the soil surface. It is suggested that the nozzles on the spray booms should not be placed any closer to the wing or rotor tips than 3/4 of the span; this will minimize the formation of spray or wing tip vortice roll. Nozzles should be spaced and positioned to produce a uniform spray pattern and to minimize or eliminate the formation of droplets 100 microns or less in diameter.

### AVOID DRIFT:

WHEN APPLYING TO FALLOW BEDS, EXTREME CARE MUST BE EXERCISED TO PREVENT SPRAY DRIFT WHICH COULD RESULT IN DAMAGE TO OTHER CROPS AND DESIRABLE VEGETATION. USE THE FOLLOWING GUIDELINES WHEN AERIAL APPLICATIONS ARE TO BE MADE:

1. Do not apply when the wind direction is not stable, when inversion conditions exist, or when wind velocity exceeds 10 mph.
2. When wind speeds are 5 mph or less, maintain a minimum downwind buffer zone of at least 1/2 mile from all crops and desirable vegetation, except the following:

Maintain a minimum downwind buffer zone of:

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- 150 feet from dormant treefruit, dormant vines and overwintering sugarbeets.

- 650 feet from garlic, jojoba, legumes, onions, pastures, small grains, seedling sugarbeets, and vegetable fallow beds.
3. When wind speeds are between 5 to 10 mph, downwind buffer zones in excess of those listed above are suggested.
  4. For upwind and side borders, maintain a minimum buffer zone of 150 feet from any vegetable fallow bed, crop, or desirable vegetation.

The use of a drift control agent may be required by local regulations. However, the drift control agent may decrease the weed control activity.

**IMPORTANT:**

Aerial applicators must be familiar with the EPA registered label and follow the use precautions. Spraying GOAL 2E herbicide in a manner other than as recommended is done at the user's risk. Users are responsible for all loss or damage which results from such spraying. In addition, aerial applicators should follow all applicable state and local regulations and ordinances. In interpreting the label and local regulations, the most restrictive situations should apply to avoid drift hazards.

**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, irrigation 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 - TANK MIXES  
DOSAGE**

GOAL 2E herbicide can be tank mixed with Roundup or Gramoxone Super to obtain postemergence control of annual grassy weeds, volunteer grains and broadleaf weeds.

**GOAL 2E - Roundup Tank Mix:**

Tank mix 1.0 to 2.0 pints (0.25 to 0.5 lb. active) of GOAL 2E herbicide with 0.75 to 1.0 pint (0.38 to 0.5 lb. active) of Roundup for each acre treated.

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Apply in a minimum of 5 gallons of water per acre at the recommended rates and growth stages to susceptible weed species in a manner consistent with the respective labels.

#### GOAL 2E-Gramoxone Super Tank Mix:

Tank mix 1 to 2 pint (0.25 to 0.5 lb. active) of GOAL 2E herbicide with 1.5 to 5 pints (0.28 to 0.93 lb. active) of Gramoxone Super for each acre treated. Apply in a minimum of 10 gallons of water per acre at the recommended rates and growth stages to susceptible weed species in a manner consistent with the respective labels.

#### TANK MIXING DIRECTIONS

Fill the spray tank at least one-third full of clean water. Add the recommended amounts of GOAL 2E herbicide and then Gramoxone Super 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.

#### FALLOW BED - SPECIFIC USE RESTRICTIONS

- Read and observe all label directions before using. When tank mixing, always read all individual manufacturers' labels. In interpreting all labels for the tank mixture, the most restrictive situations must apply.
- DO NOT AERIALY APPLY GOAL 2E HERBICIDE (EITHER ALONE OR IN ANY COMBINATION RECOMMENDED ON THIS LABEL) TO FALLOW BEDS BEFORE OCTOBER 1 OR AFTER MARCH 31.
- GOAL 2E herbicide should be applied only as specifically directed on this label or on other approved Rohm and Haas Company labeling.
- Do not apply more than 2.0 pints (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 soybeans for 10 months following a GOAL 2E herbicide fallowed application.
- Do not contaminate irrigation water or water used for domestic purposes.
- 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.
- Do not apply when weather conditions favor drift. Avoid drift to all non-target areas. GOAL 2E herbicide is phytotoxic to plant foliage.

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6 of 6

- 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.

GOAL®, TRITON and AG-98 are trademarks of Rohm and Haas Company.

GRAMOXONE is a registered trademark of ICI Americas, Inc.

ROUNDUP® is a registered trademark of Monsanto 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.

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