OCT 26 1984

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

Dear Dr. Rogerson:

Subject: Amendment - Dormant Applications: Cherry, Grape, Peach
Goal 2E Herbicide
EPA Registration No. 707-145
Goal 1.6E Herbicide
EPA Registration No. 707-174
Resubmissions: October 23, 1984

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

1. Make the labeling changes listed below before you release the products for shipment bearing the amended labeling:

   a. For Goal 1.6 Herbicide, repeat the appropriate restrictions from GENERAL USE RESTRICTIONS section of the label so that the list of specific restrictions for this product's use are the same as those listed for Goal 2E. We believe it is important for the user to be reminded not to permit grazing of treated areas, etc.

   b. For both products provide a table showing application rates for the respective Goal products and the various tank mix articles used in combination with them.

2. Submit one (1) copy of final printed labeling before you release the product for shipment.

A stamped copy of each label is enclosed.

Sincerely yours,

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

Enclosure

RD:DCR-50748:Mountfort:RD-6A:KIM:Kendrick:698-1270:10/24/84:Del.11/01/84

CONCURRENCES								
SYMBOL ▶								
SURNAME ▶								
DATE ▶								

EPA Form 1320-1 (4-81) OFFICIAL FILE COPY

ROHM AND HAAS COMPANY
INDEPENDENCE MALL WEST
PHILADELPHIA, PENNSYLVANIA 19105

EPA Reg. No. 707-174
EPA Est. No. 707-PA-1

SUPPLEMENTAL LABELING FOR GOAL[R] 1.6E HERBICIDE

DIRECTIONS FOR USE
- DORMANT APPLICATION - CHERRY, GRAPE, PEACH
  ALL STATES EXCEPT CALIFORNIA AND ARIZONA

GENERAL INFORMATION

GOAL 1.6E is effective as a preemergence and/or postemergence herbicide when used alone or in recommended tank mix combinations, for the control of certain annual broadleaf weeds, in bearing and nonbearing dormant cherry, peach and grape plantings.

The most effective postemergence weed control is achieved when GOAL 1.6E herbicide is applied to seedling weeds (less than 4 leaf stage). For postemergence control of certain grassy and broadleaf weeds, a tank mixture of GOAL 1.6E herbicide with either paraquat (Gramoxone[R] - Ortho[R] paraquat) or Roundup[R] can be used.

Preemergence control is most effective when spray is applied to clean, weed-free soil surfaces. Treated berms or soil surfaces should not be disked or disturbed in any manner as the herbicidal effectiveness of GOAL 1.6E may be decreased. Seedling weeds are controlled as they come in contact with the soil-applied herbicide during emergence. For residual grass control in dormant treefruit or vine plantings, a tank mixture of GOAL 1.6E herbicide with Devrinol[R], KERB[R], simazine or Surflan[R] can be used. Contact herbicides such as paraquat or Roundup may also be added to the tank mixture.

Check individual product labels to determine suitability and use rates for various crops.

GOAL 1.6E HERBICIDE USED ALONE

DOSAGE

GOAL 1.6E herbicide is recommended for postemergence control at 2.5 to 10.0 pints* (0.5 to 2.0 lb. active) per broadcast acre. The lower rate is recommended for the control of susceptible seedling weeds up to the 4 leaf stage. The higher rate (2.0 lb. active) should be used for weeds up to the 6 leaf stage. For preemergence control of susceptible weeds, use 10.0 pints (2.0 lb. active) per broadcast acre.

*Dosages listed are for broadcast application. For banded application, the amount of GOAL 1.6E herbicide used per acre should be reduced according to the following formula.

$$\frac{\text{Band Width (in.)}}{\text{Row Width (in.)}} \times \text{Rate per Acre Broadcast} = \text{Amount Needed per Acre for Banded Application}$$

WEEDS CONTROLLED POSTEMERGENCE

BALSAMAPPLE	Momordica charantia
COCKLEBUR, COMMON	Xanthium pensylvanicum
*CUDWEED, NARROWLEAF	Gnaphalium falcatum
**EVENINGPRIMROSE, CUTLEAF	Oenothera laciniata
GROUNDCHERRY, CUTLEAF	Physalis angulata
GROUNDCHERRY, WRIGHT	Physalis wrightii
JIMSONWEED	Datura stramonium
LAMBSQUARTERS, COMMON	Chenopodium album
MORNINGGLORY, ANNUAL	Ipomoea species
NIGHTSHADE, AMERICAN BLACK	Solanum nodiflorum
NIGHTSHADE, BLACK	Solanum nigrum
PEPPERWEED, VIRGINIA	Lepidium virginicum
PIGWEED, REDROOT	Amaranthus retroflexus
POINSETTIA, WILD	Euphorbia heterophylla
PURSLANE, COMMON	Portulaca oleracea
SESBANIA, HEMP	Sesbania exaltata
SHEPHERDSPURSE	Capsella bursa-pastoris
SIDA, PRICKLY (TEAWEED)	Sida spinosa
SMARTWEED, PENNSYLVANIA	Polygonum pensylvanicum
SOWTHISTLE, ANNUAL	Sonchus oleraceus
VELVETLEAF	Abutilon theophrasti

WEEDS CONTROLLED PREEMERGENCE

CAMPHORWEED	Heterotheca subaxillaris
CUDWEED, NARROWLEAF	Gnaphalium falcatum
**EVENINGPRIMROSE, CUTLEAF	Oenothera laciniata
GROUNDCHERRY, CUTLEAF	Physalis angulata
JIMSONWEED	Datura stramonium
LAMBSQUARTERS, COMMON	Chenopodium album
NIGHTSHADE, AMERICAN BLACK	Solanum nodiflorum
NIGHTSHADE, BLACK	Solanum nigrum
PEPPERWEED, VIRGINIA	Lepidium virginicum
PIGWEED, REDROOT	Amaranthus retroflexus
POINSETTIA, WILD	Euphorbia heterophylla
SIDA, PRICKLY	Sida spinosa
SMARTWEED, PENNSYLVANIA	Polygonum pensylvanicum
SOWTHISTLE, ANNUAL	Sonchus oleraceus
SPURGE, PROSTRATE	Euphorbia supina
SPURGE, SPOTTED	Euphorbia maculata
VELVETLEAF	Abutilon theophrasti

* Maximum 0.5 inch diameter

**Highest rate and/or multiple applications may be required for acceptable control. Do not apply more than 10 pints (2.0 lb. active) per broadcast acre of GOAL 1.6E herbicide in one season.

TIMING AND METHOD OF APPLICATION

Dormancy determines the suitability and safety of using GOAL 1.6E herbicide on cherry, peach and grape plantings. Do not apply GOAL 1.6E herbicide after buds start to swell or when foliage or fruit are present.

As a preemergence treatment, apply in a minimum of 40 gallons of water per acre. Use higher volumes to assure adequate coverage in high densities of emerged weeds or heavy trash. Best preemergence results are achieved when spray is applied to a relatively weed-free soil surface or berm. GOAL 1.6E herbicide should be directed to the soil and the base of dormant trees or vines. Use a low-pressure sprayer equipped with a break-away boom and flat fan nozzles. An off-center (OC) nozzle positioned at the end of the boom may be desired. Spray equipment should be calibrated carefully before each use. See SPECIFIC USE RESTRICTIONS for GOAL 1.6E herbicide application on dormant tree or vine plantings.

SPRAY VOLUME:

Weed Stage	Gallons of Water Per Acre
Early Postemergence (weeds up to 4 leaf stage)	40 or more
Postemergence (weeds up to 6 leaf stage)	100 or more
Preemergence	40 or more

MIXING DIRECTIONS: Fill the spray tank at least one-third full of clean water and add the recommended amount of GOAL 1.6E herbicide while the pump and agitator are running. Complete filling of the spray tank with water and add 1 quart of a nonionic surfactant such as TRITON® AG-98, or comparable 80% active nonionic surfactant cleared for application to growing crops, per each 100 gallons of spray. Maintain agitation until spraying is completed.

CULTURAL CONSIDERATIONS: In order to provide maximum effectiveness of preemergence activity of GOAL 1.6E herbicide, the berm or soil surface should be smooth and free of crop or weed trash (decaying leaves, clippings, dead weeds, etc.). Leaves and trash may be removed by blowing the area to be treated or by thoroughly mixing the trash into the soil through cultivation prior to herbicide application.

For best preemergence activity, at least one-quarter inch (1/4 inch) of irrigation water should be applied within 3 to 4 weeks after application if no rainfall occurs.

Cultural practices which result in redistribution or disturbance of the soil surface after treatment will decrease the herbicidal effectiveness of GOAL 1.6E. Cutting water furrows or cultivations that mix untreated soil into treated areas will also reduce the effectiveness of the treatment. The best results are from applications to soil surfaces or berms which are left undisturbed during the time period for which weed control is desired.

SPECIFIC USE RESTRICTIONS - GOAL 1.6E HERBICIDE

The following specific use restrictions should be observed when GOAL 1.6E herbicide is used alone or in any tank mix spray combination recommended on this label. Follow GENERAL USE RESTRICTIONS on the GOAL 1.6E herbicide label.

- Do not apply to grapes established less than 3 years unless vines are on the trellis wire a minimum of 3 feet above the soil surface.

- Apply only to dormant fruit or vines. Dormancy determines the suitability and safety of using GOAL 1.6E herbicide on treefruit and vines. Do not apply after buds start to swell or when foliage or fruit/nuts are present.

- Do not apply more than 10 pints (?.0 lb. active) per broadcast acre of GOAL 1.6E herbicide in one season.

- Do not apply to grapes which are not staked or trellised unless grapes are free-standing.

- GOAL 1.6E herbicide or any of the tank mix combinations recommended on this label should be applied to only healthy growing trees or vines.

- Direct spray toward the base of trees or vines. Avoid direct plant contact.

TANK MIXES WITH GOAL 1.6E 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 mixture, the most restrictive situations must apply.

DOSAGE

For postemergence control of susceptible grassy and broadleaf weeds in certain dormant treefruit and vines, a tank mixture of GOAL 1.6E herbicide with either paraquat or Roundup can be used. Apply at the recommended rates and growth stages to susceptible weed species in a manner described on the respective labels.

For preemergence control of susceptible grassy weeds in certain dormant tree fruit and vines, a tank mixture of GOAL 1.6E herbicide with either Devrinol, KERB, simazine, or Surflan may be applied. Contact herbicides such as paraquat or Roundup may be added to the tank mixture. Apply at the recommended rates and growth stages to susceptible weed species in a manner described on the respective labels.

WEEDS CONTROLLED PREEMERGENCE

When GOAL 1.6E herbicide is tank mixed with Devrinol 50-WP and applied preemergence, in addition to the weeds controlled preemergence by GOAL 1.6E alone, control of the following weeds is also obtained.

BARNYARDGRASS (WATERGRASS)	Echinochloa crus-galli
BLUEGRASS, ANNUAL	Poa annua
BROME, RIPGUT	Bromus rigidus
CHICKWEED, COMMON	Stellaria media
CRABGRASS, LARGE (HAIRY)	Digitaria sanguinalis
PINEAPPLEWEED	Matricaria matricarioides

When GOAL 1.6E herbicide is tank mixed with KERB, in addition to the weeds controlled preemergence by GOAL 1.6E alone, control of the following weeds is also obtained.

BLUEGRASS, ANNUAL	Poa annua
BLUEGRASS, KENTUCKY	Poa pratensis
CHICKWEED, COMMON	Stellaria media
ORCHARDGRASS	Dactylis glomerata
QUACKGRASS	Agropyren repens
RYEGRASS, PERENNIAL	Lolium perene

When GOAL 1.6E herbicide is tank mixed with simazine and applied preemergence, in addition to the weeds controlled preemergence by GOAL 1.6E alone, control of the following weeds is also obtained.

BARNYARDGRASS (WATERGRASS)	Echinochloa crus-galli
BLUEGRASS, ANNUAL	Poa annua
CHICKWEED, COMMON	Stellaria media
CRABGRASS, LARGE (HAIRY)	Digitaria sanguinalis
CRABGRASS, SMOOTH	Digitaria ischaemum
HORSEWEED (MARESTAIL)	Conyza canadensis

When GOAL 1.6E herbicide is tank mixed with Surflan and applied preemergence, in addition to the weeds controlled preemergence by GOAL 1.6E alone, control of the following weeds is also obtained.

BARNYARDGRASS (WATERGRASS)	Echinochloa crus-galli
BLUEGRASS, ANNUAL	Poa annua
CHICKWEED, COMMON	Stellaria media
CRABGRASS, LARGE (HAIRY)	Digitaria sanguinalis
CRABGRASS, SMOOTH	Digitaria ischaemum
CUPGRASS, SOUTHWESTERN	Eriochloa gracilis

WEEDS CONTROLLED POSTEMERGENCE

When GOAL 1.6E herbicide is tank mixed with paraquat or Roundup and applied postemergence, in addition to the weeds controlled postemergence by GOAL 1.6E alone, control of the following weeds is also obtained.

BARNYARDGRASS (WATERGRASS)	Echinochloa crus-galli
BLUEGRASS, ANNUAL	Poa annua
BROME, RIPGUT	Bromus rigidus
CHICKWEED, COMMON	Stellaria media
HORSEWEED (MARESTAIL)	Conyza canadensis
ROCKET, LONDON	Sisymbrium irio

APPLICATION: As a preemergence and/or postemergence treatment, apply in a minimum of 40 gallons of water per acre depending upon density of emerged weeds. Spray coverage is essential for good postemergence weed results. Best preemergence results are achieved when spray is applied to a relatively weed-free soil surface or berm. Tank mixtures containing GOAL 1.6E herbicide should be directed to the soil and the base of trees or dormant vines. Use a low-pressure sprayer equipped with a break-away boom and flat fan nozzles. An off-center (OC) nozzle positioned at the end of the boom may be desired. Spray equipment should be calibrated carefully before each use.

MIXING DIRECTIONS: Fill the spray tank at least one-third full of clean water. With the pump and agitator running, add the recommended amount of Devrinol, KERB, simazine or Surflan to the spray tank. Then add the recommended amounts of GOAL 1.6E herbicide and paraquat or Roundup during the filling operation. Complete filling of the spray tank with water and then add 1 quart of a nonionic surfactant such as TRITON AG-98 or comparable 80% active nonionic surfactant cleared for application to growing crops, per each 100 gallons of spray. Maintain agitation until spraying is completed.

CULTURAL CONSIDERATIONS: In addition to details previously listed under "GOAL 1.6E Herbicide Used Alone", read all individual manufacturers' labels. In interpreting all labels for the tank mixture, the most restrictive label specifications must apply.

SPECIFIC USE RESTRICTIONS - GOAL 1.6E Herbicide Tank Mixes

In addition to the following, also observe all specific use restrictions previously listed under "GOAL 1.6E Herbicide Used Alone" and the GENERAL USE RESTRICTIONS on the GOAL 1.6E label.

- 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], KERB[R] and TRITON[R] AG-98 are registered trademarks of Rohm and Haas Company
DEVRINOL[R] is a registered trademark of Stauffer Chemical Company
GRAMOXONE[R] is a registered trademark of ICI Americas, Inc.
ORTHO[R] is a registered trademark of the Chevron Chemical Company
ROUNDUP[R] is a registered trademark of Monsanto Company
SURFLAN[R] is a registered trademark of the Elanco Products Company

JAH:mel
(1210H/53Z)
10/11/84

OCT 26 1984

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

Dear Dr. Rogerson:

Subject: Amendment - Aerial Application to Fallow Beds
Goal 2E Herbicide
EPA Registration No. 707-145
Goal 1.6E Herbicide
EPA Registration No. 707-174
Your Submissions of June 14 and August 30, 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. Delete references to paraquat from tank mix instructions (page 1, 2, 3, 4).

   b. Delete reference to ground application equipment on page 4 since this labeling is specifically for aerial application.

2. Submit one (1) copy of final printed labeling before you release the product for shipment.

Our exposure assessment review and a stamped copy of labeling are enclosed for your records.

Sincerely yours,

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

Enclosure

RD:DCR-50748:Mountfort:RD-6A:KIM:Kendrick:898-1270:10/24/84:Del.11/01/84

CONCURRENCES								
SYMBOL ▶								
SURNAME ▶								
DATE ▶								

EPA Form 1320-1 (4-81)

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ROHM AND HAAS COMPANY
INDEPENDENCE MALL WEST
PHILADELPHIA, PENNSYLVANIA 19105

EPA Reg. No. 707-174-AA
EPA Est. No. 707-PA-1

Supplemental Labeling for Aerial Application of
GOAL^{R} 1.6E Herbicide on Fallow Beds

Add directions to paragraph 4 ACCEPTED with comments

In accordance with the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, for the pesticide registered under EPA Reg. No. 707-174

For use only in California and Arizona

TREATMENTS MUST BE MADE OCTOBER 1 THROUGH FEBRUARY 15.

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 1.6E is effective as a preemergence and/or postemergence herbicide when used alone or in a tank mix combination with Roundup^{R} or paraquat (Gramoxone^{R} or Ortho^{R} 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.

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

Cotton can be planted 14 days or more following a GOAL 1.6E herbicide fallow bed application.

GOAL 1.6E HERBICIDE USED ALONE
DOSAGE

GOAL 1.6E herbicide used at 1.25 to 2.5 pints (0.25 to 0.5 lb. active) per broadcast acre. The lower rate (1.25 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 (2.5 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 1.6E 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
LETTUCE, MINERS	Montia perfoliata
MUSTARD, BLACK	Brassica nigra
NETTLE, BURNING	Urtica urens
REDMAIDS	Calandrinia caulescens
ROCKET, LONDON	Sisymbrium irio
SOWTHISTLE, ANNUAL	Sonchus oleraceus

GOAL 1.6E 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 1.6E herbicide with Roundup or paraquat for postemergence control is recommended.

AERIAL APPLICATION

GOAL 1.6E herbicide should be applied using swirl jet or hollow cone nozzles and a spray pressure below 40 psi to deliver a minimum of 10 gallons of water per acre. 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 OR 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:

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

   - 650 feet from garlic, jojoba, legumes, onions, pastures, small grains, seedling sugarbeets, and vegetable fallow beds.

3. Whe nd speeds are between 5 to 10 mph, downwind buffer zones in exc 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 reduce drift hazard; however, the drift control agent may also decrease the weed control activity. The user will assume all risks as a result of using a drift control agent.

IMPORTANT:
Aerial applicators must be familiar with the EPA registered label and follow the use precautions. Spraying GOAL 1.6E 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 1.6E 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 1.6E 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 1.6E. The best results from GOAL 1.6E 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 1.6E HERBICIDE - TANK MIXES
DOSAGE

GOAL 1.6E herbicide can be tank mixed with paraquat or Roundup to obtain postemergence control of annual grassy weeds. Tank mix 1.25 to 2.5 pints (0.25 to 0.5 lb. active) of GOAL 1.6E herbicide with 1 to 2 quarts (0.5 to 1.0 lb. active) of paraquat or 0.5 to 1.0 pint (0.25 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 DIRECTIONS

Fill the spray tank at least one-third full of clean water and add the recommended amounts of GOAL 1.6E 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.

FALLOW BED - SPECIFIC USE RESTRICTIONS

- Follow General Use Restrictions listed on the GOAL 1.6E herbicide label.
- 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 AERIALLY APPLY GOAL 1.6E HERBICIDE (EITHER ALONE OR IN ANY COMBINATION RECOMMENDED ON THIS LABEL) TO FALLOW BEDS BEFORE OCTOBER 1 OR AFTER FEBRUARY 15.
- Do not apply more than 2.5 pints (0.5 lb. active) of GOAL 1.6E herbicide per acre, per fallow season.
- Do not apply GOAL 1.6E herbicide within 14 days of planting.
- Do not rotate to any crops other than cotton or soybeans for 10 months following a GOAL 1.6E herbicide fallowbed application.

GOAL^{R} 1.6E and TRITON AG-98 are registered trademarks of Rohm and Haas Company.

GRAMOXONE^{R} is a registered trademark of ICI Americas Inc.

ROUNDUP^{R} is a registered trademark of Monsanto Company.

ORTHO^{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
(9110E/129Z)
2/23/84

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, provided that you:

is acceptable

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.

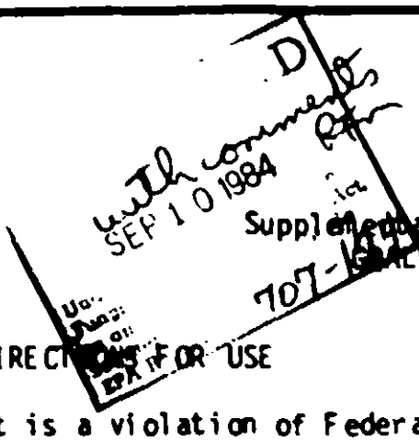
A stamped copy of the labeling is enclosed for your records.

Sincerely yours,

Richard P. Mountfort
Product Manager (23)
Fungicide-Herbicide Branch
Registration Division (TS-7)

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

ROHM AND HAAS COMPANY
INDEPENDENCE MALL WEST
PHILADELPHIA, PENNSYLVANIA 19105



EPA Reg. No. 707-174-AA
EPA Est. No. 707-PA-1

Supplemental Labeling for Ground Application of GOAL® 1.6E 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 1.6E 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 1.6E herbicide fallow bed application.

GOAL 1.6E HERBICIDE USED ALONE
DOSAGE

GOAL 1.6E herbicide should be used at 1.25 to 2.5 pints (0.25 to 0.5 lb. active) per broadcast acre. The lower rate (1.25 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 (2.5 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 1.6E herbicide will 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 1.6E 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 1.6E herbicide with Roundup or paraquat for postemergence control is recommended.

METHOD OF APPLICATION

GOAL 1.6E 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 1.6E 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 1.6E 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 1.6E. The best results from GOAL 1.6E herbicide are from applications to established beds or soil surfaces which are left undisturbed during the time period for which weed control is desired.

16

GOAL 1.6E HERBICIDE SPECIFIC USE RESTRICTIONS

The following use restrictions should be observed when GOAL 1.6E herbicide is used as recommended on this label. Follow General Use Restrictions listed on the GOAL 1.6E herbicide label.

- Do not apply more than 2.5 pints (0.5 lb. active) of GOAL 1.5E herbicide per acre, per fallow season.
- Do not apply GOAL 1.6E herbicide within 14 days of planting.
- Do not rotate to any crops other than cotton or soybeans for 10 months following a GOAL 1.6E herbicide fallowbed application.

TANK MIXES WITH GOAL 1.6E 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 1.6E herbicide can be tank mixed with paraquat or Roundup to obtain postemergence control of annual grassy weeds. Tank mix 1.25 to 2.5 pints (0.25 to 0.5 lb. active) of GOAL 1.6E 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 DIRECTIONS

Fill the spray tank at least one-third full of clean water and add the recommended amounts of GOAL 1.6E 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 1.6E 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 1.6E HERBICIDE/TANK MIXES

In addition to the following, also observe all specific use restrictions previously listed under GOAL 1.6E Herbicide Used Alone. Follow General Use Restrictions listed on the GOAL 1.6E herbicide label.

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

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:pek
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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

JUL 27 1984

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

Dear Mr. Rogerson:

Subject: Amendments: Soybeans: Revised
Directions for Use
Goal 2E Herbicide
EPA Registration No. 707-165
Goal 1.6E Herbicide
EPA Registration No. 707-174
Your Submission of May 17, 1984

The amendment referred to above, submitted in connection with registration under FIFRA, 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 "Specific Environmental Hazards..." Section.

      The field study, at site D-213 which was described as prone to severe erosion, showed evidence of oxyflurofen moving to the adjacent pond. This together with the environmental fate data and toxicity information does not support the proposed deletion but supports the statements as they appears on the accepted labeling.

   b. On the Goal 1.6E label reinstate the post bloom restriction.

      The previously submitted residue data apparently have no samples reflecting bloom application. This use could result in over-tolerance residues in long growing soybean varieties.

   c. Where the directions specify "planned herbicide program" or "preplant incorporated grass herbicide" modify the statements to indicate herbicides registered for use on soybeans.

   d. In the tank mix direction under paraquat and Roundup delete rates for muck or peat soils since Goal can not be used on these soils.

CONCURRENCES

SYMBOL ▶							
SURNAME ▶							
DATE ▶							

EPA Form 1320-1 (4-81)

OFFICIAL FILE COPY

e. Modify "Not label" to a statement similar to "Do Not Use" since this phrase is not clear.

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,

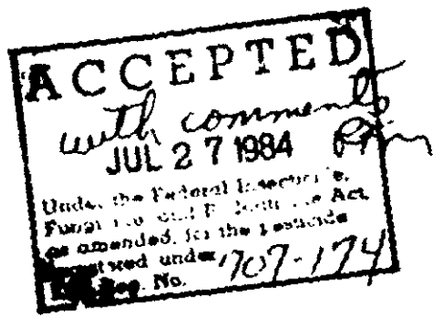
Richard F. Mountfort
Product Manager (23)
Fungicide-Herbicide Branch
Registration Division (TS-767)

Enclosure

RD/FHB:Mountfort:DCR-32371:WANG-0303K:KIM:Raven:479-2013:7/25-8/10/84

COMPANY
INDEPENDENCE MALL WEST
PHILADELPHIA, PENNSYLVANIA 19105

GOAL[R] 1.6E Herbicide
EPA Reg. No. 707-174
Use on Soybeans
Revised Directions for Use



These Directions for Use on Soybeans will replace those on our latest EPA approved label (February 9, 1983).

ROHM AND HAAS COMPANY
INDEPENDENCE MALL WEST
PHILADELPHIA, PENNSYLVANIA 19105

EPA Reg. No. 707-174-AA
EPA Est. No. 707-PA-1

DIRECTIONS FOR USE
SOYBEAN
(NOT FOR USE IN CALIFORNIA)

GENERAL INFORMATION

GOAL 1.6E is effective as a preemergence and postemergence (postdirect) herbicide for the control of broadleaf weeds in soybeans. Applications can be made early preplant in conservation tillage soybeans, preemergence in no-till (double crop) and conventional soybeans, or postdirect in conventional till soybeans. Seedling weeds are controlled as they come in contact with the herbicide either during emergence or through a postdirect application. Follow specific use directions and restrictions for recommended use and timing of applications.

Soybeans are tolerant to preemergence applications of recommended dosages of GOAL 1.6E herbicide, however, under certain conditions, GOAL 1.6E herbicide can cause temporary injury. Heavy splashing rain shortly after crop emergence or cold, wet soil conditions during early growth stages can produce leaf cupping and crinkling. When injury occurs, it is generally limited to the first few leaves that develop shortly after crop plants emerge from the soil. Soybeans recover from this injury and yields are not adversely affected. Soybean leaves that are accidentally sprayed during a postdirect application will exhibit necrotic spotting and injury to the soybean plant. Therefore, care must be exercised to avoid spray contact with the soybean leaves.

WEEDS CONTROLLED PREEMERGENCE

GOAL 1.6E herbicide used alone, at recommended dosages, provides preemergence control of the following broadleaf weeds:

GROUNDCHERRY, CUTLEAF	Physalis angulata
JIMSONWEED	Datura stramonium
LAMBSQUARTERS, COMMON	Chenopodium album
NIGHTSHADE, AMERICAN BLACK	Solanum nodiflorum
NIGHTSHADE, BLACK	Solanum nigrum
PIGWEED, REDROOT	Amaranthus retroflexus
POINSETTIA, WILD	Euphorbia heterophylla
SHEPHERDSPURSE	Capsella bursa-pastoris
SOWTHISTLE, COMMON	Sonchus oleraceus
SIDA, PRICKLY (TEAWEED)	Sida spinosa
SMARTWEED, PENNSYLVANIA	Polygonum pensylvanicum
VELVETLEAF	Abutilon theophrasti

WEEDS CONTROLLED POSTEMERGENCE (POSTDIRECTED APPLICATION)

GOAL 1.6E herbicide, when applied as a postdirect application at recommended dosages to seedling weeds (not exceeding the 4 leaf stage), will provide postemergence control of the following broadleaf weeds:

COCKLEBUR, COMMON	Xanthium pensylvanicum
GROUNDCHERRY, CUTLEAF	Physalis angulata
GROUNDCHERRY, WRIGHT	Physalis wrightii
JIMSONWEED	Datura stramonium
LAMBSQUARTERS, COMMON	Chenopodium album
MORNINGGLORY, ANNUAL	Ipomoea species
NIGHTSHADE, AMERICAN BLACK	Solanum nodiflorum
NIGHTSHADE, BLACK	Solanum nigrum
PIGWEED, REDROOT	Amaranthus retroflexus
*POINSETTIA, WILD	Euphorbia heterophylla
PURSLANE, COMMON	Portulaca oleracea
SESBANIA, HEMP	Sesbania exaltata
SHEDPHERDSPURSE	Capsella bursa-pastoris
SIDA, PRICKLY (TEAWEED)	Sida spinosa
SMARTWEED, PENNSYLVANIA	Polygonum pensylvanicum
VELVETLEAF	Abutilon theophrasti

*Multiple applications may be required for acceptable control.

Two pints of TRITON^{R} AG-98 or comparable 80% active nonionic surfactant cleared for application to growing crops, per each 100 gallons of spray solution are suggested in all tank mixtures containing GOAL 1.6E herbicide where postemergence weed control is desired.

DOSAGE AND TIMING

CONSERVATION TILLAGE SOYBEANS - EARLY PREPLANT

GOAL 1.6E herbicide is effective for preemergence and postemergence control of susceptible broadleaf weeds when surface applied at 1.9 to 3.75 pints (0.38 to 0.75 lb. active) per broadleaf acre to the stale seedbed prior to the planting of conservation tillage soybeans. It is suggested that applications be made approximately 14 days prior to planting. The higher rate of 2.5 to 3.75 pints (0.5 to 0.75 lb. active) will assist in early season annual grass control. However, GOAL 1.6E herbicide must not be a basic portion of the grass herbicide program. A planned herbicide program for early preplant, preemergence or postemergence grass control is recommended.

The use of ridge or slot planters or other planting equipment that results in minimal soil disturbance is recommended. Soil surfaces should not be disturbed as the herbicidal effectiveness of GOAL 1.6E may be decreased. Seedling weeds are controlled as they come in contact with the soil applied herbicide during emergence.

NO-TILL (DOUBLE CROP) SOYBEANS - PREEMERGENCE

GOAL 1.6E herbicide is effective for preemergence and postemergence control of susceptible broadleaf weeds when applied at 1.9 to 2.5 pints (0.38 to 0.5 lb. active) per broadcast acre.

For postemergence control of certain grassy and broadleaf weeds a tank mix of either paraquat (Gramoxone^{R} or Ortho^{R} paraquat) or Roundup^{R} with GOAL 1.6E herbicide can be used.

For residual grass control in no-till soybeans, a tank mixture of either Bronco^{TM}, Dual^{R}, Lasso^{R}, or Surflan^{R} with GOAL 1.6E herbicide or combinations of GOAL 1.6E herbicide plus paraquat or Roundup can be used. Follow specific use directions and restrictions for these combination tank mixes.

Application should be made within one day after planting. Later applications may result in severe crop injury and are not recommended.

CONVENTIONAL TILLED SOYBEANS - PREEMERGENCE

GOAL 1.6E herbicide is effective for preemergence control of susceptible broadleaf weeds when applied at 1.25 to 1.9 pints (0.25 to 0.38 lb. active) per broadcast acre. Application should be made within one day of planting. Later applications may result in severe crop injury and are not recommended. The higher rate (0.38 lb. active) will assist in early season annual grass control. However, GOAL 1.6E herbicide must not be a basic portion of the grass herbicide program. GOAL 1.6E herbicide may be applied alone as a preemergence application following a preplant incorporated grass herbicide treatment or as a tank mix in a preemergence application with Dual, Lasso or Surflan.

TANK MIXES WITH GOAL 1.6E HERBICIDE

IMPORTANT: Read and observe all label directions before using. When tank mixing, always read all ind
manufacturers' labels. In interpreting all labels for the tank mixture, the most restrict
must apply.

DOSAGE

Refer to the following tables for labeled use rates

NO-TILL (DOUBLE CROP) SOYBEANS - PREEMERGENCE

	RATE OF PRODUCT PER BROADCAST ACRE (PINTS PER ACRE)					
SOIL TEXTURE	GOAL 1.6E	Dual 8E*	Lasso 4E*	Surflan A.S.**	paraquat	Rou
Coarse	1.9	1.5	4.[illegible] to 5.0	1.5	1.0 to 2.0	2.0
Medium	2.5	2.0	5.0 to 6.0	2.0	1.0 to 2.0	2.0
Fine	2.5	2.0 to 2.5	5.0 to 6.0	3.0	1.0 to 2.0	2.0
Muck or Peat	***	***	***	***	1.0 to 2.0	2.0

CONVENTIONAL TILLED SOYBEANS - PREEMERGENCE

	RATE OF PRODUCT PER BROADCAST ACRE (PINTS PER ACRE)			
SOIL TEXTURE	GOAL 1.6E	Dual 8E*	Lasso 4E*	Surflan A.S.**
Coarse	1.25 to 1.9	1.25 to 1.5	3.0 to 4.0	1.0 to 1.5
Medium	1.25 to 1.9	1.5 to 2.0	4.0 to 6.0	1.5 to 2.0
Fine	1.25 to 1.9	2.0 to 2.5	4.0 to 6.0	2.0 to 2.5
Muck or Peat	***	***	***	***

*Use the higher rate of Bronco, Dual or Lasso on soils containing more than 3 percent organic matter.

**When using Surflan 75WP, multiply pints by 0.67 to obtain the amount of Surflan 75WP product require
Surflan on soils containing more than 5% organic matter.

*** Not labeled.

(7751E)/1/5/84

CRABGRASS, LARGE	Digitaria sanguinalis
FOXTAIL, GIANT	Setaria faberi
FOXTAIL, YELLOW	Setaria lutescens
JOHNSONGRASS, SEEDLING	Sorghum halepense
PANICUM, FALL	Panicum dichotomiflorum
RAGWEED, COMMON	Ambrosia artemisiifolia
SIGNALGRASS, BROADLEAF	Brachiaria platyphylla

WEEDS CONTROLLED POSTEMERGENCE

When GOAL 1.6E herbicide is tank mixed with Bronco, paraquat or Roundup and applied postemergence, in addition to the weeds controlled postemergence by GOAL 1.6E alone, control of the following weeds is also obtained:

BLUEGRASS, ANNUAL	Echinochloa crus-galli
CRABGRASS, LARGE	Digitaria sanguinalis
FOXTAIL, GIANT	Seteria faberi
FOXTAIL, GREEN	Setaria viridis
FOXTAIL, YELLOW	Setaria lutescens
LAMBSQUARTERS, COMMON	Chenopodium album
RAGWEED, COMMON	Ambrosia artemsiifolia
SANDBUR, FIELD	Cenchrus incertus

TIMING AND METHOD OF APPLICATION (ALL APPLICATIONS)

APPLICATION: As a preemergence treatment, apply in 20 to 60 gallons of water per acre. If Bronco or Roundup are included in the tank mix, apply in 20 to 40 gallons of water per acre. To insure complete coverage, spray volume should be increased as the density of emerged weeds, crop residue or stubble increases. Use conventional spray equipment with flat fan or flood jet nozzles. Spray equipment should be calibrated carefully before each use.

MIXING DIRECTIONS: Fill the spray tank at least one-third full of clean water. With the pump and agitator running, add the recommended amounts of herbicide to be used. When tank mixing with Surflan, add the flowable or a slurry of the wettable powder, to the spray tank first. The emulsifiable concentrates (EC) formulation should be added next. No particular order need be followed when adding the EC formulations. Complete filling of the spray tank with water. When postemergence weed control is desired, add two pints of TRITON AG-98 or comparable 80% active nonionic surfactant cleared for application to growing crops, per each 100 gallons of spray solution. Maintain agitation until spraying is completed.

POSTDIRECT SPRAY

GOAL 1.6E HERBICIDE USED ALONE

DOSAGE

GOAL 1.6E herbicide is recommended as a postdirect application at 1.25 pints (0.25 lb. active) per acre*. When applied to seedling weeds not exceeding 4 true leaves that are young and actively growing, do not count cotyledon leaves.

*Dosages listed are for broadcast application. For banded application, the amount of GOAL 1.6E herbicide used per acre should be reduced according to the following formula:

$$\frac{\text{Band Width (in.)}}{\text{Row Width (in.)}} \times \text{Rate per Acre Broadcast} = \text{Amount Needed per Acre for Banded Application}$$

GOAL 1.6E HERBICIDE TANK MIX

For improved broadleaf weed control, a tank mixture of GOAL 1.6E herbicide plus Butoxone® or Butyrac® 200 is suggested. Use 1.25 pints of GOAL 1.6E herbicide (0.25 lb. active) with 1 pint of Butoxone (0.22 lb. active) or 0.7 to 0.9 pint of Butyrac 200 (0.175 to 0.22 lb. active) per broadcast acre. When tank mixing, always read all individual manufacturers' labels. In interpreting all labels for the tank mixture, the most restrictive situations must apply.

Two pints of TRITON AG-98 or comparable 80% active nonionic surfactant, cleared for use on growing crops, per 100 gallons of spray solution are suggested in all tank mixtures containing GOAL 1.6E herbicide where postemergence weed control is desired.

TIMING

Soybean plant height must be a minimum 8 inches or greater. Use branch lifters or shields if excessive spray contact to the soybean plant cannot be avoided. Irrigation or rainfall should occur within two weeks of application to receive greatest benefit of preemergence activity from GOAL 1.6E herbicide on nightshade, groundcherry and wild poinsettia species.

METHOD OF APPLICATION

Accurate, uniform placement of GOAL 1.6E herbicide spray is essential for effective weed control and to minimize soybean injury. As a directed postemergence application, GOAL 1.6E herbicide should be applied at 20 to 25 psi using 20 to 40 gallons of spray on a broadcast acre basis. Spray should be directed towards the base of the soybean plant. Soybean foliage receiving accidental spray or drift may be injured. Weeds should be in the seedling stage, young and actively growing.

Fill the spray tank at least one-third full of clean water and add the recommended amount of GOAL 1.6E herbicide while the pump and agitator are running. If tank mix is desired, add recommended amount of Butoxone or Butyrac 200. Complete filling of the spray tank with water and then add 2 pints of TRITON AG-98, or comparable 80% active nonionic surfactant cleared for use on growing crops, per each 100 gallons of spray to assist in contact activity on dusty weeds. Maintain agitation until spraying is complete.

For best coverage, it is suggested to use 4 flat fan nozzles per row, 2 nozzles on each side of the row. Do not use cone nozzles. The two forward nozzles should point forward and downward while the rear nozzles should point to the rear and downward. Nozzles so adjusted should cover the weed foliage with minimum contact to the soybean plant.

SOYBEANS - 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.
- Follow General Use Restrictions listed at the end of this label.
- Do not make more than two applications of GOAL 1.6E herbicide per growing season.
- Do not apply more than 2.5 pints (0.5 lb. active) of GOAL 1.6E herbicide per acre during one growing season as a result of preemergence application in no-till (double crop) or conventional till soybeans, or post-directed in conventional till soybeans. If early preplant application is made, do not apply more than 3.75 pints (0.75 lb. active) of GOAL 1.6E herbicide per acre during one growing season.
- Do not rotate with crops other than soybeans, cotton, spearmint, or peppermint for 10 months following a GOAL 1.6E herbicide application. In the event of crop failure, do not plow field under. Field may be replanted to soybeans without tillage.
- Do not apply a postdirected application of GOAL 1.6E herbicide to soybeans within 90 days of harvest.

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BRONCO[TM] is a trademark of Monsanto Company.

BUTOXONE[R] is a registered trademark of Vertac Chemical Corporation.

BUTYRAC[R] 200 is a registered trademark of Union Carbide Corporation.

DUAL[R] is a registered trademark of Ciba-Geigy Corporation.

GRAMOXONE[R] is a registered trademark of ICI Americas Inc.

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