

**ROHM AND HAAS COMPANY**INDEPENDENCE MALL WEST  
PHILADELPHIA, PENNSYLVANIA 19105EPA Reg. No. 707-145-AA  
EPA Est. No. 707-PA-1SUPPLEMENTAL LABELING FOR GOAL<sup>®</sup> 2E HERBICIDE

## DIRECTIONS FOR USE

- DORMANT APPLICATION - CALIFORNIA AND ARIZONA ONLY  
ALMOND, APRICOT, CHERRY, FIG, NECTARINE, PEACH, PEAR, PISTACHIO, PLUM,  
PRUNE, WALNUT, AND GRAPE

## GENERAL INFORMATION

GOAL 2E is effective as a preemergence and/or postemergence herbicide when used alone or in recommended combinations, for the control of certain annual broadleaf weeds, in all almond, apricot, cherry, fig, nectarine, peach, pear, pistachio, plum, prune, walnut and grape plantings. The most effective postemergence weed control is achieved when GOAL 2E herbicide is applied to seedling weeds (less than 4 inches in height). Preemergence control is most effective when spray is applied to clean, weed-free established soil surfaces. Treated berms or soil surfaces should not be disked or disturbed in any manner as the herbicidal effectiveness of GOAL 2E may be decreased. Seedling weeds are controlled as they come in contact with the soil-applied herbicide during emergence.

For postemergence control of certain grassy and broadleaf weeds, a tank mix of either paraquat (Gramoxone<sup>®</sup> or Ortho<sup>®</sup> paraquat) or Roundup<sup>®</sup> with GOAL 2E herbicide can be used.

For residual grass control in dormant almond, apricot, cherry, fig, nectarine, peach, pear, plum, prune, walnut and grape, a tank mixture of Devrinol<sup>®</sup>, KERBR<sup>®</sup>, simazine or Surflan<sup>®</sup> with GOAL 2E herbicide or combinations of GOAL 2E herbicide plus paraquat or Roundup can be used. See specific use directions and restrictions for these combination tank mixtures.

## GOAL 2E HERBICIDE USED ALONE

## DOSAGE

GOAL 2E herbicide is recommended for postemergence control at 1.0 to 4.0 quarts (0.5 to 2.0 lb. active) per broadcast acre. The lower rate is recommended for the control of susceptible seedling weeds less than 4 inches in height. The higher rate (2.0 lb. active) should be used for weeds less than 12 inches in height. For preemergence control of susceptible weeds, use 4.0 quarts (2.0 lb. active) per broadcast acre.

## WEEDS CONTROLLED POSTEMERGENCE

CHEESEWEED (MALVA)  
FIDDLENECK, COAST  
FILAREE, BROADLEAF  
FILAREE, REDSTEM  
GROUNDSEL, COMMON  
HENBIT  
LETTUCE, MINERS  
NETTLE, BURNING  
PIGWEEED, REDROOT  
REDMAIDS  
SHEPHERDSPURSE  
SOWTHISTLE, ANNUAL

BEST  
Malva parviflora  
Amsinckia intermedia  
Erodium botrys  
Erodium cicutarium  
Senecio vulgaris  
Lamium amplexicaule  
Montia perfoliata  
Urtica urens  
Amaranthus retroflexus  
Calandrinia caulescens  
Capsella bursa-pastoris  
Sonchus oleraceus

WEEDS CONTROLLED PREEMERGENCE

BURCLOVER  
 CHEESEWEED (MALVA)  
 FIDDLENECK, COAST  
 FILAREE, BROADLEAF  
 FILAREE, REDSTEM  
 GROUNDSEL, COMMON  
 HENBIT  
 KNOTWEED, PROSTRATE  
 LAMBSQUARTERS, COMMON  
 LETTUCE, PRICKLY  
 PIGWEED, REDROOT  
 PURSLANE, COMMON  
 REDMAIDS  
 ROCKET, LONDON  
 SHEPHERDSPURSE  
 SOWTHISTLE, ANNUAL

Medicago hipida  
 Malva parviflora  
 Amsinckia intermedia  
 Erodium botrys  
 Erodium cicutarium  
 Senecio vulgaris  
 Lamium amplexicaule  
 Polygonum aviculare  
 Chenopodium album  
 Lactuca serriola  
 Amaranthus retroflexus  
 Portulaca oleracea  
 Galandrinia caulescens  
 Sisymbrium irio  
 Capsella bursa-pastoris  
 Sonchus oleraceus

Weed Stage	GOAL 2E Herbicide Rate (Per Broadcast Acre)*	Weeds Controlled
Early Postemergence (weeds up to 4 inches high)	1 quart (0.5 lb. active)	CHEESEWEED (MALVA) FIDDLENECK, COAST FILAREE, REDSTEM HENBIT REDMAIDS SHEPHERDSPURSE
Postemergence (weeds up to 8 inches high)	2 quarts (1.0 lb. active)	CHEESEWEED (MALVA) FIDDLENECK, COAST FILAREE, REDSTEM HENBIT LETTUCE, MINERS NETTLE, BURNING REDMAIDS SHEPHERDSPURSE SOWTHISTLE, ANNUAL
Late Postemergence (weeds up to 12 inches high)	4 quarts (2.0 lb. active)	CHEESEWEED (MALVA) FIDDLENECK, COAST FILAREE, BROADLEAF FILAREE, REDSTEM GROUNDSEL, COMMON HENBIT LETTUCE, MINERS NETTLE, BURNING PIGWEEED, REDROOT REDMAIDS SHEPHERDSPURSE SOWTHISTLE, ANNUAL

BEST DOCUMENT AVAILABLE

<u>Weed Stage</u>	<u>GOAL 2E Herbicide Rate (Per Broadcast Acre)*</u>	<u>Weeds Controlled</u>
Preemergence	4 quarts (2.0 lb. active)	BURCLOVER CHEESEWEEED (MALVA) FIDDLENECK, COAST FILAREE, BROADLEAF FILAREE, REDSTEM GROUNDSEL, COMMON HENBIT KNOTWEED, PROSTRATE LAMBSQUARTERS, COMMON LETTUCE, PRICKLY PIGWEEED, REDROOT PURSLANE, COMMON REDMAIDS ROCKET, LONDON SHEPHERDSPURSE SOWTHISTLE, ANNUAL

\*Dosages listed are for broadcast application. For banded application, the amount of GOAL 2E herbicide used per acre should be reduced according to the following formula.

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

**TIMING AND METHOD OF APPLICATION**

Treatments should be made October 1 through February 15. In Coachella Valley (California), do not apply to grapes after February 1.

As a preemergence treatment, apply in 50 to 200 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 established berm or soil surface. GOAL 2E 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 or off-center (OC) nozzles. Spray equipment should be calibrated carefully before each use. See USE RESTRICTIONS for GOAL 2E herbicide application on dormant tree or vine plantings.

**SPRAY VOLUME:**

<u>Weed Stage</u>	<u>Gallons of Water Per Acre</u>
Early Postemergence (weeds up to 4 inches high)	50
Postemergence (weeds up to 8 inches high)	100 to 200
Late Postemergence (weeds up to 12 inches high)	100 to 200
Preemergence	50 to 200

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 a nonionic surfactant such as TRITON<sup>®</sup> 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 2E 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 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 2E. 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 established berms or soil surfaces which are left undisturbed during the time period for which weed control is desired.

#### USE RESTRICTIONS - GOAL 2E HERBICIDE

The following use restrictions should be observed when GOAL 2E herbicide is used alone or in any spray combination recommended on this label.

- . Read and observe all label directions before using.
- . Dormancy determines the suitability and safety of using GOAL 2E herbicide on tree fruit/grapes. Should bud swell occur prior to the dates listed, GOAL 2E herbicide must not be used.
- . DO NOT APPLY GOAL 2E HERBICIDE (EITHER ALONE OR IN ANY COMBINATION RECOMMENDED ON THIS LABEL) TO TREE OR VINE PLANTINGS BEFORE OCTOBER 1 OR AFTER FEBRUARY 15. DO NOT APPLY GOAL 2E HERBICIDE (EITHER ALONE OR IN ANY COMBINATION RECOMMENDED ON THIS LABEL) TO GRAPES IN THE COACHELLA VALLEY (CALIFORNIA) BEFORE OCTOBER 1 OR AFTER FEBRUARY 1.
- . Do not apply more than 4 quarts (2.0 lb. active) per broadcast acre of GOAL 2E herbicide in one season.
- . Do not apply to grapes established less than 3 years.
- . Do not apply to grapes which are not staked or trellised unless grapes are free-standing.
- . GOAL 2E herbicide or any of the combinations recommended on this label should be applied to only healthy growing trees or vines.
- . Apply only to dormant fruit or nut trees or vines. Do not apply after buds start to swell or when foliage or fruit/nuts are present.

BEST DOCUMENT AVAILABLE

- . Do not apply when weather conditions favor drift. Avoid drift to all non-target areas. GOAL 2E herbicide is phytotoxic to plant foliage.
- . Direct spray toward the base of tree or vines. Avoid direct plant contact.
- . Do not feed or graze animals on any areas treated with GOAL 2E herbicide.
- . 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.
- . GOAL 2E herbicide should be applied only by ground application equipment.
- . Thoroughly flush spray equipment (tank, pump, hoses and boom) with water before and after each use. Residual GOAL 2E herbicide remaining in the spray equipment may damage other crops.
- . Use GOAL 2E herbicide only for recommended purposes and at recommended rates.

#### TANK MIXES WITH GOAL 2E HERBICIDE

For preemergence control of susceptible grassy weeds in certain dormant tree fruit, nut crops and grapes, a tank mix of either Devrinol, KERB, simazine, or Surflan can be applied.

For postemergence control of certain grassy and broadleaf weeds, a tank mix of either paraquat or Roundup with GOAL 2E herbicide or combinations of GOAL 2E herbicide plus Devrinol, KERB, simazine or Surflan can be used.

**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

Refer to the following tables for labeled use rates.

RATE OF PRODUCT PER ACRE

CROP	GOAL 2E	Devrinol 50-WP	KERB 50-W	simazine 80-W*	Surflan 75-W**	paraquat	Roundup
Almond	1 to 4 qts.	8 lbs.	Not Labeled	1 1/4 to 2 1/2 lb.***	2 2/3 to 5 1/3 lbs.	1 qt.	1 to 2 qts.
Apricot	1 to 4 qt.	8 lbs.	Not Labeled	Not labeled	2 2/3 to 5 1/3 lbs.	1 qt.	1 to 2 qts.
Cherry	1 to 4 qt.	8 lbs.	2 to 8 lbs.	2 to 5 lbs.	2 2/3 to 5 1/3 lbs.	1 qt.	1 to 2 qts.
Fig	1 to 4 qts.	8 lbs.	Not Labeled	Not labeled	2 2/3 to 5 1/3 lbs.	1 qt.	1 to 2 qts.
Nectarine	1 to 4 qts.	8 lbs.	2 to 8 lbs.	Not labeled	2 2/3 to 5 1/3 lbs.	1 qt.	1 to 2 qts.
Peach	1 to 4 qts.	8 lbs.	2 to 8 lbs.	1 1/4 to 2 1/2 lbs.***	2 2/3 to 5 1/3 lbs.	1 qt.	1 to 2 qts.
Pear	1 to 4 qts.	8 lbs.	2 to 8 lbs.	2 1/2 to 5 lbs.	2 2/3 to 5 1/3 lbs.	1 qt.	1 to 2 qts.
Pistachio	1 to 4 qts.	8 lbs.	Not Labeled	Not labeled	2 2/3 to 5 1/3 lbs.	Not labeled	1 to 2 qts.
Plum	1 to 4 qts.	8 lbs.	2 to 8 lbs.	2 to 5 lbs.	2 2/3 to 5 1/3 lbs.	1 qt.	1 to 2 qts.
Prune	1 to 4 qts.	8 lbs.	2 to 8 lbs.	Not labeled	2 2/3 to 5 1/3 lbs.	1 qt.	1 to 2 qts.
Walnut	1 to 4 qts.	8 lbs.	Not Labeled	2 1/2 to 5 lbs.	2 2/3 to 5 1/3 lbs.	1 qt.	1 to 2 qts.
Grapes	1 to 4 qts.	8 lbs.	2 to 8 lbs.	2 1/2 to 6 lbs.	2 2/3 to 5 1/3 lbs.	1 qt.	1 to 2 qts.

\* GOAL 2E herbicide can also be tank mixed with Princep 80-W, Princep 4L and Caliber(R) 90. When tank mixing with these formulations, adjust the amount of product used to conform with labeled recommendations.

\*\* GOAL 2E herbicide can also be tank mixed with Surflan A.S. Multiply the rate of Surflan 75W by 0.75 to obtain the number of quarts of Surflan A.S. required.

\*\*\* Per treated acre in a 2 to 4 ft. band on each side of the tree row.

Herbicide rates listed are for broadcast application unless otherwise noted. For banded application, the amount of herbicide used per acre should be reduced as outlined under "GOAL 2E Herbicide Used Alone".

For preemergence control of susceptible weeds, use 4 quarts (2.0 lb. active) of GOAL 2E herbicide per broadcast acre.

WEEDS CONTROLLED PREEMERGENCE

When GOAL 2E herbicide is tank mixed with Devrinol 50-WP and applied preemergence, in addition to the weeds controlled preemergence by GOAL 2E 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 2E herbicide is tank mixed with KERB in addition to the weeds controlled preemergence by GOAL 2E 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 perenne

When GOAL 2E herbicide is tank mixed with Surflan and applied preemergence, in addition to the weeds controlled preemergence by GOAL 2E 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

When GOAL 2E herbicide is tank mixed with simazine and applied preemergence, in addition to the weeds controlled preemergence by GOAL 2E 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

#### WEEDS CONTROLLED POSTEMERGENCE

When GOAL 2E herbicide is tank mixed with paraquat or Roundup and applied postemergence, in addition to the weeds controlled postemergence, by GOAL 2E 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 treatment, apply in 50 to 200 gallons of water per acre depending upon density of emerged weeds. Best preemergence results are achieved when spray is applied to a relatively weed-free established berm or soil surface. Tank mixtures containing GOAL 2E herbicide should be directed to the soil and the base of trees or dormant grape vines. Use a low-pressure sprayer equipped with a break-away boom and flat fan or off-center (OC) 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 amount of Devrinol, KERB, simazine or Surflan to the spray tank. Then add the recommended amounts of GOAL 2E 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 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 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<sup>R</sup>, KERB<sup>R</sup> and TRITON<sup>R</sup> AG-98 are registered trademarks of Rohm and Haas Company  
DEVINOL<sup>R</sup> is a registered trademark of Stauffer Chemical Company  
GRAMOXON<sup>R</sup> is a registered trademark of ICI Americas, Inc.  
ORTHOR is a registered trademark of the Chevron Chemical Company  
PRINCEP<sup>R</sup> and CALIBER<sup>R</sup> are registered trademarks of the CIBA-GEIGY Corporation  
ROUNDUP<sup>R</sup> is a registered trademark of Monsanto Company  
SURFLAN<sup>R</sup> is a registered trademark of the Elanco Products Company

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## SUPPLEMENTAL LABELING FOR GOAL 2E HERBICIDE

DIRECTIONS FOR USE  
COTTON  
POST-DIRECTED SPRAY

## GENERAL INFORMATION

GOAL 2E is a selective herbicide for use as a post-directed application for broadleaf weed control in cotton. Cotton leaves that are accidentally sprayed will exhibit necrotic spotting and may drop from the plant, therefore, care must be exercised to avoid spray contact with the cotton leaves.

GOAL 2E herbicide may be applied to cotton grown in the Southern Cotton States (Alabama, Arkansas, Georgia, Louisiana, Mississippi, Missouri, New Mexico, North Carolina, Oklahoma, South Carolina, Tennessee and Texas) and in the Western Cotton States (Arizona and California). For specific use instructions, see Geographic Location Use Directions.

## WEEDS CONTROLLED POSTEMERGENCE

When GOAL 2E herbicide is applied as a post-directed application at the recommended weed stage and dosage in cotton, the following weeds are controlled:

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
PIGWEEED, REDROOT	Amaranthus retroflexus
*POINSETTIA, WILD	Euphorbia heterophylla
PURSLANE, COMMON	Portulaca oleracea
SESBANIA, HEMP	Sesbania exaltata
SIDA, PRICKLY (TEAWEED)	Sida spinosa
SMARTWEED, PENNSYLVANIA	Polygonum pensylvanicum
VELVETLEAF	Abutilon theophrasti

\* Multiple applications may be required for acceptable control.

## GEOGRAPHIC LOCATION USE DIRECTIONS

## DOSAGE (SOUTHERN AND WESTERN COTTON)

GOAL 2E herbicide is recommended as a post-directed application at 1 to 2 pints (0.25 to 0.5 lb. active) per acre\*. Optimum control is achieved

when 2 pints of GOAL 2E herbicide (0.5 lb. active) per acre\* is applied to weed seedlings not exceeding 4 true leaves. Effective control of succulent weed seedlings in the 2 to 3 leaf stage can usually be obtained when 1 pint of GOAL 2E herbicide (0.25 lb. active) per acre\* is applied. Weeds should be in the seedling stage, young and actively growing. Do not count cotyledon leaves.

\*Dosages listed are for broadcast application. For banded application, the amount of GOAL 2E herbicide used per acre should be reduced according to the following formula:

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

#### TIMING

##### SOUTHERN COTTON

(ALABAMA, ARKANSAS, GEORGIA, LOUISIANA, MISSISSIPPI, MISSOURI, NEW MEXICO, NORTH CAROLINA, OKLAHOMA, SOUTH CAROLINA, TENNESSEE AND TEXAS)

Cotton plant height must be a minimum 6 inches or greater. Application to cotton plants less than 6 inches tall may result in severe crop injury and is not recommended. In cotton 6 to 8 inches tall, GOAL 2E herbicide must be applied using precision ground sprayer equipment with fenders or shields to avoid spray contact with cotton foliage. Use branch lifters or shields if excessive spray contact on larger cotton plants (8 inches or greater) cannot be avoided by the directed spray.

##### WESTERN COTTON

(ARIZONA AND CALIFORNIA)

Cotton plant height must be a minimum 8 inches or greater. Use branch lifters or shields if excessive spray contact to the cotton plant cannot be avoided. To obtain the maximum benefit of postemergence activity, encourage weed emergence by irrigating prior to spraying. Irrigate within two weeks following herbicide application to obtain greatest benefit of preemergence activity from GOAL 2E herbicide on nightshade and groundcherry species.

#### METHOD OF APPLICATION (SOUTHERN AND WESTERN COTTON)

Accurate, uniform placement of GOAL 2E herbicide spray is essential for effective weed control and to minimize cotton injury. As a directed postemergence application, GOAL 2E 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 cotton plant. Cotton 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 while the pump and agitator are running. Complete filling of the spray tank with water and then add 2 to 4 pints of TRITON AG-9<sup>®</sup> 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 cotton plant.

COTTON - SPECIFIC USE RESTRICTIONS (SOUTHERN AND WESTERN COTTON)

- . Read and observe all label directions before using.
- . Southern Cotton: Do not apply more than 2 pints (0.5 lb. active) per broadcast acre of GOAL 2E herbicide per season as a result of a single application or multiple applications.
- . Western Cotton: Do not apply more than 2 pints (0.5 lb. active) of GOAL 2E herbicide per broadcast acre in a single application, or more than a total of 4 pints (1.0 lb. active) of GOAL 2E herbicide per broadcast acre per season as a result of multiple applications.
- . Use GOAL 2E herbicide only for recommended purposes and at recommended rates.
- . Do not use plants treated with GOAL 2E herbicide for feed or forage.
- . Do not spray GOAL 2E herbicide after initiation of bloom.
- . Do not contaminate irrigation water or water used for domestic purposes.
- . Do not feed or graze animals on any areas treated with GOAL 2E herbicide.
- . Thoroughly flush spray equipment (tank, pump, hoses and boom) with clean water before and after each use. Residual GOAL 2E herbicide remaining in spray tank may damage other crops.
- . 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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(Doc. #6076E/20Z)  
9/30/83

**ROHM AND HAAS COMPANY**INDEPENDENCE MALL WEST  
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EPA Est. No. 707-PA-1SUPPLEMENTAL LABELING FOR GOAL<sup>R</sup> 2E HERBICIDE

## DIRECTIONS FOR USE

- DORMANT APPLICATION - CALIFORNIA AND ARIZONA ONLY  
ALMOND, APRICOT, CHERRY, FIG, NECTARINE, PEACH, PEAR, PISTACHIO, PLUM,  
PRUNE, WALNUT, AND GRAPE

RECORDED  
JAN 13 1984  
707-145

## GENERAL INFORMATION

GOAL 2E is effective as a preemergence and/or postemergence herbicide when used alone or in recommended combinations, for the control of certain annual broadleaf weeds, in all almond, apricot, cherry, fig, nectarine, peach, pear, pistachio, plum, prune, walnut and grape plantings. The most effective postemergence weed control is achieved when GOAL 2E herbicide is applied to seedling weeds (less than 4 inches in height). Preemergence control is most effective when spray is applied to clean, weed-free established soil surfaces. Treated berms or soil surfaces should not be disked or disturbed in any manner as the herbicidal effectiveness of GOAL 2E may be decreased. Seedling weeds are controlled as they come in contact with the soil-applied herbicide during emergence.

For postemergence control of certain grassy and broadleaf weeds, a tank mix of either paraquat (Gramoxone<sup>R</sup> or Ortho<sup>R</sup> paraquat) or Roundup<sup>R</sup> with GOAL 2E herbicide can be used.

For residual grass control in dormant almond, apricot, cherry, fig, nectarine, peach, pear, plum, prune, walnut and grape, a tank mixture of Devrinol<sup>R</sup>, KERB<sup>R</sup>, simazine or Surflan<sup>R</sup> with GOAL 2E herbicide or combinations of GOAL 2E herbicide plus paraquat or Roundup can be used. See specific use directions and restrictions for these combination tank mixtures.

## GOAL 2E HERBICIDE USED ALONE

## DOSAGE

GOAL 2E herbicide is recommended for postemergence control at 1.0 to 4.0 quarts (0.5 to 2.0 lb. active) per broadcast acre. The lower rate is recommended for the control of susceptible seedling weeds less than 4 inches in height. The higher rate (2.0 lb. active) should be used for weeds less than 12 inches in height. For preemergence control of susceptible weeds, use 4.0 quarts (2.0 lb. active) per broadcast acre.

## WEEDS CONTROLLED POSTEMERGENCE

CHEESEWEED (MALVA)  
FIDDLENECK, COAST  
FILAREE, BROADLEAF  
FILAREE, REDSTEM  
GROUNDSEL, COMMON  
HENBIT  
LETTUCE, MINERS  
NETTLE, BURNING  
PIGWEED, REDROOT  
REDMAIDS  
SHEPHERDSPURSE  
SOWTHISTLE, ANNUAL

Malva parviflora  
Amsinckia intermedia  
Erodium botrys  
Erodium cicutarium  
Senecio vulgaris  
Lamium amplexicaule  
Montia perfoliata  
Urtica urens  
Amaranthus retroflexus  
Calandrinia caulescens  
Capsella bursa-pastoris  
Sonchus oleraceus

BEST DOCUMENT AVAILABLE

WEEDS CONTROLLED PREEMERGENCE

BURCLOVER  
 CHEESEWEED (MALVA)  
 FIDDLENECK, COAST  
 FILAREE, BROADLEAF  
 FILAREE, REDSTEM  
 GROUNDSEL, COMMON  
 HENBIT  
 KNOTWEED, PROSTRATE  
 LAMBSQUARTERS, COMMON  
 LETTUCE, PRICKLY  
 PIGWEED, REDROOT  
 PURSLANE, COMMON  
 REDMAIDS  
 ROCKET, LONDON  
 SHEPHERDSPURSE  
 SOWTHISTLE, ANNUAL

Medicago hipida  
 Malva parviflora  
 Amsinckia intermedia  
 Erodium botrys  
 Erodium cicutarium  
 Senecio vulgaris  
 Lamium amplexicaule  
 Polygonum aviculare  
 Chenopodium album  
 Lactuca serriola  
 Amaranthus retroflexus  
 Portulaca oleracea  
 Calandrinia caulescens  
 Sisymbrium irio  
 Capsella bursa-pastoris  
 Sonchus oleraceus

<u>Weed Stage</u>	GOAL 2E <u>Herbicide Rate (Per Broadcast Acre)*</u>	<u>Weeds Controlled</u>
Early Postemergence (weeds up to 4 inches high)	1 quart (0.5 lb. active)	CHEESEWEED (MALVA) FIDDLENECK, COAST FILAREE, REDSTEM HENBIT REDMAIDS SHEPHERDSPURSE
Postemergence (weeds up to 8 inches high)	2 quarts (1.0 lb. active)	CHEESEWEED (MALVA) FIDDLENECK, COAST FILAREE, REDSTEM HENBIT LETTUCE, MINERS NETTLE, BURNING REDMAIDS SHEPHERDSPURSE SOWTHISTLE, ANNUAL
Late Postemergence (weeds up to 12 inches high)	4 quarts (2.0 lb. active)	CHEESEWEED (MALVA) FIDDLENECK, COAST FILAREE, BROADLEAF FILAREE, REDSTEM GROUNDSEL, COMMON HENBIT LETTUCE, MINERS NETTLE, BURNING PIGWEED, REDROOT REDMAIDS SHEPHERDSPURSE SOWTHISTLE, ANNUAL

BEST DOCUMENT AVAILABLE

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<u>Weed Stage</u>	<u>GOAL 2E Herbicide Rate (Per Broadcast Acre)*</u>	<u>Weeds Controlled</u>
Preemergence	4 quarts (2.0 lb. active)	BURCLOVER CHEESEWEED (MALVA) FIDDLENECK, COAST FILAREE, BROADLEAF FILAREE, REDSTEM GROUNDSÉL, COMMON HENBIT KNOTWEED, PROSTRATE LAMBSQUARTERS, COMMON LETTUCE, PRICKLY PIGWEED, REDROOT PURSLANE, COMMON REDMAIDS ROCKET, LONDON SHEPHERDSPURSE SOWTHISTLE, ANNUAL

\*Dosages listed are for broadcast application. For banded application, the amount of GOAL 2E herbicide used per acre should be reduced according to the following formula.

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

**TIMING AND METHOD OF APPLICATION**

Treatments should be made October 1 through February 15. In Coachella Valley (California), do not apply to grapes after February 1.

As a preemergence treatment, apply in 50 to 200 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 established berm or soil surface. GOAL 2E 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 or off-center (OC) nozzles. Spray equipment should be calibrated carefully before each use. See USE RESTRICTIONS for GOAL 2E herbicide application on dormant tree or vine plantings.

**SPRAY VOLUME:**

<u>Weed Stage</u>	<u>Gallons of Water Per Acre</u>
Early Postemergence (weeds up to 4 inches high)	50
Postemergence (weeds up to 8 inches high)	100 to 200
Late Postemergence (weeds up to 12 inches high)	100 to 200
Preemergence	50 to 200

**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 a nonionic surfactant such as TRITON<sup>®</sup> 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 2E 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 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 2E. 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 established berms or soil surfaces which are left undisturbed during the time period for which weed control is desired.

#### USE RESTRICTIONS - GOAL 2E HERBICIDE

The following use restrictions should be observed when GOAL 2E herbicide is used alone or in any spray combination recommended on this label.

- . Read and observe all label directions before using.
- . Dormancy determines the suitability and safety of using GOAL 2E herbicide on tree fruit/grapes. Should bud swell occur prior to the dates listed, GOAL 2E herbicide must not be used.
- . DO NOT APPLY GOAL 2E HERBICIDE (EITHER ALONE OR IN ANY COMBINATION RECOMMENDED ON THIS LABEL) TO TREE OR VINE PLANTINGS BEFORE OCTOBER 1 OR AFTER FEBRUARY 15. DO NOT APPLY GOAL 2E HERBICIDE (EITHER ALONE OR IN ANY COMBINATION RECOMMENDED ON THIS LABEL) TO GRAPES IN THE COACHELLA VALLEY (CALIFORNIA) BEFORE OCTOBER 1 OR AFTER FEBRUARY 1.
- . Do not apply more than 4 quarts (2.0 lb. active) per broadcast acre of GOAL 2E herbicide in one season.
- . Do not apply to grapes established less than 3 years.
- . Do not apply to grapes which are not staked or trellised unless grapes are free-standing.
- . GOAL 2E herbicide or any of the combinations recommended on this label should be applied to only healthy growing trees or vines.
- . Apply only to dormant fruit or nut trees or vines. Do not apply after buds start to swell or when foliage or fruit/nuts are present.

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- . Do not apply when weather conditions favor drift. Avoid drift to all non-target areas. GOAL 2E herbicide is phytotoxic to plant foliage. /
- . Direct spray toward the base of tree or vines. Avoid direct plant contact.
- . Do not feed or graze animals on any areas treated with GOAL 2E herbicide.
- . 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. /
- . GOAL 2E herbicide should be applied only by ground application equipment. /
- . Thoroughly flush spray equipment (tank, pump, hoses and boom) with water before and after each use. Residual GOAL 2E herbicide remaining in the spray equipment may damage other crops. /
- . Use GOAL 2E herbicide only for recommended purposes and at recommended rates. /

#### TANK MIXES WITH GOAL 2E HERBICIDE

For preemergence control of susceptible grassy weeds in certain dormant tree fruit, nut crops and grapes, a tank mix of either Devrinol, KERB, simazine, or Surflan can be applied. /

For postemergence control of certain grassy and broadleaf weeds, a tank mix of either paraquat or Roundup with GOAL 2E herbicide or combinations of GOAL 2E herbicide plus Devrinol, KERB, simazine or Surflan can be used. /

**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

Refer to the following tables for labeled use rates.

RATE OF PRODUCT PER ACRE

CROP	GOAL 2E	Devrinol 50-WP	KERB 50-W	simazine 80-W*	Surflan 75-W**	paraquat
Almond	1 to 4 qts.	8 lbs.	Not Labeled	1 1/4 to 2 1/2 lb.***	2 2/3 to 5 1/3 lbs.	1 qt.
Apricot	1 to 4 qts.	8 lbs.	Not Labeled	Not labeled	2 2/3 to 5 1/3 lbs.	1 qt.
Cherry	1 to 4 qts.	8 lbs.	2 to 8 lbs.	2 to 5 lbs.	2 2/3 to 5 1/3 lbs.	1 qt.
Fig	1 to 4 qts.	8 lbs.	Not Labeled	Not labeled	2 2/3 to 5 1/3 lbs.	1 qt.
Nectarine	1 to 4 qts.	8 lbs.	2 to 8 lbs.	Not labeled	2 2/3 to 5 1/3 lbs.	1 qt.
Peach	1 to 4 qts.	8 lbs.	2 to 8 lbs.	1 1/4 to 2 1/2 lbs.***	2 2/3 to 5 1/3 lbs.	1 qt.
Pear	1 to 4 qts.	8 lbs.	2 to 8 lbs.	2 1/2 to 5 lbs.	2 2/3 to 5 1/3 lbs.	1 qt.
Pistachio	1 to 4 qts.	8 lbs.	Not Labeled	Not labeled	2 2/3 to 5 1/3 lbs.	Not labeled
Plum	1 to 4 qts.	8 lbs.	2 to 8 lbs.	2 to 5 lbs.	2 2/3 to 5 1/3 lbs.	1 qt.
Prune	1 to 4 qts.	8 lbs.	2 to 8 lbs.	No. labeled	2 2/3 to 5 1/3 lbs.	1 qt.
Walnut	1 to 4 qts.	8 lbs.	Not Labeled	2 1/2 to 5 lbs.	2 2/3 to 5 1/3 lbs.	1 qt.
Grapes	1 to 4 qts.	8 lbs.	2 to 8 lbs.	2 1/2 to 6 lbs.	2 2/3 to 5 1/3 lbs.	1 qt.

\* GOAL 2E herbicide can also be tank mixed with Princep 80-W, Princep 4L and Caliber(R) 90. When tank mixing with these formulations, adjust the amount of product used to conform with label.

\*\* GOAL 2E herbicide can also be tank mixed with Surflan A.S. Multiply the rate of Surflan 75W by 0 of quarts of Surflan A.S. required.

\*\*\* Per treated acre in a 2 to 4 ft. band on each side of the tree row.

Herbicide rates listed are for broadcast application unless otherwise noted. For banded application, herbicide used per acre should be reduced as outlined under "GOAL 2E Herbicide Used Alone".

For preemergence control of susceptible weeds, use 4 quarts (2.0 lb. active) of GOAL 2E herbicide per

CRABGRASS, RIGID  
CHICKWEED, COMMON  
CRABGRASS, LARGE (HAIRY)  
PINEAPPLEWEED

*Stellaria media*  
*Digitaria sanguinalis*  
*Matricaria matricarioides*

When GOAL 2E herbicide is tank mixed with KERB in addition to the weeds controlled preemergence by GOAL 2E alone, control of the following weeds is also obtained:

BLUEGRASS, ANNUAL  
BLUEGRASS, KENTUCKY  
CHICKWEED, COMMON  
ORCHARDGRASS  
QUACKGRASS  
RYEGRASS, PERENNIAL

*Poa annua*  
*Poa pratensis*  
*Stellaria media*  
*Dactylis glomerata*  
*Agropyren repens*  
*Lolium perenne*

When GOAL 2E herbicide is tank mixed with Surflan and applied preemergence, in addition to the weeds controlled preemergence by GOAL 2E alone, control of the following weeds is also obtained.

BARNYARDGRASS (WATERGRASS)  
BLUEGRASS, ANNUAL  
CHICKWEED, COMMON  
CRABGRASS, LARGE (HAIRY)  
CRABGRASS, SMOOTH  
CUPGRASS, SOUTHWESTERN

*Echinochloa crus-galli*  
*Poa annua*  
*Stellaria media*  
*Digitaria sanguinalis*  
*Digitaria ischaemum*  
*Eriochloa gracilis*

When GOAL 2E herbicide is tank mixed with simazine and applied preemergence, in addition to the weeds controlled preemergence by GOAL 2E alone, control of the following weeds is also obtained.

BARNYARDGRASS (WATERGRASS)  
BLUEGRASS, ANNUAL  
CHICKWEED, COMMON  
CRABGRASS, LARGE (HAIRY)  
CRABGRASS, SMOOTH  
HORSEWEED (MARESTAIL)

*Echinochloa crus-galli*  
*Poa annua*  
*Stellaria media*  
*Digitaria sanguinalis*  
*Digitaria ischaemum*  
*Conyza canadensis*

WEEDS CONTROLLED POSTEMERGENCE

When GOAL 2E herbicide is tank mixed with paraquat or Roundup and applied postemergence, in addition to the weeds controlled postemergence, by GOAL 2E 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 treatment, apply in 50 to 200 gallons of water per acre depending upon density of emerged weeds. Best preemergence results are achieved when spray is applied to a relatively weed-free established berm or soil surface. Tank mixtures containing GOAL 2E herbicide should be directed to the soil and the base of trees or dormant grape vines. Use a low-pressure sprayer equipped with a break-away boom and flat fan or off-center (OC) 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 amount of Devrinol, KERB, simazine or Surflan to the spray tank. Then add the recommended amounts of GOAL 2E 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 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 use restrictions previously listed under "GOAL 2E Herbicide Used Alone".

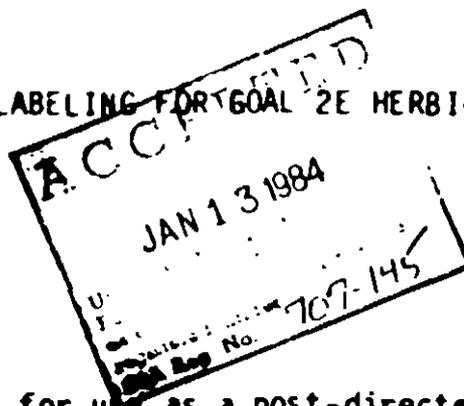
- When tank mixing, always read all individual manufacturers' labels. In interpreting all labels for the tank mixture, the most restrictive situations must apply.

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READ ALL MANUFACTURER'S LABELS



## SUPPLEMENTAL LABELING FOR GOAL 2E HERBICIDE



DIRECTIONS FOR USE  
COTTON  
POST-DIRECTED SPRAY

## GENERAL INFORMATION

GOAL 2E is a selective herbicide for use as a post-directed application for broadleaf weed control in cotton. Cotton leaves that are accidentally sprayed will exhibit necrotic spotting and may drop from the plant, therefore, care must be exercised to avoid spray contact with the cotton leaves.

GOAL 2E herbicide may be applied to cotton grown in the Southern Cotton States (Alabama, Arkansas, Georgia, Louisiana, Mississippi, Missouri, New Mexico, North Carolina, Oklahoma, South Carolina, Tennessee and Texas) and in the Western Cotton States (Arizona and California). For specific use instructions, see Geographic Location Use Directions.

## WEEDS CONTROLLED POSTEMERGENCE

When GOAL 2E herbicide is applied as a post-directed application at the recommended weed stage and dosage in cotton, the following weeds are controlled:

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
PIGWEEED, REDROOT	Amaranthus retroflexus
*POINSETTIA, WILD	Euphorbia heterophylla
PURSLANE, COMMON	Portulaca oleracea
SESBANIA, HEMP	Sesbania exaltata
SIDA, PRICKLY (TEAWEEED)	Sida spinosa
SMARTWEED, PENNSYLVANIA	Polygonum pensylvanicum
VELVETLEAF	Abutilon theophrasti

\* Multiple applications may be required for acceptable control.

## GEOGRAPHIC LOCATION USE DIRECTIONS

## DOSAGE (SOUTHERN AND WESTERN COTTON)

GOAL 2E herbicide is recommended as a post-directed application at 1 to 2 pints (0.25 to 0.5 lb. active) per acre\*. Optimum control is achieved

when 2 pints of GOAL 2E herbicide (0.5 lb. active) per acre\* is applied to weed seedlings not exceeding 4 true leaves. Effective control of succulent weed seedlings in the 2 to 3 leaf stage can usually be obtained when 1 pint of GOAL 2E herbicide (0.25 lb. active) per acre\* is applied. Weeds should be in the seedling stage, young and actively growing. Do not count cotyledon leaves.

\*Dosages listed are for broadcast application. For banded application, the amount of GOAL 2E herbicide used per acre should be reduced according to the following formula:

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

### TIMING

#### SOUTHERN COTTON

(ALABAMA, ARKANSAS, GEORGIA, LOUISIANA, MISSISSIPPI, MISSOURI, NEW MEXICO, NORTH CAROLINA, OKLAHOMA, SOUTH CAROLINA, TENNESSEE AND TEXAS)

Cotton plant height must be a minimum 6 inches or greater. Application to cotton plants less than 6 inches tall may result in severe crop injury and is not recommended. In cotton 6 to 8 inches tall, GOAL 2E herbicide must be applied using precision ground sprayer equipment with fenders or shields to avoid spray contact with cotton foliage. Use branch lifters or shields if excessive spray contact on larger cotton plants (8 inches or greater) cannot be avoided by the directed spray.

#### WESTERN COTTON

(ARIZONA AND CALIFORNIA)

Cotton plant height must be a minimum 8 inches or greater. Use branch lifters or shields if excessive spray contact to the cotton plant cannot be avoided. To obtain the maximum benefit of postemergence activity, encourage weed emergence by irrigating prior to spraying. Irrigate within two weeks following herbicide application to obtain greatest benefit of preemergence activity from GOAL 2E herbicide on nightshade and groundcherry species.

### METHOD OF APPLICATION (SOUTHERN AND WESTERN COTTON)

Accurate, uniform placement of GOAL 2E herbicide spray is essential for effective weed control and to minimize cotton injury. As a directed postemergence application, GOAL 2E 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 cotton plant. Cotton 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 while the pump and agitator are running. Complete filling of the spray tank with water and then add 2 to 4 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.

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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 cotton plant.

COTTON - SPECIFIC USE RESTRICTIONS (SOUTHERN AND WESTERN COTTON)

- . Read and observe all label directions before using.
- . Southern Cotton: Do not apply more than 2 pints (0.5 lb. active) per broadcast acre of GOAL 2E herbicide per season as a result of a single application or multiple applications.
- . Western Cotton: Do not apply more than 2 pints (0.5 lb. active) of GOAL 2E herbicide per broadcast acre in a single application, or more than a total of 4 pints (1.0 lb. active) of GOAL 2E herbicide per broadcast acre per season as a result of multiple applications.
- . Use GOAL 2E herbicide only for recommended purposes and at recommended rates.
- . Do not use plants treated with GOAL 2E herbicide for feed or forage.
- . Do not spray GOAL 2E herbicide after initiation of bloom.
- . Do not contaminate irrigation water or water used for domestic purposes.
- . Do not feed or graze animals on any areas treated with GOAL 2E herbicide.
- . Thoroughly flush spray equipment (tank, pump, hoses and boom) with clean water before and after each use. Residual GOAL 2E herbicide remaining in spray tank may damage other crops.
- . 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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