

ROHM AND HAAS COMPANYINDEPENDENCE MALL WEST
PHILADELPHIA, PENNSYLVANIA 19105EPA Reg. No. 707-174
EPA Est. No. 707-PA-1**SUPPLEMENTAL LABELING FOR GOAL® 1.6E HERBICIDE****DIRECTIONS FOR USE****DORMANT APPLICATION**

ALMOND, APPLE, APRICOT, AVOCADO, BEECHNUT, BRAZIL NUT, BUTTERNUT, CASHEW, CHERRY, CHESTNUT, CHINQUAPIN, CRAB APPLE, DATE, FEIJOA, FIG, FILBERT, GRAPES, HICKORY NUT, KIWI, LOQUAT, MACADAMIA NUT, MAYHAW, NECTARINE, OLIVES, PEACH, PEAR, PECAN, PERSIMMON, PISTACHIO, PLUM, POMEGRANATES, PRUNE, QUINCE, WALNUT

Before using this product, read the entire Precautionary Statements, Conditions of Sale and Warranty, Directions for Use, Use Restrictions and Storage and Disposal Instructions. 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 recommended combinations, for the control of certain annual broadleaf weeds, in certain bearing and nonbearing treefruit, nut or vine plantings.

The most effective postemergence weed control is achieved when GOAL 1.6E herbicide is applied to seedling weeds. For postemergence control of certain grassy and broadleaf weeds, a tank mixture of GOAL 1.6E herbicide with either Gramoxone Super or Roundup can be used.

For residual grass control in treefruit, nut or vine plantings, a tank mixture of GOAL 1.6E herbicide with Devrinol, Karmex, KERB®, simazine, Solicam or Surflan can be applied. Contact herbicides such as Gramoxone Super 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**GEOGRAPHIC USE DIRECTIONS****ARIZONA AND CALIFORNIA DOSAGE**

GOAL 1.6E herbicide is recommended for postemergence control at 2.5 to 10 pints (0.5 to 2.0 lb. active) per broadcast acre. For preemergence control of susceptible weeds, use 6 to 10 pints (1.2 to 2.0 lb. active) per broadcast acre.

WEEDS CONTROLLED POSTEMERGENCE (weeds up to 4 inches high) - Apply 2.5 to 10 pints (0.5 to 2.0 lb. active) of GOAL 1.6E herbicide per broadcast acre. Applications to weeds beyond the 4 inch stage may result in partial control.

RECORDED
SUBJECT 1991
707-174

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CHEESEWEED (MALVA)
 FIDDLENECK, COAST
 *FILAREE, BROADLEAF
 *FILAREE, REDSTEM
 *FILAREE, WHITESTEM
 GROUNDSEL, COMMON
 HENBIT

MINERSLETTUCE
 NETTLE, BURNING
 PIGWEED, REDROOT
 REDMAIDS
 SHEPHERDSPURSE
 SOWTHISTLE, ANNUAL

* GOAL 1.6E herbicide at the 10 pint rate (2.0 lb. active) will provide control of filaree not exceeding the 4 inch stage. Applications to filaree beyond the 4 inch stage may result in partial control.

WEEDS CONTROLLED PREEMERGENCE - Apply 6 to 10 pints (1.2 to 2.0 lb. active) of GOAL 1.6E herbicide per broadcast acre.

BURCLOVER
 CHEESEWEED (MALVA)
 FIDDLENECK, COAST
 *FILAREE, BROADLEAF
 *FILAREE, REDSTEM
 *FILAREE, WHITESTEM
 GROUNDSEL, COMMON
 HENBIT
 KNOTWEED, PROSTRATE

LAMBSQUARTERS, COMMON
 LETTUCE, PRICKLY
 PIGWEED, REDROOT
 PURSLANE, COMMON
 REDMAIDS
 ROCKET, LONDON
 SHEPHERDSPURSE
 SOWTHISTLE, ANNUAL

ALL OTHER STATES
 (EXCEPT CALIFORNIA AND ARIZONA) DOSAGE

GOAL 1.6E herbicide is recommended for postemergence control at 2.5 to 10 pints (0.5 to 2.0 lb. active) per broadcast acre. For preemergence control of susceptible weeds, use 6 to 10 pints (1.2 to 2.0 lb. active) per broadcast acre.

WEEDS CONTROLLED POSTEMERGENCE - Apply 2.5 to 10 pints (0.5 to 2.0 lb. active) of GOAL 1.6E herbicide per broadcast acre. The lower rate is recommended for the control of susceptible seedling weeds in the early postemergence stage up to the 4 leaf stage. The higher rate (2.0 lb. active) should be used for weeds up to the 6 leaf stage. Applications to weeds beyond the 6 leaf stage may result in partial control.

BALSAMAPPLE
 COCKLEBUR, COMMON
 *CUDWEED, NARROWLEAF
 **EVENINGPRIMROSE, CUTLEAF
 GROUNDCHERRY, CUTLEAF
 GROUNDCHERRY, WRIGHT
 JIMSONWEED
 LAMBSQUARTERS, COMMON
 MORNINGGLORY, ANNUAL
 NIGHTSHADE, AMERICAN BLACK
 NIGHTSHADE, BLACK

PEPPERWEED, VIRGINIA
 PIGWEED, REDROOT
 POINSETTIA, WILD
 PURSLANE, COMMON
 SESBANIA, HEMP
 SHEPHERDSPURSE
 SIDA, PRICKLY (TEAWEED)
 SMARTWEED, PENNSYLVANIA
 SOWTHISTLE, ANNUAL
 VELVETLEAF

*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.

WEEDS CONTROLLED PREEMERGENCE - Apply 6 to 10 pints (1.2 to 2.0 lb. active) of GOAL 1.6E herbicide per broadcast acre.

- | | |
|----------------------------|-------------------------|
| CAMPHORWEED | PIGWEEED, REDROOT |
| CUDWEED, NARROWLEAF | POINSETTIA, WILD |
| **EVENINGPRIMROSE, CUTLEAF | SIDA, PRICKLY |
| GROUNDCHERRY, CUTLEAF | SMARTWEED, PENNSYLVANIA |
| JIMSONWEED | SOWTHISTLE, ANNUAL |
| LAMBSQUARTERS, COMMON | SPURGE, PROSTRATE |
| NIGHTSHADE, AMERICAN BLACK | SPURGE, SPOTTED |
| NIGHTSHADE, BLACK | VELVETLEAF |
| PEPPERWEED, VIRGINIA | |

** 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.

**ALL STATES
TIMING AND METHOD OF APPLICATION**

In Arizona and California, applications of GOAL 1.6E herbicide should not be made from February 15 until completion of final harvest. In Coachella Valley (California), do not apply to grapes from February 1 until completion of final harvest.

In all states, dormancy determines the suitability and safety of using GOAL 1.6E herbicide for winter applications of treefruit, nut and vine plantings. Do not apply GOAL 1.6E herbicide after buds start to swell or when fruit/nuts are present.

As a preemergence treatment, apply 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 established berm or soil surface. 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 breakaway boom and flat fan nozzles. An off center (OC) nozzle positioned at the end of the boom may be desired. See SPECIFIC USE RESTRICTIONS for GOAL 1.6E herbicide application on dormant tree or vine plantings.

SPRAY VOLUME:	Gallons of Water:
Need Stage	per Acre
Preemergence	40 or more
Postemergence	
(up to 4 inch or 4 leaf stage)	40 or more
Exceeding 4 inch or 4 leaf stage	100 or more

CULTURAL CONSIDERATIONS

In order for GOAL 1.6E herbicide to provide maximum preemergence activity:

Prior to application, the bed or soil surface should be smooth and free of crop and 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.

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After application, at least one-quarter inch (1/4 inch) of irrigation or rainfall should occur within 3 or 4 weeks after application. The best results from GOAL 1.6E herbicide are from applications to established beds or soil surfaces that are left undisturbed during the time period for which weed control is desired. Cultural practices that 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.

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 herbicides to the spray tank. The order of addition to the spray tank should be wettable powders first, flowables second, and liquids last. Complete filling of the spray tank with water. For all applications of GOAL 1.6E herbicide where postemergence weed control is desired, add 2 to 4 pints of TRITON AG-98® (or comparable 80% active nonionic surfactant cleared for application to growing crops) per each 100 gallons of spray. The addition of 4 pints of TRITON AG-98 per 100 gallons of spray is recommended to enhance postemergence activity when hard water (greater than 600 ppm) is used as carrier. Maintain agitation until spraying is completed.

Spray equipment should be calibrated carefully before each use.

Dosages listed on this label 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:

<u>Band Width (in inches)</u>		Rate per		Amount Needed per Acre
	X		=	
Row Width (in inches)		Broadcast Acre		for Banded 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 mixture, the most restrictive situations must apply.

DOSAGE

For preemergence control of susceptible grassy and broadleaf weeds in certain dormant treefruit, nut crops and vines, a tank mixture of GOAL 1.6E herbicide with Devrinol, Karmex, KERB, simazine, Solicam or Surflan can be applied. Apply at the recommended rates and growth stages to susceptible weed species in a manner described on the respective labels.

For postemergence control of susceptible grassy and broadleaf weeds in certain dormant treefruit, nut crops and vines, a tank mixture of Gramoxone Super or Roundup with GOAL 1.6E herbicide or combinations of GOAL 1.6E herbicide plus Devrinol, Karmex, KERB, simazine, Solicam or Surflan with either Gramoxone Super 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.

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WEEDS CONTROLLED

In addition to the weeds controlled by GOAL 1.6E herbicide used alone, control of susceptible weeds listed on the respective labels for the following products is also obtained:

Devrinol	*simazine
Gramoxone Super	Solican
Karmex	Surflan
KERB	

*In addition, simazine provides preemergence control of horseweed (marestail).

TREEFRUIT/NUT/VINE - SPECIFIC USE RESTRICTIONS

In addition to the following, also observe GENERAL USE RESTRICTIONS listed at the end of this label.

- For winter/spring applications, apply only to dormant fruit, nut trees or vines. Dormancy determines the suitability and safety of using GOAL 1.6E herbicide on treefruit, nut and vines. Do not apply after buds start to swell or when foliage or fruit/nuts are present. GOAL 1.6E can be applied upon completion of final harvest.
- IN ARIZONA AND CALIFORNIA, DO NOT APPLY GOAL 1.6E HERBICIDE (EITHER ALONE OR IN ANY COMBINATION RECOMMENDED ON THIS LABEL) TO TREE OR VINE PLANTINGS AFTER FEBRUARY 15 UNTIL COMPLETION OF FINAL HARVEST. DO NOT APPLY GOAL 1.6E HERBICIDE (EITHER ALONE OR IN ANY COMBINATION RECOMMENDED ON THIS LABEL) TO GRAPES IN THE COACHELLA VALLEY (CALIFORNIA) FROM FEBRUARY 1 UNTIL COMPLETION OF FINAL HARVEST. GOAL 1.6E CAN BE APPLIED UPON COMPLETION OF FINAL HARVEST.
- Do not apply more than 10 pints (2.0 lb. active) per broadcast acre of GOAL 1.6E herbicide in one season.
- Do not apply to grapes or kiwi established less than 3 years unless vines are on a trellis wire a minimum of 3 feet above the soil surface.
- Do not apply to grapes or kiwi that are not staked or trellised unless grapes are free-standing.
- GOAL 1.6E herbicide or any of the combinations recommended on this label should be applied to only healthy growing trees or vines.
- Direct spray toward the base of tree or vines. Avoid direct plant contact.

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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. Handling, storage and use of the product by Buyer or User are beyond the control of Rohm and Haas and Seller. Risks such as crop injury, ineffectiveness or other unintended consequences resulting from, but not limited to weather or soil conditions, presence of other materials, disease, pests, drift to other crops or property or failure to follow label directions 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 HANDLING, STORAGE OR USE OF THIS PRODUCT.**

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