

ROHM AND HAAS COMPANYINDEPENDENCE MALL WEST
PHILADELPHIA, PENNSYLVANIA 19105EPA Reg. No. 707-174
EPA Est. No. 707-PA-1SUPPLEMENTAL LABELING FOR GOAL^R 1.6E 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 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 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 1.6E 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 1.6E 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 mixture 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 dormant almond, apricot, cherry, fig, nectarine, peach, pear, plum, prune, walnut and grape, a tank mixture of Devrinol^R, KERB, simazine or Surflan^R with GOAL 1.6E herbicide or combinations of GOAL 1.6E herbicide plus paraquat or Roundup can be used.

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 seedling 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 10.0 pints (2.0 lb. active) per broadcast acre.

WEEDS CONTROLLED POSTEMERGENCE

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

Malva parviflora
Amsinckia intermedia
Erodium botrys
Erodium cicutarium
Senecio vulgaris
Lamium amplexicaule
Mintia 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
 Calandrinia caulescens
 Sisymbrium irio
 Capsella bursa-pastoris
 Sonchus oleraceus

<u>Weed Stage</u>	<u>GOAL 1.6E Herbicide Rate (Per Broadcast Acre)*</u>	<u>Weeds Controlled</u>
Early Postemergence (weeds up to 4 inches high)	2.5 pints (0.5 lb. active)	CHEESEWEED (MALVA) FIDDLENECK, COAST FILAREE, REDSTEM HENBIT REDMAIDS SHEPHERDSPURSE
Postemergence (weeds up to 8 inches high)	5 pints (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)	10 pints (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

<u>Weed Stage</u>	<u>GOAL 1.6E Herbicide Rate (Per Broadcast Acre)*</u>	<u>Weeds Controlled</u>
Preemergence	10 pints (2.0 lb. active)	BURCLOVER CHEESEWEED (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 1.6E herbicide used per acre should be reduced according to the following formula.

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

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 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 or off-center (OC) nozzles. Spray equipment should be calibrated carefully before each use. See USE RESTRICTIONS for GOAL 1.6E 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 1.6E 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[®] 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 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 established berms or soil surfaces which are left undisturbed during the time period for which weed control is desired.

USE RESTRICTIONS - GOAL 1.6E HERBICIDE

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

- . Dormancy determines the suitability and safety of using GOAL 1.6E herbicide on tree fruit/grapes. Should bud swell occur prior to the dates listed, GOAL 1.6E herbicide must not be used.
- . DO NOT APPLY GOAL 1.6E 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 1.6E 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 to grapes established less than 3 years.
- . 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.

- 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 which 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.

TANK MIXES WITH GOAL 1.6E 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 1.6E herbicide or combinations of GOAL 1.6E 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.