

PR # 22 REG # 707-174

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ROHM AND HAAS COMPANY

INDEPENDENCE MALL WEST
PHILADELPHIA, PENNSYLVANIA 19105



GOAL® 1.6E Herbicide (707-174)
Use on Treefruit and Nut Crops

PROPOSED REVISED SUPPLEMENTAL LABELING

APPROVED
FEB 26 1988
EPA Reg. No. 707-174

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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® 1.6E HERBICIDE

DIRECTIONS FOR USE

- DORMANT APPLICATION

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

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 non-bearing 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 paraquat (Gramoxone®) or Roundup® can be used.

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 residual grass control in dormant treefruit, nut or vine plantings, a tank mixture of GOAL 1.6E herbicide with Devrinol®, KERB, simazine, Solicam® or Surflan® can be applied. Contact herbicides such as paraquat or Roundup may also be added to the tank mixture.

GOAL 1.6E HERBICIDE USED ALONE

ARIZONA AND CALIFORNIA

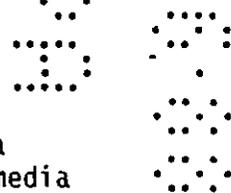
DOSAGE

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 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 6.0 to 10.0 pints (1.2 to 2.0 lb. active) per broadcast acre.

WEEDS CONTROLLED POSTEMERGENCE

CHEESEWEED (MALVA)
FIDDLENECK, COAST
FILAREE, BROADLEAF
FILAREE, REDSTEM
GROUNSEL, COMMON

Malva parviflora
Amsinckia intermedia
Erodium botrys
Erodium cicutarium
Senecio vulgaris



WEEDS CONTROLLED POSTEMERGENCE (continued)

HENBIT	Lamium amplexicaule
MINERSLETTUCE	Montia perfoliata
NETTLE, BURNING	Urtica urens
PIGWEEED, REDROOT	Amaranthus retroflexus
REDMAIDS	Calandrinia caulescens
SHEPHERDSPURSE	Capsella bursa-pastoris
SOWTHISTLE, ANNUAL	Sonchus oleraceus

WEEDS CONTROLLED PREEMERGENCE

BURCLOVER	Medicago hipida
CHEESEWEED (MALVA)	Malva parviflora
FIDDLENECK, COAST	Amsinckia intermedia
FILAREE, BROADLEAF	Erodium botrys
FILAREE, REDSTEM	Erodium cicutarium
GROUNDSEL, COMMON	Senecio vulgaris
HENBIT	Lamium amplexicaule
KNOTWEED, PROSTRATE	Polygonum aviculare
LAMBSQUARTERS, COMMON	Chenopodium album
LETTUCE, PRICKLY	Lactuca serriola
PIGWEEED, REDROOT	Amaranthus retroflexus
PURSLANE, COMMON	Portulaca oleracea
REDMAIDS	Calandrinia caulescens
ROCKET, LONDON	Sisymbrium irio
SHEPHERDSPURSE	Capsella bursa-pastoris
SOWTHISTLE, ANNUAL	Sonchus oleraceus

GOAL 1.6E

<u>Weed Stage</u>	<u>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 HENBIT REDMAIDS SHEPHERDSPURSE
Postemergence (weeds up to 8 inches high)	5 pints (1.0 lb. active)	CHEESEWEED (MALVA) FIDDLENECK, COAST HENBIT MINERSLETTUCE NETTLE, BURNING REDMAIDS SHEPHERDSPURSE SOWTHISTLE, ANNUAL

Weed Stage	GOAL 1.6E Herbicide Rate (Per Broadcast Acre)*	Weeds Controlled
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 MINERSLETTUCE NETTLE, BURNING PIGWEED, REDROOT REDMAIDS SHEPHERDSPURSE SOWTHISTLE, ANNUAL
Preemergence	6 to 10 pints (1.2 to 2.0 lb. active)	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

* 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 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.

ALL OTHER STATES (EXCEPT CALIFORNIA AND ARIZONA)

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 6.0 to 10.0 pints (1.2 to 2.0 lb. active) per broadcast acre.

*Dosages listed are for broadcast application. For banded application, the amount of GOAL 1.6E herbicide weed 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.

ALL STATES

TIMING AND METHOD OF APPLICATION

In Arizona and California, applications of GOAL 1.6E herbicide should be made October 1 through February 15. In Coachella Valley (California), do not apply to grapes after February 1.

In all states, dormancy determines the suitability and safety of using GOAL 1.6E herbicide in 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 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:

<u>Weed Stage</u>	<u>Gallons of Water Per Acre</u>
Early Postemergence	40 or more
Postemergence or Late Postemergence	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 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 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. The best results are from applications to 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.

- . 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.
- . Apply only to dormant fruit or 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.
- . 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 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 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 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.
- . Do not apply when weather conditions favor drift. Avoid drift to all non-target areas. GOAL 1.6E 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 1.6E herbicide.
- . Do not contaminate irrigation water or water used for domestic purposes.
- . Do not use any plants treated with GOAL 1.6E herbicide for feed or forage.
- . GOAL 1.6E 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 1.6E herbicide remaining in the spray equipment may damage other crops.
- Use GOAL 1.6E herbicide only for recommended purposes and at recommended rates.

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, nut crops 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 treefruit, nut crops and vines, a tank mixture of GOAL 1.6E herbicide with either Devrinol, KERB, simazine, Solicam 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.

Refer to the following rate table for labeled use rates.

RATE OF PRODUCT PER ACRE

CROP	GOAL 1.6E	KERB 50-W	DEVRIKOL 50-W	SOLICAM DF
ALMOND ✓	2.5 to 10 pts.	Not labeled	8 lbs.	2.5 to 5 lb. ✓
APPLE ✓	2.5 to 10 pts.	2 to 8 lbs.	8 lbs.	2.5 to 5 lb. ✓
APRICOT ✓	2.5 to 10 pts.	Not labeled	8 lbs.	2.5 to 5 lb. ✓
AVOCADO	2.5 to 10 pts.	Not labeled	8 lbs.	Not Labeled
BEECHNUT	2.5 to 10 pts.	Not labeled	Not labeled	Not Labeled
BRAZIL NUT	2.5 to 10 pts.	Not labeled	Not labeled	Not Labeled
BUTTERNUT	2.5 to 10 pts.	Not labeled	Not labeled	Not Labeled
CASHEW ✓	2.5 to 10 pts.	Not labeled	Not labeled	Not Labeled
CHERRY	2.5 to 10 pts.	2 to 8 lbs.	8 lbs.	2.5 to 5 lb. ✓
CHESTNUT	2.5 to 10 pts.	Not labeled	Not labeled	Not Labeled
CHINQUAPIN	2.5 to 10 pts.	Not labeled	Not labeled	Not Labeled
CRABAPPLE	2.5 to 10 pts.	Not labeled	Not labeled	Not Labeled
DATE	2.5 to 10 pts.	Not labeled	Not labeled	Not Labeled
FIG	2.5 to 10 pts.	Not labeled	8 lbs.	Not Labeled
FILBERT ✓	2.5 to 10 pts.	Not labeled	8 lbs.	2.5 to 5 lb. ✓
GRAPES ✓	2.5 to 10 pts.	2 to 8 lbs.	8 lbs.	2.5 to 5 lb. ✓
HICKORY NUT	2.5 to 10 pts.	Not labeled	Not labeled	Not Labeled
KIWI	2.5 to 10 pts.	Not labeled	8 lbs.	Not Labeled
LOQUAT	2.5 to 10 pts.	Not labeled	Not labeled	Not Labeled
MACADAMIA NUT	2.5 to 10 pts.	Not labeled	Not labeled	Not Labeled
NECTARINE ✓	2.5 to 10 pts.	2 to 8 lbs.	8 lbs.	2.5 to 5 lb. ✓

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RATE OF PRODUCT PER ACRE (continued)

CROP	GOAL 1.6E	KERB 50-W	DEVIRINOL 50-W	SOLICAM DF
OLIVE	2.5 to 10 pts.	Not labeled	8 lbs.	Not Labeled
PEACH	2.5 to 10 pts.	2 to 8 lbs.	8 lbs.	2.5 to 5 lb. ✓
PEAR	2.5 to 10 pts.	2 to 8 lbs.	8 lbs.	2.5 to 5 lb. ✓
PECAN	2.5 to 10 pts.	Not labeled	8 lbs.	2.5 to 5 lb. ✓
PISTACHIO	2.5 to 10 pts.	Not labeled	8 lbs.	Not Labeled
PLUM	2.5 to 10 pts.	2 to 8 lbs.	8 lbs.	2.5 to 5 lb. ✓
POMEGRANATE	2.5 to 10 pts.	Not labeled	8 lbs.	Not Labeled
PRUNE	2.5 to 10 pts.	2 to 8 lbs.	8 lbs.	2.5 to 5 lb. ✓
QUINCE	2.5 to 10 pts.	Not labeled	Not labeled	Not Labeled
WALNUT	2.5 to 10 pts.	Not labeled	8 lbs.	2.5 to 5 lb. ✓

CROP	*SIMAZINE 80-W	**SURFLAN 4-AS	***GRAMOXONE SUPER	ROUNDUP
ALMOND	1.1 to 2.2 lbs.	2 to 6 qts.	3 to 5 pts.	1 to 1.5 qts.
APPLE	2.2 to 4.4 lbs.	2 to 6 qts.	3 to 5 pts.	1 to 1.5 qts.
APRICOT	Not labeled	2 to 6 qts.	3 to 5 pts.	1 to 1.5 qts.
AVOCADO	2.2 to 4.4 lbs.	2 to 6 qts.	3 to 5 pts.	1 to 1.5 qts.
BEECHNUT	Not labeled	Not labeled	Not labeled	Not labeled
BRAZIL NUT	Not labeled	Not labeled	Not labeled	Not labeled
BUTTERNUT	Not labeled	Not labeled	Not labeled	Not labeled
CASHEW	Not labeled	Not labeled	Not labeled	Not labeled
CHERRY	1.75 to 4.4 lbs.	2 to 6 qts.	3 to 5 pts.	1 to 1.5 qts.
CHESTNUT	Not labeled	Not labeled	Not labeled	Not labeled
CHINQUAPIN	Not labeled	Not labeled	Not labeled	Not labeled
CRABAPPLE	Not labeled	Not labeled	Not labeled	Not labeled
DATE	Not labeled	Not labeled	Not labeled	Not labeled
FIG	Not labeled	2 to 6 qts.	3 to 5 pts.	Not labeled
FILBERT	2.2 to 4.4 lbs.	2 to 6 qts.	3 to 5 pts.	1 to 1.5 qts.
GRAPES	2.2 to 5.3 lbs.	2 to 6 qts.	3 to 5 pts.	1 to 1.5 qts.
HICKORY NUT	Not labeled	Not labeled	Not labeled	Not labeled
KIWI	Not labeled	2 to 6 qts.	3 to 5 pts.	Not labeled
LOQUAT	Not labeled	Not labeled	Not labeled	Not labeled
MACADEMIA NUT	2.2 to 4.4 lbs.	2 to 6 qts.	3 to 5 pts.	1 to 1.5 qts.
NECTARINE	Not labeled	2 to 6 qts.	3 to 5 pts.	1 to 1.5 qts.
OLIVE	2.2 to 4.4 lbs.	2 to 6 qts.	3 to 5 pts.	Not labeled
PEACH	1.75 to 4.4 lbs.	2 to 6 qts.	3 to 5 pts.	1 to 1.5 qts.
PEAR	1.75 to 4.4 lbs.	2 to 6 qts.	3 to 5 pts.	1 to 1.5 qts.
PECAN	2.2 to 4.4 lbs.	2 to 6 qts.	3 to 5 pts.	...1 to 1.5 qts.
PISTACHIO	Not labeled	2 to 6 qts.	3 to 5 pts.	: 1 to 1.5 qts.
PLUM	1.75 to 4.4 lbs.	2 to 6 qts.	3 to 5 pts.	...1 to 1.5 qts.
POMEGRANATE	Not labeled	2 to 6 qts.	3 to 5 pts.	: 1 to 1.5 qts.
PRUNE	Not labeled	2 to 6 qts.	Not labeled	Not labeled
QUINCE	Not labeled	Not labeled	3 to 5 pts.	...1 to 1.5 qts.
WALNUT	Not labeled	2 to 6 qts.	Not labeled	...Not labeled

*GOAL 1.6E herbicide can also be tank mixed with Princep 80-W. Princep 40 or Caliber 90. When tank mixing with these formulations, adjust the amount of product used to conform with labeled recommendations.

**GOAL 1.6E herbicide can also be tank mixed with Surflan DF. When tank mixing with this formulation, adjust the amount of product used to conform with labeled recommendations.

***GOAL 1.6E herbicide can also be tank mixed with paraquat 2CL formulations. When tank mixing with these formulations, adjust the amount of product used to conform with labeled recommendations.

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 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 |

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 Solicam DF 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
CUPGRASS, SOUTHWESTERN	Eriochloa gracilis
PINEAPPLEWEED	Matricaria matricarioides

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 results. Best preemergence results are achieved when spray is applied to a relatively weed-free established berm or soil surface. 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, Solicam 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 cultural situations must apply.

SPECIFIC USE RESTRICTIONS - GOAL 1.6E Herbicide Tank Mixes

In addition to the following, also observe all use restrictions previously listed under "GOAL 1.6E Herbicide Used Alone" and at the end of this label.

- . 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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ROUNDUP® is a registered trademark of Monsanto Company

SOLICAM is a registered trademark of Sandoz, Ltd.

SURFLAN® is a registered trademark of the Elanco Products Company

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