

7/11 707-145 P. 20

ROHM AND HAAS COMPANY

INDEPENDENCE MALL WEST
PHILADELPHIA, PENNSYLVANIA 19105



GOAL® 2E Herbicide (707-145)
Use on Treefruit and Nut Crops

ACCEPTED
APR 20 1988
Under the Federal Insecticide,
Fungicide, and Rodenticide Act
as amended, for the pesticide
registered under
EPA Reg. No. 707-145

Proposed Revised Supplemental Labeling

5050

ROHM AND HAAS COMPANY

INDEPENDENCE MALL WEST
PHILADELPHIA, PENNSYLVANIA 19105

EPA Reg. No. 707-145-AA
EPA Est. No. 707-PA-1



SUPPLEMENTAL LABELING FOR GOAL® 2E HERBICIDE

DIRECTIONS FOR USE

- DORMANT APPLICATION

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

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 certain bearing and nonbearing treefruit, nut or vine plantings.

The most effective postemergence weed control is achieved when GOAL 2E herbicide is applied to seedling weeds. For postemergence control of certain grassy and broadleaf weeds, a tank mix of GOAL 2E 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 2E 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 2E herbicide with Devrinol®, Karmex, KERB®, simazine, Solicam or Surflan® can be applied. Contact herbicides such as paraquat or Roundup may also be added to the tank mixture.

GOAL 2E HERBICIDE USED ALONE

ARIZONA AND CALIFORNIA

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 3.0 to 4.0 quarts (1.5 to 2.0 lb. active) per broadcast acre.

WEEDS CONTROLLED POSTEMERGENCE

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

Malva parviflora
Amsinckia intermedia
Erodium botrys
Erodium cicutarium
Erodium moschatum
Senecio vulgaris
Lamium amplexicaule
Montia perfoliata

WEEDS CONTROLLED POSTEMERGENCE (continued)

NETTLE, BURNING
PIGWEEED, REDROOT
REDMAIDS
SHEPHERDSPURSE
SOWTHISTLE, ANNUAL

Urtica urens
Amaranthus retroflexus
Calandrinia caulescens
Capsella bursa-pastoris
Sonchus oleraceus

WEEDS CONTROLLED PREEMERGENCE

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

Medicago hipida
Malva parviflora
Amsinckia intermedia
Erodium botrys
Erodium cicutarium
Erodium moschatum
Senecio vulgaris
Lamium amplexicaule
Polygonum aviculare
Chenopodium album
Lactuca serriola
Amaranthus retroflexus
Portulaca oleracea
Calandrinia 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 HENBIT REDMAIDS SHEPHERDSPURSE
Postemergence (weeds up to 8 inches high)	2 quarts (1.0 lb. active)	CHEESEWEED (MALVA) FIDDLENECK, COAST HENBIT MINERSLETTUCE 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 ** FILAREE, WHITESTEM GROUNSEL, COMMON HENBIT MINERSLETTUCE NETTLE, BURNING PIGWEEED, REDROOT REDMAIDS SHEPHERDSPURSE SOWTHISTLE, ANNUAL

Weed Stage	GOAL 2E Herbicide Rate (Per Broadcast Acre)*	Weeds Controlled
Preemergence	3 to 4 quarts (1.5 to 2.0 lb. active)	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

*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.

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

**GOAL 2E herbicide at the 4 quart 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 2E herbicide is recommended for postemergence control at 1 to 4 quarts* (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 4 quarts (2.0 lb. active) per broadcast acre.

* 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:

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

WEEDS CONTROLLED POSTEMERGENCE

BALSAMAPPLE	Momordica charantia
COCKLEBUR, COMMON	Xanthium pensylvanicum
*CUDWEED, NARROWLEAF	Gnaphalium falcatum
**EVENINGPRIMROSE, CUTLEAF	Oenothera laciniata

WEEDS CONTROLLED POSTEMERGENCE

GROUNDCHERRY, CUTLEAF
 GROUNDCHERRY, BRIGHT
 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

Physalis angulata
 Physalis wrightii
 Datura stramonium
 Chenopodium album
 Ipomoea species
 Solanum nodiflorum
 Solanum nigrum
 Lepidium virginicum
 Amaranthus retroflexus
 Euphorbia heterophylla
 Portulaca oleracea
 Sesbania exaltata
 Capsella bursa-pastoris
 Sida spinosa
 Polygonum pensylvanicum
 Sonchus oleraceus
 Abutilon theophrasti

WEEDS CONTROLLED PREEMERGENCE

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

Heterotheca subaxillaris
 Gnaphalium falcatum
 Oenothera laciniata
 Physalis angulata
 Datura stramonium
 Chenopodium album
 Solanum nodiflorum
 Solanum nigrum
 Lepidium virginicum
 Amaranthus retroflexus
 Euphorbia heterophylla
 Sida spinosa
 Polygonum pensylvanicum
 Sonchus oleraceus
 Euphorbia supina
 Euphorbia maculata
 Abutilon theophrasti

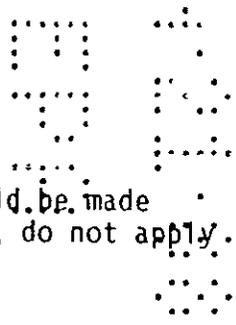
*Maximum 0.5 inch diameter

**Highest rate and/or multiple applications may be required for acceptable control. Do not apply more than 4 quarts (2.0 lb. active) per broadcast acre of GOAL 2E herbicide in one season.

ALL STATES

TIMING AND METHOD OF APPLICATION

In Arizona and California, application of GOAL 2E 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 2E herbicide in treefruit, nut and vine plantings. Do not apply GOAL 2E herbicide after buds start to swell or when fruit or 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 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 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 2E 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 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® 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 that 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 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. 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 2E 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 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 or kiwi established less than 3 years unless vines are on the 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 2E 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 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.
- . CHEMIGATION: Do not apply this product through any type of irrigation system.

TANK MIXES WITH GOAL 2E 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 mix of GOAL 2E 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 2E herbicide with either Devrinol, Karmex, 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.

Refer to the following rate table for labeled use rates.

CROP	GOAL 2E	KERB 50-W	DEVRIKOL 50-W	SOLICAM DF	KARMEK 80-DF
ALMOND	1 to 4 qts.	Not labeled	8 lbs.	2.5 to 5 lbs.	Not labeled
APPLE	1 to 4 qts.	2 to 8 lbs.	8 lbs.	2.5 to 5 lbs.	2 to 4 lbs.
APRICOT	1 to 4 qts.	Not labeled	8 lbs.	2.5 to 5 lbs.	Not labeled
AVOCADO	1 to 4 qts.	Not labeled	8 lbs.	Not labeled	Not labeled
BEECHNUT	1 to 4 qts.	Not labeled	Not labeled	Not labeled	Not labeled
BRAZIL NUT	1 to 4 qts.	Not labeled	Not labeled	Not labeled	Not labeled
BUTTERNUT	1 to 4 qts.	Not labeled	Not labeled	Not labeled	Not labeled
CASHEW	1 to 4 qts.	Not labeled	Not labeled	Not labeled	Not labeled
CHERRY	1 to 4 qts.	2 to 8 lbs.	8 lbs.	2.5 to 5 lbs.	Not labeled
CHESTNUT	1 to 4 qts.	Not labeled	Not labeled	Not labeled	Not labeled
CHINQUAPIN	1 to 4 qts.	Not labeled	Not labeled	Not labeled	Not labeled
CRABAPPLE	1 to 4 qts.	Not labeled	Not labeled	Not labeled	Not labeled
DATE	1 to 4 qts.	Not labeled	Not labeled	Not labeled	Not labeled
FIG	1 to 4 qts.	Not labeled	8 lbs.	Not labeled	Not labeled
FILBERT	1 to 4 qts.	Not labeled	8 lbs.	2.5 to 5 lbs.	Not labeled
GRAPES	1 to 4 qts.	2 to 8 lbs.	8 lbs.	2.5 to 5 lbs.	2 to 6 lbs.
HICKORY NUT	1 to 4 qts.	Not labeled	Not labeled	Not labeled	Not labeled
KIWI	1 to 4 qts.	Not labeled	8 lbs.	Not labeled	Not labeled
LOQUAT	1 to 4 qts.	Not labeled	Not labeled	Not labeled	Not labeled
MACADAMIA NUT	1 to 4 qts.	Not labeled	Not labeled	Not labeled	2 to 6 lbs.
NECTARINE	1 to 4 qts.	2 to 8 lbs.	8 lbs.	2.5 to 5 lbs.	Not labeled
OLIVE	1 to 4 qts.	Not labeled	8 lbs.	Not labeled	2 lbs.
PEACH	1 to 4 qts.	2 to 8 lbs.	8 lbs.	2.5 to 5 lbs.	2 to 5 lbs.
PEAR	1 to 4 qts.	2 to 8 lbs.	8 lbs.	2.5 to 5 lbs.	2 to 4 lbs.
PECAN	1 to 4 qts.	Not labeled	8 lbs.	2.5 to 5 lbs.	2 to 4 lbs.
PISTACHIO	1 to 4 qts.	Not labeled	8 lbs.	Not labeled	Not labeled
PLUM	1 to 4 qts.	2 to 8 lbs.	8 lbs.	2.5 to 5 lbs.	Not labeled
POMEGRANATE	1 to 4 qts.	Not labeled	8 lbs.	Not labeled	Not labeled
PRUNE	1 to 4 qts.	2 to 8 lbs.	8 lbs.	2.5 to 5 lbs.	Not labeled
QUINCE	1 to 4 qts.	Not labeled	Not labeled	Not labeled	Not labeled
WALNUT	1 to 4 qts.	Not labeled	8 lbs.	2.5 to 5 lbs.	2 to 5 lbs.

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.

CROP	*SIMAZINE 80-W	**SURFLAN 4-AS	***GRAMOXONE SUPER	ROUNDUP
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
MACADAMIA 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.	Not labeled	Not labeled
PRUNE	Not labeled	2 to 6 qts.	3 to 5 pts.	1 to 1.5 qts.
QUINCE	Not labeled	Not labeled	Not labeled	Not labeled
WALNUT	Not labeled	2 to 6 qts.	3 to 5 pts.	1 to 1.5 qts.

* GOAL 2E herbicide can also be tank mixed with Princep 80-W. Princep 4L or Caliber 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 DF. 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 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 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 Karmex and applied preemergence, in addition to the weeds controlled preemergence by GOAL 2E herbicide alone, control of the following weeds is also obtained:

- | | |
|-------------------|-------------------------|
| CHICKWEED, COMMON | Stellaria media |
| RAGWEED, COMMON | Ambrosia artemisiifolia |

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 |

When GOAL 2E herbicide is tank mixed with Solicam DF 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 |
| CUPGRASS, SOUTHWESTERN | Eriochloa gracilis |
| PINEAPPLEWEED | Matricaria matricarioides |

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 |

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 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 2E herbicide should be directed to the soil and the base of trees or dormant grape or kiwi 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, Karmex, KERB, simazine, Solicam 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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