

DOSAGE

Refer to the following tables for labeled use rates.

RATE OF PRODUCT PER ACRE

<u>CROP</u>	<u>GOAL 1.6E</u>	<u>KERB 50-W</u>	<u>Devrinol 50-WP</u>	<u>simazine 80-W*</u>	<u>Surflan 75-W**</u>	<u>paraquat</u>	<u>Roundup</u>
Almond	2.5 to 10 pts.	Not Labeled	8 lbs.	1 1/4 to 2 1/2 lb.***	2 2/3 to 5 1/3 lbs.	1 qt.	1 to 2 qts.
Apricot	2.5 to 10 pts.	Not Labeled	8 lbs.	Not labeled	2 2/3 to 5 1/3 lbs.	1 qt.	1 to 2 qts.
Cherry	2.5 to 10 pts.	2 to 8 lbs.	8 lbs.	2 to 5 lbs.	2 2/3 to 5 1/3 lbs.	1 qt.	1 to 2 qts.
Fig	2.5 to 10 pts.	Not Labeled	8 lbs.	Not labeled	2 2/3 to 5 1/3 lbs.	1 qt.	1 to 2 qts.
Nectarine	2.5 to 10 pts.	2 to 8 lbs.	8 lbs.	Not labeled	2 2/3 to 5 1/3 lbs.	1 qt.	1 to 2 qts.
Peach	2.5 to 10 pts.	2 to 8 lbs.	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	2.5 to 10 pts.	2 to 8 lbs.	8 lbs.	2 1/2 to 5 lbs.	2 2/3 to 5 1/3 lbs.	1 qt.	1 to 2 qts.
Pistachio	2.5 to 10 pts.	Not labeled	8 lbs.	Not labeled	2 2/3 to 5 1/3 lbs.	Not Labeled	1 to 2 qts.
Plum	2.5 to 10 pts.	2 to 8 lbs.	8 lbs.	2 to 5 lbs.	2 2/3 to 5 1/3 lbs.	1 qt.	1 to 2 qts.
Prune	2.5 to 10 pts.	2 to 8 lbs.	8 lbs.	Not labeled	2 2/3 to 5 1/3 lbs.	1 qt.	1 to 2 qts.
Walnut	2.5 to 10 pts.	Not labeled	8 lbs.	2 1/2 to 5 lbs.	2 2/3 to 5 1/3 lbs.	1 qt.	1 to 2 qts.
Grapes	2.5 to 10 pts.	2 to 8 lbs.	8 lbs.	2 1/2 to 6 lbs.	2 2/3 to 5 1/3 lbs.	1 qt.	1 to 2 qts.

* GOAL 1.6E herbicide can also be tank mixed with Princep^R 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 1.6E 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 1.6E Herbicide Used Alone".

For pre-emergence control of susceptible weeds, use 10 pints (2.0 lb. active) of GOAL 1.6E herbicide per broadcast acre.

BEST DOCUMENT AVAILABLE

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

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 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 1.6E 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 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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ROHM AND HAAS COMPANYINDEPENDENCE MALL WEST
PHILADELPHIA, PENNSYLVANIA 19105EPA Reg. No. 707-174-AA
EPA Est. No. 707-PA-1

SUPPLEMENTAL LABELING FOR GOAL 1.6E HERBICIDE

DIRECTIONS FOR USE
COTTON
POST-DIRECTED SPRAY

GENERAL INFORMATION

707-174

GOAL 1.6E 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 1.6E 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 1.6E 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
PIGWEED, 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 1.6E herbicide is recommended as a post-directed application at 1.25 to 2.5 pints (0.25 to 0.5 lb. active) per acre*. Optimum control is achieved

when 2.5 pints of GOAL 1.6E 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 1.25 pints of GOAL 1.6E 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 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

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 1.6E 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 1.6E herbicide on nightshade and groundcherry species.

METHOD OF APPLICATION (SOUTHERN AND WESTERN COTTON)

Accurate, uniform placement of GOAL 1.6E herbicide spray is essential for effective weed control and to minimize cotton injury. As a directed postemergence application, GOAL 1.6E 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.

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)

- Follow General Use Restrictions listed on the GOAL 1.6E label.
- Southern Cotton: Do not apply more than 2.5 pints (0.5 lb. active) per broadcast acre of GOAL 1.6E herbicide per season as a result of a single application or multiple applications.
- Western Cotton: Do not apply more than 2.5 pints (0.5 lb. active) of GOAL 1.6E herbicide per broadcast acre in a single application, or more than a total of 5.0 pints (1.0 lb. active) of GOAL 1.6E herbicide per broadcast acre per season as a result of multiple applications.
- Do not apply within 75 days of harvest.

JAH:fs
(Doc. #6076E/20Z)
9/30/83

14 days during which and one year as every 7 days during wet weather. Direct spray to cover foliage, cover developing fruit.

... .. treated INFRACON anthracnose

... .. when weather conditions

VEGETABLES

ACCEPTED
DEC 12 1983
for the Federal Insecticide, Fungicide and Rodenticide Act
Monsanto Company