

Reg # 707-114

PM-23

103

ROHM AND HAAS COMPANY

INDEPENDENCE MALL WEST
PHILADELPHIA, PENNSYLVANIA 19105

EPA Reg. No. 707-74-AA
EPA Est. No. 707-PA-1



SUPPLEMENTAL LABELING FOR GOAL 1.6E HERBICIDE

REGISTERED
28 DEC 1991
Under the Federal Insecticide,
Fungicide and Rodenticide Act,
this pesticide
707-124

DIRECTIONS FOR USE
COTTON
POST-DIRECTED SPRAY

GENERAL INFORMATION

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. Crop response may be enhanced if applications are made when excessive soil moisture is present or if rainfall occurs following application. Cotton will outgrow this condition and continue to develop normally.

DOSAGE

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* are 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* are applied. See "Mixing Directions" for surfactant recommendation. 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:

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

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
CROTON, TROPIC
GROUNDCHERRY, CUTLEAF
GROUNDCHERRY, WRIGHT
JIMSONWEED
LAMBSQUARTERS, COMMON

Xanthium pensylvanicum
Croton glandulosus
Physalis angulata
Physalis wrightii
Datura stramonium
Chenopodium album

BEST AVAILABLE COPY

MORNINGGLORY, ANNUAL (up to 6 leaf)	Ipomoea species
NIGHTSHADE, AMERICAN BLACK	Solanum nodiflorum
NIGHTSHADE, BLACK	Solanum nigrum
NIGHTSHADE, HAIRY	Solanum sarrachoides
PIGWEEED, REDROOT	Amaranthus retroflexus
*POINSETTIA, WILD	Euphorbia heterophylla
PURSLANE, COMMON	Portulaca oleracea
SESBANIA, HEMP	Sesbania exaltata
**SICKLEPOD	Cassia obtusifolia
*SIDA, PRICKLY (TEAWEEED)	Sida spinosa
SMARTWEEED, PENNSYLVANIA	Polygonum pensylvanicum
VELVETLEAF	Abutilon theophrasti

- * Multiple applications may be required for acceptable control.
- ** Post-direct applications of GOAL 1.6E herbicide will kill or suppress seedlings not exceeding the one true leaf stage.

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 rigid precision ground sprayer equipment. The use of spray shields is recommended 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 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 rigid precision ground sprayer equipment. The use of spray shields is recommended 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.

To obtain the maximum benefit of postemergence activity, encourage weed emergence by irrigating prior to spraying. Irrigate immediately 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. Do not exceed 25 psi. 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.

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GOAL 1.6E herbicide can be applied using a post-direct spray rig with only 2 flat fan nozzles per row, 1 nozzle on each side of the row. Additional care should be taken when adjusting sprayer prior to application. For best coverage, it is suggested to use 4 flat fan nozzles per row, 2 nozzles on each side of the row. The 2 forward nozzles should point forward and downward while the rear nozzles should point to the rear and downward. With either sprayer system, nozzles should be adjusted to cover the weed foliage with minimum contact to the cotton plant. Do not use cone nozzles.

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 cotton, a tank mixture of GOAL 1.6E herbicide with either Bladex, Karmex or MSMA can be applied as a post-directed application. Apply at the recommended rates and growth stages to susceptible weed species in a manner described on the respective labels.

RATE OF PRODUCT PER ACRE

BLADEX 4L 1.2 to 2 pts.
KARMEX 80W 0.25 to 0.5 lb.
MSMA 6.6 2.4 pts.

COTTON - SOUTHERN AND WESTERN

SPECIFIC USE RESTRICTIONS

- In addition to the following, also observe GENERAL USE RESTRICTIONS listed at the end of the GOAL 1.6E herbicide 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.
- 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. Do not apply within 90 days of harvest.
- 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. Do not apply 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.

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