

**ROHM AND HAAS COMPANY**INDEPENDENCE MALL WEST  
PHILADELPHIA, PENNSYLVANIA 19105

9541-M1a



GOAL(R) 1.6E HERBICIDE (707-174)

DIRECTIONS FOR USE  
ONIONGENERAL INFORMATION

GOAL 1.6E is a selective herbicide for postemergence application to direct seeded and transplanted onions for early postemergence control of certain broadleaf and grass weeds. Initial spray application should be made when the onions have two (2) fully developed true leaves. On onion transplants spray as soon after transplanting as practical. GOAL 1.6E herbicide can cause necrotic lesions, twisting, pigtailing or stunting of the onion plants. Injury will be more severe if applications are made during cool, wet weather and/or if applications are made prior to the full development of two true leaves on the onion plants.

WEEDS CONTROLLED

GOAL 1.6E herbicide will provide postemergence control of the following weeds when applied at the recommended dosage and leaf stage (2 to 4 leaves).

CANARYGRASS (ANNUAL)  
GROUNDSEL, COMMON  
MALLOW, LITTLE (MALVA)  
PIGWEEED, PROSTRATE  
PIGWEEED, REDROOT  
PUNCTUREVINE  
PURSLANE, COMMON  
ROCKET, LONDON  
SAGE, LANCELEAF  
SHEPHERDSPURSE  
SOWTHISTLE, ANNUAL

Phalaris canariensis  
Senecio vulgaris  
Malva parviflora  
Amaranthus blitoides  
Amaranthus retroflexus  
Tribulus terrestris  
Portulaca oleraceae  
Sisymbrium irio  
Salvia lanceolata  
Capsella bursa-pastoris  
Sonchus oleraceus

DOSAGE  
SEEDED ONIONS

CALIFORNIA, ARIZONA, NEW MEXICO, TEXAS, IDAHO, WASHINGTON, OREGON, NEVADA,  
UTAH, COLORADO

Apply 0.6 to 1.25 pints of GOAL 1.6E herbicide (0.12 to 0.25 lb. active ingredient per acre) postemergence to onions that have at least two (2) true leaves. Multiple treatments at the aforementioned rates may be applied, but total amount of active ingredient applied in one use season must not exceed 2.5 pints of product (0.5 lb. active ingredient per acre).

ALL OTHER STATES

Apply 0.6 pint of GOAL 1.6E herbicide (0.12 lb. active ingredient per acre) postemergence to onions that have at least two (2) true leaves. Multiple treatments at the aforementioned rates may be applied, but total amount of active ingredient applied in one use season must not exceed 2.5 pints of GOAL 1.6E (0.5 lb. active ingredient per acre).

TRANSPLANTED ONIONS ALL STATES

Transplanted onions are most tolerant of a GOAL 1.6E herbicide application immediately after transplanting. An application of up to 2.5 pints per acre (0.5 lb. active ingredient) within two days of transplanting may be made. If less than 2.5 pints per acre is applied, a second application can be made two weeks or more after transplanting. Do not exceed the maximum use rate of 2.5 pints of GOAL 1.6E herbicide per acre (0.5 lb. active ingredient) per season.

TIMING AND METHOD OF APPLICATION

For best postemergence control of susceptible weeds, apply when the weeds are in the 2 to 4 leaf stage. Application of GOAL 1.6E herbicide after the weeds exceed the maximum leaf stage may result in reduced weed control. More than one postemergence application may be necessary to control subsequent weed flushes.

GOAL 1.6E herbicide should be thoroughly mixed with clean water, at recommended concentrations, and applied in a minimum of 40 gallons of water per acre. Use conventional ground spray equipment with flat fan spray nozzles, at 20 to 40 psi. Accurately calibrate spray equipment prior to each use. Avoid drift to all other crops and non-target areas. Thoroughly flush the spray tank with water before and after each use. Residual GOAL 1.6E remaining in spray equipment may damage other crops. To assist removal of spray-tank residues, add 1 quart of TRITON AG-98 to 100 gallons of water during flushing.

CULTURAL CONSIDERATIONS

On mineral soils, in order to provide maximum preemergence weed control, the soil surface should be smooth and free of excessive trash (clippings, dead weeds, etc.) Rain or irrigation is not necessary immediately following application; however, preemergence weed control is best when application is followed within two weeks by rainfall.

Cultural practices which result in redistribution or disturbance of the soil surface after spraying will destroy the herbicidal effectiveness of the treatment. Cultivations that mix untreated soil in treated areas will also reduce the effectiveness of the treatment. The best results from GOAL 1.6E herbicide are from applications on established beds which are left undisturbed during the time period for which weed control is desired.

SPECIFIC USE RESTRICTIONS

- Do not start spraying until the onions have two (2) fully developed true leaves.
- Do not apply more than a total of 0.5 lb. active (2.5 pints) per acre of GOAL 1.6E during one use season.
- Do not apply within 60 days of harvest.
- Use only on dry bulb onions.
- Do not mix GOAL 1.6E herbicide with oils, surfactants, liquid fertilizers or pesticides.
- Do not apply to onion plants that are under stress due to drought, flooding, excessive fertilizer or soil salts, wind injury, hail, frost damage, injury from previously applied pesticides, or injury due to insects or diseases.

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