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**ROHM AND HAAS COMPANY**

INDEPENDENCE MALL WEST  
PHILADELPHIA, PENNSYLVANIA 19105

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



**SUPPLEMENTAL LABELING FOR GOAL 2E HERBICIDE**

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**ACCEPTED**  
OCT 18 1991  
Under the Federal Insecticide,  
Fungicide, and Rodenticide Act,  
as amended by the pesticide  
registration laws,  
EPA Reg. No. 707-145

**DIRECTIONS FOR USE**  
**MINT (SPEARMINT AND PEPPERMINT)**  
**FOR USE ONLY IN IDAHO, OREGON, AND WASHINGTON**

**GENERAL INFORMATION**

GOAL 2E is a selective herbicide for the control of certain annual grasses and broadleaf weeds in spearmint and peppermint grown in Idaho, Oregon, and Washington. Applications should only be made to spearmint and peppermint that are dormant.

**METHOD OF APPLICATION**

Application must be made prior to new spring growth or severe crop injury may result. GOAL 2E herbicide should be thoroughly mixed with clean water at recommended concentration and applied at 20 to 40 psi in 20 to 40 gallons of water per acre.

**WEEDS CONTROLLED**

When GOAL 2E herbicide is applied as a dormant application at recommended dosages in spearmint and peppermint, the following annual weeds are controlled:

- BEDSTRAW, CATCHWEED
- \*BLUEGRASS, ANNUAL
- FLIXWEED
- GROUNDSEL, COMMON
- LAMBSQUARTERS, COMMON
- LETTUCE, PRICKLY (CHINA LETTUCE)
- MUSTARD, BLUE (PURPLE MUSTARD)
- MUSTARD, TUMBLE (JIM HILL MUSTARD)
- NIGHTSHADE, HAIRY
- \*OATS, WILD
- ORACH, RED
- PEPPERWEED, YELLOWFLOWER
- PIGWEEED, REDROOT
- \*RYEGRASS, ITALIAN
- SHEPHERDSPURSE
- SOWTHISTLE, ANNUAL
- TANSYMUSTARD
- THISTLE, RUSSIAN

- Galium aparine
- Poa annua
- Descurainia sophia
- Senecio vulgaris
- Chenopodium album
- Lactuca serriola
- Chorispora tenella
- Sisymbrium altissimum
- Solanum sarachoides
- Avena fatua
- Atriplex rosea
- Lepidium perfoliatum
- Amaranthus retroflexus
- Lolium multiflorum
- Capsella bursa-pastoris
- Sonchus oleraceus
- Descurainia pinnata
- Salsola kali

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\*Control of annual grasses is best obtained when GOAL 2E herbicide is applied prior to emergence. Postemergence control of winter annual grasses is generally unsatisfactory if applications are made after the 1 to 2 leaf stage. ✓

#### WESTERN OREGON

##### PEPPERMINT (WILLAMETTE VALLEY)

Apply 2 to 3 pints (0.50 to 0.75 lb. active) of GOAL 2E herbicide from November through February to dormant peppermint only. Treatments in January or February generally provide better residual preemergence control of annual broadleaf weeds. Full season weed control should not be expected from this treatment. ✓

DO NOT APPLY GOAL 2E HERBICIDE IN THE WILLAMETTE VALLEY TO MINT THAT HAS BEEN PLOWED.

#### OREGON AND WASHINGTON (EAST OF CASCADES) AND WESTERN IDAHO

##### SPEARMINT AND PEPPERMINT

Apply 4 to 8 pints (1 to 2 lb. active) of GOAL 2E herbicide from December through March to dormant mint only. Later winter applications will provide maximum activity on summer weeds. Summer grass control may be inconsistent. For best results, fall-plowed fields should be harrowed to provide a smooth surface prior to application. Plowed fields should not be harrowed after GOAL 2E herbicide has been applied, as soil disturbance will decrease the herbicidal effectiveness. In furrow-irrigated fields, corrugating must be done prior to application. Corrugating after application can cover treated rows with untreated soil, resulting in poor weed control. ✓

##### CULTURAL CONSIDERATIONS

In order for GOAL 2E herbicide to provide maximum preemergence activity:

Prior to application, the bed or soil surface should be smooth and free of crop and 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. ✓

After application, at least one-quarter inch (1/4 inch) of irrigation or rainfall should occur within 3 or 4 weeks after application. The best results from GOAL 2E herbicide are from applications to established beds or soil surfaces that are left undisturbed during the time period for which weed control is desired. 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.

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**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 herbicides to the spray tank. The order of addition to the spray tank should be wettable powders first, flowables second, and liquids last. Complete filling of the spray tank with water. For all applications of GOAL 2E herbicide (except onions) where postemergence weed control is desired, add 2 to 4 pints of LATRON AG-98® (or comparable 80% active nonionic surfactant cleared for application to growing crops) per each 100 gallons of spray. The addition of 4 pints of LATRON AG-98 per 100 gallons of spray is recommended to enhance postemergence activity when hard water (greater than 600 ppm) is used as carrier. Maintain agitation until spraying is completed.

Spray equipment should be calibrated carefully before each use.

Dosages listed on this label are for broadcast application. For banded application, the amount of GOAL 2E herbicide used per acre should be reduced according to the following formula:

$$\frac{\text{Row Width (in inches)}}{\text{Bang Width (in inches)}} \times \text{Rate Per Broadcast Acre} = \text{Amount Needed Per Acre For Banded Application}$$

**MINT (SPEARMINT AND PEPPERMINT)  
SPECIFIC USE RESTRICTIONS**

In addition to the following, also observe GENERAL USE RESTRICTIONS listed at the end of this label.

- Do not apply more than one application of GOAL 2E herbicide per season.
- Apply GOAL 2E herbicide only to healthy spearmint and peppermint. Do not apply to spearmint or peppermint that has been weakened by disease, nematodes, soil insects, or winter injury, as severe injury may result.

JAH:drb  
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