

**CAUTION:** Do not use on newly seeded lawns until after third mowing. Do not reseed lawns until 3 weeks after last application, and weed plants are dead. Bents, Fescues and Clovers may be temporarily discolored. Do not use on St. Augustine, Carpet, Dichondra or Centipede grasses or on Bent Golf Greens.

**WARNING:** Harmful if swallowed. Do not get in eyes, on skin or on clothing. In case of contact wash immediately with warm soap and water. For eyes, flush with clear water and get medical attention. Avoid inhalation of spray mist.

Avoid contamination of feed, foodstuffs, streams or other water sources. Do not spray or allow spray drift on desirable flowers, trees, shrubs or vegetables. Do not store near fertilizers, seeds, insecticides or fungicides. Thoroughly clean spray equipment with a suitable chemical cleaner before using for other purposes. Keep out of reach of children and domestic animals.

**NOTICE:** Buyer assumes all risks of use, storage or handling of this material not in strict accordance with directions given here with.

Licensed for use in the control of crabgrass according to the method of Pat. No. 2,678,265

USDA Registration No. 904-132

Manufactured for

**B. G. PRATT COMPANY, PATERSON, N. J. 07509**

© 1951 BGP Co.



**KILLS CRABGRASS & LAWN WEEDS SUCH AS DANDELION & PLANTAIN**

ACTIVE INGREDIENTS	Ev. Weight
Dodecyl Ammonium Methanesulfonate	8.00%
Octyl Ammonium Methanesulfonate	8.00%
Octyl Ammonium Salt of 2,4-Dichlorophenoxyacetic Acid	5.44%
INERT INGREDIENTS	78.56%
Total	100.00%
Total Arsenic, Metallic and in water-soluble form	4.00%
Equivalent to 2.5 Dichlorophenoxyacetic Acid	3.43%

**WARNING: KEEP OUT OF REACH OF CHILDREN**

See side panel for additional CAUTIONS

NET CONTENTS: 1 PINT

This formulation contains a combination of herbicides that will kill CRABGRASS and many BROADLEAF LAWN WEEDS in the same application. The broadleaf weeds include Dandelion, Knotweed, Plantain, Pennywort, Purslane and Spotted Spurge.

**DIRECTIONS**

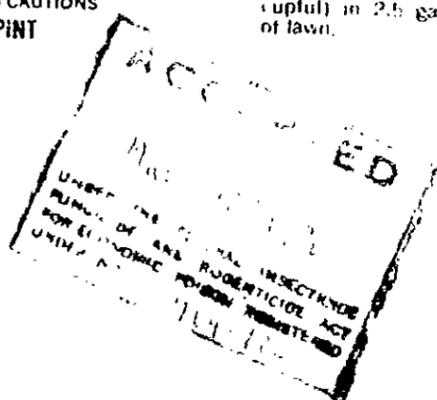
For best results apply in the late Spring or early Summer when the plant growth is vigorous and before the seed heads have formed. The soil should be moist and the lawn in good growing condition before and three days after treatment. If necessary irrigate the day before treatment, then again two days after the day of application. Late afternoon is the preferred time for treatment.

Measure the area to be treated and apply the correct amount of chemical evenly over the entire lawn area. Use a hose-end sprayer or any applicator that will deliver a coarse spray preferably in a "fan" pattern.

Two or more treatments at seven day intervals may be necessary until weed plants are killed. Applications may be necessary later in the season as new seedlings germinate. The amount of chemical to be applied is dependent on the temperature.

**FOR TEMPERATURE 80° AND ABOVE:** Dilute 4 oz. (1/2 cupful) in 2.5 gallons of water for 500 sq. ft. of lawn.

**FOR TEMPERATURE BELOW 80°:** Dilute 8 oz. (1 cupful) in 2.5 gallons of water for 500 sq. ft. of lawn.



## PROCEDURE

### Standard Preparation:

Into a tared 10 ml volumetric flask, weigh  $0.1 \pm 0.01$  g methazole. Bring to volume with spectrograde acetone. See Note 1.

### Sample Preparation:

Into a tared 10 ml volumetric flask weigh a sample equivalent to the weight of the standard. Bring to volume with spectrograde acetone.

### Determination of Absorbances:

- (1) Obtain the spectra of standard and sample over the range of  $850-720 \text{ cm}^{-1}$  (11.75-13.9 microns) using 0.5 mm NaCl cells. Use acetone in the reference cell.
- (2) Obtain the absorbance at  $755 \text{ cm}^{-1}$  (13.25 microns) using as a reference a horizontal baseline tangent to the minimum at  $845 \text{ cm}^{-1}$  (11.8 microns).

Methazole, Weight % =

$$\frac{\text{Sample Absorbance} \times \text{Factor}}{\text{Sample Weight}}$$

WHERE Factor =

$$\frac{\text{Weight Reference} \times \% \text{ Purity Reference}}{\text{Absorbance-Reference}} \\ \frac{\text{methazole} \quad \text{methazole}}{\text{methazole}}$$

**Note 1:** The weights given are for the specified 0.5 mm cell. For cells of other thicknesses, adjustment of weights must be made to obtain an absorbance on the standard of about 0.2 - 0.5 (30 - 65% transmittance). Corresponding adjustments of sample weight should also be made.

## II. ASSAY OF METAZOLE IN SOLID FORMULATIONS

### APPLICABILITY

This method is applicable for the analyses of methazole in solid formulations.

### PRINCIPLE

The method is based on the quantitative extraction of methazole from the formulation. The extracted methazole is analyzed by infrared spectroscopy utilizing the band at  $755 \text{ cm}^{-1}$  (13.25 microns).