

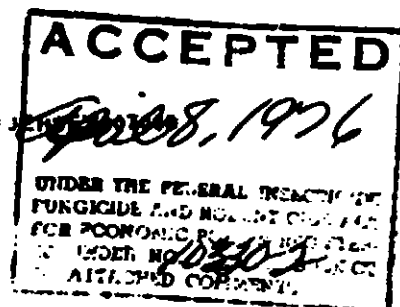


UNION CARBIDE CORPORATION
LINDE DIVISION

P.O. BOX 372, 81 CRAEWOOD ROAD, SOUTH PLAINFIELD, NEW JERSEY 07080

NATIONAL SPECIALTY
GAS OFFICE

SUPPLEMENTAL LABELING
EPA REG. NO. 10330-2



LINDE Ethylene - Directions for Use in Witchweed Control

CROPS: Corn, Cotton, Peanuts, Soybeans

APPLICATION DATES: May through July

PRECONDITIONING PERIOD: The witchweed seeds must be exposed to adequate moisture and temperature above 72°F for a period of at least two weeks prior to application of the ethylene.

APPLICATION: A soil injector is used to apply the ethylene, and the gas is delivered from the cylinder through a regulator and a flowmeter. Shanks attached to a tool bar release the gas approximately 6 to 10 inches below the soil surface. The maximum shank spacing will not exceed 40 inches. The rate of application is 1.5 pounds per acre. (1.5 pounds per acre equals 19.47 cubic feet.) The treatment rate can be calculated using the following formula:

$(\text{Tractor speed, MPH}) (.12) (\text{Treatment width, ft.}) (\text{Recommended application rate, cubic ft. per acre}) = \text{Flow rate in cubic feet per hour.}$

NOTE: The flow meter is used to measure the flow rate in cubic feet per hour of the gas applied.

The ethylene may be injected broadcast throughout a fallow field or it may be injected between the crop rows.

Do not till the soil within 8 hours after application.

Witchweed commonly occurs in sandy soil; however, the use of ethylene to control witchweed is not restricted to soil texture. In coarse, sandy soil the ethylene disperses in a 48-inch radius from the point of injection, while a 30-inch radius of dispersal is found in clay soils.

For use by or under supervision of USDA Personnel only.

Sequential applications with other herbicides may result in crop injury.

Injection between row crops without additional weed control techniques will give no witchweed control in the current season.

Technical Reference: "A Witchweed Seed Germination Stimulant", Robert E. Eplee, USDA Witchweed Method Development Laboratory, Whiteville, NC.

IMPORTANT:

BEFORE USING LINDE ETHYLENE, READ AND CAREFULLY OBSERVE THE CAUTIONARY STATEMENTS AND ALL OTHER INFORMATION APPEARING ON THE PRODUCT LABEL.

THIS BULLETIN CONTAINS NEW OR SUPPLEMENTAL INSTRUCTIONS FOR USE OF THIS PRODUCT WHICH MAY NOT APPEAR ON PACKAGE LABEL. FOLLOW THE INSTRUCTIONS CAREFULLY.

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