

# WEED-HOE 108

Liquid MSMA + Surface

**ACTIVE INGREDIENT:**

Monosodium Acid Methanearsonate . . . . . 47.8%

**INERT INGREDIENTS:** . . . . . 52.2%

TOTAL . . . . . 100.00%

Total Arsenic, as elemental, all in water soluble form . . . . . 22.1%

MSMA per gallon . . . . . 6.0 lbs.

## CAUTION: KEEP OUT OF REACH OF CHILDREN

Harmful if swallowed. Avoid breathing of spray mist. Keep children and domestic animals away from treated areas until chemical is washed into soil. WASH HANDS AFTER TREATMENT. Do not graze treated areas or feed livestock treated forage. Do not store near feed of foodstuffs. RINSE EMPTY CONTAINER THOROUGHLY WITH WATER AND DISCARD IT.

**ANTIDOTE:** If taken internally, induce vomiting, call physician at once.

**NOTICE:** Buyer assumes all responsibility for safety and use not in accordance with directions.

A Product Manufactured by  
The Vineland Chemical Co.



**VINELAND CHEMICAL COMPANY**  
VINELAND, NEW JERSEY

**PRODUCT INFORMATION:** WEED-HOE 108 (MSMA) is a PRECISION-Grade product. Contact herbicide - effective through foliar absorption and root penetration - controlled contact insecticide.

WEED-HOE 108 contains a surfactant designed for maximum penetrability in spray solution. The spray tank must contain no more than 1% Non-Ionic Surfactant (NIS). The best results are obtained when spray application is made during the pre-emergence period at 70° F.

### RECOMMENDED RATES FOR BAND TREATMENT OF COTTON

- (1) Note: At the rate of 1 quart per acre, 108 (MSMA) will provide 100% control of broadleaf weeds in cotton or open field cotton, and 70% control of grasses. Use 1 qt. 108 (MSMA) per acre for early 100% control of broadleaf weeds.
- (2) Thoroughly mix solution prior to application. Add 1 qt. 108 (MSMA) to each acre by agitation or mechanical stirring tank.
- (3) Apply as a directed spray to weeds growing cotton 4 inches high and at first bloom. Do not apply after first bloom.
- (4) Calibrate sprayer equipment to guarantee results. Spray nozzles should be adjusted to allow thorough coverage of weeds to just short of run-off with no contact with cotton foliage.
- (5) Should regrowth occur, a second application will be necessary and may be applied at the above rate 1 qt. 108 (MSMA) after the first treatment.

**NON CROP AREAS:** WEED-HOE 108 may be used alone, drainage ditches, roadsides, lawns, vegetable gardens, pastures, roads and semi-arid non-crop areas.

- (1) Use 3 to 6 quarts WEED-HOE 108 in 100 gallons of water. Spray weeds thoroughly just short of runoff. NOTE: Use lower rate (3 qts.) when air temperature is 85° or more. Increase chemical rate proportionally when air temperatures are below 80° F. Follow standard directions as for cotton.
- (2) Four applications, spaced 14 days apart, will be required for an interval of being 100% free of weeds after first treatment.

**FOR ORNAMENTAL TURF:** Use 1 quart 108 (MSMA) per acre may be applied to ornamental lawns, flower beds, shrubs, trees, etc.

Do not treat very tall, immature, thin foliage. Apply when weeds are actively growing. Do not use on Creeping, St. Augustine, Bahia Grasses, DO NOT USE on Bent grass when temperatures are above 85° F., Bermudagrass, and Bluegrass are intolerant. MIX 1 qt. 108 (MSMA) of WEED-HOE 108 in 100 gallons of water per acre. Use 1 qt. tablet (use 1 qt. WEED-HOE 108 in 20 gallons of water and add 1 qt. 108 (MSMA) to it). Repeat application of the tablet to the spray tank after each application.

**WEEDS CONTROLLED:** JOHNSTON GRASS, JOHNSON GRASS, JOOSE GRASS, LATE GRASS, LOVE GRASS, BARNYARD GRASS, LEMON GRASS, CRABGRASS, REDTOP, SPURGE, CHICKWEED, WITCHGRASS, CAP PETEGRASS, CLOVER, DUCKWEED, COCKLEBUR, NUTGRASS, PIGWEED, PUNCTUREWEED, GREED, and LEECHES, FOXFOOT and BAHIA GRASS.

Clean spray equipment after each use by flushing with water. Rinse water may carry domestic wastes, so protect water in areas used by public drinking water systems.

**NET CONTENTS 30 GALLONS**

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