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Mix MCNAB H.C. Herbicide at a rate of 2 to 5 pints, plus 1 to 2 quarts of a suitable surfactant such as Anmix-146 which is a suitable, nonionic surfactant cleared for use on growing crops, in 100 gallons of water. Spray the unwanted vegetation thoroughly to just short of run-off. Any spray equipment that gives good coverage may be used. If regrowth occurs, reapply as required.

LAWN AND ORNAMENTAL TURF: MONATE H.C. herbicide is useful for control of Dallisgrass, sandbur, bahiagrass, nutsedge, barnyardgrass, chickweed and wood sorrel with little or no injury to good lawn grasses. On new lawns, do not treat until after three mowings. Good grasses may be temporarily discolored. Zoysia, bluegrasses, and bermuda are quite tolerant. Do not use on St. Augustine or centipede.

Young lawns 1 to 1½ inches high before treatment. Mix 1 fluid ounce (2 tablespoons) of MONATE H.C. Herbicide and ½ fluid ounce (1 tablespoon) of a suitable surfactant such as Armix-146 which is a suitable, nonionic surfactant cleared for use on growing crops, in 5 gallons of water and apply to an area of 1,000 square feet. Spray thoroughly to wet all undesirable plants. Repeat applications 10 to 11 days apart, may be needed for good control.

**COTTON:** MONATE H.C. Herbicide is useful as a directed application in cotton for the post-emergent control of weeds and grasses such as Johnsongrass, nutsedge, dallisgrass, cocklebur, barnyardgrass, ragweed, sandbur and puncture vine. It should be applied at the rate of 1 quart per acre.

Add 5 pints of MONATE H.C. Herbicide and 1 to 2 quarts of a suitable surfactant such as Armix-146 which is a suitable nonionic surfactant cleared for use on growing crops, to 100 gallons of water and mix thoroughly. Apply spray solution at 40 gallons per acre. Weed control is most effective at temperatures above 70°F. For band application in 40 inch rows, apply 1 gallon of spray solution to the base of the cotton plant. Nozzles should be placed so as to avoid spraying the cotton foliage. A second application may be required during humid growing conditions to control perennials, such as Johnsongrass and nutsedge. Apply the second application 1 to 3 weeks later.

Slight burning and a reddish discoloration of the cotton leaf may occasionally occur following the recommended treatment, but the cotton plant will develop normally.

Apply only when cotton is 3 inches high to first bloom. Do not  
feed treated foliage to livestock, or graze treated areas.  
Do not apply after first bloom.

## WARRANTY

Cumberland Chemical Corporation warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes referred to in the directions for use. Cumberland Chemical Corporation makes no other warranties, express or implied, including fitness or merchantability. In no case shall Cumberland Chemical Corporation or the Seller be liable for consequential, special or indirect damages resulting from the use or handling of this product. The foregoing is a condition of sale by Cumberland Chemical Corporation and is accepted as such by the Buyer.

**BEST DOCUMENT**

**Figure 6.**

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA sec. 6(a). Your release for shipment of the product constitutes acceptance of these conditions.

A stamped copy of the label is enclosed for your records.

Richard F. Mountfort *RFM*  
Product Manager (23)  
Fungicide-Herbicide Branch  
Registration Division (TS-7a7)

Enclosure



# MONATE H.C.

MSMA Liquid  
Herbicide for Selective  
Post Emergent Weed Control

## ACTIVE INGREDIENT:

Monosodium Acid Methanearsonate ..... 59.0%

INERT INGREDIENTS: ..... 11.0%

100.0%

Total Arsenic (as elemental) all in

water soluble form ..... 27.3%

This product contains 8.0 lbs. MSMA per gallon.

KEEP OUT OF REACH OF CHILDREN

## CAUTION

Harmful if swallowed. If swallowed, drink 1 or 2 glasses of water and induce vomiting by touching back of throat with finger. Do not induce vomiting or give anything by mouth to an unconscious person. Get medical attention.

Harmful if absorbed through skin. Avoid contact with skin, eyes, or clothing. Remove contaminated clothing and wash before reuse.

Harmful if inhaled. Avoid breathing spray mist. Causes eye irritation. If in eyes, flush with plenty of water. Get medical attention if irritation persists.

See side panel for additional precautionary statements.

Manufactured by: Cumberland Chemical Corporation  
1523 No. Post Oak Road  
Houston, TX. 77055

Establishment No.: 47115-TX-01

EPA Reg. No.: 47115 9

Net Contents One Gallon

714 Size

PRECAUTIONARY STATEMENTS  
KEEP OUT OF REACH OF CHILDREN  
CAUTION

Keep children and domestic animals off treated areas until material has dried.

Do not feed treated foliage to livestock or graze treated areas.

ENVIRONMENTAL HAZARDS

Do not apply directly to water. Do not contaminate water by cleaning of equipment or disposal of waste.

Do not contaminate waters used for domestic consumption or by animals, wildlife and aquatic life, or for irrigation purposes.

DIRECTIONS FOR USE

IT IS A VIOLATION OF FEDERAL LAW TO USE THIS PRODUCT IN A MANNER INCONSISTENT WITH ITS LABELING.  
USE WHEN TEMPERATURE IS AT LEAST 70°F.

READ ENTIRE LABEL BEFORE USING THIS PRODUCT.

STORAGE AND DISPOSAL

HERBICIDE DISPOSAL: Herbicide, spray mixture, or rinse water that cannot be used according to label instructions must be disposed of according to applicable Federal, State or Local procedures.

CONTAINER DISPOSAL: Triple rinse. Then offer for recycling or reconditioning, or dispose of in a sanitary landfill, or by incineration if allowed by State and local authorities.

GENERAL INFORMATION: MONATE H.C. Herbicide is useful for selective post-emergent weed control, particularly for grassy weeds. Its activity is enhanced by addition of a suitable surfactant such as Armix-146 which is a suitable, nonionic surfactant cleared for use on growing crops, to the spray solution. It is most effective on young, actively growing weeds at air temperatures above 70°F. Its phytotoxic properties are quickly inactivated on contact with soil.

MIXING INSTRUCTIONS: MONATE H.C. Herbicide must be thoroughly mixed. Fill the spray equipment reservoir about half full with water and add the required amount of herbicide and a surfactant such as Armix-146 which is a suitable, nonionic surfactant cleared for use on growing crops, with agitation. Finish filling the reservoir with water and apply. After use, clean equipment thoroughly by flushing with water. Do not store spray solution in tank for a prolonged period.

BEST DOCUMENT AVAILABLE