

PM-22

Reg # 9779-317

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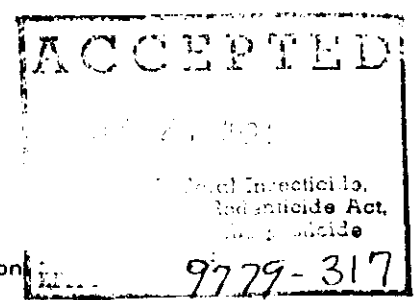
PROMETRYNE + MSMA

Herbicide with surfactant for weed control in cotton

ACTIVE INGREDIENTS

Prometryn: 2,4-bis (isopropylamino)	
-6-methylthio-s-triazine	8.4%
Monosodium acid methanearsonate*	33.6%
INERT INGREDIENTS	58.0%

TOTAL 100.0%



*Total arsenic, as elemental, all in water soluble form 15.5%.
 PROMETRYNE + MSMA contains 1 lb. prometryn and 4 lbs. MSMA per gallon.

KEEP OUT OF REACH OF CHILDREN

CAUTION

STATEMENT OF PRACTICAL TREATMENT

- IF SWALLOWED:** Call a physician or Poison Control Center. 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.
- IF ON SKIN:** Wash with plenty of soap and water. Get medical attention if irritation persists.
- IF IN EYES:** Flush with plenty of water. Get medical attention if irritation persists.
- IF INHALED:** Remove victim to fresh air and apply respiration if indicated.

PRECAUTIONARY STATEMENTS

CAUTION

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

Harmful if swallowed, inhaled or absorbed through the skin. Causes eye irritation. Avoid contact with skin, eyes, or clothing. Avoid breathing vapor or spray mist.

Personal Protective Equipment:

Applicators and other handlers (other than mixers and loaders) must wear long-sleeved shirt and long pants, waterproof gloves, and chemical-resistant footwear plus socks. For exposures outdoors, use a dust/mist filtering respirator (MSHA/NIOSH approval number prefix TC-21C). For exposures in enclosed areas, use a respirator with either an organic vapor-removing cartridge with a prefilter approved for pesticides (MSHA/NIOSH approval number prefix TC-23C), or a canister approved for pesticides (MSHA/NIOSH approval number prefix TC-14G).

Mixers and Loaders must wear long-sleeved shirt and long pants, waterproof gloves, chemical-resistant footwear plus socks, protective eyewear, and a chemical-resistant apron when mixing or loading. For exposures outdoors, use a dust/mist filtering respirator (MSHA/NIOSH approval number prefix TC-21C). For exposures in enclosed areas, use a respirator with either an organic vapor-removing cartridge with a prefilter approved for pesticides (MSHA/NIOSH approval number prefix TC-23C), or a canister approved for pesticides (MSHA/NIOSH approval number prefix TC-14G).

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

When handlers use closed systems, enclosed cabs, or aircraft in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240 (d) (4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS.

USER SAFETY RECOMMENDATIONS

Users should wash hands before eating, drinking, chewing gum, using tobacco or using the toilet. Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

Read Additional PRECAUTIONARY STATEMENTS.

EPA Reg. No. 9779-317

EPA Est. No. 9779-AR-1

Manufactured For
 RIVERSIDE/TERRA CORPORATION
 P.O. Box 6000, Sioux City, Iowa 51102
Riverside Serves Agriculture. Agriculture Serves Everyone.

NET CONTENTS

ENVIRONMENTAL HAZARDS

Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment washwaters.

DIRECTIONS FOR USE

It is a violation of federal law to use this product in a manner inconsistent with its labeling.

Do not apply this product through any type of irrigation system.

Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE), and restricted-entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 12 hours.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water, is: coveralls, waterproof gloves, and chemical-resistant footwear plus socks.

STORAGE AND DISPOSAL

DO NOT CONTAMINATE WATER, FOOD, OR FEED BY STORAGE OR DISPOSAL.

STORAGE

Store in a dry location away from children, animals, foods, feeds, seeds, and other agricultural chemicals. Handle in accordance with information given under PRECAUTIONARY STATEMENTS. In the event of spillage or leakage, soak up material with absorbent clay, sand, sawdust, or other absorbent material. Scrape up and dispose of in accordance with information given under DISPOSAL. Repackage and relabel useable product in a sound container. In case of fire or other emergency, report at once by toll-free telephone to 800-424-9300.

DISPOSAL

PESTICIDE DISPOSAL: Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

CONTAINER DISPOSAL: Plastic Containers-Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by incineration, or, if allowed, by state and local authorities, by burning. If burned, stay out of smoke.

GENERAL INFORMATION

Shake well before using. Use entire contents at one time.

Postemergence directed application of PROMETRYNE + MSMA in cotton will control most annual broadleaf and grassy weeds such as pigweed (carelessweed), teaweed (*Sida* spp.), annual morningglory, ragweed, groundcherry, lambsquarters, Florida pusley, purslane, malva, *Panicum* spp., cocklebur, velvetleaf, smartweed, carpetweed, coffeeweed, foxtail, barnyardgrass (watergrass), dallisgrass, crabgrass, goosegrass, sandbur, seedling johnsongrass, *Brachiaria* spp., and nutsedge.

When applied to emerged weeds as a directed spray, PROMETRYNE + MSMA provides foliar knockdown of existing weeds.

Special care must be taken in making band or broadcast postemergence applications of PROMETRYNE + MSMA to prevent contact of the spray with cotton leaves or injury may occur. Recommended practices to utilize in making such applications include: (1) using precision application equipment so that the spray may be accurately directed to the base of the cotton plants and still thoroughly cover the soil and weeds beneath the cotton plants; (2) making applications during calm periods to prevent wind drift; (3) using branch lifters or shields if leaf contact cannot be avoided merely by directing the spray; (4) applying only when all plants have exceeded the minimum recommended height; and (5) applying to level well-prepared surfaces such as beds made with bedshapers that are relatively free of clods.

Applications to cotton less than ten inches tall should be made only when the cotton is bed or flat-planted. Application to furrow-planted cotton should not be made until the furrows are level (plowed in).

Cotton under stress due to unfavorable environmental conditions such as drought, cultivator damage, or fertilizer applications should not be treated.

COTTON THREE TO SIX INCHES TALL (Texas, Arkansas, Louisiana, Mississippi, Missouri and Tennessee)

Extreme care should be taken in making applications to cotton 3-6 inches tall so that the spray does not contact cotton leaves. Applications must be made with a precision applicator equipped with fenders or shields such as Bell Row Shield, Dickey Fenders or W&A Fenders.

COTTON SIX OR MORE INCHES TALL (All Regions)

Applications of PROMETRYNE + MSMA may be made any time after cotton is six inches tall but before it reaches the first bloom stage.

RATE OF APPLICATION (All Regions and Recommended Sizes of Cotton): PROMETRYNE + MSMA should be applied at the rate of 2 qts. per acre broadcast in 10-40 gals. of water.

For calculation of band application rate, use the following formula:

$$\frac{\text{band width (inches)}}{\text{row width (inches)}} \times 2 \text{ qts. per acre} = \text{qts. needed per acre}$$

Applications should be made to weeds not more than 2 inches in height. A second application may be required to control weeds such as nutsedge, watergrass, and johnsongrass. Apply the second application approximately 1-3 weeks after the first application.

SPRAY EQUIPMENT INFORMATION

Accurate, uniform placement of PROMETRYNE + MSMA spray is essential for effective weed control and to avoid crop injury. PROMETRYNE + MSMA can be applied with low pressure spray equipment.

AGITATION: PROMETRYNE + MSMA is a suspended formulation. It is very important to provide adequate agitation in the spray tank to avoid any possibility of settling. Mechanical or jet agitation is recommended. If jet agitation is used, a separate line leading directly from the pump (between the pump and shut-off valve) into the sprayer tank should be provided. This line should be equipped with a jet agitator with a fixed orifice (opening). Make sure this line reaches the bottom of the tank. If two tanks are used, both should be equipped for continuous agitation.

PUMPS: Use a pump with capacity to maintain 35-40 psi at the nozzles. If hydraulic agitation is used, the pump should also provide sufficient agitation in the tank to keep the mixture in suspension.

PRESSURE REGULATORS: Sprayers should be equipped with a pressure regulator that will eliminate pulsation. The pressure regulator should be equipped with an accurate pressure gauge.

CALIBRATION: Several methods can be used to calibrate the sprayer. Whichever method is used, the calibration procedure should be done with extreme care. Calibrate under actual field conditions. Care should then be taken to maintain constant speed and pressure during the spraying operation. It is suggested that sprayer calibration be checked periodically.

TANKS: It is very important that tanks be inspected and cleaned to make sure they are free of corrosion and other contaminants.

NOZZLE TIPS: For band application, use off-center nozzle tips. For broadcast application, use 80° fan-type nozzle tips or off-center nozzle tips.

STRAINERS AND SCREENS: All strainers and screens should be 50-mesh or coarser. An in-line strainer should be placed on the intake side of the pump and screens should be placed just behind each nozzle tip. The use of pressure regulated check valves in nozzle strainers is recommended to prevent nozzles from dripping.

BOOMS AND HOSES: It is important that booms and hoses be of sufficient size to provide uniform delivery of spray volume to nozzles. Experience has shown that spray booms and hoses with a minimum diameter of 1/2 inch are adequate.

MIXING: Shake the PROMETRYNE + MSMA container well before pouring. Add about 1/2 the total volume of water to the tank. Start the pump to provide agitation and pour in the desired amount of herbicide concentrate. Rinse empty herbicide containers and pour into spray tank. Add water to make the total desired volume.

CLEANING SPRAYERS: Sprayers used to apply PROMETRYNE + MSMA should be thoroughly washed out immediately after use to prevent drying of the herbicide in the tank. Remove each nozzle tip and screen and clean thoroughly. Flush tank, pump, hose and boom with several changes of water. Sprayers used to apply PROMETRYNE + MSMA should not be used to apply pesticides on sensitive crops such as tobacco, sugar beets, or vegetables as even small residues of PROMETRYNE + MSMA in the tank may cause injury to these crops.

SUGGESTIONS FOR CROP ROTATION

The cover crops and vegetable crops listed below may be planted in rotation in the fall when PROMETRYNE + MSMA was used on cotton as a single preemergence treatment at the rate of 2 lbs. per acre (maximum one application per year).

If postemergence treatments other than those recommended herein or if Caparol 80W preemergence treatments are used, fall-seeded crops should not be planted. Also, spring-seeded crops in California and Arizona and spring-seeded vegetable in the Rio Grande Valley of Texas should not be planted until after April 1st.

VEGETABLES - Cabbage, onions, red beets, okra, peas, sweet corn.

COVER CROPS* - Oats, winter barley, sorghum, winter rye, winter wheat.

*These crops may be planted provided they are plowed down and not used for food or feed.

PRECAUTIONS: Do not apply more than 1 gal. of PROMETRYNE + MSMA per acre per year. Do not apply to glandless cotton varieties or crop injury will occur. Do not feed treated foliage to livestock or allow grazing on treated areas.

NOTICE: Seller warrants that the product conforms to its chemical description and is reasonably fit for the purposes stated on the label when used in accordance with directions under normal conditions of use, but neither this warranty nor any other warranty of merchantability or fitness for a particular purpose, express or implied, extends to the use of this product contrary to label instructions, or under abnormal conditions, or under conditions not reasonably foreseeable to Seller, and Buyer assumes the risk of any such use.

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