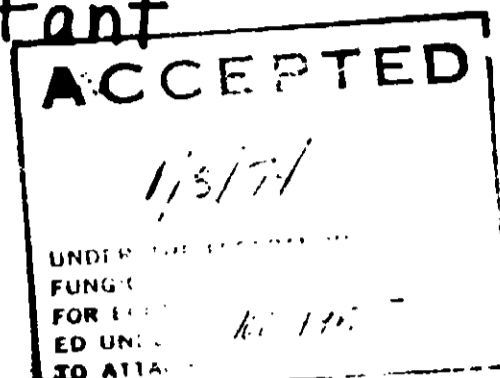


Caparol[®] + MSMA^{*}

with Surfactant



Herbicide

SAMPLE LABEL

For post-emergence directed applications for weed control in cotton.

Active Ingredients:	42.0%
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, all in water soluble form, expressed as elemental 15.5%

*Caparol + MSMA[®] is the trademark of CIBA-GEIGY Corporation for its combination of prometryn herbicide, monosodium acid methanearsonate and Surfactant.

Caparol + MSMA[®] contains 1 lb. prometryn and 4 lbs. MSMA per gallon.

SHAKE PRIOR TO USE
Use entire contents at one time

Caution:
Keep out of reach of children. Harmful if swallowed. If taken internally, induce vomiting and CALL A PHYSICIAN AT ONCE. Avoid contact with eyes, contact with skin, inhalation of vapors or spray mist, and contamination of food and feed. Keep away from domestic animals. Keep children and animals off treated areas.

Do not contaminate water used by wildlife and aquatic life or for domestic and irrigation purposes.

Do not reuse container. Destroy when empty.

EPA Reg. No. 100-495-AA

DIRECTIONS FOR USE AND CONDITIONS OF SALE AND WARRANTY

IMPORTANT: Read the entire Directions For Use and the Conditions Of Sale And Warranty before using this product.

Conditions Of Sale And Warranty

The Directions For Use of this product reflect the opinion of experts based on field use and tests. The directions are believed to be reliable and should be followed carefully. However, it is impossible to eliminate all risks inherently associated with use of this product. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or the manner of use or application all of which are beyond the control of CIBA-GEIGY or the Seller. All such risks shall be assumed by the Buyer.

CIBA-GEIGY 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, subject to the inherent risks referred to above. CIBA-GEIGY makes no other express or implied warranty of fitness or merchantability or any other express or implied warranty. In no case shall CIBA-GEIGY or the Seller be liable for consequential, special or indirect damages resulting from the use or handling of this product. CIBA-GEIGY and the Seller offer this product, and the Buyer and Seller accept it, subject to the foregoing Conditions Of Sale And Warranty which may be varied only by agreement in writing signed by a fully authorized representative of CIBA-GEIGY.

Caparol[®] + MSMA with Surfactant

General Information

Post-emergence directed applications of Caparol + MSMA[®] in cotton will control most annual broad-leaf and grassy weeds including pigweed (carelessweed), tea-weed (*Sida* spp.), annual morning-glory, ragweed, ground cherry, lambsquarter, 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, Caparol + MSMA[®] provides foliar knockdown of existing weeds.

Spray Equipment Information

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

Pumps: Centrifugal, piston or roller pumps with a capacity of at least 10 gals. per minute should be used. If hydraulic jet agitation is used, pumps should be large enough to operate the sprayer and provide sufficient water volume for agitation.

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.

Agitation: Caparol + 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 di-

rectly from the pump (between the pump and shutoff 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 tank. If two tanks are used both should be equipped for continuous agitation.

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

Nozzle Tips: Proper application depends on proper nozzle tip selection. The following tips or similar tips with openings and angles of equal or greater size may be used to apply Caparol + MSMA[®].

Post-emergence applications	
Band	Broadcast
CCC3 C034 B0344444444 C034	

Strainers and Screens: All strainers and screens should be 50-mesh or coarser. A fine 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.

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

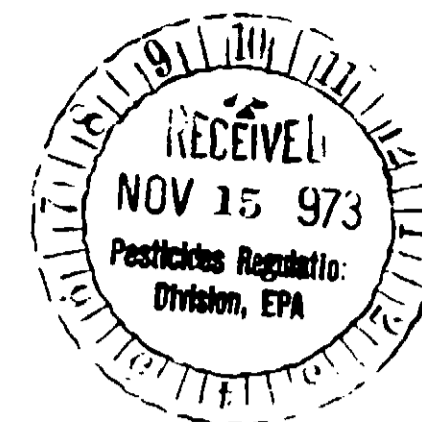
constant speed and pressure during the spraying operation. It is suggested that sprayer calibration be checked periodically.

Mixing: Shake the Caparol + 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. Raise empty herbicide containers and pour into spray tank. Add water to make the total desired volume.

Cleaning Sprayers: Sprayers used to apply Caparol + 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 Caparol + MSMA[®] should not be used to apply pesticides on sensitive crops such as tobacco, sugar beets, or vegetable plants, or even small varieties of Caparol + MSMA[®] in the tank may cause injury to these crops.

Directions for Use

Special care must be taken in making band or broadcast post-emergence application of Caparol + MSMA[®] to prevent contact of the spray with cotton leaves or injury may occur. Recommended practices for utilizing such application include: (1) using proper application equipment so that the spray may be accurately directed to the base of the cotton plants and not the leaves; (2) making application during calm periods to prevent wind drift; (3) using brush rollers or shields to leaf contact cannot be avoided merely by de-



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* with Surfactant

Caparol[®] + MSMA with Surfactant

recting 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 bed-shapers 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 leveled (plowed in).

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

Cotton Three to Six Inches Tall [Texas and the Mid-South (includes Arkansas, Louisiana, Mississippi, Missouri and Tennessee) only].

Extreme care should be taken in making applications to cotton three to six 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 Caparol + MSMA may be made any time after cotton is six inches tall but before it reaches the first bloom stage.

Rates of Application:
Caparol + MSMA should be applied at the rate of 2 quarts per acre broadcast in 10 to 40 inches of water. For band applications,

apply a proportional amount of spray.

The following rates should be used for all broadcast and band applications of Caparol + MSMA.

Broadcast	Rate Per Acre*	
	13-inch Band	20-inch Band
2 quarts	1 1/3 pints	2 pints

*Rates are the same for all geographic areas of use and for all recommended sizes of cotton.

**Based on 42 inch rows. For other row widths, adjust the rate in proportion to the area actually treated.

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

Suggestions for Crop Rotations

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

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

Vegetables

- Cabbage
- Onions
- Red Beets
- Oxra
- Peas
- Sweet Corn

Cover Crops**

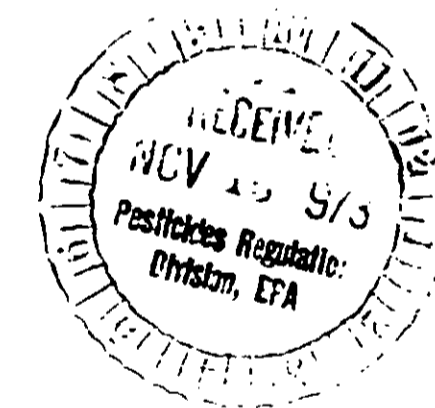
- Oats
- Winter Barley
- Sorghum
- Winter Rye
- Winter Wheat

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

Precautions

Do not feed treated foliage to livestock or allow grazing on treated acres.

Do not apply more than 1 gallon per acre of Caparol + MSMA per year.



U.S. Patent No. 2,909,420 (promotive)

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with Surfactant