

DIRECTIONS FOR USE

EQUIPMENT—A sprayer designed for low-volume application is recommended. Do not use strainers finer than 50 mesh. The spray mixture must be agitated to maintain a uniform spray concentration. By-pass agitation is satisfactory.

APPLICATION OF THE SPRAY—30 to 40 gallons of spray broadcast rate per acre are required to assure thorough uniform coverage of weeds. Use a proportional amount for band treatment depending on band width treated. Apply as directed spray to weeds. Keep off cotton foliage.

MIXING THE SPRAY—Shake well before mixing. Add about one half of the total volume of water to the tank. Start the pump to provide agitation, and pour in the desired amount of herbicide concentrate. Rinse herbicide containers into spray tank. Add water to make the total desired volume.

PRE-BLOOM, POST - EMERGENCE WEED CONTROL IN COTTON—For broad spectrum post-emergence weed control, the Herban-MSMA-surfactant mix may be used to control Johnson grass, Goosegrass, Nutgrass (Coco), Coloradograss (Harrab grass), Barnyard grass (Water grass), Crabgrass, Morningglory, Cocklebur, Pigweed, Purslane, Coffecweed, Florida pusley, Smartweed, Povertyweed, and Carpetweed.

RATE—Use 0.5 gallon broadcast rate in 30 to 40 gallons of water per acre. If band application is used, apply a proportional amount of the mixture. For example, on a 14-inch band (40-inch row spacing) use 10 to 14 gallons of spray mixture per acre of crop. Applications should be made to weeds when cotton is 3 inches high and until first bloom. Do not apply this mixture after the first bloom opens. Thoroughly wet stems and foliage of weeds. Nozzles should be arranged so as to avoid spraying the cotton foliage, but also to give maximum coverage of weeds and grasses. Make a second application at the same rate 7 days after the first. Do not add additional wetting agent to the spray mixture.

ACCEPTED
MAY-10-1970

5905-79

HELENA BRAND

HERBAN® 62 COTTON HERBICIDE

HERBAN - MSMA - SURFACTANT

CAUTION KEEP OUT OF REACH OF CHILDREN.
SEE OTHER CAUTION STATEMENTS ON SIDE PANEL.

SHAKE WELL BEFORE SAMPLING OR USING.

ACTIVE INGREDIENTS	Percent by Weight
Norea (3-hexahydro-4,7-methanoindan-5-yl)-1,1-dimethylurea*	13.1
Related Reaction Products	0.7
Monosodium Acid Methanearsonate	28.6
INERT INGREDIENTS	57.6

*U. S. Patent No. 3,304,167

TOTAL 100.0

MANUFACTURED BY
HELENA CHEMICAL COMPANY
WICHITA, KANSAS

CAUTION

Do not graze treated areas or feed livestock treated forage. Do not use this mixture for any purpose or in any manner not given on this label, as to do so may result in unlawful residues. **CAUTION. HARMFUL IF SWALLOWED.** Avoid contact with skin or breathing of spray mist. Wash hands after using. **ANTIDOTE:** If taken internally, induce vomiting and call a physician at once. Do not get in eyes.

PRECAUTIONS

FOLLOWING CROPS—Herban is gradually destroyed in the soil. However, crops other than cotton, sorghum, seed spinach, sugar cane, or tolerant ornamentals should not be planted sooner than 5 months after treatment of soil with Herban to avoid the possibility of crop injury.

ACCURATE DOSAGE—Calibrate equipment and double-check calculations and measurements for preparation of spray liquid. Shut off spray when turning, stopping, or slowing tractor.

PREVENT INJURY TO OTHER CROPS OR PLANTS—Do not use Herban-MSMA on or near lawns, flowers, or other desirable plants. Prevent the drift of spray to other areas. Do not contaminate water in irrigation ditches or domestic water supplies. Do not store Herban-MSMA in contact with fertilizers, seeds, insecticides, or fungicides.

CLEAN SPRAY—Flush all parts of sprayer with several charges of fresh water promptly after job is finished. Parts such as nozzle tips and screens should first be removed and washed separately.

KEEP CLEAN—Avoid contact with skin. Wash up when job is finished. Do not get in eyes.

DESTROY CONTAINER—Do not reuse for any other purpose. Keep children and animals off treated areas until washed into soil.

KEEP OUT OF REACH OF CHILDREN
Net Contents 1 Gallon

E.P.A. REG. NO. 5905-79

NOTICE: Helena Chemical warrants that this herbicide conforms to the chemical description on its label. When used in accordance with label directions under normal conditions, this herbicide is reasonably fit for its intended purpose. Since timing, method of application, weather, plant, and soil conditions, mixture with other chemicals, and other factors affecting the use of this product are beyond our control, no warranty is given concerning the use of this product contrary to label directions or under conditions which are abnormal or not reasonable foreseeable. The user assumes all risks of any such use.

DO NOT USE THIS CONTAINER FOR ANY PURPOSE

DIRECTIONS FOR USE

EQUIPMENT

APPLICATION OF THE SPRAY

MIXING THE SPRAY

PRE-BLOOM POST-EMERGENCE WEED CONTROL IN COTTON

WATER

HELENA

BRAND

HERBAN 62

COTTON HERBICIDE

HERBAN - MSMA - SURFACTANT
 EACH GALLON CONTAINS 14 POUNDS NOKEA AND RELATED REACTION PRODUCTS AND 3.3 POUNDS MSMA. TOTAL WATER-SOLUBLE ELEMENTAL ARSENIC CONTENT: 5.33 PERCENT.

CAUTION KEEP OUT OF REACH OF CHILDREN.
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SHAKE WELL BEFORE SAMPLING OR USING

ACTIVE INGREDIENTS	Percent by Weight
Nitrophenol	10.1
Dimethylamine	1.1
Isopropyl Alcohol	1.1
Methylamine	1.1
INERT INGREDIENTS	86.5
TOTAL	100

MANUFACTURED BY
HELENA CHEMICAL COMPANY
 West Helena, Ark. — Tampa, Fla. — Lubbock, Tex.
 Des Moines, Iowa — West Columbia, South Carolina

CAUTION

Do not graze treated areas or feed livestock treated forage. Do not use this mixture for any purpose or in any manner not given on this label as to do so may result in unlawful residues. **CAUTION - HARMFUL IF SWALLOWED.** Avoid contact with skin or breathing of spray mist. Wash hands after using. **AVOID EYE.** If taken internally, induce vomiting and call a physician at once. Do not get in eyes.

PRECAUTIONS

FOLLOWING CROPS—Herban is gradually destroyed in the soil. However, crops other than cotton, sorghum, sweet potato, sugarcane, or tolerant ornamentals should not be planted sooner than 60 days after treatment of soil with Herban to avoid the possibility of crop injury.

ACCURATE DOSAGE—Calibrate equipment and double check calculations and measurements for preparation of spray liquid. Shut off spray when turning, stopping, or slowing tractor.

PREVENT INJURY TO OTHER CROPS OR PLANTS—Do not use Herban MSMA on or near lawns, flowers, or other desirable plants. Prevent the drift of spray to other areas. Do not contaminate water or irrigation ditches or domestic water supplies. Do not store Herban MSMA in contact with fertilizers, seeds, insecticides, or fungicides.

CLEAN SPRAY—Flush all parts of sprayer with several charges of fresh water promptly after jobs are finished. Parts such as nozzle tips and screens should first be removed and washed separately.

KEEP CLEAN—Avoid contact with skin. Wash up when jobs are finished. Do not get in eyes.

DESTROY CONTAINER—Do not reuse for any other purpose. Keep children and animals off treated areas until washed into soil.

KEEP OUT OF REACH OF CHILDREN

Net Contents 1 Gallon

NOTICE—It is the user's responsibility that this herbicide conform to the label directions and conditions. When used in accordance with the directions and conditions, this herbicide is reasonably safe for the intended purpose. Safe handling, method of application, and other precautions of the mixture with other chemicals and other factors affecting the use of this product are beyond our control. We warrant to guarantee the use of this product conforming to the directions and conditions which are attached to our label and are foreseeable. The user assumes all risks of any such use.

DO NOT USE THIS CONTAINER FOR ANY PURPOSE