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1968

# Royal Brand

# HERBAN® 62

## COTTON HERBICIDE

### HERBAN - MSMA - SURFACTANT

CONTAINS 1.6 POUNDS NOREA AND RELATED REACTION PRODUCTS AND  
MSMA. TOTAL WATER-SOLUBLE ELEMENTAL ARSENIC CONTENT IS 13.3 PERCENT

**Keep Out Of Reach**

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
<b>INERT INGREDIENTS</b>	<b>57.6</b>

\*U. S. Patent No. 3,304,167 Total 100.0

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 reasonably foreseeable. The user assumes all risks of any such use.

**BACK PANEL FOR USE  
INSTRUCTIONS AND HANDLING  
PRECAUTIONS.**

**BEFORE SAMPLING OR USING.**  
Warrants that this herbicide con-  
forms with label directions under nor-  
mal conditions. This herbicide is reason-  
ably fit for use. Since timing, method of appli-  
cation, and soil conditions, mixture

Manufactured By

**HERBICIDE AGRICULTURAL CHEMICALS, Inc.**  
KINGSTREE, 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. **ANTIDOTE:** If taken internally, induce vomiting and call a physician at once.

### 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.

**CLEANING SPRAYER**—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.

USDA Reg. No. 3743-199

**Keep Out Of Reach Of Children.**

NET CONTENTS 1 GALLON

rs.

**DIRECTIONS FOR USE**

**DANGER: CONTAINS ARSENIC - CAUSTIC POISON**

**GENERAL WEED CONTROL**

For use in tank farms, substations and similar enclosed industrial areas. Dosage rates in excess of 50 pounds arsenic trioxide equivalent per acre are limited to areas to be covered by pavement after treatments. Do not contaminate water used for irrigation or domestic purposes. Avoid spray drifts to desirable plants. Not to be used for home uses.

**TIMING:** For best results apply when weeds are less than 6 inches high.

**APPLICATION:** Mix recommended amounts of water and apply with sprayer or sprinkling can.

**PERENNIAL WEED AND GRASS CONTROL:** For use in sprayer, mix 1 part with 5 parts water. For sprinkling can application, mix 1 part with 40 parts water. Thoroughly wet foliage, stems and exposed root crowns with spray mixture.

**ANNUAL WEED AND GRASS CONTROL:** For use in sprayer, mix 1 part with 20 parts water. For sprinkling can application, mix 1 part with 40 parts water. Thoroughly wet foliage, stems and exposed root crowns with spray mixture.

**PLANT GROWTH PREVENTION:** Apply 2 to 3 quarts, mixed with 5 or more gallons of water, per 100 square feet. Use higher rate for heavy soils or where ground is not bare of vegetation.

**TREE AND STUMP KILLING:** Mix 1 part with 3 parts water.

For tree killing, cut deep gashes into bark and wood of tree, around tree trunk, two or three inches apart. Fill each gash with this mixture. For best results, make treatment during spring or early summer.

For stump treatment, soak freshly cut surface with this mixture to prevent sprouting.

**DANGER: CONTAINS ARSENIC - CAUSTIC POISON**

**DANGER: POISON** May be fatal if swallowed. Do not breathe spray mist. Avoid contact with skin and eyes. Wash thoroughly after handling.

**WARNING:** Spraying operator should wear gauntlet rubber gloves and a respirator mask. After spraying, operator must take a shower, washing thoroughly with soap and water, and put on clean clothing. Never wear clothing that has been used in spraying operation before laundering. If spilled on skin or eyes, flush off immediately with water. Keep children and pets away from treated areas. Rinse container several times with water. Do not use in any connection with feed, food or drinking water. If irritation or burns persist, flush with vinegar - see a physician immediately.

**40% Sodium Arsenite Solution**

(COLORED)

Contains 4 Lbs. of Arsenic Trioxide (As<sub>2</sub>O<sub>3</sub>) Per Gal

**GENERAL WEED CONTROL, TERMITE TREATMENT and BARK TREATMENT**

**ACTIVE INGREDIENTS**

Sodium Arsenite ..... 40.0%  
Total Arsenic, expressed as metallic, all in water soluble form 24.2%

**INERT INGREDIENTS**

Water ..... 60%  

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100%

**POISON: KEEP OUT OF REACH OF CHILDREN. KEEP CHILDREN AND ANIMALS OFF TREATED AREA. DO NOT USE OR STORE IN OR AROUND THE HOME. SEE OTHER PRECAUTIONS ON SIDE PANEL.**

**DO NOT REUSE CONTAINER DESTROY WHEN EMPTY.**



**DANGER**



**KEEP OUT OF REACH OF CHILDREN**

**DANGER: CONTAINS ARSENIC - CAUSTIC POISON**

**ACCEPTED** Contains ARSENIC Contains CAUSTIC

Jun-27-1977 POISON

ANTIDOTE

UNDER THE FEDERAL INSECTICIDE AND RODENTICIDE ACT FOR THE CONTROL OF ECONOMIC POISON REGISTERED UNDER NO. 3862-4

**APPLICATION:** The undiluted be applied to the exposed sapwood exposed sapwood as soon as possible must be thorough since only age must be thorough since only affected. The addition of 1/4 cup undiluted solution will help make may be made with a sprayer of which bark treatment is usually Norway Spruce, Balsam, White Elm, Black Cherry, Hemlock, etc. ment is usually ineffective on WI

**SCIL TREATM**

**WARNING FOR INDUSTRIAL NOT TO BE US**

A dosage of 1 gallon of solution required for those trenches over gallons of solution per 5 linear inches deep should be required industrial type structures only. treated area.

**ANTIDOTE:** External - First Aid or blistered, see a physician immediately. Internal antidote. Call Physician glass of warm water until vomit epsom salts or milk of magnesia and water. Have patient lie down.

This product is toxic to wildlife. Now may be killed. Do not apply

**DO NOT CONTAMINATE EQUIPMENT OR DISPOS. APPLY THIS PRODUCT LABEL Net Contents**

May 17 1968

DIRECTIONS FOR USE

**EQUIPMENT**—A spray or broadcast application is recommended. Do not use strainers finer than 60 mesh. The mixture must be agitated continuously to prevent precipitation. By-pass application is satisfactory.

**APPLICATION OF THE SPRAY**—20 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. Ripse 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: Johnsongrass, Goosegrass, Nutgrass, Cocksfoot, Coloradograss, Marsh grass, Barnyard grass, Watergrass, Crabgrass, Morningglory, Cocklebur, Pigweed, Parthenocarpiferous, Florida pasley, Smartweed, Povertyweed and carpetweed.

**RATE**—Use 0.5 gallon broadcast rate or 10 to 40 gallons of water per acre. In band application, use a proportional amount of the mixture. For example, on a 14-inch and 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 50% open. Thorough wetness of foliage or weeds. Nozzles should be arranged so as to avoid spraying the cotton foliage, but also to give maximum coverage of weeds and grasses. Band application at the same rate 5 to 7 days after the first. Do not add additional wetting agent to the spray mixture.

Royal Brand

3773-179

# HERBAN® 62

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**CAUTION: Keep Out Of Reach Of Children.**

**READ BACK PANEL FOR USE INSTRUCTIONS AND HANDLING PRECAUTIONS.**

**SHAKE WELL BEFORE SAMPLING OR USING.**

**NOTICE:** Hercules 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

**ACTIVE INGREDIENTS** Percent by Weight  
Norea (3-hexahydro-4,7-dioxathio-2H-pyridin-5-yl)-N,N-dimethylurea  
Related Reaction Products  
Monosodium Acid Methanearsenate  
**INERT INGREDIENTS**

U. S. Patent No. 3,304,167 Total  
with other chemicals, and other factors affecting 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 reasonably foreseeable. The user assumes all risks of any such use.

Manufactured By  
**SOUTHERN AGRICULTURAL CHEMICALS, Inc.**  
KINGS TREE, SOUTH CAROLINA

Manufacturers name, address and net contents printed on containers.

May 17-1965

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Manufactured By  
**SOUTHERN AGRICULTURAL CHEMICALS, Inc.**  
KINGSTREE, SOUTH CAROLINA

### CAUTION

Do not graze treated areas or feed livestock treated areas. Do not use this mixture for any purpose or in any manner not specified on the label, as to do so may result in a wasteful residue.

**CAUTION: HARMFUL IF SWALLOWED.** Avoid contact with skin or breathing of spray mist. Wash hands after using. **ANTIDOTE:** If swallowed, induce vomiting and call a physician at once.

### PRECAUTIONS

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