

# STAMM-4

## HERBICIDE

4 LB. E.C. FOR POSTEMERGENCE CONTROL OF BARNYAR GRASS AND OTHER WEEDS IN RICE

28 Pt  
42 Pt

### KEEP OUT OF REACH OF CHILDREN WARNING

Read the entire label carefully for the complete Precautionary Statements, Conditions of Sale and Warranty, Directions for Use, and other important information. The responsibility for safe use of this product is on the user. The Conditions of Sale and Warranty are not applicable to the user of this product. This product is not for sale in California.

**ACTIVE INGREDIENT**  
43.5%

**INERT INGREDIENTS**  
56.5%

**NET CONTENTS**  
35 GALS  
(132.5 Liters)

IF  
Color

Green with Purple Text Pre Printed Drum

ACCEPTED

# ROHM AND HAAS



PHILADELPHIA, PA. 19105

6-2863  
1377-D8-TN-

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### DIRECTIONS FOR USE

**NOTICE:** Before using this product, read the entire Precautionary Statements, Conditions of Sale and Warranty, Directions for Use, Restrictions and Storage and Disposal Instructions. If the Conditions of Sale and Warranty are not acceptable, return the product unopened within thirty days of purchase to the place of purchase.

**RE-ENTRY AND WORKER PROTECTION STATEMENTS**  
Do not enter treated areas without protective clothing until sprays have dried. Because certain states may require more restrictive re-entry intervals for various crops treated with this product, consult your State Department of Agriculture for further information. Do not apply this product in such a manner as to directly or through drift expose workers or other persons. The area being treated must be vacated by unprotected persons.

### KEEP OUT OF REACH OF CHILDREN

## WARNING — 22 PT

### PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

10 + 12 PT

IRRITATING TO EYES AND SKIN

HARMFUL IF SWALLOWED OR ABSORBED THROUGH SKIN

MAY BE HARMFUL IF INHALED

Do not get in eyes or on skin. Wear eye and skin protection when handling. Do not take internally. Avoid breathing spray mist.

### Statement of Practical Treatment

**IF IN EYES:** Flush eyes with large amounts of water for at least 15 minutes. Consult a physician if irritation persists.

**IF ON SKIN:** Wash affected area with soap and water.

**IF SWALLOWED:** Dilute by giving 2 glasses of water to drink and call a physician. Never give anything by mouth to an unconscious person.

**NOTE TO PHYSICIAN:** Emesis is recommended.

**IF INHALED:** Remove victim to fresh air. Treat the person symptomatically. If irritation persists, call a physician.

### ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish. Drift and runoff from treated areas may be hazardous to aquatic organisms in neighboring areas. Do not apply directly to water except as specified on this label. Do not contaminate water by cleaning of equipment or disposal of wastes. Water obtained from treated areas should not be used to irrigate other crops or released within 1/2 mile upstream of a potable water intake or flowing water. Use, pour, or wash within 1/2 mile of a potable water intake in a handling body of water such as a lake, pond, or reservoir.

### CONDITIONS OF SALE AND WARRANTY

Rohm and Haas warrants that the product conforms to its chemical description and is reasonably fit for the purpose stated on the label only when used in accordance with label directions under normal conditions of use. ROHM AND HAAS MAKES NO OTHER EXPRESS OR IMPLIED WARRANTIES EITHER OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE. Handling, storage and use of the product by Buyer or User are beyond the control of Rohm and Haas and Seller. Risks such as crop injury, ineffectiveness or other unintended consequences resulting from, but not limited to, weather or soil conditions, presence of other materials, disease, pests, drift to other crops or property, or failure to follow label directions will be assumed by the Buyer or User. IN NO CASE WILL ROHM AND HAAS OR SELLER BE HELD LIABLE FOR CONSEQUENTIAL, SPECIAL OR INDIRECT DAMAGES RESULTING FROM THE HANDLING, STORAGE OR USE OF THIS PRODUCT.

### CHEMIGATION

DO NOT APPLY THIS PRODUCT THROUGH ANY TYPE OF IRRIGATION SYSTEM.

### GENERAL INFORMATION

STAM M-4 is a selective postemergence herbicide for use in rice only for control of the following weeds:

BARNYARDGRASS (WATERGRASS) Echinochloa crus-galli Echinochloa colonum	FOXTAIL Setaria spp.	PANICUM TEXAS Panicum Texanum
BEAKRUSH (SPEARHEAD) Rhynchospora corniculata	GOOSEGRASS Eleusine indica	PARAGRASS Panicum purpurascens
CRABGRASS SPECIES Digitaria spp.	GULF COCKSPUR Echinochloa crus-galonis	PIGWEED, REDROOT Amaranthus retroflexus
CROTON, WOOLLY Croton capitatus	HEMP SESBANIA (COFFEE BEAN) Sesbania exaltata	REDWEED Melochia dorrchioritia
DOCK, CURLY Rumex crispus	HOORAHGRASS Fimbristylis miliacea	SIGNALGRASS, BROADLEAF Bracharia platyphylla
	MEXICANWEED Caperonia castaneaefolia	SPIKERUSH (WIREGRASS) Eleocharis spp.

STAM M-4 herbicide is an emulsifiable concentrate containing 4 pounds active ingredient per U.S. gallon. The product is not a hormone-type herbicide, but kills susceptible weeds by direct contact action. For this reason thorough coverage of emerged weeds is essential for best results. Only weeds which have emerged and are exposed at time of application will be controlled. The product has no preemergence or residual herbicidal activity. Apply STAM M-4 herbicide only to fields which have been drained of flood water. The product is most effective if applied when susceptible grasses and broadleaf weeds are small and growing actively under favorable soil moisture and weather conditions. Early weed control removes competition, saves moisture and generally contributes to increased yields.

### USE RESTRICTIONS

Do not apply to any crop other than rice. STAM M-4 herbicide injures most crops except cereal grains and perennial grasses. Avoid drift or accidental application from turning aircraft on cotton, soybeans, corn, sunflower, seedling legumes, vegetables, orchards, vineyards, gardens, shrubs, and ornamentals. Once applied, it does not release winter hazardous to nearby crops.

### TIMING AND DOSAGE RECOMMENDATIONS

Treat grassy and weedy fields when a satisfactory stand of rice that will tolerate flooding is established. The amount of STAM M-4 herbicide to apply depends primarily upon the stage and growth condition of the grasses. The growth stage of the rice is also a factor in dosage and timing limitations so as to avoid the possibility of excessive residues.

### DIRECTIONS FOR USE —

(FOR RICE GROWN IN SOUTHERN UNITED STATES ONLY.)

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

water should be lowered or drained before spraying to expose more of the grass and weeds. Emergency treatment should be considered as a salvage operation only and cannot be relied upon for total control of grass and weeds.

**CAUTION:** TO AVOID EXCESSIVE RESIDUES AT HARVEST, DO NOT APPLY AFTER THE END OF TILLERING FOR THE RICE VARIETY BEING TREATED. DO NOT APPLY MORE THAN A MAXIMUM OF SIX POUNDS ACTIVE INGREDIENT PER ACRE IN A SINGLE APPLICATION OR EXCEED EIGHT POUNDS ACTIVE INGREDIENT PER ACRE TOTAL DOSAGE PER SEASON.

## APPLICATION EQUIPMENT

**Aircraft** — Fixed wing aircraft or helicopters should have well designed spray systems that produce a uniform pattern of medium fine spray droplets. Apply STAM M-4 herbicide on small grass in no less than 10 gallons of total spray per acre with boom-nozzle sprayers. Increase volume to 12 to 15 gallons per acre for larger or denser stands of grass or during periods of low humidity.

The optimum effective spray swath width depends on operating conditions and type of aircraft being used. For uniform spray coverage with fixed wing aircraft, do not exceed a spray swath width 10 percent greater than the wingspan or the length of the boom in helicopters. Measure the swaths accurately for flagging.

**Ground Sprayers** — Use standard low pressure herbicide sprayers equipped with boom and flat fan nozzles. Use nozzle sizes that deliver a medium fine droplet in 15 to 20 gallons total spray per acre at 40 to 50 p.m. and at ground speeds not in excess of 3 to 4 m.p.h. Avoid raising boom too high. Spray patterns should meet uniformly.

Flush all equipment with clear water after each day's use. Clean all equipment including surge tanks used for STAM M-4 herbicide with a detergent wash followed by a water rinse. BEFORE AND AFTER spraying other pesticides or other crops. Applicators and flagmen should avoid contact with spray mist from STAM M-4 herbicide or any pesticides and should wear protective clothing and goggles. Wash thoroughly after exposure.

## CROP TOLERANCE AND GROWING CONDITIONS

All leading commercial varieties of rice are exceptionally tolerant to STAM M-4 herbicide. A temporary yellowing or tip burn of rice may be noted after treatment, but new growth is normal. Severe leaf burn and partial killing of rice may occur if the product is applied when rice is under stress and in a weakened growth condition due to disease or insect infestations, excessive soil salts, overwatering, or prolonged drought and extremely hot weather. Growers are cautioned not to spray under such conditions and/or when maximum daily temperatures have been or are expected to go above 100°F.

## EFFECT OF CLIMATIC CONDITIONS AND CULTURAL PRACTICES ON WEED CONTROL

### Field and Seedbed Preparation

Fields should be accurately leveled and contoured and have well prepared seedbeds free of clods. This encourages uniform and rapid emergence of rice, grass and broad leaf weeds and permits better timing and coverage of STAM M-4 herbicide to weeds resulting in optimum weed control.

### Water Management

Before application of STAM M-4 herbicide, drained or dry planted fields should be flushed as often as needed to prevent drying and crusting. Flushing encourages uniform emergence and vigorous growth of grass, broad leaf weeds and rice which is essential for best results. Flush fields in sufficient time so that weeds and rice are actively growing at time of treatment. Make sure the field is drained prior to treatment so that grasses and broad leaf weeds are fully exposed. Weeds that are partially submerged in standing water at time of application will not be satisfactorily controlled.

## Relative Humidity and Rain

Grasses and weeds are more responsive to STAM M-4 herbicide during periods of high humidity when the foliage is moist or covered by dew. When the humidity is very low some of the spray may crystallize in the air. When this condition exists, increase spray volume to 12-15 gallons per acre for best results. Do not spray when rain threatens within six hours to avoid loss of the spray deposit before adsorption by the grass.

## Wind

Avoid applications when the wind speed exceeds 10 m.p.h. because of drift hazard to sensitive crops and the possibility of uneven (streaked) application.

## COMPATIBILITY WITH OTHER CHEMICALS

Tank-mix applications of STAM M-4 herbicide with other herbicides, insecticides, spray adjuvants, or liquid fertilizers may reduce crop tolerance and/or weed control or impair mixing properties. Use of these products in tank-mix applications with STAM M-4 herbicide is done at the user's risk.

## Insecticides

Severe injury or kill of rice plants may result from tank-mix combinations or separate sprays of STAM M-4 herbicide and certain insecticides. Do not combine STAM M-4 herbicide with carbamate insecticides such as carbaryl (Sevin, etc.), methomyl (Lannate, Nudrin, etc.) or organophosphorus insecticides such as parathion, methyl parathion, Guthion, malathion, Systox, EPN, Phosphamidon, etc. Do not apply any of the above insecticides to rice fields within 14 days before or after STAM M-4 herbicide. Do not use carbamate or systemic organophosphorus insecticides on rice fields to be treated with STAM M-4 herbicide. **WARNING:** Do not apply STAM M-4 herbicide to rice fields which were planted with rice seed treated with bird repellents containing methiocarb such as Mesuro, Borderland Red, etc. Consult local Extension specialist for current recommendations of approved insecticides on rice.

## STORAGE AND DISPOSAL-18 Pt

**STORAGE:** Do not use, pour, spill or store near heat or open flame. Ground all metal containers when transferring product. Protect from freezing. If stored below 32°F and crystals form, warm to 72°F for 24 hours, periodically shaking or rolling container to reconstitute.

**PESTICIDE DISPOSAL:** Do not contaminate water, food, or feed by storage or disposal. Pesticide wastes are toxic. Improper disposal of excess pesticide spray mixture, or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA regional office for guidance.

### CONTAINER DISPOSAL

**Metal Containers**—Triple rinse (or equivalent), then offer for recycling or reconditioning or puncture and dispose of in a sanitary and safe manner by other procedures approved by State and local authorities. **Bulk Containers**—Drain thoroughly and return to specified destination for cleaning and reuse.

**STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:** Eliminate ignition sources. Ventilate area. Avoid breathing vapors. Use MSHA, NIOSH self-contained breathing apparatus or air mask for large spills in confined areas. Cover the spill with inert material (sand, earth, etc.) and clean up. If spill is large and if appropriate transfer the liquid and solid sinking material to separate containers for recovery or disposal. Remove contaminated clothing, shoes, and wash affected skin areas with soap and water. Wash clothing before reuse. Keep out of all shafts and open bodies of water. REFER TO PRECAUTIONARY STATEMENTS.

Stam is a registered trademark of Rohm and Haas Company.

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MADE IN U.S.A.