# STAM® M-4

## HERBICIDE

**4 LB. E.C.** FOR POSTEMERGENCE CONTROL OF BARNYARDGRASS AND OTHER WEEDS IN RICE.

**WARNING!**

**KEEP OUT OF REACH OF CHILDREN**

Before using this product, read all additional precautionary statements, storage and disposal instructions, use restrictions and limit of warranty and liability statements on side panel.

**ACTIVE INGREDIENT**

propanil

3', 4'-dichloropropionanilide 43.5%*

**INERT INGREDIENTS** 56.5%

Total 100.0%

*Equivalent to 4 lbs. active ingredient per gallon

U.S. Patent 3,819,742

EPA Reg. No. 707-103-AA

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**35 GALS**

**(132.5 Liters)**

## PRECAUTIONARY STATEMENTS

### HAZARDS TO HUMANS AND DOMESTIC ANIMALS

# WARNING

**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.

### FIRST AID

**FOR EYE CONTACT.** Flush eyes with large amounts of water for at least 15 minutes. Consult a physician, if irritation persists.

**FOR SKIN CONTACT** Wash affected area with soap and water.

**FOR INGESTION** Induce vomiting by immediately giving two glasses of water to drink and touch back of throat with finger. Call a physician. Never give anything by mouth to an unconscious person.

### ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish. Keep out of lakes, ponds or streams. Do not contaminate water by cleaning of equipment or disposal of wastes.

## STORAGE AN[illegible]POSAL

Do not use, pour [illegible] near heat or open flame. Ground all metal containers [illegible] transferring product. Protect from freezing. If stored below 32°F and crystals form, warm to 72°F for 24 hours, periodically rolling drum to reconstitute.

**PROHIBITIONS** Do not contaminate water, food or feed by storage or disposal. Open dumping is prohibited.

**PESTICIDE DISPOSAL** Pesticide, spray mixture or rinsate that cannot be used or chemically reprocessed, should be disposed of in a landfill approved for pesticides or buried in a safe place away from water supplies.

**CONTAINER [illegible]SAL** Triple rinse (or equivalent) and offer for recycling, reconditioning, or disposal in approved landfill or bury in a safe place.

**GENERAL** Consult Federal [illegible] authorities for approved alternative procedures.

## 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.

### 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*) | Gulf Cocksp[illegible] *Echinochloa crus pavonis* | Redweed *Melochia corchorifolia* |
| Brachiaria *Brachiaria* spp | Hoovahgrass *Fimbristylis miliacea* | Sour Dock *Rumex crispus* |
| Crabgrass, large *Digitaria sanguinalis* | Mexican Weed *Caperonia palustris* | Spikehead *Rhynchospora corniculata* |
| Croton, woolly *Croton capitatus* | Paragrass *Panicum purpurascens* | Tall Indigo or [illegible]ee Bean *Sesbania exaltata* |
| Foxtail *Setaria* spp | Pigweed, redroot *Amaranthus retroflexus* | Texas Millet *Panicum texanum* |
| Goosegrass *Eleusine indica* | | Wiregrass *Eleocharis* spp |

STAM M 4 is an emulsifiable concentrate containing 4 pounds active ingredient per U.S. gal[illegible]

STAM M 4 is not a [illegible] type herbicide, but kills susceptible weeds by direct contact action. Even [illegible] season, thorough spray coverage is essential for best results.

STAM M 4 controls only weeds which have emerged and are [illegible] at the time of application. The product has no preemergence [illegible] herbicidal activity.

STAM M 4 is most effective if applied when susceptible grass and broadleaf weeds are small and growing actively under favorable moisture and weather conditions.

STAM M 4 should only be applied to fields which have been drained of flood water.

Early weed [illegible] removes competition, saves moisture, and generally contributes [illegible] yields.

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**CAUTION.** TO AVOID EXCESSIVE RESIDUES AT HARVEST DO NOT APPLY STAM M-4 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 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 size that deliver a medium fine droplet in 15 to 20 gallons total spray per acre at 40 to 50 psi 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 nurse tanks used for STAM M 4 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 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 [illegible] tolerant to STAM M 4 A temporary yellowing or tip burn of rice may be noticed after treatment but new growth is normal Severe leaf burn and partial [illegible] may occur if STAM M 4 is applied when rice is under stress or a weakened growth condition due to disease or insect infestation [illegible] 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

### Fields 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 broadleaf weeds and permits better timing and coverage of STAM M 4 sprays resulting in optimum weed control

### Water Management

Before application of STAM M 4 drained or dry planted fields should be flushed as often as needed to prevent [illegible] and crusting Flushing encourages uniform emergence and vigorous growth of grass broadleaf weeds and rice which is essential for best results with STAM M 4 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 broadleaf weeds are fully [illegible] Weeds that are partially submerged in standing water at time of application will not be satisfactorily controlled

After treatment with STAM M 4 [illegible] should always be flooded before a second infestation of grass [illegible] develop to prevent more grass from germinating [illegible] flooded [illegible] after spraying [illegible] hours

### Temperature

The temperature a few days before [illegible] application of STAM M 4 has an important bearing on the weed killing action of STAM M 4 The activity increases as daily maximum temperatures increase above 75°F and decreases as daily maximum temperatures decline below 75°F Do not apply STAM M 4 when maximum temperatures have been or are expected to stay below [illegible] or to go above 100°F [illegible] temperature at time of application is [illegible] as long as warm [illegible] water during the day

### Relative Humidity and Rain

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

[illegible] applications of STAM M 4 when the wind speed exceeds 10 m p h [illegible] drift hazard to sensitive crops and the possibility of uneven [illegible] streaked application

## COMPATIBILITY WITH OTHER CHEMICALS

[illegible] of STAM M 4 with other herbicides insecticides [illegible] spray adjuvants liquid fertilizers may reduce crop tolerance and [illegible] weed control mixing properties Use of these products or tank mix applications with STAM M 4 is done at the user s risk

### Insecticides

Severe injury or death of rice plants may result from tank mix combinations or separate sprays of STAM M 4 and certain insecticides Do not combine STAM M 4 with SEVIN (carbaryl) or any organic phosphate insecticide 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 Do not use carbamate or systemic organic phosphate insecticides on rice fields to be treated with STAM M 4 **WARNING** Do not apply STAM M 4 to rice fields which were planted with rice seed treated with Mesurol (methiocarb) bird repellent Consult local Extension specialist for current recommendations of approved insecticides on rice

**NOTICE:** Seller warrants that the product conforms to its chemical description and is reasonably fit for the purpose stated on the [illegible] when used in accordance with directions under normal [illegible] Seller makes no other warranty [illegible] any other warranty [illegible] purpose express or [illegible] of this product in [illegible] as directed [illegible] or under [illegible] conditions reasonably foreseeable [illegible] Seller and Buyer assume the risk of any such use These risks include but are not limited to damage to plants crops and animals which the material is applied failure to control pests [illegible] caused by drifts to other plants or crops and personal injury [illegible]

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