

### GENERAL INFORMATION

This product is effective against many grasses and weeds in rice fields. It may be applied to rice fields which are flooded or to rice fields which are not flooded. It is most effective when applied to rice fields which are flooded. It is most effective when applied to rice fields which are flooded. It is most effective when applied to rice fields which are flooded.

Fields to be treated should be inspected frequently before the application of this product to insure that barnyard or watergrass is at the proper stage of growth (1 to 3 leaf stage with an occasional 4 leaf plant).

**WARNING:** Never apply except as recommended on this label because use in any other way may result in damage or injury to person, animals, or crops, or other unintended consequences.

**DO NOT APPLY WITHIN FOURTEEN DAYS** before or after insecticide applications because serious damage to rice may occur. Do not apply to any crops other than rice.

Before applying, make sure the spray equipment is properly calibrated to avoid over/ or undertreatment.

Do not apply under wind conditions which will allow drift to adjacent susceptible crops such as beans, soybeans, cotton, safflower, cucurbits, vegetables, orchards and other sensitive crops. Wind velocity greater than 5 miles per hour will often cause applications to be streaked and give less than maximum herbicidal control.

Keep this container closed when not in use. Do not reuse for other purposes as its toxic contents cannot be entirely removed.

### WEEDS CONTROLLED

**Barnyardgrass (Watergrass),** Echinochloa crusgalli or Echinochloa colonum  
**Alligator Weed,** Alternanthera philoxeroides  
**Brachiaria,** Brachiaria spp.  
**Crabgrass,** Digitaria sanguinalis  
**Croton,** Croton capitatus  
**Curly Indigo,** Aeschynomene virginica  
**Foxtail,** Setaria spp.  
**Goosegrass,** Eleusine indica  
**Gulf Cockspur,** Echinochloa crus-gavonis

**Hoorahgrass,** Fimbristylis miliacea  
**Mexican Weed,** Caperonia palustris  
**Paragrass,** Panicum purpurascens  
**Pigweed,** Amaranthus retroflexus  
**Redweed (Teaweed),** Melochia corchorifolia  
**Sour Dock,** Rumex crispus  
**Spearhead,** Rhynchospora corniculata  
**Tail Indigo or Coffee Bean,** Sesbania exaltata  
**Texas Millet,** Panicum texanum  
**Wiregrass,** Eleocharis spp.

### WEEDS NOT CONTROLLED

**Arrowhead,** Sagittaria spp.  
**Bermudagrass,** Cynodon dact., or  
**Cattail,** Typha latifolia  
**Ducksalad,** Heteranthera spp.

**Johnsongrass,** Sorghum halepense  
**Nutgrass,** Cyperus spp.  
**Red Rice,** Oryza sativa  
**Sprangletop,** Leptochloa spp.

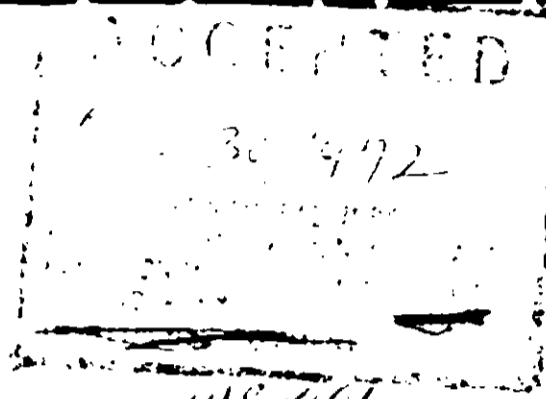
### DIRECTIONS FOR USE — RICE ONLY

Do not use until you have also read the Warning as well as the Directions for Use on this label.

Rice fields should be well prepared and free of large clods to obtain uniform germination of grasses and weeds, and to insure uniform flood levels. If necessary, fields may be flushed prior to treatment to produce uniform grass germination. If fields are flushed prior to treatment, flush in sufficient time so that grass and rice are growing vigorously at time of treatment. Water should be drained from fields before spraying so that grasses and weeds are fully exposed to the spray.

This product acts only on grasses and weeds which have already germinated. (Maximum action usually is not apparent until 3 to 5 days after application.) To prevent more weeds from germinating after treatment, fields should be flooded within 24 hours after spraying, or as soon as possible after 24 hours. Flooding after spraying will improve the grass control after treatment.

In cases where flooding of the field would not be complete within 7 days or less after application, it is best to treat a portion of the field, flood that treated portion, and then treat the remainder. This



# PROPANIL 4

4 POUNDS PER GALLON

## SELECTIVE HERBICIDE FOR POST-EMERGENCE CONTROL OF BARNYARD GRASS AND OTHER WEEDS IN RICE.

**CAUTION** Keep Out of Reach of Children

**ACTIVE INGREDIENT:** 3',4'-Dichloropropionanilide 45.0%  
**INERT INGREDIENTS:** 55.0%  
Contains 4 pounds of 3',4'-dichloropropionanilide per gallon.

U. S. Patent No. 3,382,280

EPA Reg. No. 148-996

7/72/CG



THOMPSON-HAYWARD  
CHEMICAL COMPANY

P. O. BOX 2383, KANSAS CITY, KANSAS 66110

will help to prevent reinfestation of weeds and grasses. Higher rates (4-6 quarts) may be necessary on the remainder since the grass will be more mature.

If the rice is too small to maintain a flood on the field, treatment should be delayed until the rice is large enough. The grass may then be large enough to require 4-6 quarts per acre.

Avoid treatment if rain threatens within 6 to 8 hours or if high winds may cause uneven application or drift.

In case of unseasonably cool weather, higher rates (4-6 quarts/acre) may be necessary.

The number of leaves of barnyard or watergrass determines the time and amount of this product to spray, regardless of the size of the rice. **THE GROWER SHOULD INSPECT FIELDS FREQUENTLY TO DETERMINE PROPER TIME OF APPLICATION.** The ideal application time is when most barnyardgrass has 1 to 3 leaves, with only an occasional plant having 4 leaves. During drought conditions grasses may reach the three leaf stage while still quite short or stunted, so special attention to stage of growth is necessary in these situations to avoid grasses becoming too mature for best results.

Apply 3 quarts per acre when most grass has reached the one to three leaf stage. Use 4 to 6 quarts per acre if grasses are longer, with most in the four to six leaf stage. Mix thoroughly with water for spraying, using vigorous mechanical agitation. For **AERIAL APPLICATION** dilute the proper amount with 10 to 12 gallons of water per acre. For **GROUND EQUIPMENT** dilute the proper amount with 15 to 25 gallons of water per acre. Lesser amounts of water often give inadequate coverage and may cause poor results.

If fields cannot be completely drained so that all of the grass is exposed, a higher dosage (4-6 quarts/acre) must be used.

**NOTICE** — When applied, especially after the fourth leaf stage of the rice, under some conditions, visible leaf injury on rice may result. However, the rice plants quickly outgrow such injury when caused by the later applications.

**USE IN CALIFORNIA ONLY** — Where rice fields are not completely drained.

To control watergrass, apply this product 30 to 45 days after planting, before rice is fully tillered, when watergrass extends 1 to 5 inches above water surface. If rice has a deep flood, water level may be lowered to 3 to 4 inches over highest part of field to expose 6 to 8 inches of watergrass. (When lowering water level, do so slowly to avoid pulling down rice plants.) Use 4 quarts per acre if most grass has developed 3 to 5 leaves, use 5 quarts if most grass has 5 to 6 leaves, and use 6 quarts per acre if most grass has 7 or more leaves. Apply in no less than 10 to 12 gallons of water, using a medium-fine spray.

If higher water level is desired after treating, re-flooding may be started 12 hours after treatment.

**CAUTION:** Harmful if swallowed or absorbed through skin. Causes eye irritation. May cause skin irritation. Avoid contact with eyes, skin or clothing. Avoid prolonged breathing of vapor or mist. Do not use, pour, spill or store near heat or open flame. In case of contact, flush skin or eyes with plenty of water for at least 15 minutes. For eyes, get medical attention. Do not store near food, fertilizer, seeds, insecticides or fungicides.

Rinse equipment and containers and dispose of wastes by burying in non-crop lands away from water supplies. Containers should be disposed by punching holes in them and burying with wastes, or by burning (Keep out of smoke).

### NOTICE

**Seller makes no warranty, expressed or implied, concerning the use of this product other than indicated on the label. Buyer assumes all risk of use and/or handling of this material when such use and/or handling is contrary to label instruction.**

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