

5905-182

HELENA BRAND PROPANIL 4

**CAUTION: KEEP OUT OF REACH OF CHILDREN
SEE SIDE PANEL FOR ADDITIONAL CAUTIONS**

SELECTIVE HERBICIDE (4 LBS. ACTIVE* PER GALLON)
FOR POST-EMERGENCE CONTROL OF BARNYARD GRASS AND
OTHER WEEDS IN RICE.

ACTIVE INGREDIENTS:		
*3',4'-Dichloropropionanilide	43.48%
INERT INGREDIENTS	56.52%

*Contains 4 pounds of 3',4' dichloropropionanilide per gallon.

READ "WARNING NOTICE" BEFORE BUYING OR USING.
IF NOTICE TERMS ARE NOT ACCEPTABLE, RETURN AT ONCE UNOPENED.
Use only according to label instructions.

EPA REG. NO. 5905-182

MANUFACTURED BY
HELENA CHEMICAL COMPANY
 West Hillside, Ark. Tarrant, Tex. Lubbock, Texas
 One Main St. West Hillside, Ark. South Hillside, Texas

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UNDER THE
FUNGICIDE ACT
FOR ECONOMIC
OR UNDER NO. 5906-182

CAUTION

HARMFUL IF SWALLOWED OR ABSORBED THROUGH SKIN.
CAUSES EYE IRRITATION.
MAY CAUSE SKIN IRRITATION.

Avoid contact with eyes, skin or clothing.
Avoid breathing spray mist.
Keep away from heat, sparks and open flame.
In case of contact, flush skin or eyes with plenty of water for at least 15 minutes; get medical attention.
Do not store near food, fertilizer, seed, insecticides or fungicides.

This product is toxic to fish. Keep out of lakes, streams, or ponds. Do not apply when weather conditions favor drift from areas treated. Do not contaminate water by cleaning of equipment, or disposal of wastes.

GENERAL INFORMATION

HELENA BRAND PROPANIL 4 is a post-emergence herbicide for the control of many grasses and broadleaf weeds in rice fields only. It may be applied by either ground or aerial spray equipment, after dilution and thorough agitation with water. HELENA BRAND PROPANIL 4 is not a hormone-type herbicide, but kills susceptible plants by direct contact action. For this reason, thorough spray coverage of weeds to be killed is necessary for best results.

HELENA BRAND PROPANIL 4 should be applied when weeds and grasses are small. (See Directions for Use). Use only on fields which have been drained of flood water.

Site

Rice fields to be treated should be inspected frequently before the application of HELENA BRAND PROPANIL 4 to insure that barnyard or water grass is at the proper stage of growth (1-3 leaf stage with an occasional 4 leaf plant).

WARNING: Never apply HELENA BRAND PROPANIL 4 except as recommended on this label because use in any other way may result in damage or injury to persons, animals, or crops, or other unintended consequences.

DO NOT APPLY HELENA BRAND PROPANIL 4 WITH 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 HELENA BRAND PROPANIL 4, make sure the spray equipment is properly calibrated to avoid over-or under-treatment.

Do not apply HELENA BRAND PROPANIL 4 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 re-use for other purposes as its toxic contents cannot be entirely removed.

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WEEDS CONTROLLED

BARNYARD GRASS (WATERGRASS) Echinochloa crusgalli or Echinochola

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WEEDS CONTROLLED

BARNYARD GRASS (WATERGRASS), *Echinochloa crusgalli* or *Echinochloa colonum*

ALLIGATOR WEED, *Alternanthera philoxeroides* — **BRACHIARIS**, *Brachiaria* spp. — **CRABGRASS**, *Digitaria sanguinalis* — **CROTON**, *Croton capitatus* — **CURLY INDIGO**, *Aeschynomene virginica* — **FOXTAIL**, *setaria* spp. — **GOOSEGRASS**, *Eleusine indica* — **GULF COCKSPUR**, *Echinochloa crus-galonis* — **HOORAH GRASS**, *Fimbristylis miliacea* — **MEXICAN WEED**, *Cyperus palustris* — **PARAGRASS**, *Panicum purpurascens* — **PIGWEEED**, *Amaranthus retroflexus* — **RED WEED (TEAWEEED)**, *Melochia corchorifolia* — **SOUR DOCK**, *Rumex crispus* — **SPEARHEAD**, *Rhynchospora corniculata* — **TALL INDIGO** or **COFFEE BEAN**, *Sesbania exaltata* — **TEXAS MILLET**, *Panicum texanum* — **WIREGRASS**, *Eleocharis* spp.

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WEEDS NOT CONTROLLED

ARROWHEAD, *Sagittaria* spp. — **BERMUDA**, *Cynodon dactylon* — **CAT-TAIL**, *Typha latifolia* — **DUCK SALAD**, *Heteranthera* spp. — **JOHNSON GRASS**, *Sorghum halepense* — **NUT GRASS**, *Cyperus* spp. — **RED RICE**, *Oryza sativa* — **SPRANGLETOP**, *Leptochloa* spp.

DIRECTIONS FOR USE — RICE ONLY

Do not use until you have also read the WARNING NOTICE as well as the DIRECTIONS FOR USE on this label.

DO NOT USE, POUR, SPILL OR STORE NEAR HEAT OR OPEN FLAME.

NET CONTENTS

U.S. GALLONS

5902-100
Rice fields should be well prepared and free of large weeds 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.

HELENA BRAND PROPANIL 4 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 after **HELENA BRAND PROPANIL 4** treatment.

In cases where flooding of the field would not be complete within seven days or less after application of **HELENA BRAND PROPANIL 4**, it is best to treat a portion of the field, flood that treated portion, and then treat the remainder. This 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 of **HELENA BRAND PROPANIL 4**.

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

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

The number of leaves of barnyard or water grass determines the time and amount of **HELENA BRAND PROPANIL 4** to spray, regardless of the size of the rice but before rice in full tiller stage (56 days before harvest).

THE GROWER SHOULD INSPECT FIELDS FREQUENTLY TO DETERMINE PROPER TIME OF APPLICATION. The ideal application time is when most barnyard grass has one to three leaves, with only an occasional plant having four 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 of **HELENA BRAND PROPANIL 4** per acre when most grass has reached the one to three leaf stage. Use 4 to 6 quarts of **HELENA BRAND PROPANIL 4** per acre if grasses are larger, with most in the four to six leaf stage. Mix **HELENA BRAND PROPANIL 4** thoroughly with water for spraying, using vigorous mechanical agitation. **FOR AERIAL APPLICATION,** dilute the proper amount of **HELENA BRAND PROPANIL 4** with 10 to 12 gallons of water per acre. Do not exceed 8 pounds per acre per season.

For GROUND APPLICATION EQUIPMENT, dilute the proper amount of **HELENA BRAND PROPANIL 4** 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 of **HELENA BRAND PROPANIL 4** (4-6 quarts/acre) must be used.

NOTICE—When **HELENA BRAND PROPANIL 4** is applied, especially after the fourth leaf stage of growth of rice, under some conditions, visible leaf injury

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NOTICE—When HELENA BRAND PROPANIL 4 is applied, especially after the fourth leaf stage of growth of 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.

NOTE: Before using, read entire label, including WARNING.

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

NOTICE

Helena Chemical Company warrants that this material conforms to the chemical description on the label and is reasonably fit for the purposes referred to in the Directions for Use and Conditions of Sale, subject to the inherent risks referred to therein. Helena Chemical Company makes no other express or implied warranty, including any other express or implied warranty of FITNESS or of MERCHANTABILITY, and no agent of Helena Chemical Company is authorized to do so except in writing, with a specific reference to this warranty. Any damages arising from a breach of this warranty shall be limited to direct damages, and not include consequential commercial damages such as loss of profit or value, etc.

DO NOT RE-USE THIS CONTAINER FOR ANY PURPOSE

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