

PM 25-5905-77

RED - [ATLAS BRAND
PROPANIL 4
SELECTIVE HERBICIDE]

For post-emergence control of Barnyard Grass and other weeds in Rice.

ACTIVE INGREDIENT:

3',4' -dichloropropionanilide	42.80%
INERT INGREDIENTS	57.20%
TOTAL	100.00%

Green -

Contains 4 pounds of propanil per gallon.

ACCEPTED

JAN - 5 1977

Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, for the pesticide registered under
EPA Reg. No. 5905-77

KEEP OUT OF REACH OF CHILDREN - 12 Point

CAUTION

- 18 Point

RED -

PRECAUCION AL USARIO: Si usted no lee inglese, no use este producto hasta que le etiqueta haya sido explicado ampliamente.

See Side Panels for Additional Precautions and Directions for Use.

E.P.A. REG. NO. 5905-77
E.P.A. EST. NO.

NET CONTENTS

MANUFACTURED BY
HELENA CHEMICAL COMPANY
MEMPHIS, TN. 38137

Green -

Colors PMS 199 - RED
PMS 357 - Green

No type smaller than 6 Point

10/1

all copy green except where noted Red

RED - [PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS
CAUTION

Irritating to eyes and skin. Harmful if swallowed or absorbed through skin. May be harmful if swallowed. Do not get in eyes or on skin. Wear eye and skin protection when handling. Do not take internally. Avoid breathing spray mist.

RED - [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 two glasses of water to drink. 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.

RED - [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 when disposing of equipment washwaters.

RED - [DIRECTIONS FOR USE - 12 Point Type

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

RED - [RE-ENTRY STATEMENT

Do not enter treated area without protective clothing until sprays have dried.

Because certain states may require more restrictive reentry 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.

RED → CHEMIGATION PROHIBITION

Do not apply this product through any type of irrigation system.

RED STORAGE AND DISPOSAL 12 POINT TYPE

Do not contaminate water, food, or feed by storage or disposal. Protect from freezing. If stored below 32°F and crystals form, warm to 72°F for 24 hours, periodically rolling drum to reconstitute.

PESTICIDE 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 E.P.A. 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 landfill, or by other procedures approved by state and local authorities.

Plastic Containers - Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

ALL COPY GREEN EXCEPT WHERE NOTED - RED -
NO TYPE SMALLER THAN 6 POINT.

GENERAL INFORMATION

PROPANIL 4 is a post emergent 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. 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.

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.

Rice fields to be treated should be inspected frequently before the application of 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).

NOTICE: Never apply 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 PROPANIL 4 WITHIN 14 DAYS before or after insecticide applications because serious damage to rice may occur.

Do not apply to any crops other than rice.

Before applying PROPANIL 4, make sure the spray equipment is properly calibrated to avoid over- and under-treatment.

Do not apply 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.

WEEDS CONTROLLED

Alligator Weed, *Alternanthera philoxeroides*
Barnyard Grass (Watergrass), *Echinochloa crussgalli* or *Echinochloa Colonum*
Brachiaria, *Brachiaria* spp.
Crabgrass, *Digitaria sanguinalis*
Croton, *Croton capitatus*
Curly Indigo, *Aeschynomene virainica*
Foxtail, *Setaria* spp.
Goosegrass, *Eleusine indica*
Gulf Cockspur, *Echinochloa crus-pavonis*
Hoorah Grass, *Fimbristylis miliaceae*
Mexican Weed, *Caperonia palustris*
Paragrass, *Panicum pupurascens*
Pigweed, *Amaranthus retroflexus*
Redweed (Seaweed), *Melochia corchorifolia*
Sour Dock, *Rumex crispus*
Spearhead, *Rhynchospora corniculata*
Tall Indigo or Coffee Bean, *Sesbania exaltata*
Texas Millet, *Panicum texanum*
Wiregrass, *Eleocharis* spp.

Not type smaller than 6 point.
All copy green.

WEEDS NOT CONTROLLED

Arrowhead, *Sagittaria* spp.
Bermudagrass, *Cynodon dactylon*
Cattail, *Typha latifolia*
Duck Salad, *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 Directions for Use on this label.

Do not drain water from treated fields into areas where catfish farming is practiced.

Do not apply to fields where commercial crayfish farming is practiced and do not drain water from treated fields into areas where crayfish farming is practiced.

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.

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. Flooding after spraying will improve the grass after PROPANIL 4 treatment.

In cases where flooding of the field would not be complete within 7 days or less after application of 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 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 PROPANIL 4 may be necessary.

The number of leaves of barnyard or watergrass determines the time and amount of PROPANIL 4 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 barnyard grass has one to three leaves with only an occasional plant having four leaves. During drought

No type smaller than 6 point.
All copy green

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 PROPANIL 4 per acre when most grass has reached the one to three leaf stage. Use 4 to 6 quarts of PROPANIL 4 per acre if grasses are larger with most in the four to six leaf stage. Mix PROPANIL 4 thoroughly with water for spraying using vigorous mechanical agitation. For AERIAL APPLICATION dilute the proper amount of PROPANIL 4 with 10 to 12 gallons of water per acre. For GROUND APPLICATION dilute the proper amount of 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 grass is exposed, a higher dosage of PROPANIL 4 (4-6 quarts/acre) must be used.

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

Note: Before using, read entire label.

To control watergrass, apply 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 3-4 inches over highest part of field to expose 6-8 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 3-5 leaves, use 5 quarts per acre 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.

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CONDITIONS OF SALE - LIMITED WARRANTY
AND LIMITATIONS OF LIABILITY AND REMEDIES

The directions on this label are believed to be reliable and should be followed carefully. Insufficient control of pests and/or injury to the crop to which the product is applied may result from the occurrence of extraordinary or unusual weather conditions, the failure to follow the label directions, or good application practices, all of which are beyond the control of Helena or seller. In addition, failure to follow label directions may cause injury to crops, animals, man or the environment. Helena warrants that this product conforms to the chemical description on the label and is reasonably fit for the purpose referred to in the directions for use subject to the factors noted above which are beyond the control of Helena. Helena makes no other warranties or representations of any kind, express or implied, concerning the product, including no implied warranty of merchantability or fitness for any particular purpose, and no such warrant shall be implied by law.

The exclusive remedy against Helena for any cause of action relating to the handling or use of this product is a claim for damage and in no event shall damages or any other recovery of any kind against Helena exceed the price of the product which causes the alleged loss, damage, injury, or other claim. Helena shall not be liable and any and all claims against Helena are waived, for special, indirect, incidental, or consequential damages or expense, of any nature, including, but not limited to, loss of profits or income, whether or not based on Helena negligence, breach of warranty, strict liability in tort or any other cause of action.

Helena and the seller offer this product and the buyer and user accept it, subject to the foregoing conditions of sale and limitation of warranty, liability and remedies.

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All copy green.