

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

NOTICE OF PESTICIDE: x Registration
EPA Reg. Number: 74530-8
Term of Issuance: Conditional
Name of Pesticide Product: Helm Propanil X-tra Flowable

Helm
1155 Snowden Farm Grove
Collierville, TN 38017

This product is conditionally registered in accordance with Section 3(c)(7) of the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, provided you make the following label changes:

1. Under "First Aid";

Add the following statement at the end of the "First Aid" Box:

"You may also contact (toll-free number) for emergency medical treatment."

2. Under "Precautionary Statements";

- a. Add the following statement:

- b. "This product causes moderate eye irritation."

- c. Add an engineering control statement.

3. Under "Environmental Hazards";

- a. Add "This product is toxic to shrimp."

- b. Add the following paragraphs that are listed in the source product label (copy enclosed):

"This product may contaminate water through . . . also provides information concerning levee production."

"This chemical has properties . . . in the subsoil of the rice paddy."

4. Under "Directions for Use";

Add the following statements under the heading "Where To Use":

- Do not apply within 60 days of harvest.

Page 2

EPA Reg. No. 74530-8

- Do not rotate to crops other than rice for 60 days following application.
 - Do not apply to fields where catfish farming is practiced and do not drain
 - water -from treated fields into areas where catfish farming
 - Do not retreat with Propanil within 7 days of last application to rice.
 - Do not discharge water from treated rice paddies from 30 days following application.
5. Under "Storage and Disposal";
- Change "Storage" to "Pesticide Storage."
6. Under "General Information";

Add the following "Spray Drift Control" Statement:

"Do not allow spray to drift from the application site and contact people, structures people occupy at any time and the associated property, parks and recreation areas, nontarget crops, aquatic and wetland areas, woodlands, pastures, rangelands, or animals.

For ground boom applications, apply with nozzle height no more than 4 feet above the ground or crop canopy and when wind speed is 10 mph or less at the application site as measured by an anemometer. Use _____ (registrant to fill in blank with spray quality, e.g., fine or medium) or coarser spray according to ASAE 572 definition for standard nozzles or VMD for spinning atomizer nozzles.

For aerial applications, the boom width must not exceed 75% of the wingspan or 90% of the rotary blade. Use upwind swath displacement and apply only when wind speed is 3 -- 10 mph as measured by an anemometer. Use _____ (registrant

to fill in blank with spray quality, e.g., fine or medium) or coarser spray according to ASAE 572 definition for standard nozzles or VMD for spinning atomizer nozzles. If application includes a no-spray zone, do not release spray at a height greater than 10 feet above the ground or the crop canopy.

For overhead chemigation, apply only when wind speed is 10 mph or less.

The applicator also must use all other measures necessary to control drift."

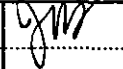
7. Add on the front panel, "EPA Reg. No. 74530-8" and "EPA Est. No. 74530-XX-XX."

Submit one copy of your final printed labeling before you release the product for shipment. If these conditions are not complied with, the registration will be subject to cancellation

Page 3
EPA Reg. No. 74530-8

in accordance with FIFRA section 6(e). Your release for shipment of the product constitutes acceptance of these conditions.

CONCURRENCES

INITIAL	>	C.T.B.							
SURNAME	>	Bien	Tompkins						
DATE	>	6-19-03	6-19-03						

4/8

Propanil Xtra Flowable

Herbicide

For Postemergence Control of Broadleaf and Grass Weeds in Rice Fields

ACCEPTED
with COMMENTS
in EPA Letter Dated

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

74530-8

Active Ingredient:		
Propanil: 3',4'-Dichloropropionanilide		41.20%
Inter Ingredients:		<u>58.50%</u>
TOTAL		100.00%

JUN 23 2003

This product contains 4 lbs. of 3',4'-Dichloropropionanilide per gallon of formulated product.

EPA Reg. No. 74530-xx

EPA Est. No.

**KEEP OUT OF REACH OF CHILDREN
CAUTION**

FIRST AID

If swallowed:	<ul style="list-style-type: none"> • Call a poison control center or doctor immediately for treatment advice. • Have person sip a glass of water if able to swallow. • Do not induce vomiting unless told to do so by a poison control center or doctor. • Do not give anything by mouth to an unconscious person.
If in eyes:	<ul style="list-style-type: none"> • Hold eye open and rinse slowly and gently with water for 15 - 20 minutes. • Remove contact lenses, if present, after the first 5 minutes, then continue rinsing. • Call a poison control center or doctor for treatment advice.
If on skin:	<ul style="list-style-type: none"> • Take off contaminated clothing. • Rinse skin immediately with plenty of water for 15 - 20 minutes. • Call a poison control center or doctor for treatment advice.
If inhaled:	<ul style="list-style-type: none"> • Move person to fresh air. • If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. • Call a poison control center or doctor for further treatment advice.

Have the product container or label with you when calling a poison control center or doctor or going for treatment.

AGRICULTURAL CHEMICAL

DO NOT SHIP OR STORE WITH FOOD, FEEDS, DRUGS, OR CLOTHING

FOR CHEMICAL SPILL, LEAK, FIRE, OR EXPOSURE CALL TOLL FREE: 1-800-424-9300

HELM
1155 Snowden Farm Cove
Collierville, TN 38017

PRECAUTIONARY STATEMENTS**HAZARDS TO HUMANS AND DOMESTIC ANIMALS****CAUTION**

Harmful if swallowed, absorbed through skin or inhaled. Causes eye irritation. Avoid breathing spray mist. Avoid contact with skin, eyes, or clothing. This product may cause an allergic skin reaction. In case of contact, immediately flush eyes or skin with plenty of water. Get medical attention if irritation persists.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Applicators and other handlers must wear:

- long -sleeved shirt and long pants
- waterproof gloves
- shoes plus socks
- chemical-resistant headgear for overhead protection

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

USER SAFETY RECOMMENDATIONS

Users should:

- Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet
- Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

ENVIRONMENTAL HAZARDS

For terrestrial uses, do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment washwaters. This product is toxic to fish. Drift and runoff from treated areas may be hazardous to aquatic organisms in neighboring areas. Do not contaminate water intended for irrigation or domestic purposes. Do not apply when weather conditions favor drift from target area.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your state or tribe, consult the agency responsible for pesticide regulation.

AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE) and restricted-entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 24 hours.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involved contact with anything that has been treated, such as plants, soil, or water, is:

coveralls

waterproof gloves

shoes plus socks

chemical-resistant headgear for overhead exposure

STORAGE AND DISPOSAL

STORAGE: Do not contaminate water, food, or feed by storage or disposal. Open dumping is prohibited. Do not store this product near fertilizers, seeds, insecticides, or fungicides. Containers should not be stacked more than 3 containers high. Reclose all partially used containers by thoroughly tightening screw cap. Damaged or leaking containers which contain product that cannot be used immediately should be transferred to suitable sound containers and properly marked. Any spilled material should be thoroughly absorbed with a suitable absorbent, swept up and transferred to a new or waste container for disposal as indicated under 'Pesticide Disposal'.

For safety and prevention of unauthorized use, all pesticides should be stored in locked facilities. To prevent accidental misuse, different pesticides should be stored in separate areas with enough distance between to provide clear identification.

Opened, partially used pesticides should be stored in original containers when possible. When transfer to another container is necessary because of leakage or damage, carefully mark and identify contents of the new container. Keep containers closed when not in use.

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 EPA regional office for guidance.

CONTAINER DISPOSAL: Triple rinse (or equivalent), adding rinsate to spray tank. Offer rinsed containers for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

WHERE TO USE

Propanil Xtra Flowable is used for postemergence control of broadleaf and grass weeds in RICE fields.

WEEDS CONTROLLED

Barnyardgrass (watergrass), brachiaria, coffeeweed, crabgrass, croton, curly indigo, foxtail, goosegrass, gulf cockspur, mexicanweed, millet (Texas), paragrass, pigweed, sourdock, spearhead, wiregrass. (Propanil Xtra Flowable will not control arrowhead, bermudagrass, cattail, ducksalad, johnsongrass, nutgrass, red rice and sprangletop).

GENERAL INFORMATION

Several important factors should be taken into account to achieve a high efficiency of selective weed control with Propanil Xtra Flowable. These include uniform application, growth stage and weather conditions. To assure uniform application mix the prescribed amount of Propanil Xtra Flowable with a sufficient volume of water to provide thorough coverage of target area. For aerial applications use approximately 10 gallons of water, or for surface (ground) applications 20 - 30 gallons of water per acre at sufficient spray pressure. Agitate tank mixes thoroughly and continuously. Avoid over and under application.

Growth stage of weeds is very important. Best results for selective weed control are obtained when most grasses have reached the 1 to 3 leaf stage.

Proper field preparation is essential to ascertain a relatively clod free and level surface and to obtain uniform flood levels and growth. Fields may be flushed prior to treatment to produce uniform and vigorous grass germination and growth. Drain water from fields prior to applying Propanil Xtra Flowable. Higher rates are recommended to control larger grasses or exposed weeds when rice fields are not completely drained. Inspect rice fields regularly to select the correct application time.

DO NOT apply this product through any type of irrigation system.

DO NOT apply to fields where commercial catfish farming is practiced and do not drain water from treated fields into areas where catfish farming is practiced.

DO NOT apply this product (directly or indirectly) to any crop except rice. DO NOT apply when wind conditions will allow drift to adjacent, susceptible crops such as beans, soybeans, cotton, safflower, cucurbits, vegetables, orchards (such as almonds, prunes and grapes) and other sensitive crops.

WEATHER CONDITIONS

Temperature: Temperatures at and before application affect product activity in controlling target weeds. Applications should be made

when daily maximum temperatures are between 75°F and 100°F. Control decreases with temperatures below 75°F and increases with temperatures about 75°F.

Application Timing: Propanil Xtra Flowable normally requires 8 hours of DIRECT sunlight after application for absorption into target weeds, however, many atmospheric and environmental conditions can affect absorption into the target weeds. It is highly recommended that application of Propanil Xtra Flowable be planned so that the applied product remains in contact with the leaf surfaces for at least 48 hours prior to rainfall or flooding. Historically, morning applications of Propanil products, including Propanil Xtra Flowable, have produced better results in weed control.

Relative Humidity: Propanil Xtra Flowable is a contact herbicide, therefore, herbicidal activity is affected by humidity. High humidity and dew aid in weed control by allowing the product to remain in solution longer on the leaf surface. Low humidity decreases plant activity and thus reduces product absorption. During periods of very low humidity, higher spray volumes, 12 - 15 gallons per acre, should be used when applied aerially.

Soil Moisture: Under dry conditions, grass and broadleaf weeds are less susceptible to control. Higher rates of product, 4 to 6 quarts per acre, should be used to achieve control.

Wind: Although Propanil Xtra Flowable is less susceptible to drift than solvent-based Propanil products, application should be avoided if wind velocity is high enough to cause drift of the application spray off the target site or irregular spray patterns.

ADJUVANTS AND APPLICATION AIDS

When Propanil Xtra Flowable is used alone (not in combination with any other postemergent rice herbicide), a low viscosity crop oil concentrate or surfactant may be used to improve wetting of foliage and increase weed control. Use of a crop oil concentrate is recommended when application is made during cool weather conditions or unstable weather conditions that may produce rain. Under adverse weather conditions, the addition of a crop oil concentrate when tank mixing Propanil Xtra Flowable and other rice herbicides for application should be considered. Consult product labels for adjuvant recommendations. The use of a suitable crop oil concentrate or surfactant does not significantly increase injury to rice (leaf tip burn).

Consult Extension Service for detailed application advice.

RECOMMENDED BROADCAST RATE

Apply 3 quarts of Propanil Xtra Flowable per acre when most grasses have reached the 1 to 3 leaf stage. Use 4 to 6 quarts of Propanil Xtra Flowable per acre when the grasses are large (4 to 6 leaf stage) or when unseasonably cool weather conditions prevail, grass and broadleaf weeds are stressed due to dry conditions, or in cases where rice fields have not been drained completely and where weeds are large enough.

Barnyardgrass may be controlled up to 30 to 45 days after planting, before rice plants have reached the fully tillered growth stage.

NOTE: Propanil Xtra Flowable applied to rice after the 4 leaf stage may cause visible injury under some climatic conditions. Rice plants usually outgrow such injury.

NOTE: Water drained from treated rice fields must not be used to irrigate other crops or be released within 1/2 mile of a potable water intake in flowing water (i.e., river, stream, etc.) or within 1/2 mile of a potable water intake in a standing body of water (i.e., lake, pond, or reservoir).

IN CALIFORNIA: Use Propanil Xtra Flowable only where rice fields are completely drained or a minimal amount of water remains. If higher water level is desired, reflood field after 12 hours and before 7 days after treatment. This will discourage new weed infestations. Do not apply Propanil Xtra Flowable within 14 days before or after insecticide applications. Serious injury to rice may occur.

TANK MIXTURES

Propanil Xtra Flowable can be tank mixed with any herbicide(s) registered for use on rice to increase the weed control spectrum. When tank mixing, observe all restrictions and limitations specified on the label of each product, always follow the most restrictive labeling.

Propanil Xtra Flowable plus *Facet® - Early Postemergence

For a broader spectrum of postemergence grass and broadleaf weed control in rice, tank mix Propanil Xtra Flowable with Facet 50WP (or equivalent Facet 75DF).

When the Propanil Xtra Flowable / Facet tank mix is to be applied to rice fields during the early stages of rice growth (shortly after the

first true leaf of the rice has developed), where longer Facet residual activity is needed and grass weeds are in the 1 - 4 leaf stage, apply 3 - 4 quarts of Propanil Xtra Flowable tank mixed with 0.75 pounds of Facet 50WP (or 0.50 pounds of Facet 75DF) per acre.

When the Propanil Xtra Flowable / Facet tank mix is to be applied to larger rice that can soon tolerate a permanent flood (long quinclorac residual control not needed) yet prior to 80 days before harvest, apply as conditions warrant the following rates:

Grass Stage ¹	Propanil Xtra Flowable rate	Facet 50WP rate
1 - 3 leaf	2.5 quarts	0.50 pounds
4 - 5 leaf	4.0 quarts	0.50 pounds
larger tillering	4 - 5 quarts	0.75 pounds

¹This tank mix combination works best when the grass weeds are in the 2 - 3 leaf stage and are actively growing. Use on larger tillering grasses is a rescue treatment and less likely to achieve total control.

When tank mixing Propanil Xtra Flowable and Facet, 2 pints of crop oil concentrate should be added. Follow all Propanil Xtra Flowable and Facet restrictions and water management instructions.

*Facet is not registered for use on rice in California; therefore, this tank mix cannot be used in California.

CONDITIONS OF SALE AND WARRANTY

HELM AND SELLER OFFER THIS PRODUCT AND THE BUYER AND USER ACCEPTS THIS PRODUCT UNDER THE FOLLOWING AGREED CONDITIONS OF SALE AND WARRANTY.

The directions for use of this product are believed to be reliable and should be followed carefully. However, it is impossible to take into account all variables and to eliminate all risks associated with its use. Injury or damage may result because of conditions which are beyond the control of Helm or the Seller. Helm warrants only that this product conforms to the chemical description on the label and is believed to be reasonably fit for the purposes referred to in the Directions for Use when used as directed under normal conditions. HELM MAKES NO OTHER EXPRESS OR IMPLIED WARRANTY OF FITNESS OR MERCHANTABILITY OR ANY OTHER EXPRESS OR IMPLIED WARRANTY. In no case shall Helm or the Seller be liable for consequential, special or indirect damages resulting from the use or handling of this product. Any variation or exception from this warranty must be in writing and signed by an authorized Helm representative.

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