

**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY**

WASHINGTON, D.C. 20460

OFFICE OF
PREVENTION, PESTICIDES
AND TOXIC SUBSTANCES

SEP 10 2002

Ms. Sam Bondurant
RICECO LLC
5100 Poplar Avenue, Suite 2428
Memphis, TN 38137

Subject: Propanil WDG Herbicide
EPA Registration No. 71085-4
Your amended labeling submitted June 24, 2002

Dear Ms. Bondurant:

The amended labeling referred to above is acceptable provided you adhere to the following conditions:

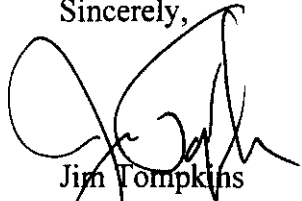
1. In the statements following the RECOMMENDED BROADCAST RATE section, delete "IN CALIFORNIA:" to change "NOTE: IN CALIFORNIA:" to "NOTE:"
2. Submit two copies of final labeling (including the main label) for this product.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6(e). Your release for shipment of the product constitutes acceptance of these conditions.

This labeling supercedes all previously accepted labeling for this product (except supplemental labeling). A stamped copy of the label is enclosed for your records.

If you have any questions about this letter, you may call Tobi Colvin-Snyder at 703-305-7801.

Sincerely,



Jim Tompkins
Product Manager (25)
Herbicide Branch
Registration Division (7505C)

ACCEPTED
with COMMENTS
In EPA Letter Dated

SEP 10 2002

Under the Federal Insecticide,
Fungicide, and Rodenticide Act
as amended, for the pesticide
registered under EPA Reg. No.
71085-4



-PENDING RESUBMITTED 6/24/02

PROPANIL WDG

Herbicide

For Postemergence Control of Broadleaf and
Grass Weeds in Rice Fields

Active Ingredient:	
Propanil (3',4'-Dichloropropionanilide)	50.00
Inert Ingredients	50.00
TOTAL	100.00

This product contains 0.5 lb. Of Propanil per pound of formulated product

EPA Reg. No. 71085-4
EPA Est. No.

CAUTION-CAUCION

KEEP OUT OF REACH OF CHILDREN

Si usted no entiende la etiqueta, busque a alguien para que se le explique a usted en detalle. (If you do not understand the label, find someone to explain it to you in detail.)

FIRST AID

If Swallowed:

- 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 by a poison control center or doctor.

If in Eyes:

- 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 or Clothing:

- 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:

- Move person to fresh air.
- If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible.
- Call a poison control center or doctor for further treatment advice.

Causes moderate eye irritation. Avoid breathing spray mist or dust. Avoid contact with skin, eyes or clothing.

PERSONAL PROTECTIVE EQUIPMENT (PPE)
Some materials that are chemical-resistant to this product are listed below. If you want more options, follow the instructions for category A on an EPA material category selection chart.

Applicators and other handlers must wear:

- Long-sleeved shirt and long pants
- Chemical-resistant gloves, such as polyethylene or polyvinyl chloride ->14 mil
- Shoes plus socks
- Chemical-resistant headgear for overhead exposure

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.

ENGINEERING CONTROL STATEMENTS:
When handlers use closed systems, enclosed cabs, or aircraft in a manner that meets the requirements listed in the Worker Protection Standards (WPS) for agricultural pesticides [40 CFR 170.240(d) (4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS.

AGRICULTURAL CHEMICAL
DO NOT SHIP OR STORE WITH FOODS, FEEDS,
DRUGS, OR CLOTHING.

USER SAFETY RECOMMENDATIONS
Users should:

- Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
- Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- 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.

FOR CHEMICAL SPILL, LEAK, FIRE OR EXPOSURE, CALL TOLL FREE 1-800-424-9300
PRECAUTIONARY STATEMENTS
HAZARDS TO HUMAN AND DOMESTIC ANIMALS
CAUTION
Harmful if swallowed, inhaled, or absorbed through skin.

ENVIRONMENTAL HAZARDS
Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not

contaminate water when cleaning equipment or disposing of equipment washwaters. This product is toxic to shrimp.

This product may contaminate water through runoff following rainfall events and by seepage through levees. This product has a high potential for runoff. Runoff of this product will be reduced by avoiding applications when rainfall is forecasted to occur within 48 hours. Levees should be constructed with adequate time prior to chemical applications so that they are compacted to reduce seepage and to hold a 3- to 6-inch flood (2001 Mississippi Rice Growers Guide.) Other guidance is located at http://agronomy.ucdavis.edu/uccerice/water/see_p.htm and from the document "Closed Rice Water Management Systems" from the National Resource Conservation Service of the USDA. The University of Arkansas Rice Production Book (http://www.uaex.edu/other_areas/publications/htm/) also provides information concerning levee production.

This chemical has properties and characteristics associated with chemicals detected in ground water. The use of this chemical prior to flooding may result in some shallow ground water contamination due to cracks in subsoil of the rice paddy.

Do not apply when weather conditions favor drift from target areas.

DIRECTIONS FOR USE

It is a violation of Federal Law to use this product in a manner inconsistent with this labeling. Do not apply this product in a way that will contact workers or other persons, either directly or indirectly 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, documentation, 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 Workers 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 involves contact with anything that has been treated, such as plants, soil or water, is:

- Coveralls
- Chemical-resistant gloves, such as polyethylene or polyvinyl chloride ->14 mil
- Shoes plus socks
- Chemical resistant headgear for overhead exposure

STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage or disposal.

STORAGE: Open dumping is prohibited. Do not store this product near fertilizers, seeds, insecticides, or fungicides. Palletized product should not be stacked more than 3 units high. Reclose all partially used containers by tying bag top shut. 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 swept up and transferred to the new container or disposed of as indicated under 'Pesticide Disposal'.

For safety and prevention of unauthorized use, all pesticides should be stored in locked facilities.

Opened, partially used pesticides should be stored in original containers when possible. 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 control agency or the hazardous waste representative at the nearest EPA regional office for guidance.

CONTAINER DISPOSAL: Completely empty bag into application equipment. Then dispose of empty bag in a sanitary landfill or by incineration or, if allowed by state and local authorities, by

burning. If burned, stay out of smoke.

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Sweep or shovel into containers for disposal or reworking. Keep dusting to a minimum. Flush contaminated area with a large amount of water to a chemical or sanitary sewer containing a settling pit.

WHERE TO USE

PROPANIL WDG is used for postemergence control of broadleaf and grass weeds in RICE fields.

WEEDS CONTROLLED

*Barnyardgrass (watergrass), brachiaris, coffeeweed, crabgrass, croton, curly indigo, foxtail, goosegrass, gulf cockspur, Hoorahgrass, mexicanweed, millet (Texas), panicum (Texas), paragrass, pigweed, redweed, sesbania hemp (coffeebean), signalgrass (broadleaf), sourdock, spearhead, wiregrass.

(**PROPANIL WDG** 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 WDG**. These include uniform application, growth stage and weather conditions. To assure uniform application, mix the prescribed amount of **PROPANIL WDG** with a sufficient volume of water to provide thorough coverage of target area. For aerial application 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 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 WDG**. 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, plums, and grapes) and other sensitive crops.

WEATHER CONDITIONS:

Weather conditions must be observed closely. Under cool weather conditions higher rates are required to achieve satisfactory control. Avoid application if rain threatens within 6 to 8 hours, or if wind velocities are high enough to cause drift and irregular spray patterns.

ADJUVANTS AND APPLICATION AIDS:

When **PROPANIL WDG** is used alone (not in combination with any other postemergent rice herbicides), a suitable low viscosity crop oil concentrate surfactant or surfactant may be used to improve wetting of foliage and increase weed control. High viscosity crop oil concentrate products are NOT recommended for use with **PROPANIL WDG**. 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 WDG** 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.) Refer to crop oil or surfactant label for proper use rate.

Consult Extension Service for detailed application advice.

RECOMMENDED BROADCAST RATE

Apply 6 pounds of **PROPANIL WDG** per acre when most grasses have reached 1 to 3 leaf stage. Use 8 to 12 pounds of **PROPANIL WDG** 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 the 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 WDG 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 upstream 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).

NOTE: IN CALIFORNIA: Use **PROPANIL WDG** 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 WDG** within 14 days before or after insecticide applications. Serious injury to rice may occur.

SPRAY MIXTURE PREPARATION
Wet Spray Application

Thoroughly mix **PROPANIL WDG** with clean water (water that is free of sediment and agricultural chemicals) in the spray tank. Do not use water from paddies. Only approved drift control agents, e.g. Chemtrol 6, may be used with **PROPANIL WDG**. Do not use any other additives except as directed by this label.

To ensure uniform mixing and application, agitate the mixture before application. If the mixture is not sprayed immediately after agitation, re-agitate it before application. Always apply **PROPANIL WDG** spray preparations within 24 hours of product mixing, or the product may degrade.

Do not store **PROPANIL WDG** in nurse tanks or any other tanks used to store or transport clean water. Install one-way valves (anti-siphoning devices) on lines and hoses of mixing/loading equipment to prevent contamination of nurse tanks or other clean water sources.

Mixing and application equipment exposed to

PROPANIL WDG cannot be used for anything other than rice applications until it has been cleaned according to the procedures in the Sprayer Clean-up section of this label.

Additional Mixing Instructions (wet spray)

1. Fill the tank 1/4 to 1/3 full of clean water.
2. While agitating, add the required amount of **PROPANIL WDG**.
3. Continue agitation until the **PROPANIL WDG** is fully dispersed, at least 5 minutes.
4. Once the **PROPANIL WDG** is fully dispersed, maintain agitation and continue filling the tank with water. The **PROPANIL WDG** should be thoroughly mixed with water before adding any other material.
5. As the tank is filling, add the required tank mix partner (other labeled rice herbicides, adjuvants, drift control agents, etc.)
6. If the mixture is not continuously agitated, settling may occur. If settling occurs, thoroughly re-agitate before using.
7. Apply **PROPANIL WDG** spray preparations within 24 hours of product mixing, or the product may degrade.
8. If **PROPANIL WDG** and a tank mix partner are to be applied in multiple loads, pre-slurry the **PROPANIL WDG** in clean water prior to adding to the tank. This will prevent the tank mix partner from interfering with the dissolution of the **PROPANIL WDG**.

SPRAYER CLEANUP

Before using equipment exposed to **PROPANIL WDG** to treat another crop, clean the sprayer and any other equipment (loading hoses, batch tanks, etc.) using the following procedure:

1. Steam-clean tank using a nonchlorine-based detergent, taking care to remove all physical residues.
2. Thoroughly rinse sprayer, tanks, boom, and hoses with clean water (free of sediment and agricultural chemicals.)
3. Fill the tank one-half full with clean water and add Nutra-sol⁴ at 32 oz. per 100 gal. Of water. Fill the tank to capacity with clean water. Flush the nozzles, boom and hoses, and agitate (and recirculate, if possible) the sprayer for 15 minutes. Drain the equipment, taking care to flush the boom and hoses thoroughly.

4. Rinse tanks, hoses and nozzles with clean water to remove 'Nutra-sol.'
5. Fill the tank one-half full with clean water and add 1 gal. of 21% ammonia or 7 gal. of 3% ammonia per 100 gal. of water. Fill the tank to capacity with clean water. Flush the nozzles, boom, and hoses and agitate (and recirculate, if possible) the sprayer for 15 minutes. Drain the equipment, taking care to flush the boom and hoses thoroughly.
6. Remove nozzles, screens, and strainers, and clean them separately.
7. Rinse tanks, booms, and hoses with clean water.
8. Repeat steps 5 and 7 an additional 3 times.
9. Rinse tanks, booms, and hoses to remove all traces of ammonia.
10. Water rinses may be applied to rice fields. Dispose of bleach rinses at an approved waste disposal facility.

NOTE: When applying multiple loads of **PROPANIL WDG** several days in a row, the following procedure must be performed at the end of each day: partially fill the tank with fresh water, flush the boom and hoses, and allow to sit overnight.

Attention: Do not use chlorine bleach with ammonia. All traces of liquid fertilizer containing ammonia, ammonium nitrate, or ammonium sulphate must be rinsed from the mixing and application equipment using water before adding chlorine bleach solution. Failure to do so will release a gas with a musty chlorine odor that can cause eye, nose, and throat and lung irritation. Do not clean equipment in an enclosed area.

Perform cleanup procedures on batch tanks and any other mixing equipment separately from aircraft hoppers. Take care to clean loading hoses and any other equipment or surfaces exposed to **PROPANIL WDG**.

SPRAY DRIFT MANAGEMENT

Avoiding spray drift at the application is the responsibility of the applicator. The interaction of many equipment and weather related factors determine the potential for spray drift. The applicator and the grower are responsible for considering all these factors when making decisions. The following drift management requirements must be followed to avoid off-target

drift movement from the aerial applications to agricultural field crops. These requirements do not apply to forestry applications, public health uses or to applications using dry formulation.

1. The distance of the outer most nozzles on the boom must not exceed 3/4 the length of the wingspan or rotor.
2. Nozzles must always point backward parallel with the air stream and never be pointed downwards more than 45 degrees. Where states have more stringent regulations, they should be observed.

The applicator should be familiar with and take into account the information covered in the Aerial Drift Reduction Advisory Information.

Information on Droplet Size

The most effective way to reduce drift potential is to apply large droplets (>150-200 microns.) The best drift management strategy is to apply the largest droplets that provide sufficient coverage and control. The presence of sensitive species nearby, the environmental conditions, and pest pressure may affect how an applicator balances drift control and coverage. Applying large droplets reduces drift potential, but will not prevent drift if applications are made improperly or under unfavorable environmental conditions. (See Wind, Temperature and Humidity, and Surface Temperature Inversions sections of this label.)

Controlling Droplet Size

Volume: Use 3 high flow rate nozzles to apply the highest practical spray volume. Nozzles with higher rated flows produce larger droplets.

Pressure: Do not exceed the nozzle manufacturer's recommended pressures. For many nozzle types, lower pressure produces larger droplets. When higher flow rates are needed, use higher flow rate nozzles of increasing pressure.

Number of nozzles: Use the minimum number of nozzles that provide uniform coverage.

Nozzle Orientation: Orienting nozzles so that the spray is released parallel to the air stream produces larger droplets than other orientations and is the recommended practice. Significant deflection from horizontal will reduce droplet size and increase drift potential.

Nozzle Type: Use nozzle type that is designed for the intended application. With most nozzle types, narrow spray angles produce larger droplets. Consider using low-drift nozzles. Solid stream nozzles oriented straight back produce the largest droplets and the lowest drift.

Boom Length

For some use patterns, reducing the effective

boom length to less than 3/4 of the wingspan or rotor length may further reduce drift without reducing swath width.

Application Height

Applications should be made at a height greater than 10 feet above the top of the largest plants unless a greater height is required for aircraft safety. Making applications at the lowest height that is safe reduces exposure of droplets to evaporation and wind.

Swath Adjustment

When applications are made with a crosswind, the swath will be displaced downwind. Therefore, on the up and downwind edges of the field, the applicator must compensate for this displacement by adjusting the path of the aircraft upwind. Swath adjustment distance should increase with increasing drift potential (higher wind, smaller drops, etc.)

Wind

Drift potential is lowest between wind speeds of 2-10 mph. However, many factors, including droplet size and equipment type determine drift potential at any given speed. Application should be avoided at wind speeds below 2 mph due to variable wind direction and high inversion potential. NOTE: Local terrain can influence wind patterns. Every applicator should be familiar with local wind patterns and how they affect spray drift.

Temperature and Humidity

When making applications in low relative humidity, set up application equipment to produce larger droplets to compensate for evaporation. Droplet evaporation is most severe when conditions are both hot and dry.

Temperature Inversions

Applications should not occur during a temperature inversion, due to high drift potential. Temperature inversions restrict vertical air mixing, which causes small, suspended droplets to remain in a concentrated cloud. This cloud can move in unpredictable directions due to the light variable winds common during inversions. Temperature inversions are characterized by increasing temperatures with altitude and are common on nights with limited cloud cover and light to no wind. They begin to form as the sun set and often continue into the morning. Their presence can be indicated by ground fog, however, if fog is not present, inversions can also be identified by the movement of smoke from a ground source or an aircraft smoke generator. Smoke that layers and moves literally in a connected cloud (under low wind conditions) indicates an inversion, while smoke that moves upwards and rapidly dissipates indicates good vertical air mixing.

Sensitive Areas

The pesticide should only be applied when the potential for drift to adjacent sensitive areas (e.g. residential areas, bodies of water, own habitat for threatened or endangered species, non-target crops) is minimal (e.g. when wind is blowing away from the sensitive areas.)

CONDITIONS OF SALE AND WARRANTY

RiceCo 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 RiceCo or the seller. RiceCo 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. RiceCo MAKES NO OTHER EXPRESS OR IMPLIED WARRANTY OF FITNESS OR MERCHANTABILITY OR ANY OTHER EXPRESS OR IMPLIED WARRANTY. In no case shall RiceCo or the Seller be liable for consequential, special or indirect damage 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 RiceCo representative.



RiceCo LLC
5100 Poplar Avenue, Suite 2428
Memphis, TN 38137 USA

3/18/02-M (PENDING APPROVAL)