

Retzloff

RETZLOFF DELTA CO. P. O. Box 40383 • Houston, Texas 77240-0383 • 713/466-4600

PROPANILO-4

ACCEPTED

JUN - 7 1985

Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, for the pesticide registered under EPA Reg. No. 46193-GT-04

ACTIVE INGREDIENT	45.4%
3-(4-Chlorophenyl)propionitrile	
INERT INGREDIENT	54.6%
TOTAL	100%
PROPANILO-4 contains 4 lbs. Propanil per gallon	

CAUTION: KEEP OUT OF REACH OF CHILDREN

Avoid breathing fumes from harmful vapors, absorbed through the skin. Do not get eyes or skin in contact. In case of contact, flush skin and eyes with plenty of water. In case of eye contact, get medical attention. May cause skin irritation.

ANTIDOTE: If taken internally, induce vomiting and call a physician at once. Do not induce vomiting if swallowed.

This product is toxic. Keep out of lakes, streams, or ponds. Do not apply where it can be washed into or drift from areas treated. Do not contaminate water by leaching, if placement, or disposal of wastes.

Do not store at temperatures below 32°F.

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

Apply with a sprayer as specified on this label.

READ ENTIRE LABEL, BEFORE USING THIS PRODUCT

Use of this product in a manner not in accordance with the information on this label may cause or contribute to the death of humans, domestic animals, and to aquatic life. Do not apply to ornamental plants, or to sensitive and unlawful chemical residues, or produce other undesirable results.

DIRECTIONS FOR USE

PROPANILO-4 is a selective and emergent herbicide for control of barnyard grass and certain other weeds in rice. PROPANILO-4 contains 4 lbs. active ingredient per gallon and is mixed with water for spraying. To avoid injury to rice, do not mix with urea fertilizers or apply them separately either before or after PROPANILO-4 treatment, unless such treatments are recommended by State Agricultural Experiment Station or Extension Service. Special care is following thorough testing.

TIMING AND DOSAGE: Use at 3 to 8 quarts (3 to 8 lbs. a/c) per acre according to the stage and condition of growth of grass. Grasses and weeds should be actively growing when treated. Optimum temperatures are from 85° to 90°F. Do not use when daytime temperatures below 50° or above 100°F are expected. The higher dosage is required for stunted, deep-rooted grasses growing in very dry surface soil and for large flowering grass. Usually one application is sufficient. If retreatment is necessary, apply as soon as need to emerge.

Use 3 quarts PROPANILO-4 (3 lbs. active) per acre for actively growing grass in the early 4-leaf stage with shallow roots.

Use 4 to 6 quarts PROPANILO-4 (4 to 6 lbs. active) per acre for actively growing grass in 4 to 5 leaf and early flowering stage. Do not exceed 1 to 4 leaf grass in deeper roots growing in dry soil.

Use 5 to 8 quarts PROPANILO-4 (5 to 8 lbs. active) per acre for flowering grass 8 to 12 inches tall, only in emergency conditions. Only partial control may be expected.

TO AVOID BURNING AT HARVEST, DO NOT APPLY AFTER FULL TILLER DEVELOPMENT WITHIN 30 DAYS BEFORE HARVEST. DO NOT EXCEED A TOTAL OF 8 LBS. ACTIVE PER ACRE PER SEASON.

METHOD OF SEEDING: PROPANILO-4 may be used on dry planted, flooded or broadcast, or in muddy or near water planted rice. For best results, fields should be uniformly level and have well prepared seedbeds free of large clods to encourage uniform and rapid emergence of rice, grass, and weeds. A few large clods and clumps should be provided to permit quick draining, flushing or flooding before and after treatment to meet the optimum water requirements for the rice crop and for optimum use of PROPANILO-4 in grass control.

WATER MANAGEMENT BEFORE TREATMENT

DRY PLANTING: Plant in a moist seedbed or flush to germinate the rice. DO NOT WATER PLANTING. The planting flood is usually drained 1 to 3 days after seeding.

FLUSH WATER PLANTING: Planting flood may be deep or shallow but is flooded at sun at the time it is pepped. Maintain a shallow flood or water until the rice is well rooted. Avoid deep flooding from time of pepping until treatment. This encourages tall, sandy rice which may lodge in the mud after draining.

IN ALL METHODS OF PLANTING, FLUSH THE FIELDS AS OFTEN AS NEEDED TO PREVENT DRYING AND SOIL CRUSTING, AND TO AVOID THE EMERGENCE OF RICE AND GRASS DURING PERIODS OF HIGH TEMPERATURE (DRYING WINDS AND LOW RAINFALL). IT IS ESPECIALLY IMPORTANT TO FLUSH OFTEN ENOUGH TO KEEP THE GRASS GROWING ACTIVELY AND THUS MORE SUSCEPTIBLE TO THE OPTIMUM DOSAGE OF PROPANILO-4. ALL OR MOST OF THE WATER SHOULD BE OFF THE FIELD AT THE TIME OF SPRAYING TO ALLOW FULL COVERAGE OF THE GRASSES AND WEEDS.

Treat grassy and weedy fields with PROPANILO-4 when a satisfactory stand of rice that tolerates flooding is established. Follow the recommendations according to the stage and condition of the growth of the grass as shown above under Timing and Usage.

WATER MANAGEMENT AFTER TREATMENT: TREATED FIELDS SHOULD ALWAYS BE FLOODED BEFORE A SECOND APPLICATION OF GRASS HAS A CHANCE TO DEVELOP BEYOND THE ONE LEAF STAGE. Start flooding in 12 to 24 hours in warm, sunny weather if treatment has been made on actively growing grass in moist soil. During cool, cloudy weather, or if treatment is made on slow growing grass in dry soil, delay flooding until 2 to 5 days after weeds to allow maximum time for rice. Cover the grass completely and maintain the flood at least 2 inches deep on the highest parts of the field even though the rice is submerged temporarily. As the rice grows above the water, deepen the flood accordingly. In general, rice can be grown with shallow flooding after PROPANILO-4 treatment, that is, in water standing 1/2 inch to 1 inch deep for grass control.

FERTILIZER: Fields to be treated with PROPANILO-4 may be fertilized before or after planting time. Place nitrogenous fertilizer 2 to 4 inches deep to minimize loss during periods when the fields are drained. Fertilizer may also be applied just before flooding. Apply nitrogen at any appropriate time. Fertilizer use with PROPANILO-4 fertilizer in combination application.

APPLICATION EQUIPMENT: Apply PROPANILO-4 with aircraft or ground spray equipment. Adjust equipment to give medium fine droplets in a uniform pattern that provides complete coverage. Flush sprayers with clean water after each day's use. Clean all equipment used for PROPANILO-4 with a detergent hose. Followed by a clear water hose. Before and after spraying other materials or herbicides such as cotton, soybeans, vegetables, fruits, etc. Apply a 5% and 10% washout amount, respectively, with spray mist from PROPANILO-4 or any pesticides and should wear protective clothing and goggles. Wash thoroughly after exposure.

AIRCRAFT: Fixed wing or helicopter agricultural aircraft equipped with well designed spray distribution systems that produce a uniform medium fine droplet spray may be used for PROPANILO-4. Gravity flow sprayers or venturi-type spreader-seeders should not be used. Apply PROPANILO-4 at no less than 10 gallons total spray per acre with stands of boom nozzle or in-line boom sprayer. Slightly higher gallonage is suggested for extra thick or tall grass. Five gallons per acre appear satisfactory with Microdon Heavy Atomizer sprayers. Spray width is governed by the design of the aircraft's spray distribution system and its operation, and should be predetermined for each unit. Generally, the optimum swath width should not exceed the wing span of the aircraft and is frequently less. Swaths should be measured accurately for flagging. Excessively wide or narrow swaths result in streaking and uneven distribution.

GROUND SPRAYERS: Standard low pressure herbicide sprayers equipped with fan or boom type nozzles are satisfactory. Use nozzles which deliver a medium fine droplet in 15 to 40 gallons total spray per acre at 40 to 50 psi and at ground speeds not in excess of 3 to 4 mph. Because of the rougher leaves in most rice fields, special care is needed to avoid skips and double spraying, and to avoid raising the boom too high so the spray fails to reach the weeds uniformly.

OPERATION CONDITIONS: Do not apply with aircraft when winds exceed 4 to 5 mph or with ground equipment with winds over 8 to 8 mph. A cross wind during spraying is desirable to equilibrate distribution. Fields may be treated when grass is either dry or wet with dew. Do not spray if an threat is in 8 hours.

DRIFT HAZARD TO OTHER CROPS: PROPANILO-4 injures most crops except cereal grains and perennial grasses. Avoid drift or accidental application from burning or other agricultural systems. Avoid application to sensitive legumes, vegetables, ornamentals, gardens, shrubs, and ornamentals. Do not spray within 1/2 mile of sensitive crops downwind with either air or ground equipment when winds reach maximum recommended velocity for application. Do not spray within 50 feet with aircraft or within 10 feet with ground equipment of sensitive crops on the upwind side. Once PROPANILO-4 is applied, it will not release fumes hazardous to nearby crops.

RICE INJURY: In flooding conditions, varieties of rice are exceptionally tolerant of PROPANILO-4. A yellowing or leaf burn of rice may be noted after treatment, but rice growth is normal. Under some conditions, severe leaf burn or partial killing of rice may occur. Growers are warned to use caution when applying PROPANILO-4 during extremely hot weather to rice that may be in a weakened or sensitive condition from over-watering, soil salts, or other causes.

EFFECT ON OTHER SPECIES: Perennial species such as cattail, bulrush, nutgrass, Johnsrass, and grass, and others which develop from well established rice may be controlled. Some may be temporarily controlled by PROPANILO-4 but usually recover. Several aquatic species may be controlled by PROPANILO-4 but usually recover in the field after the normal time of treatment for control of rice. These include Curatella, Arthropod, and other species of aquatic and terrestrial animals controlled with PROPANILO-4.

LIMITATIONS AND TOLERANCES

Crop	Limitations	Tolerance
Rice	14 days or before harvest	None
Recommended use does not result in residues at harvest		

CONTAINER DISPOSAL

Do not reuse empty container. Wash thoroughly with water and detergent. Crush if possible and discard in a safe place.

PHI 114

Retzloff Delta Company warrants that the product conforms to the chemical description and is reasonably fit for the purposes stated on the label when used in accordance with directions under normal conditions of use, but neither this warranty nor any other warranty of merchantability or fitness for a particular purpose, expressed or implied, extends to the use of this product contrary to label directions, or under abnormal conditions, or under conditions not reasonably foreseeable to Retzloff Delta Company, and further assumes the risk of any such use.

NET CONTENTS

EPA NO. 46193-8

EPA EST. NO. 46193-GT-04

CONTAINS FOUR POUNDS OF PROPANIL PER GALLON.
USEFUL FOR THE CONTROL OF CERTAIN WEEDS IN RICE.

BEST AVAILABLE COPY

CAUTION
HAZARDS TO HUMANS AND DOMESTIC ANIMALS
 Avoid breathing spray mist. Harmful if swallowed or absorbed through the skin. Do not get in eyes, on face, or on clothing.
 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 unregistered persons.

ENVIRONMENTAL HAZARDS
 This product is toxic to fish. Keep out of lakes, streams, creeks, etc. Do not apply when weather conditions are such that drift from areas treated may contaminate water bodies. Observe local, state, or federal regulations for disposal of waste.

PHYSICAL OR CHEMICAL HAZARDS
 Do not use in poor spill or store near heat or open flame.

DIRECTIONS FOR USE
 Federal law to use this product in a manner consistent with its labeling.

RE-ENTRY STATEMENT
 Do not enter treated areas without protective clothing consisting of a long-sleeved shirt and long-sleeved trousers or a suit of heavy woven fabric covering the body, including the arms and legs, shoes and socks. Because of the nature of the material, more restrictive re-entry intervals for various crops treated with this product may apply. Consult the Department of Agriculture for further information.

STORAGE AND DISPOSAL
DO NOT CONTAMINATE WATER, FOOD, OR FEED BY STORAGE OR DISPOSAL

STORAGE
 Store in a dry location away from children, animals, foods, feeds, waste, and other agricultural materials. Store at temperatures below 120°F. Handle in a container with information given under "Precautions" and "Directions for Use" statements. In the event of spillage or leakage, scrape material with a dusted tray and sweep into a container of absorbent material. Scrape up and dispose of in a container with information given under "Disposal". Repair, reuse and recycle, useable product in a sound container. In case of fire or other emergency, report the incident once by toll-free telephone to 800-424-9300.

DISPOSAL

PESTICIDE DISPOSAL: Wastes resulting from the use of this product may be disposed of only at an approved waste disposal facility.

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

GENERAL INFORMATION

PROSPANILO 4 is a selective post-emergence herbicide for control of barnyard grass and certain other weeds in rice. **PROSPANILO 4** contains 4 pounds active ingredient per gallon and is mixed with water for spraying. To avoid injury to rice, do not mix with herbicides or liquid fertilizer or apply them separately either before or after **PROSPANILO 4** treatment, unless such treatments are recommended by State Agricultural Experiment Station or Extension Service Weed Specialists following thorough testing.

TIMING AND DOSAGE: Use at 3 to 6 quarts (3 to 6 lbs. active) per acre according to the stage and condition of growth of grass. Grasses and weeds should be succulent and growing actively when treated. Optimum temperatures are from 65° to 90°F. Do not use when daytime temperatures below 50° or above 100°F are expected. The higher dosage is required for stunted, deep-rooted grasses growing in very dry surface soil, and for large tillering grass. Usually one application is sufficient. If retreatment is necessary, apply as soon as need is evident.

Use 3 quarts **PROSPANILO 4** (3 lbs. active) per acre for actively growing grass in 1 to early 4 leaf stage with shallow roots.

Use 4 to 4 1/2 quarts **PROSPANILO 4** (4 to 4 1/2 lbs. active) per acre for actively growing grass in 4 to 5 leaf and early tillering stage, or for stunted 1 to 4 leaf grass with deeper roots growing in dry soil.

Use 5 to 6 quarts **PROSPANILO 4** (5 to 6 lbs. active) per acre for tillering grass, 8 to 12 inches tall, only in emergency conditions. Only partial control may be expected.

TO AVOID RESIDUES AT HARVEST, DO NOT APPLY AFTER FULL TILLERING OF RICE OR WITHIN 56 DAYS BEFORE HARVEST. DO NOT EXCEED A TOTAL OF 8 LBS. ACTIVE PER ACRE PER SEASON.

METHOD OF SEEDING: **PROSPANILO 4** may be used on dry planted (drilled or broadcast) or on muddy or clear water planted rice. For best results, fields should be uniformly level and have well prepared seedbeds free of large clots to encourage uniform and rapid emergence of rice, grass and weeds. Adequate inlets, drains and crossveins should be provided to permit quick draining, flushing or flooding before and after treatment to meet the optimum water requirements for the rice crop and for optimum use of **PROSPANILO 4** in grass control.

WATER MANAGEMENT BEFORE TREATMENT

DRY PLANTING: Plant in a moist seedbed or flush to germinate the rice.

MUDDY WATER PLANTING: The planting flood is usually drained 1 to 3 days after seeding.

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PROSPANILO - 4

Useful for the Control of Certain Weeds in Rice

ACTIVE INGREDIENT	
3,4'- Dichloropropionanilide*	45.4%
INERT INGREDIENTS	54.6%
Total 100.0%	
*Contains 4 pounds propanil per gallon.	

STOP-READ LABEL BEFORE USING!

KEEP OUT OF REACH OF CHILDREN
CAUTION
STATEMENT OF PRACTICAL TREATMENT

IF SWALLOWED: Induce vomiting by immediately giving two glasses of water to drink and touch back of throat with finger. Call a physician. Never give anything by mouth to an unconscious person.

IF ON SKIN: Wash affected area with soap and water.

IF IN EYES: Flush eyes with large amounts of water for at least 15 minutes. Consult a physician if irritation persists.

EPA REG. NO. 46193-8 EPA EST. NO. 46193-GT-04

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net contents gallons