

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

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

A stamped copy is enclosed for your records.

Joanne I. Miller
Product Manager (23)
Fungicide-Herbicide Branch
Registration Division (H7505C)

Enclosures

| CONCURRENCES | | | | | | | |
|--------------|----------|--|--|--|--|--|--|
| SYMBOL | H7505C | | | | | | |
| SURNAME | D. KENNY | | | | | | |
| DATE | 8/3/92 | | | | | | |

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

Causes eye irritation. Harmful if swallowed. Avoid contact with eyes, skin and clothing. Avoid breathing spray mist.

STATEMENT OF PRACTICAL TREATMENT

In case of eye contact, wash eyes immediately with plenty of water. See a doctor if irritation persists. If swallowed, give a large amount of water to drink, make person vomit, and call a doctor.

Note to Physicians: Emergency Information — call 1-800-457-2022.

ENVIRONMENTAL HAZARDS

This product is toxic to shrimp. Do not apply directly to lakes, streams, ponds, tidal marshes and estuaries. Do not contaminate water by cleaning of equipment or disposal of wastes.

The use of BOLERO 8 EC on rice is restricted to protect the endangered fat pocketbook pearly mussel (*Potamilus capax*) and its habitat. Use is prohibited in the following areas of Arkansas.

Mississippi County — Within the basin that drains directly into the Right Hand Chute of Little River, south of Big Lake National Wildlife Refuge.

Poinsett County — Between Crowley's Ridge and the levee east of the Right Hand Chute of Little River and the St. Francis Floodway. Use is also prohibited west of Rt. 140 and north of Rt. 63 at the siphon near Marked Tree. Except that the prohibited area does not include the area bounded by Arkansas highway 373 on the west, highway 63 on the east and highway 14 on the south.

Cross, St. Francis and Lee Counties — Between Crowley's Ridge and the levee east of the Right Hand Chute of Little River and the St. Francis Floodway as far south as the confluence of L'Angeuille River (Lee County).

PHYSICAL OR CHEMICAL HAZARDS

Do not store near heat or open flame.

DIRECTIONS FOR USE

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

READ ENTIRE LABEL. USE STRICTLY IN ACCORDANCE WITH PRECAUTIONARY STATEMENTS AND DIRECTIONS, AND WITH APPLICABLE STATE AND FEDERAL REGULATIONS.

STORAGE AND DISPOSAL

PROHIBITIONS

Do not contaminate water, food or feed by storage, disposal or cleaning of equipment. Open dumping is prohibited.

STORAGE

Keep pesticide in original container.

Do not put concentrate or dilute into food or drink containers. Store in cool, dry place.

Protect from excessive heat.

For help with any spill, leak, fire or exposure involving this material, call day or night 1-800-457-2022 or Chemtrec 1-800-424-9300.

PESTICIDE DISPOSAL

Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

CONTAINER DISPOSAL

Triple rinse (or equivalent). Do not reuse container. Offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or dispose of by other procedures allowed by State and local authorities.



BOLERO® 8 EC

(HERBICIDE)

| Active Ingredient | By Wt. |
|---|--------|
| *Thiobencarb | 84% |
| Inert Ingredients | |
| *S-[(4-chlorophenyl)methyl] diethylcarbamothioate | 16% |

Contains 8 pounds S-[(4-chlorophenyl)methyl] diethylcarbamothioate per gallon.

BOLERO® — Reg. TM of Kumiai Chemical Industry Co., Ltd. for thiobencarb herbicide.

KEEP OUT OF REACH OF CHILDREN
CAUTION
SEE SIDE PANEL FOR ADDITIONAL PRECAUTIONARY STATEMENTS.

Manufactured for
Valent U.S.A. Corporation © 1992
 Walnut Creek CA 94596-8025
 Form 408-A EPA Est. 5905-GA-01
 Made in U.S.A.
 EPA Reg. No. 59639-

NET CONTENTS **30 GALLONS**

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DIRECTIONS

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

RICE WEED CONTROL IN TEXAS, LOUISIANA, MISSISSIPPI, MISSOURI AND ARKANSAS.

GENERAL INFORMATION

BOLERO 8 EC applied late preemergence will control many weeds in rice. The Propanil component of BOLERO 8 EC plus Propanil tank mixture increases postemergence activity for control of weeds listed. BOLERO 8 EC will provide residual control of some weeds up to 5 weeks following application. The BOLERO 8 EC plus Propanil tank mixture will not prevent reinfestation of Hemp Sesbania, Northern or Indian Jointvetch, Broadleaf Signalgrass or Pitted Morningglory. For water-seeded rice, apply to non-flooded fields only, application should not be made before rice is in the 2 leaf stage of development and soils should be sealed and wet at the time of application. Do not apply to stressed rice. Temporary injury to seedling rice may occur under certain conditions.

DRY-SEEDED RICE

Late Preemergence Application (Prior to rice and weed emergence) — For control of Barnyardgrass, Junglerice (*Echinochloa* spp.), Sprangletop (*Leptochloa* spp.), Crabgrass (*Digitaria* spp.), Fall Panicum (*Panicum dichotomiflorum*), Dayflower (*Commelina communis*), Eclipta (*Eclipta alba*) and False Pimpernel (*Lindernia* spp.): Apply BOLERO 8 EC 1 to 5 days prior to rice emergence; generally this would be 5 to 9 days after planting of the rice. Apply 4 pts. of BOLERO 8 EC per acre after soils have been sealed by rainfall or by flushing. Apply to well prepared seedbeds free of large clods. Soils should be wet at time of application. Do not apply BOLERO 8 EC as a preemergence treatment to cracked soil.

Early Postemergence Application — For control of emerged Watergrass: Apply 4 pts. of BOLERO 8 EC per acre when Watergrass has developed no further than the 2 leaf stage. Rice may be fully emerged at time of application. Soil should be wet at time of application.

Early Postemergence Application in Combination with Propanil — For control of Barnyardgrass, Junglerice, Sprangletop, Broadleaf Signalgrass (*Brachiaria platyphylla*), Crabgrass, Fall Panicum, Duckweed (*Heteranthera* spp.), Redstem (*Ammannia* spp.), Waterhyssop (*Bacopa rotundifolia*), False Pimpernel, Flatsedge (*Cyperus erythrorhizos*, *C. iria*), Spikerush (*Eleocharis obtusa*, *E. parvula*), Horrahgrass (*Fimbristylis* spp.), Hemp Sesbania (*Sesbania exaltata*), Northern and Indian Jointvetch (*Aeschynomene* spp.), Dayflower, Eclipta and Pitted Morningglory (*Impomea lacunosa*):

1. **Application to Wet Soil** — Apply 3 pts. per acre of BOLERO 8 EC plus 2 to 3 qts. of Propanil 4 E per acre for emerged grasses at the 2 leaf stage of development or less (Sprangletop less than $\frac{1}{2}$ "), aquatics less than $\frac{1}{2}$ " tall and broadleaf weeds less than 2" tall. Rice may be emerged at the time of application. Soil should be wet at the time of application.

or

2. **Application to Dry Clay or Silt Loam Soils and Rice in the 2 to 3 Leaf Stage** — Apply 3 pts. per acre of BOLERO 8 EC plus 2 to 3 qts. of Propanil 4 E per acre for emerged grasses at the 2 leaf stage of development or less (Sprangletop less than $\frac{1}{2}$ "), aquatics less than $\frac{1}{2}$ " tall and broadleaf weeds less than 2" tall. At the time of application, the soil must have previously been sealed by rain or flushing and should not be cracked. Rice should be in the 2 to 3 leaf stage of development. The soil must be wet by rain or flushing, within 3 days after application or a reduction in initial control and residual activity can be expected. Do not apply to stressed rice as it may be seriously injured or killed. If a flush is used to wet the soil or heavy rains move quickly through the flood gates, lack of weed control around the gates may be evident.

or

3. **Split Application** — Apply BOLERO 8 EC alone as a Late Preemergence Application followed by a tank mixture with

Propanil as an early postemergence application to dry seeded rice on a smooth, wet soil surface in a split application schedule as:

Split Application Technique — Apply 2 pts. per acre of BOLERO 8 EC as a late preemergence application 1 to 5 days before rice emerges (usually 5 to 9 days after seeding) and prior to weed emergence. Soil surfaces should be well prepared and free of large clods. This application should be followed in 10 to 14 days by an early postemergence application of 2 pts. per acre of BOLERO 8 EC plus 2 to 3 qts. per acre of Propanil 4 E. Emerged grasses should be in the 1 to 2 leaf stage or less (Sprangletop less than $\frac{1}{2}$ "), aquatics less than $\frac{1}{2}$ " tall and broadleaf weeds less than 2" tall. Rice may be emerged at the time of the early postemergence application. Soil should be wet at the time of application.

WATER-SEEDED RICE

Early Postemergence — For control of Barnyardgrass, Junglerice, Sprangletop, Broadleaf Signalgrass, Crabgrass, Fall Panicum, Duckweed, Redstem, Waterhyssop, False Pimpernel, Flatsedge, Spikerush, Horrahgrass, Hemp Sesbania, Northern and Indian Jointgrass, Dayflower, Eclipta and Pitted Morningglory: Apply to non-flooded fields only. Apply 3 pts. of BOLERO 8 EC per acre plus 2 to 3 qts. of Propanil 4 E for emerged grasses at the 2 leaf stage of development or less (Sprangletop less than $\frac{1}{2}$ ") broadleaf weeds less than 2" tall and aquatics less than $\frac{1}{2}$ " tall. Application should not be made before rice is in the 2 leaf stage of development and soil should be sealed and wet at the time of application.

Do not apply BOLERO 8 EC to stressed rice. Do not apply BOLERO 8 EC to fields with exposed seed as exposed seed will be killed. Do not apply BOLERO 8 EC to second crop (stubble crop) rice.

Water Management—After application, flush the fields as often as necessary to prevent crusting and drying of the soil. Fields should be flooded as soon as the rice plants will tolerate permanent flooding.

Application Equipment

Aircraft: Apply BOLERO 8 EC in no less than 10 gals. spray mix per acre.

Ground Sprayers: Apply in 10 to 20 gals. of total spray mix per acre.

Precautions: Do not apply more than 4 lbs. active ingredient per acre per year. Do not plant subsequent crops in treated fields within 6 months of last application. Do not overlap or double spray ends of field. Avoid drift to non-target areas. Do not use in fields where fall farming or crayfish will be practiced. Do not use adjacent to catfish ponds. In Texas and other areas where double cropping is the agricultural practice, do not apply to a second stubble rice crop. Water drained directly from treated fields must not be used to irrigate other crops.

Do not apply BOLERO 8 EC plus Propanil mixture within 14 days before or after organophosphate or carbamate insecticide application. Do not apply tank mix with Propanil when rain is expected within 6 hours. Rice seedlings with succulent growth may exhibit temporary foliar burn which may be greater than conventional Propanil application but usually recover after 10 to 14 days. Do not mix liquid nitrogen, zinc or surfactants with BOLERO 8 EC alone or when mixed with Propanil.

This product can be mixed with Propanil for use on rice in accordance with the more restrictive of label limitations and precautions. No label dosage rates should be exceeded. This product cannot be mixed with any product containing a label prohibition against such mixing.

Application to stressed rice can result in stand reduction, chlorosis, growth inhibition, delayed maturity and/or leaf desiccation. Stress factors include but are not limited to the following: Daily temperatures below 65° F. or above 95° F., problem soils, (i.e.,

COPY A

Do not apply direct
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Do not contaminate