

Product Bulletin



Valent U.S.A. Corporation
P.O. Box 8025
Walnut Creek, CA 94596

FOR DISTRIBUTION AND USE ONLY IN THE STATE OF MISSOURI
BOLERO® 8 EC
TO CONTROL ANNUAL GRASSES & AQUATIC WEEDS IN RICE
EPA Reg. No. 59639-79
EPA SLN No. MO-930007
Rev. 1

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 through any type of irrigation system.

GENERAL INFORMATION

BOLERO 8 EC applied late preemergence or BOLERO 8 EC alone or as a tank mixture with Propanil applied early postemergence will control most annual grasses and aquatic weeds in rice. BOLERO 8 EC will provide residual control of some weeds up to 5 weeks following application. Temporary injury to seedling rice may occur under certain conditions. Do not apply to stressed rice.

APPLICATION DIRECTIONS - FOR 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.), 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. Soil should be wet at time of application. Do not apply BOLERO 8 EC as a preemergence treatment to cracked soil.

Early Postemergence Application in combination with Propanil - For control of barnyardgrass, junglerice (*Echinochloa* spp.), sprangletop (*Leptochloa* spp.), broadleaf signalgrass (*Brachiaria platyphylla*), crabgrass (*Digitaria* spp.), fall panicum (*Panicum dichotomiflorum*), duckweed (*Heteranthera* spp.), redstem (*Ammannia* spp.), waterhyssop (*Bacopa rotundifolia*), false pimpernel (*Lindernia* spp.), flatsedge (*Cyperus erythrorhizus*, *C. iria*), spikerush (*Eleocharis obtusa*, *E. parvula*), hoorahgrass (*Fimbristylis* spp.), hemp sesbania (*Sesbania exaltata*), northern and indian Jointvetch (*Aeschynomene* spp.), dayflower (*Commelina communis*), eclipta (*Eclipta alba*), and pitted morningglory (*Ipomoea locunosa*).

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 1/2"), aquatics less than 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.

SPLIT APPLICATION

For control of barnyardgrass, junglerice (*Echinochloa* spp.), sprangletop (*Leptochloa* spp.), broadleaf signalgrass (*Brachiaria platyphylla*), crabgrass (*Digitaria* spp.), fall panicum (*Panicum dichotomiflorum*), ducksalad (*Heteranthera* spp.), redstem (*Ammannia* spp.), waterhyssop (*Bacopa rotundifolia*), false pimpernel (*Lindernia* spp.), flatsedge (*Cyperus erythrorhizes*, *C. iria*), spikerush (*Eleocharis obtusa*, *E. parvula*), hoorahgrass (*Fimbristylis* spp.), hemp sesbania (*Sesbania exaltata*), northern and indian jointvetch (*Aeschynomene* spp.), dayflower (*Commelina communis*), eclipta (*Eclipta alba*), and pitted morningglory (*Ipomoea locunosa*).

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 seedling) and prior to weed emergence. Soil surfaces should be sealed by rain or flushing and be wet at application. 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 1/2"), aquatics less than 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 time of application.

APPLICATION DIRECTIONS FOR WATER SEEDED RICE

For control of barnyardgrass, junglerice (*Echinochloa* spp.), sprangletop (*Leptochloa* spp.), broadleaf signalgrass (*Brachiaria platyphylla*), crabgrass (*Digitaria* spp.), fall panicum (*Panicum dichotomiflorum*), ducksalad (*Heteranthera* spp.), redstem (*Ammannia* spp.), waterhyssop (*Bacopa rotundifolia*), false pimpernel (*Lindernia* spp.), flatsedge (*Cyperus erythrorhizes*, *C. iria*), spikerush (*Eleocharis obtusa*, *E. parvula*), hoorahgrass (*Fimbristylis* spp.), hemp sesbania (*Sesbania exaltata*), northern and indian jointvetch (*Aeschynomene* spp.), dayflower (*Commelina communis*), eclipta (*Eclipta alba*), and pitted morningglory (*Ipomoea locunosa*).

Water Seeded Rice - (non flooded) Apply to non flooded fields only. Application should not be made before rice is in the 2 leaf stage of development. Soils should be sealed and wet at the time of application.

Early Postemergence - Apply 3 pts. BOLERO 8 EC per acre plus 2 to 3 qts. Propanil 4 E for emerged grasses at the 2 leaf stage of development or less (Sprangletop less than 1/2 ") broadleaf weeds less than 2 " tall and aquatics less than 1/2" tall. Application should not be made before rice is in the 2leaf stage of development.

NOTE TO ALL BOLERO 8 EC PLUS PROPANIL 4E TANK MIX LABEL DIRECTIONS - The Propanil component of the BOLERO 8 EC plus Propanil tank mixture increases postemergence activity for control of weeds listed. The BOLERO 8 EC plus Propanil tank mixture will not prevent reinfestation of Hemp Sesbania, Northern or Indian Jointvetch, Broadleaf Signalgrass or Pitted Morningglory.

WATER MANAGEMENT

Soil should be kept moist after application and not be allowed to crust or crack. Fields should be flooded as soon as the rice plants will tolerate permanent flooding.

METHOD OF APPLICATION

Uniformly apply BOLERO 8 EC or BOLERO 8 EC plus Propanil by aircraft in no less than 10 gals. per acre of total spray mixture or by ground equipment in 10 to 20 gals. per acre of total spray mixture. Do not overlap or double spray ends of field. Do not apply this product to rice fields with catfish/crawfish farming. Do not apply this product on rice fields adjacent to catfish or crayfish ponds. Do not apply stressed rice. Do not apply to exposed seed. Do not apply more than 2 ½ pts. Of BOLERO 8 EC per acre when using aerial application equipment east of the Rocky Mountains.

PRECAUTIONS

Do not apply to stressed rice or second crop (stubble crop) rice. Do not plant subsequent crops in treated fields within 6 months of last application. Do not use in fields where fall farming of crayfish will be practiced. Avoid drift to non target areas. Water drained directly from treated fields must not be used to irrigate other crops. Do not apply more than 4 lbs. active ingredient per acre per year. Do not apply BOLERO 8 EC plus Propanil mixture within 14 days before or after organophosphate or carbamate insecticide application. Do not apply when temperatures exceed 95 degrees F. Avoid application of this product within 24 hours of rainfall, or when heavy rain is expected to occur within 24 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 add liquid nitrogen, zinc or surfactants with BOLERO 8 EC alone or when mixed with Propanil.

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 temperature below 65 degrees F, or above 95 degrees F; problem soils, (i.e., Zn deficiency, high salt content, high pH); excessive moisture, (i.e., above field capacity while rice seed is germinating); drought conditions; poor field drainage or deep water after application.

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Follow all applicable directions, restrictions, and precautions on the EPA-registered label.

This labeling must be in the possession of the user at the time of pesticide application.

FIFRA Section 24(c) Registrant: VALENT U.S.A. Corporation
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BOLERO - Reg. TM of Kumiai Chemical Industry Co. Ltd. for thiobencarb herbicide.