

## **RICE FIELD**

### General Information

#### WHERE TO USE

RiceCo's DUET CA is used for postemergence control of broadleaf, grass, and sedge weeds in RICE fields.

NOTE: Resistant biotypes are known to exist in California, including California arrowhead, purple ammannia, redstem, ricefield bulrush and smallflower umbrella plant. DUET CA may not control these biotypes. Accurate records should be kept of the pesticides applied to individual fields to obtain information regarding the spread and dispersal of the resistant biotypes. Consult your Ag dealer, consultant, applicator, and/or your State Agricultural Extension Service for specific alternative herbicide recommendations available in your area.

\*Not registered for use in California.

#### GENERAL PRECAUTIONS AND RESTRICTIONS

Several important factors should be taken into account to achieve a high efficiency of selective weed control with DUET CA. These include uniform application, growth stage, water management and weather conditions. To assure uniform application, mix the prescribed amount of DUET CA 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.

A static flood should be placed on treated fields approximately 48 hours following application for optimum weed control results. See 'Application Timing' for additional information concerning flooding.

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 DUET CA. 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 DUET CA within 14 days before or after carbamate or organophosphate insecticide applications. Serious injury to rice may occur.

Applications to fields where commercial catfish or crayfish (crawfish) farming is practiced and draining water from treated fields into areas where catfish or crayfish (crawfish) farming is practiced is prohibited.

DO NOT plant or transplant crops in the treated area for at least 120 days follow an application of this product.

DO NOT apply more than 6 lbs active ingredient per acre per application. Do not apply more than 8 lbs. active ingredient per acre per season

DO NOT apply this product (directly or indirectly) to any crop except rice but DO NOT use on wild rice (*Zizania* spp.).

DO NOT use on lawns, walks, driveways, tennis courts or similar areas.

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.

DO NOT graze treated fields or feed treated forage within 80 days of the last application.

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

**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.

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 above 75°F.

Application Timing: DUET CA 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 DUET CA 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 DUET CA, have produced better results in weed control.

#### Limitations, Restrictions, and Exceptions

##### RICE FIELD

Apply 3 quarts of DUET CA per acre when most grasses have reached the 1 to 3-leaf stage. Use 4 to 5 quarts of DUET CA per acre when the grasses are large (4 to 5 leaf stage) or when unseasonably cool weather conditions prevail. Under dry conditions when grass and broadleaf weeds are stressed, in cases where rice fields have not been drained completely or where weeds are large enough, higher rates of product, 4 to 6 quarts per acre, should be used to achieve control. Barnyardgrass may be controlled up to 30 to 45 days after planting, before rice plants have reached the fully tillered growth stage.

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

##### WATER MANAGEMENT

For best weed control, establish the permanent flood as soon as possible (within 7 days of application) after the last application of DUET CA herbicide. Loss of permanent flood following applications of DUET CA may result in poor performance due to regrowth of treated plants or reinfestation by newly germinated weeds.

Runoff caused by overflow, levee breach, seepage, or introduction of new water soon after treatment may reduce product performance.

IN CALIFORNIA: Use DUET CA only where rice fields are completely drained or a minimal amount of water remains. If a higher water level is desired, reflood field after 12 hours and before 7 days after treatment. This will discourage new weed infestations.

Method

[Broadcast/Foliar Air](#)

[Broadcast/Foliar Ground](#)

Pre-Harvest Interval

80 days

Rates

[field\\_rates 0](#)

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Restricted Entry Interval

24 hours

Timings

[Postemergence \(Weed\)](#)