

**READ SAFETY INSTRUCTIONS BEFORE OPENING OR USING**

# **Rainbow Bensulfuron 600 WG Herbicide**



**ACTIVE CONSTITUENT: 600 g/kg BENSULFURON present as the  
METHYL ESTER**

<b>GROUP</b>	<b>B</b>	<b>HERBICIDE</b>
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**For the control of Arrowhead, Dirty Dora and Star Fruit in  
aerially sown rice as per the Directions for Use**

**IMPORTANT: READ ATTACHED LEAFLET BEFORE USE**

**CONTENTS: 500g  
(750g, 1kg, 2kg, 5kg, 10kg, 15kg)**

Shandong Rainbow International Co., Ltd.  
Unit 2 25-27 Burns Road  
Altona Vic 3018  
Ph: 03 9369 4299

**STORAGE AND DISPOSAL**

Keep out of reach of children.

Store in the closed original container in a cool, well-ventilated area. Do not store for prolonged periods in direct sunlight. Triple or preferably pressure rinse containers before disposal. Add rinsings to spray tank. Do not dispose of undiluted chemicals on site. If recycling, replace cap and return clean containers to recycler or designated collection point.

If not recycling, break, crush or puncture and bury empty containers in a local authority landfill. If no landfill is available, bury the containers below 500mm in a disposal pit specifically marked and set up for this purpose clear of waterways, desirable vegetation and tree roots. Empty containers and product should not be burnt.

**SAFETY DIRECTIONS**

Product will irritate the eyes. Do not inhale dust. When preparing the spray and using the prepared spray wear goggles. If product in eyes wash out immediately with water. Wash hands after use. After each day's use, wash goggles.

**FIRST AID**

If poisoning occurs, contact a doctor or Poisons Information Centre. Telephone Australia 13 11 26.

**MATERIAL SAFETY DATA SHEET**

For further information refer to the Material Safety Data Sheet (MSDS), which is available from the supplier.

**MANUFACTURERS WARRANTY AND EXCLUSION OF LIABILITY**

Shandong Rainbow International Co Ltd has no control over storage, handling and manner of use of this product. Where this material is not stored, handled or used correctly and in accordance with directions, no express or implied representations or warranties concerning this product (other than non-excludable statutory warranties) will apply. Shandong Rainbow International Co Ltd accepts no responsibility for any loss arising from incorrect storage, handling or use.

APVMA Approval No: 66511 / 53798

In a Transport Emergency Dial 000 Police or Fire Brigade

Batch No:

Date of Manufacture:

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aerially sown rice as per the Directions for Use**

**READ THIS BOOKLET THOROUGHLY BEFORE OPENING OR USING  
THIS PRODUCT**

APVMA Approval No: 66511 / 53798

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Ph: 03 9369 4299

**DIRECTIONS FOR USE**

DO NOT store a suspension of this product for more than 2 days otherwise significant breakdown may occur.

DO NOT apply to crops under stress (Refer to Crop Safety Section for details).

DO NOT store tank mixes of this product.

Crop	Weeds Controlled	State	Rate g/ha	Critical Comments
Rice (2 leaf to mid-tillering)	Arrowhead ( <i>Sagittaria montevidensis</i> )  Star Fruit ( <i>Damasonium minus</i> )  Dirty Dora ( <i>Cyperus difformis</i> )	NSW only	50 to 85	For best results apply early post crop emergence when weeds are small, up to 3 leaf stage.  Apply by air to flooded paddy when rice has reached 2 leaf or later stage. Use the higher rate where paddy water is muddy/turbid or weeds are larger.  In the top bays for more reliable weed control use the maximum label rate.

**NOT TO BE USED FOR ANY PURPOSE, OR IN ANY MANNER, CONTRARY TO THIS LABEL UNLESS AUTHORISED UNDER APPROPRIATE LEGISLATION**

**WITHHOLDING PERIOD: NOT REQUIRED WHEN USED AS DIRECTED**

**GENERAL INSTRUCTIONS**

Under muddy/turbid water situations or where treatment is delayed beyond the recommended weed stage, or where weeds are not actively growing, or where Star Fruit are present in very high populations (i.e. Western Murray Valley) results may be slow to appear and weeds may only be stunted or suppressed.

Proper water management is essential for maximum weed control with this product. Ensure adequate water depth in the bays is achieved at least one full day before application. Water movement to and within bays should cease one full day prior to application.

No additional water is to be added or drained from treated bays for a minimum of 5 days after application. If cold conditions are experienced after application, HOLD the water as long as possible and introduce fresh water slowly. Water levels can then be restored to depths consistent with normal rice growing requirements.

DO NOT allow tailwater drainage from the paddy for 5 days following treatment with this product.

Crops other than rice may be extremely sensitive to low concentrations of residues of this product in the sprayer. See 'Sprayer Clean-Up' section.

This product can be applied early to late post-emergence (2 leaf to mid-tillering) of the crop with adequate crop safety. However, applications made prior to the 3 leaf stage give best weed control and optimise crop yield potential.

**CROP SAFETY**

DO NOT apply to crops that are stressed by any cause such as severe weather conditions, excessive soil alkalinity or soil acidity, poor nutrient status, disease or insect damage etc. as crop injury may result. When treatment is followed by severe stress, crop yellowing or growth retardation may occur. Crops normally recover without yield loss.

After treatment with this product transient root growth inhibition and associated lodging of the seedling may occur, however the rice plant should quickly recover and will suffer no permanent check to its development.

**SPRAY PREPARATION**

This product is a water dispersible granule formulation, which can be applied by conventional wet application equipment or by direct dry application (DDA) equipment.



**Conventional Spray Application**

Partially fill the spray tank with water. Measure the amount of product required for the area to be sprayed. Add the correct amount of product to the spray tank with the agitation system engaged, Add the remainder of the water.

Always maintain agitation to keep the product in suspension. The use of surfactant/wetting agent is not required.

**Direct Dry Application (DDA)**

Add the product direct to the direct dry application hopper.

**Application Instructions**

Avoid spraying in still conditions that are likely to cause drift. Turn off application equipment whilst passing over irrigation channels, creeks and dams.

**Conventional application equipment**

Apply by air in a minimum of 20L/ha water to flooded bays.

Application using equipment set to product coarse droplets will increase direct application onto the water surface and minimise contact with emerged crop or weed foliage.

**Direct Dry Application (DDA)**

This product may only be applied direct dry by air using equipment specifically designed for this purpose. Before applying this product direct dry by air, calibrate equipment as described by the equipment manufacturer.

DO NOT mix this product when applying direct dry by air with any liquid carrier (such as water or oil) and DO NOT mix with any surfactant or crop oil.

Simultaneous applications of this product via DDA and spray application of other compatible pesticides are permissible.

**Sprayer Clean-up**

To avoid subsequent injury to crops other than rice, immediately after spraying thoroughly remove all traces of this product from the mixing and spraying equipment as follows:

1. Drain tank and flush tank, boom, and hoses for at least 10 minutes.
2. Fill the tank with clean water and add 300mL of household bleach (containing 4% chlorine) per 100L water. Flush through the hoses and boom, allow to stand for 15 minutes with agitation system engaged, then drain.
3. Repeat Step 2.
4. Nozzles and screens should be removed and cleaned separately.
5. Remove traces of chlorine bleach by rinsing the tank thoroughly with clean water and flushing hoses and boom.

**Direct Dry Application (DDA) Equipment**

Follow the equipment clean-up instructions as provided by equipment manufacturer.

**COMPATIBILITY**

This product is compatible with the following herbicides: molinate and thiobencarb; and the following insecticides: chlorpyrifos, diazinon and trichlorphon.

**RESISTANT WEEEDS WARNING**

GROUP	B	HERBICIDE
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Rainbow Bensulfuron 600 WG Herbicide is a member of the sulfonylurea group of herbicides.

Rainbow Bensulfuron 600 WG Herbicide has the ALS inhibitor mode of action. For weed resistance management Rainbow Bensulfuron 600 WG Herbicide is a Group B Herbicide.

Some naturally occurring weed biotypes resistant to Rainbow Bensulfuron 600 WG Herbicide and other Group B herbicides may exist through normal genetic variability in any weed population. The resistant individuals can eventually dominate the weed population if these herbicides are used repeatedly. These resistant weeds will not be controlled by Rainbow Bensulfuron 600 WG Herbicide or any other Group B herbicide.

Since the occurrence of resistant weeds is difficult to detect prior to use, Shandong Rainbow International Co Ltd accepts no liability for any losses that may result from the failure of Rainbow Bensulfuron 600 WG Herbicide to control resistant weeds.

**PROTECTION OF CROPS, NATIVE AND OTHER NON-TARGET PLANTS**

Injury to or loss of desirable trees or vegetation may result from failure to observe the following:

DO NOT apply irrigation tailwaters to crops other than rice.

DO NOT apply or drain or flush equipment on or near desirable trees or other plants or on areas where their roots may extend or in locations where the chemical may be washed or moved into contact with their roots.

DO NOT apply or allow spray drift onto adjacent crops and non-target desirable plant, or onto agricultural land scheduled to be planted to other crops as injury to the crop may occur.

DO NOT sow into paddies treated with this product to any other crop for four months following application of this product, as crop injury may occur.

Do not apply under weather conditions, or from spraying equipment, that may cause drift onto nearby susceptible plants/crops, cropping lands or pastures.

#### **PROTECTION OF WILDLIFE, FISH, CRUSTACEANS AND ENVIRONMENT**

Do not contaminate streams, rivers or waterways with the chemical or used containers.

#### **STORAGE AND DISPOSAL**

Keep out of reach of children.

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