

CAUTION
KEEP OUT OF REACH OF CHILDREN
READ SAFETY DIRECTIONS BEFORE OPENING OR USING



Renegade Herbicide

ACTIVE CONSTITUENT: 250 g/kg RIMSULFURON

GROUP	B	HERBICIDE
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**For the Suppression of Blackberry Nightshade and
Control of Certain Broadleaf Weeds in Tomatoes
as per the Directions for Use**

IMPORTANT: READ THIS LEAFLET BEFORE USING THIS PRODUCT

APVMA Approval No.: 80137/100290



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DIRECTIONS FOR USE

Restraints

- DO NOT apply to plants wet with rain or dew.
- DO NOT apply if rainfall is expected within 2 hours.
- DO NOT apply to weeds that are not actively growing or stressed by any cause such as adverse weather conditions, drought, waterlogging. Broadleaf weeds under stress frequently become less susceptible to herbicide activity. This may result in an incomplete kill or only growth suppression.
- DO NOT store a suspension of Renega Herbicide for more than 2 days, otherwise significant breakdown may occur.
- DO NOT store tank mixes of Renega Herbicide.
- DO NOT apply Renega Herbicide to greenhouse tomatoes.
- DO NOT apply Renega Herbicide by air.

Situation	Weeds Controlled	Rate	Critical Comments
Tomato (Processing)	Blackberry Nightshade (<i>Solanum nigrum</i>) Suppression only	60 g/ha followed 7 days later by 60 g/ha	Apply when the Blackberry Nightshade are at the cotyledon to 2 leaf stage. Split applications are necessary for maximum control. Good suppression rather than total kill will result.
	Caltrop (<i>Tribulus terrestris</i>), Charlock (<i>Sinapis arvensis</i>), Heliotrope (<i>Heliotropium europaeum</i>), Musky Crowfoot (<i>Erodium moschatum</i>), Paddy melon (<i>Cucumis myriocarpus</i>), Sub-Clover (<i>Trifolium subterraneum</i>)		Apply when weeds are at the cotyledon to 4-leaf stage.
Always add non-ionic surfactant (1000 g/L – non buffering type) at 250 mL/100 L (0.25 % v/v) of final spray volume. The addition of crop oil concentrate may result in crop injury.			

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

WITHHOLDING PERIODS

- TOMATOES: DO NOT APPLY LATER THAN 4 WEEKS BEFORE HARVEST
- DO NOT GRAZE OR CUT FOR STOCK FOOD FOR 6 WEEKS AFTER APPLICATION

GENERAL INSTRUCTIONS

Renega Herbicide is for selective post emergent control of certain broadleaf weeds in tomatoes. Best results are obtained when Renega Herbicide is applied to young actively growing weeds. The degree of control and duration of effect are dependent on rate used, sensitivity and size of target weeds and environmental conditions at the time of and following application. Renega Herbicide stops growth of susceptible weeds rapidly. However, typical symptoms of dying weeds (chlorosis or discolouration) may not be noticeable for 1 to 3 weeks after application depending on the environmental conditions and susceptibility. Warm, moist conditions following treatment promote the activity of Renega Herbicide, while cold, dry conditions delay activity. Weeds hardened-off by cold weather and/or drought stress will be less susceptible. A vigorously growing crop will aid weed control by shading and providing competition to weeds.

Crop Safety

Crop stress factors that occur during, prior to, or after the application may cause, temporary chlorosis (lime green colour) to occur. Symptoms usually disappear within 5 to 15 days. Drought, frost, cold temperatures, high temperatures, or extreme temperature variations can be stress factors. To minimise the potential for temporary chlorosis, it is recommended that Renega Herbicide be applied only if there have been at least 3 successive days of sunny weather prior to application. Tomato varieties may differ in their response to various herbicides. When using Renega Herbicide for the first time on a particular variety, limit the initial use to a small area. If no symptoms of crop injury occur 7 days after treatment, the balance of the area can be treated.

Sequential Applications

Annual weeds at times may have multiple flushes of seedlings or treated perennials may sometimes regrow from underground stems or roots, depending on rainfall and other environmental conditions. To maximise control of such weeds, it is necessary to use a sequential application of Renega Herbicide in which the first application goes on early followed by a second application 7 days later.

Cultivation

In areas where cultivation is used, the ideal timing for cultivation is 10 to 14 days after the Renega Herbicide application.

Spray Preparation

Renega Herbicide is a dry flowable formulation to be mixed with water and applied as a spray. Partially fill the spray tank with water. Using the Renega Herbicide measuring cone provided, measure the amount of Renega Herbicide required for the area to be sprayed. Add the correct amount of Renega Herbicide to the spray tank with the agitation system engaged. Top up to the correct volume with water. **THE MATERIAL MUST BE KEPT IN SUSPENSION AT ALL TIMES BY CONTINUOUS AGITATION.**

In tank mixes, Renega Herbicide must be in suspension before adding the companion herbicide or surfactant/wetting agent.

Compatibility

Renega Herbicide is compatible with metribuzin herbicide and may be applied to tomatoes for broader spectrum weed control on weeds such as Fat hen, Hogweed (Wireweed), and Pigweed. Refer to the metribuzin product label for Directions for Use. However, when Renega Herbicide is tank mixed with metribuzin reduced efficacy on Barnyard grass can be expected. In cases where Barnyard grass is a major weed then an initial application of Renega Herbicide followed by a tank mix with metribuzin may be desirable. Consult a Crop Culture representative for further information or advice.

Renega Herbicide is compatible with methomyl insecticide formulations, when Renega Herbicide is tank mixed with metribuzin however some temporary chlorosis may be experienced with liquid formulations. Renega Herbicide is compatible with synthetic pyrethroid insecticides.

DO NOT mix Renega Herbicide with organophosphate insecticides, or fungicides. Allow 7 days between application of Renega Herbicide and a treatment using these products.

Use of Surfactant / Wetting agent

Always add non-ionic surfactant (1000 g/L - non buffering type) at 250 mL/100 L (0.25 % v/v) of final spray volume. The addition of crop oil concentrate may result in crop injury.

Ground Spraying

Use a boom spray properly calibrated to a constant speed and rate of delivery to ensure thorough coverage and a uniform spray pattern. Avoid overlapping and shut off spray booms while starting, turning, slowing or stopping. Apply a minimum of 50 L prepared spray/ha.

Sprayer Cleanup

To avoid subsequent injury to crops immediately after spraying thoroughly remove all traces of Renega Herbicide from mixing and spray equipment as follows:

1. Drain tank, then flush tank, boom and hoses with clean water for a minimum of 10 minutes.
2. Fill the tank with clean water then add 300 mL household chlorine bleach (containing 4 % chlorine) per 100 L of water. Flush through boom and hoses then allow to stand for 15 minutes with agitation engaged, then drain.
3. Repeat step 2.
4. Nozzles and screens should be removed and cleaned separately. To remove traces of chlorine bleach, rinse the tank thoroughly with clean water and flush through hoses and boom.

Crop Rotation Recommendations

The amount of Renega Herbicide which may remain in the soil is dependent on the rate used, soil pH and organic matter content, time elapsed since Renega Herbicide application, and climatic and weather factors. The most important breakdown factor is the amount of moisture (rainfall or irrigation) from time of the last application of Renega Herbicide to planting of the follow-on crop.

In the case of crop failure only tomatoes or potatoes can be re-sown.

Land previously treated with Renega Herbicide may be sown to any of the specified crops after the interval indicated in the following table:

Crops	Minimum interval
Wheat, barley, oats	18 months
Sunflower, maize, zucchini	23 months

RESISTANT WEEDS WARNING

GROUP	B	HERBICIDE
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Renega Herbicide is a member of the sulfonylurea group of herbicides. Renega Herbicide has the inhibitor of acetolactate synthase (ALS) mode of action. For weed resistance management Renega Herbicide is a Group B herbicide.

Some naturally occurring weed biotypes resistant to Renega Herbicide and other ALS 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 Renega Herbicide or other ALS herbicides.

Since the occurrence of resistant weeds is difficult to detect prior to use, Crop Culture accepts no liability for any losses that may result from failure of Renega Herbicide to control resistant weeds. Large numbers of healthy surviving weeds can be an indication that resistance is developing. Efforts should be taken to prevent seed set of these survivors.

DO NOT use an ALS inhibitor herbicide against the same weed in the crop following the use of Renega Herbicide alone either as a fallow or pre-crop treatment or post emergent treatment.

Avoid the prolonged use of ALS inhibitor herbicides on the same weed population.

If the user suspects that an ALS inhibitor resistant weed is present, Renega Herbicide or other ALS inhibitors herbicides recommended for the control of that weed should not be used.

Strategies to minimise the risk of herbicide resistance are available. Consult your farm chemical supplier, consultant, local Department of Agriculture or Primary Industries, or local Representative.

PRECAUTION

DO NOT use chlorine bleach with ammonia. All traces of liquid fertiliser containing ammonia, ammonium nitrate or ammonium sulphate must be rinsed with water from the mixing and application equipment before adding chlorine bleach solution. Failure to do so will release a gas with a musty chlorine odour which can cause eye, nose and lung irritation. DO NOT clean equipment in an enclosed area.

PROTECTION OF CROPS, NATIVE AND OTHER NON-TARGET PLANTS

This product may cause injury to or loss of trees and other vegetation, including aquatic plants. DO NOT apply spray or drain or flush equipment on or near 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 under meteorological conditions or from spraying equipment, which could be expected to cause spray to drift onto adjacent areas, including crops, non-target plants or aquatic areas, as injury may occur.

PROTECTION OF WILDLIFE, FISH, CRUSTACEA AND ENVIRONMENT

This product may affect algae and aquatic plants.

DO NOT contaminate any waterway or body of water by spraying, cleaning of equipment or disposal of concentrated product, spray mix or used containers.

STORAGE AND DISPOSAL

Store in the closed, original container in a cool, well-ventilated area. DO NOT store for prolonged periods in direct sunlight. Triple 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 deliver empty packaging to an approved waste management facility. If an approved waste management facility is not available, bury the empty packaging 500 mm below the surface in a disposal pit specifically marked and set up for this purpose, clear of waterways, desirable vegetation and tree roots, in compliance with relevant local, state or territory government regulations. DO NOT burn empty containers or product.

SAFETY DIRECTIONS

Will irritate the eyes. Avoid contact with eyes. When opening the container and preparing spray wear face shield or goggles. If product in eyes, wash it out immediately with water. Wash hands after use. After each day's use, wash face shield or goggles.

FIRST AID INSTRUCTIONS

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

SAFETY DATA SHEET

Additional information is listed in the Safety Data Sheet (SDS) that can be obtained from the supplier or from the manufacturer's website: www.cropculture.com.au

CONDITIONS OF SALE

The use of Renege Herbicide being beyond the control of the manufacturer, no warranty expressed or implied is given by Crop Culture Pty Ltd regarding its suitability, fitness or efficiency for any purpose for which it is used by the buyer, whether in accordance with the directions or not and Crop Culture Pty Ltd accepts with no responsibility for any consequences whatsoever resulting from the use of this product.

In a Transport Emergency Dial 000 Police or Fire Brigade