



The miracles of science™

DuPont™ Cut-Out® brush controller

Technical Information

Active Constituent:

63.2 g/kg METSULFURON METHYL

760.5 g/kg GLYPHOSATE (present as the mono-ammonium salt)

Pack Sizes:

95 g

950 g

GROUP B | M HERBICIDE

CAUTION

KEEP OUT OF REACH OF CHILDREN

READ SAFETY DIRECTIONS BEFORE OPENING OR USING

For the control of certain brush species in pastures, pre-plant forestry, rights of way, commercial and industrial areas, as per Directions for Use Table.

SAFETY DIRECTIONS

Harmful if swallowed. Will irritate the eyes and skin. Avoid contact with eyes and skin. Repeated exposure may cause allergic disorders. Sensitive workers should use protective clothing. Wash hands after use. When opening the container, preparing spray and using the prepared spray, wear cotton overalls buttoned to the neck and wrists, a washable hat and elbow-length PVC gloves. After each day's use wash, gloves and contaminated clothing.

FIRST AID

If poisoning occurs, contact a doctor or Poisons Information Centre (ph 13 11 26).

In a medical emergency call 1800 674 415 All hours

For further information refer to the Material Safety Data Sheet.

GENERAL INSTRUCTIONS

Always add a surfactant/wetting agent. (See section 'Use of Surfactant/Wetting Agent').

Apply when bushes/plants are actively growing. Where treatment is delayed or bushes/plants are not actively growing due to adverse conditions (such as a period of prolonged dry weather or shading), or if partial spray coverage occurs, results may be slow to appear and subsequent regrowth may occur.

Should regrowth occur, re-treatment at the recommended rate is advised. For control of bushes previously sprayed with other brush control herbicides or for bushes which may have been burned or slashed ensure two (2) years has elapsed.

Grasses and legumes will be damaged if pastures are over-sprayed with Cut-Out®.

Ensure appropriate plant back period is observed when used for forestry site preparation.

Due to the widespread picking of blackberries by the public it is recommended that the product is not applied to bushes bearing mature fruit.

RESISTANT WEEDS WARNING

GROUP B | M HERBICIDE

Cut-Out® Brush Controller contains members of the sulfonylurea and glycine groups of herbicides. Cut-Out® has the ALS inhibitor and EPSP synthase inhibitor modes of action. For weed resistance management Cut-Out® contains Group B & M herbicides.

Some naturally-occurring weed biotypes resistant to one or both of the modes of action of Cut-Out® and/or other ALS inhibitor or EPSP synthase inhibitor 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 may not be controlled by Cut-Out® or other herbicides to whose mode of action they are resistant.

Since the occurrence of resistant weeds is difficult to detect prior to use, DuPont (Australia) Limited accepts no liability for any losses that may result from the failure of Cut-Out® to control resistant weeds.

SPRAY PREPARATION

Before spraying calibrate equipment to determine the quantity of water necessary to uniformly cover the measured area to be treated. Partially fill the spray tank with water. Add the required amount of product 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 Cut-Out® must be in suspension before adding the companion herbicide or surfactant.

Where prepared spray solutions have been allowed to stand, thoroughly reagitrate before using.

ALWAYS ADD A SURFACTANT/WETTING AGENT. Use a non-ionic surfactant (1000 gac/L) at 10 mL/100 L of final spray volume (ie. 0.1% volume/volume), except in pre-plant forestry situations use an organosilicone penetrant (eg Pulse) at 250 mL/100 L of final spray volume.

Handgun Application

Spray foliage and canes until wet. Ensure coverage is uniform and complete. Use pressures of 550 – 750 kPa (80 – 100 psi) depending on target species and size of bush. Use larger nozzles and higher pressures for largest bushes.

For example:

Size No. 4 or 5 spray nozzle: small individual bushes or broadleaf weeds - less than 1m high.

Size No. 5 or 6 spray nozzle: medium sized bushes - 1-2 m high.

Size No. 7 or 8 spray nozzle: large bushes 2 - 3 m high or of a large diameter.

NOTE: Use large spray nozzle/high volume for blackberry regrowth.

Spray using a wide cone setting as much as possible. Use even, side-by-side spray pattern moving up from the base to the top of the bush as leaves are wet. For blackberries, **DO NOT** ignore runners to the side or the top of the bush and ensure spray penetrates larger bushes to wet foliage and canes.

Boom spray application

Use a boom spray properly calibrated to a constant speed or rate of delivery to ensure coverage and uniform spray pattern. Adjust boom height to ensure correct overlap. Avoid spraying where drift can go onto crops, areas likely to be planted to crops and non target pastures as injury may occur. Apply in a minimum of 150 L prepared spray/ha. Increase to 200 L prepared spray/ha or more in dense stands.

Aerial application – (by helicopter only)

For general control of brush and other woody weeds apply in a minimum of 100 L prepared spray/ha and up to 200 L prepared spray/ha. For pre-plant forestry only, apply in a minimum of 30 L prepared spray/ha. Higher water volumes may be necessary to ensure adequate coverage where weeds are large and terrain is steep. Spray with a properly calibrated helicopter with a swath width set to minimise distribution variability.

Minimise the potential for spray drift by using spray equipment producing a minimum volume median diameter (VMD) droplet size of 200 microns. Avoid spraying in still conditions and where conditions favour temperature inversions. Avoid spraying where drift can go onto crops, areas likely to be planted to crops and non-target pastures as injury may occur. Turn off spray booms whilst passing over creeks and dams.

SPRAYER CLEANUP

Cut-Out® residues in the spray tank can damage sensitive plants/crops. Where equipment is used for crop spraying, it is particularly important that all traces of Cut-Out® be removed from mixing and spraying equipment immediately after spraying. The recommended sprayer cleanup is 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.

CAUTION: DO NOT use chlorine bleach with ammonia.

CROP ROTATION RECOMMENDATIONS

Metsulfuron methyl, one of the active ingredients in this product is broken down in soil, primarily by chemical hydrolysis, but to a lesser degree by microbial degradation. Breakdown is fastest in warm, wet acid soils and slower in cold, dry alkaline soils.

DO NOT use on land to be cultivated for growing susceptible crops. Crop species sensitive to the product include:

Cereal Rye	Faba Beans	Oats
Japanese Millet	Triticale	Linseed
Peas	Maize	Wheat
Lucerne	Canola (Rapeseed)	Panorama Millet
Barley Lupins	Safflower	White French Millet
Chickpeas	Medics	Subterranean Clover
Sorghum	Sunflower	Soybeans
White Clover		

DO NOT replant any other crop without first consulting the local DuPont representative. Grasses and legumes will be damaged in pasture sprayed with the product and biomass production may be reduced for several months.

Tolerance of species to be sown to areas previously treated with Cut-Out® should be determined on a small scale before sowing into larger areas.

Natural regeneration of legumes from seed is a good indicator of product breakdown.

PROTECTION OF CROPS, NATIVE AND NON-TARGET PLANTS AND OTHERS

DO NOT apply or drain or flush equipment on or near native or non-target 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. (continued next page)

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

PROTECTION OF LIVESTOCK

Livestock may continue to graze in Cut-Out® treated areas.

PROTECTION OF WILDLIFE, FISH, CRUSTACEA AND ENVIRONMENT

DO NOT contaminate dams, rivers or streams with the product or used containers.

DO NOT apply to weeds growing in or over water.

DO NOT spray across open bodies of water.

STORAGE AND DISPOSAL

Store in the closed, original container in a dry, cool, well-ventilated area out of direct sunlight. The method of disposal of the container depends

on the container type. Read the 'Storage and Disposal' instructions on the label that is attached to the container.

IN A MEDICAL EMERGENCY CALL

1800 674 415 All hours

NOTICE TO BUYER

To the extent permitted by law all conditions and warranties and statutory or other rights of action which buyer or any other user may have against DuPont or Seller are hereby excluded. DuPont hereby gives notice to buyer and other users that it will not accept responsibility for any indirect or consequential loss arising from reliance on product information or advice provided by DuPont or on its behalf unless it is established that such information or advice was provided negligently and that the product has been used strictly as directed. DuPont's liability shall in all circumstances be limited to replacement of the product or a refund of the purchase price paid therefor.

APVMA No: 47540/0303

DIRECTIONS FOR USE

RESTRAINTS

DO NOT apply to brush species that are under stress or not actively growing.

DO NOT apply if rainfall is expected within 4 hours.

DO NOT store a suspension of Cut-Out® for more than one day otherwise significant breakdown may occur.

DO NOT store tank mixes of Cut-Out® when mixed with other materials.

HANDGUN APPLICATION ONLY

CROP/ SITUATION	WEED	STATE	RATE g/100 L	TIMING/COMMENTS
Pastures, Rights-of-Way, Commercial and Industrial areas	Apple Box (<i>Angophora floribunda</i>) Messmate Stringybark (<i>Eucalyptus obliqua</i>) Peppermint Gum (<i>E. radiata</i>) Red Gum (<i>E. blakelyi</i>) Yellow Box (<i>E. melliodora</i>)	NSW and ACT only	95 or (1 pre-measure pack)	Apply to plants up to 4 m high. Avoid spraying when plants are stressed. Ensure thorough foliage cover. Results cannot be guaranteed where suckers originate from large lignotubers.
	Australian Blackthorn (<i>Bursaria spinosa</i>)	ACT, NSW, Qld, Tas, Vic only		Apply when bushes are actively growing. Avoid spraying when bushes are stressed. Spray to thoroughly wet all foliage, but not to cause run-off.
	Bitou bush/Boneseed (<i>Chrysanthemoides monilifera</i>)	ACT, NSW, Qld, Vic, SA only		Spray to thoroughly wet all foliage. Minimise contact with desirable species.
	Blackberry (<i>Rubus spp.</i>)	All States		Apply between January and April when bushes are actively growing; (Tas only: apply after petal fall). Spray to thoroughly wet all foliage and canes. Ensure peripheral runners are sprayed. In Tasmania, DO NOT apply to bushes carrying mature fruit.
	Common Bracken (<i>Pteridium esculentum</i>)	All States		Spray after full frond expansion. Spray to thoroughly wet all foliage, but not to cause run-off. Avoid spraying when plants are stressed or in conditions of prolonged dry weather when soils are dry.
	Gorse (<i>Ulex europaeus</i>)	Vic, SA, NSW, ACT and Tas only		Use the surfactant Pulse ¹ at a rate of 200 mL/100 L. Apply to bushes up to 2 m tall. Ensure thorough spray penetration and coverage of the whole plant.
	Hawthorn (<i>Crataegus laevigata</i>)	NSW and ACT only		Apply when bushes are actively growing. Avoid spraying when bushes are stressed. Spray to thoroughly wet all foliage, but not to cause run-off.
	Lantana (<i>Lantana camara</i>)	Qld, NSW and ACT only		Apply to bushes up to 2 m tall. Spray to thoroughly wet all foliage and stems. Spray should penetrate throughout the bush.
	Privet (<i>Ligustrum spp.</i>)			Apply to bushes up to 3 m high. Complete foliar spray coverage is essential for control; partial spray coverage will result in recovery. DO NOT spray when bushes are stressed.
	Sweet Briar (<i>Rosa rubiginosa</i>)	ACT, NSW, Tas, SA, Vic only		Apply when bushes are actively growing. Avoid spraying when bushes are stressed, when leaf fall has commenced or after the end of February. Spray to thoroughly wet all foliage, but not to cause run-off.
	Tree-of-Heaven (<i>Ailanthus altissima</i>)	NSW and ACT only		

BOOM SPRAY AND AERIAL APPLICATION ONLY

CROP/SITUATION	WEED	STATE	RATE/ha	TIMING/COMMENTS
Pre-plant forestry	Blackberry (<i>Rubus spp.</i>)	All States	950 g or (10 pre-measure packs)	Apply when weeds are actively growing. Avoid spraying when weeds are stressed, or during prolonged dry conditions when soils are dry. Use an organosilicone penetrant (eg Pulse ¹) at a rate of 250 mL/100 L. DO NOT plant trees within 3 months of spraying.
	Blackwood (<i>Acacia melanoxylon</i>)			
	Common Bracken (<i>Pteridium esculentum</i>)			
	Dogwood (<i>Cassinia spp.</i>)			
	Eucalyptus spp			
	Hop bush (<i>Dodonaea viscosa</i>)			
	Silver Wattle (<i>Acacia dealbata</i>)			
	Yorkshire Fog (<i>Holcus lanatus</i>)			
	<i>Pinus spp.</i> regeneration		950 g or (10 pre-measure packs) 1.5 kg or (16 pre-measure packs) + 4 L glyphosate (360 g/L formulation) #	# Use the higher rate (plus glyphosate) on regeneration greater than 0.3 m in height.

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

WITHHOLDING PERIOD

NONE REQUIRED WHEN USED AS DIRECTED

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