



Product Name: SPOTLIGHT HERBICIDE
APVMA Approval No: 53673/126201

Label Name:	SPOTLIGHT HERBICIDE
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Signal Headings:	CAUTION KEEP OUT OF REACH OF CHILDREN READ SAFETY DIRECTIONS BEFORE OPENING OR USING
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Constituent Statements:	ACTIVE CONSTITUENT: 240 g/L CARFENTRAZONE-ETHYL SOLVENT: 736 g/L HYDROCARBON LIQUID
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Mode of Action:	GROUP G HERBICIDE
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Statement of Claims:	For use as a standalone treatment for sucker control of raspberries, blackberries, currants, gooseberries and for improvement in the control of small flowered mallow and certain other annual broadleafweeds prior to establishment of crops or fallows, in pre-flowering treefruits, nuts and grapevines in tank mixture with knockdown herbicides as per the Directions For Use Table.
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Net Contents:	1L - 10L
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Restraints:	For uses other than rubus and ribes sucker control, DO NOT apply Spotlight on its own (See compatibility section). DO NOT apply by aerial application.
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Directions for Use:	This section contains file attachment.
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Other Limitations:	
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Withholding Periods:	<p>RUBUS AND RIBES SPP.: HARVEST: NOT REQUIRED WHEN USED AS DIRECTED. GRAZING: DO NOT GRAZE TREATED AREAS OR CUT FOR STOCK FOOD FOR 14 DAYS AFTER APPLICATION.</p> <p>Other uses: NOT REQUIRED WHEN USED AS DIRECTED HOWEVER, REFER ALSO TO THE WITHHOLDING PERIOD OF PRODUCT/S MIXED WITH SPOTLIGHT HERBICIDE.</p>
Trade Advice:	
General Instructions:	This section contains file attachment.
Resistance Warning:	<p>RESISTANT WEEDS WARNING GROUP G HERBICIDE</p> <p>Spotlight Herbicide is a member of the Aryl triazoline group of herbicides. Its mode of action is through a process of membrane disruption, which is initiated by the inhibition of the enzyme protoporphyrinogen oxidase. This inhibition interferes with the chlorophyll biosynthetic pathway. For weed resistance management Spotlight is a Group G herbicide. Some naturally occurring weed biotypes resistant to Spotlight and other Group G herbicides may exist through normal genetic variability in any weed population and increase if these herbicides are used repeatedly. These resistant weeds will not be controlled by Spotlight or other Group G herbicides.</p> <p>Since the occurrence of resistant weeds is difficult to detect prior to use, FMC Australia Pty Ltd. accepts no liability for any losses that may result from the failure of Spotlight or other Group G herbicides.</p>
Precautions:	<p>CROP PLANT BACK & ROTATION RECOMMENDATIONS</p> <p>Spotlight Herbicide does not provide residual activity, therefore no crop plant back or rotational restrictions apply. However, check the label of any product mixed with Spotlight Herbicide, to determine any plant back period or restrictions on use.</p> <p>RE-ENTRY</p> <p>Do not allow entry into treated areas for 12 hours after application. When prior entry is necessary, wear impervious footwear and chemical resistant gloves. Clothing must be laundered after each day's use.</p>
Protections:	<p>PROTECTION OF CROPS, NATIVE AND OTHER NON-TARGET PLANTS</p> <p>DO NOT apply under weather conditions, or from spray equipment, which may cause spray drift onto nearby susceptible plants, adjacent crops, or pastures.</p> <p>PROTECTION OF WILDLIFE, FISH, CRUSTACEANS, AND ENVIRONMENT</p> <p>DO NOT contaminate streams, rivers or waterways with Spotlight or used container.</p>
Storage and Disposal:	<p>STORAGE AND DISPOSAL</p> <p>Store in the closed original container, in a cool well ventilated area, out of direct sunlight.</p>

	<p>Triple rinse container 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.</p> <p>Spillage - In case of spillage, confine spilled product with material such as sand or clay. Dispose of waste as indicated below or according to the Australian Standard 2507 - Storage and Handling of Pesticides. DO NOT allow spilled product to enter sewers, drains, creeks or any other waterways.</p>
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Safety Directions:	<p>SAFETY DIRECTIONS</p> <p>Will irritate the eyes and skin. Avoid contact with eyes and skin. When opening the container and preparing spray, wear cotton overalls buttoned to the neck and wrist and a washable hat, elbow-length PVC gloves and face shield or goggles. When using the prepared spray, wear cotton overalls buttoned to the neck and wrist (or equivalent clothing) and elbow-length PVC gloves. If product on skin, immediately wash area with soap and water. If product in eyes, wash it out immediately with water. Wash hands after use. After each day's use, wash gloves, face shield or goggles and contaminated clothing.</p>
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First Aid Instructions:	<p>If poisoning occurs, contact a doctor or Poisons Information Centre. Phone Australia 131126; New Zealand 0800 764 766. If swallowed, do NOT induce vomiting. If in eyes, wash out immediately with water.</p>
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First Aid Warnings:	
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DIRECTIONS FOR USE

Situation	Weeds Controlled**	Time of Application	State	Rate	Critical Comments
<p>Prior to sowing winter and summer broadacre and horticultural crops; starting a fallow; In pre- flowering, young or established*</p> <p>Grapevines</p> <p>Treefruits</p> <p>Nuts,</p> <ul style="list-style-type: none"> - Almonds - Apples - Apricots - Grape vines. - Macadamias - Peaches - Pears - Pecans - Plums - Walnuts, 	<p>Paterson's curse (<i>Echium plantagineum</i>)</p> <p>Sub. Clover (<i>Trifolium subterraneum</i>)</p> <p>Australian Crassula (<i>Crassula spp</i>)</p> <p>Chickweed (<i>Stellaria media</i>)</p> <p>Small flowered mallow (<i>Malva parviflora</i>)</p> <p>Refer also to the product label for the knockdown herbicide used</p> <p>** : if one of the 5 weeds above is the dominant weed, and there is no specific rate for it in the knockdown herbicide's label, consult the label's generic annual-weed rate - range.</p> <p>Select from within this range, to suit the weed-stage, weed density, conditions (etc) of your situation.</p>	<p>Apply as a tank mix with Gladiator, other glyphosate products, Spray.Seed, Shirquat or other paraquat products.</p>	<p>All States</p>	<p>25 -75 mL plus Recommended label rates of knockdown herbicides</p>	<p>Addition of Spotlight knockdown herbicides will increase the speed at which treated broad leaved weeds in general develop visible symptoms (compared to results achieved with knockdown herbicides applied alone) and may improve final control of broadleaved weeds including certain hard-to kill weeds, small flowered mallow in particular. The use of higher rates and full soil disturbance in cropping situations may improve control of small flowered mallow in particular. Use the lower rates on younger plants or plants growing under good conditions and the higher rates on older plants or plants growing under less optimum conditions.</p> <p>Application to hardened weeds or drought stressed weeds especially under summer conditions may cause only localised injury to weed foliage which may not enhance final weed control.</p> <p>Apply only as a tank mix with recommended rates of knockdown herbicides. Refer to the appropriate label for weed sizes and follow all label directions. To ensure uptake of Spotlight, DO NOT sow crops for at least 1 hour after application. Always refer to the appropriate companion product label, in case a longer re-crop sowing period is required.</p> <p>* If spraying established, <u>bearing</u> Vines/trees, it must be done in the dormant period, before flowering commences.</p>

Rubus spp (including raspberries and blackberries) and Ribes spp. (including currants and gooseberries)	Control of unwanted suckers (cane burning)	Apply to suckers less than 300 mm long, before any lignification occurs.	All States	75 mL/100L	<p>Ensure complete coverage of suckers and spray to point of run-off.</p> <p>A minimum spray volume of 50 L per kilometre of row (both sides sprayed) is recommended. Avoid spray drift onto desirable green stems, foliage, fruit or flowers.</p> <p>Use hooded or shielded sprayers when applying treatment in close proximity to seedlings or newly transplanted bushes, or when planting distance between bushes and distances between rows are minimal.</p> <p>WARNING: this product is highly toxic to foliage and green stems of broadleaf plants, and incidental spray drift onto desirable green stems, foliage, fruit or flowers may result in necrosis.</p> <p>The spraying of target emergent suckers is not known to affect the health of <i>Rubus</i> or <i>Ribes</i> bush varieties; however, it is recommended to treat a small area of suckers in close proximity to <i>Rubus</i> or <i>Ribes</i> bushes to ascertain any response before treating the whole crop.</p>
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NOT TO BE USED FOR ANY PURPOSE, OR IN ANY MANNER, CONTRARY TO THIS LABEL UNLESS AUTHORISED UNDER APPROPRIATE LEGISLATION.

GENERAL INSTRUCTIONS

Spotlight Herbicide is a post-emergence herbicide to be added to knockdown herbicides to improve the control of certain broadleaf weeds including small flowered mallow prior to the establishment of fallows, winter and summer broadacre and horticultural crops or in pre-flowering tree fruits, nuts and grapevines. Spotlight is a fast acting contact herbicide and aids in control of weeds through a process of membrane disruption. The foliar uptake of Spotlight is rapid and plant desiccation can occur within 4 days of application. Application of Spotlight should target small actively growing weeds. Subsequent germinations will not be controlled.

SYMPTOMS

Spotlight is rapidly absorbed through the foliage of plants. Within a few hours following application, the foliage of susceptible weeds show signs of desiccation, and in subsequent days necrosis and death of the plant.

Extremes in environmental conditions eg. temperature and moisture, soil conditions and cultural practices may affect the activity of Spotlight. Under warm moist conditions, herbicide symptoms may be accelerated. While under very dry conditions, the expression of herbicidal symptoms is delayed, and weeds hardened off by drought are less susceptible to Spotlight.

COMPATIBILITY

Spotlight should be tank mixed with formulations of knockdown herbicides Gladiator or other products based on glyphosate, Spray.Seed®, Shirquat®, or other knockdown herbicides based on paraquat except for use in *Rubus spp.* and *Ribes spp.* Refer to Directions for Use.

TIMING

Application should be made to small, actively growing weeds less than 6 to 8 leaf in stage. As Spotlight is a contact herbicide, best control is achieved when weeds are exposed and are not shielded by other weeds and or stubble.

MIXING

Add half the required volume of water to spray tank and start agitation. Add the measured amount of Spotlight next, followed by the required amount of the knockdown herbicide. Add balance of water to tank and add any adjuvant or additive if recommended for use with the knockdown herbicide. Maintain good agitation at all times until spraying is completed.

APPLICATION

DO NOT apply by aerial application. Apply Spotlight as a broadcast application. Use conventional boom sprayers with either mechanical or by-pass agitation. Flat fan nozzles should be used. Spray equipment should be properly calibrated to ensure correct application. Use a spray volume of 30 to 150 litres per hectare or as recommended for the knockdown herbicide used. Use the lowest pressure and boom height which provides uniform coverage. Use the higher volume if weed infestation is heavy.

The best application conditions are when soil is moist, weather fine and rain unlikely within one hour or as specified for the knockdown herbicide.

Extremes in environmental conditions eg. temperature and moisture, soil conditions and/or cultural practices may affect the activity of Spotlight. Under warm moist conditions, herbicide symptoms may be accelerated. While under very dry conditions, the expression of herbicidal symptoms is delayed, and weeds hardened off by drought are less susceptible to Spotlight.

Spotlight® is a Registered Trademark of FMC Australia Pty Ltd.
Spray.Seed®, Shirquat® are other Registered Trademark.