

Product Name: Quantum Sulfometuron 750 WG Herbicide
APVMA Approval No: 91875/150380

Label Name:	Quantum Sulfometuron 750 WG Herbicide
Signal Headings:	CAUTION KEEP OUT OF REACH OF CHILDREN READ SAFETY DIRECTIONS BEFORE OPENING OR USING
Constituent Statements:	ACTIVE CONSTITUENT: 750 g/kg SULFOMETURON-METHYL
Mode of Action:	GROUP 2 HERBICIDE
Statement of Claims:	A water dispersible granule herbicide for control of certain perennial/annual grasses and broadleaf weeds in Commercial & Industrial areas, around Agricultural buildings and Rights-of-Way.
Net Contents:	NET CONTENTS: 1 kg, 2 kg, 3 kg, 5 kg
Restrains:	RESTRAINTS: DO NOT apply Quantum Sulfometuron 750 WG Herbicide to drainage ditches and channels. DO NOT apply Quantum Sulfometuron 750 WG Herbicide during periods of intense rainfall, or to soils saturated with water, as off-target movement may occur. DO NOT store tank mixes of Quantum Sulfometuron 750 WG Herbicide with other materials for more than 24 hours as product breakdown may occur. DO NOT store a suspension of Quantum Sulfometuron 750 WG Herbicide for more than 2 days as it may degrade, particularly in acid solutions.
Directions for Use:	This section contains file attachment.

Other Limitations:	
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Withholding Periods:	WITHHOLDING PERIOD: NOT REQUIRED WHEN USED AS DIRECTED
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Trade Advice:	
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General Instructions:	This section contains file attachment
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Resistance Warning:	<p>RESISTANT WEEDS WARNING GROUP 2 HERBICIDE Quantum Sulfometuron 750 WG Herbicide is a member of the sulfonylurea group of herbicides. Quantum Sulfometuron 750 WG Herbicide has the ALS inhibitor mode of action. For weed resistance management, Quantum Sulfometuron 750 WG Herbicide is a Group 2 herbicide.</p> <p>Some naturally occurring weed biotypes resistant to Quantum Sulfometuron 750 WG Herbicide and other ALS 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 will not be controlled by Quantum Sulfometuron 750 WG Herbicide or other ALS inhibitor herbicides. Since the occurrence of resistant weeds is difficult to detect prior to use, Quantum Agrosiences Holdings Pty Ltd accepts no liability for any losses that may result from the failure of Quantum Sulfometuron 750 WG Herbicide to control resistant weeds. Strategies to minimize the risk of herbicide resistance are available. Consult your farm chemical supplier, consultants, local Department of Agriculture or Primary Industries, or local Quantum Agrosiences Holdings Pty Ltd representative.</p>
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Precautions:	<p>PRECAUTION DO NOT use chlorine bleach with ammonia</p>
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Protections:	<p>PROTECTION OF CROPS, NATIVE AND OTHER NON-TARGET PLANTS DO NOT apply to drainage ditches (including roadside ditches and table drains) and channels as some of the chemical may wash away in drainage water and be deposited in areas where it may cause damage to desirable trees and other plants. DO NOT apply under weather conditions, or from spraying equipment, that may cause spray to drift onto nearby susceptible plants/crops, cropping lands, pastures or onto agricultural land scheduled to be planted to crops or pastures, as injury to the crop or pasture may occur.</p> <p>PROTECTION OF LIVESTOCK DO NOT graze treated areas or cut for stock food.</p> <p>PROTECTION OF WILDLIFE, FISH, CRUSTACEANS AND ENVIRONMENT DO NOT apply or drain or flush equipment on or near desirable trees or other plants, or on areas where their roots extend, or in locations where the chemical may be washed or moved into contact with their roots. DO NOT contaminate any body of water by spraying, cleaning of equipment, disposal of waste, or run-off from treated areas. If accidental contamination does occur, the water must not be used for irrigation.</p>
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Storage and Disposal:	<p>STORAGE AND DISPOSAL</p> <p>During storage keep away from contact with fertilisers, other pesticides and seeds. Store in the closed, original container in a cool, well-ventilated area. Do not store for prolonged periods in direct sunlight.</p> <p>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 for appropriate disposal 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>
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Safety Directions:	<p>SAFETY DIRECTIONS</p> <p>Will irritate the eyes, nose and throat and skin. Avoid contact with eyes and skin. Do not inhale dust or spray mist. If product in eyes, wash it out immediately with water. When opening the container, preparing and using the product wear cotton overalls buttoned to the neck and wrist or equivalent clothing, elbow-length chemical resistant gloves, goggles and half facepiece respirator. Wash hands after use. After every use, wash gloves, goggles and respirator and contaminated clothing. If rubber, wash with detergent and warm water.</p>
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First Aid Instructions:	<p>FIRST AID</p> <p>If poisoning occurs, contact a doctor or Poisons Information Centre. Phone Australia 13 11 26.</p>
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First Aid Warnings:	
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DIRECTIONS FOR USE
ALL STATES

Situation	Weeds	Application Rates			Critical Comments
		Boom g/ha	Handgun g/100 L	Knapsack g/15 L	
Commercial & Industrial Areas, around Agricultural buildings, Rights-of-Way including roadsides, around guideposts, railways, power lines and telephone lines.	Easy to Kill Annual Weeds Grasses - Annual Ryegrass Barnyard Grass, Summer grass/Crab grass, Wild Oats and Winter grass. Broadleaf – Blue Billygoat Weed, Capeweed, Corkscrew/Erodium, Paterson's Curse/Salvation Jane, Subterranean Clover and Turnip Weed. Easy to Kill Perennial Weeds Grasses - Prairie Grass Broadleaf – Dandelion, Dock and White Clover	200 or 400	20 or 40	3 or 6	For roadside applications confine treatment to the area between the edge of the bitumen and the roadside shoulder. For weeds advanced beyond the 4-leaf stage or when more rapid knockdown is required, tank mix with glyphosate herbicide in accordance with its label recommendations. Always add a surfactant – except when tank mixing with glyphosate herbicide. Use the higher rate for longer-term residual control. Use the higher rate plus glyphosate herbicide (in accordance with its label recommendations), for dense weed infestations and where weeds are greater than 15 cm in height or diameter. For handgun or knapsack application, apply the spray evenly to the required area. Spray to wet the foliage of the weeds present, but not excessively so as to cause run-off. Over application may reduce knockdown results and significantly increase the period of residual control.
	Hard to Kill Annual Weeds Grasses - Rat's Tail Fescue, Squirrel Tail Fescue. Broadleaf – Black Thistle/Spear Thistle Hard to Kill Perennial Weeds Grasses - African Love Grass, Columbus grass, Couch, Elastic grass, Guinea Grass, Johnson Grass, Kikuyu, Paspalum, and Phalaris.	200 or 400	20 or 40	3 or 6	For roadside applications confine treatment to the area between the edge of the bitumen and the roadside shoulder. Always tank mix with glyphosate herbicide in accordance with its label directions – a surfactant is not required. Use the higher rate plus glyphosate herbicide (in accordance with its label recommendations), for dense weed infestations and where weeds are greater than 15 cm in height or diameter. Use the higher rate for longer-term residual control. For handgun or knapsack application, apply the spray evenly to the required area. Spray to wet the foliage of the weeds present, but not excessively so as to cause run-off. Over application may reduce knockdown results and significantly increase the period of residual control.
		400 or 800	40 or 80	6 or 12	

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

GENERAL INSTRUCTIONS

Quantum Sulfometuron 750 WG Herbicide is a soil residual herbicide with some knockdown action. It controls susceptible weeds through both post-emergence and pre-emergence (residual) action. Quantum Sulfometuron 750 WG Herbicide may be applied pre-emergence or post-emergence to the weeds; best results are obtained if application is made before or during the early stages of weed growth. Adequate soil moisture is required for Quantum Sulfometuron 750 WG Herbicide to be activated so it can provide optimum weed control. Under limited rainfall conditions, Quantum Sulfometuron 750 WG Herbicide may not provide satisfactory control of hard-to-kill annuals and perennial weeds. The higher use rates give longer-term residual control. The degree of control and duration of effect will vary with the rate of application, soil texture, organic matter content, soil pH, rainfall and other environmental conditions.

As soil pH increases the rate of Quantum Sulfometuron 750 WG Herbicide breakdown decreases, so that longest-term residual control is obtained on alkaline soils. As soil moisture increases the rate of Quantum Sulfometuron 750 WG Herbicide breakdown increases, so that longest-term residual control is obtained when rainfall is low. As soil organic matter content increases the rate of Quantum Sulfometuron 750 WG Herbicide breakdown increases, so that longest-term residual control is obtained in low organic matter soils.

SPRAY PREPARATION

Quantum Sulfometuron 750 WG 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 graduated measuring cylinder provided, measure the amount of Quantum Sulfometuron 750 WG Herbicide required for the area to be sprayed. DO NOT shake the Quantum Sulfometuron 750 WG Herbicide down as the measuring cylinder is graduated for Quantum Sulfometuron 750 WG Herbicide in an uncompacted state. Add the correct amount of Quantum Sulfometuron 750 WG 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.

(NB: The measuring cylinder provided is graduated in grams of Quantum Sulfometuron 750 WG Herbicide ONLY. DO NOT use for measuring other materials). In tank mixes, Quantum Sulfometuron 750 WG Herbicide must be in suspension before adding the companion herbicide or surfactant. Where prepared spray solutions have been allowed to stand, thoroughly re-agitate before using.

Use of Surfactant

Always add a 1000 g/L non-ionic surfactant at the rate of 0.25% v/v (e.g. Turf Culture Turfwett Non-Ionic Surfactant at 250 mL/100 L) when Quantum Sulfometuron 750 WG Herbicide is used alone. When Quantum Sulfometuron 750 WG Herbicide is tank mixed with glyphosate herbicide, no surfactant addition is necessary.

Spraying Equipment

DO NOT apply by aerial application equipment or mist spray application equipment.

Boom Spray

Quantum Sulfometuron 750 WG Herbicide is recommended for application by ground spraying equipment only. Use a boom spray (or off-centre nozzle if necessary) properly calibrated to a constant speed and rate of delivery to ensure thorough coverage and a uniform spray pattern and rate of application over the area to be treated. Apply a minimum of 50 L prepared spray/ha.

Handgun/Knapsack

Wet the foliage of the weeds present but not excessively so as to cause run-off. Handgun – Use 1000 – 2000 litres of spray mix per hectare. Quantum Sulfometuron 750 WG Herbicide residues in the spray tank can damage sensitive plants. Following an Quantum Sulfometuron 750 WG Herbicide application the spray tank should not be used for other than non-crop applications.

Compatibility

Quantum Sulfometuron 750 WG Herbicide is compatible with bromacil, Kromac®, glyphosate and Hexmac®.

Sprayer Cleanup

Quantum Sulfometuron 750 WG Herbicide residues in the spray tank can damage sensitive plants. It is recommended that a sprayer be dedicated to the use of Quantum Sulfometuron 750 WG Herbicide. Where equipment is also used for crop spraying, it is particularly important that all traces of Quantum Sulfometuron 750 WG Herbicide be removed from mixing and spraying equipment immediately after spraying.

The recommended sprayer cleanup is as follows:

1. Drain tank, then flush tank, boom, filters and hoses with clean water for a minimum of 10 minutes.
2. Fill the tank with clean water and add 300 mL chlorine bleach (containing 4% chlorine) per 100 L water. Flush through boom, filters and hoses, then allow to sit 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 boom, filters and hoses.