



Product Name: Soleto 500 SC Herbicide
APVMA Approval No: 89790/126101

Label Name: Soleto 500 SC Herbicide

Signal Headings: READ SAFETY DIRECTIONS BEFORE OPENING OR USING

Constituent Statements: ACTIVE CONSTITUENT: 500 g/L METOBROMURON

Mode of Action: GROUP 5 HERBICIDE

Statement of Claims: Pre-emergence herbicide for the control of annual broad-leaved weeds and annual grasses in potatoes

Net Contents: Contents:
1 L - 1000 L

Restraints: This section contains file attachment.

Directions for Use: This section contains file attachment.

Other Limitations:

Withholding Periods: WITHHOLDING PERIOD:
NOT REQUIRED WHEN USED AS DIRECTED.

Trade Advice:

General Instructions:	<p>GENERAL INSTRUCTIONS</p> <p>Soleto 500 SC Herbicide is a pre-emergence herbicide for the control of annual broad-leaved weeds and annual grasses in potatoes. Soleto 500 SC is mainly absorbed by the roots and transported acropetally within the plant after uptake. Soleto 500 SC acts by inhibiting photosynthesis in susceptible weeds.</p> <p>Some transient crop discolouration may occur under certain climatic conditions where heavy rainfall follows application. This transient crop effect is rapidly outgrown and has no effect on crop yield.</p> <p>SOIL TYPE</p> <p>Soleto 500 SC is recommended for use on all soil types. Optimum efficacy is achieved when applied to moist soil. The efficacy of Soleto 500 SC may be reduced when applied on soils with a high organic matter content (>10%). Reduced levels of weed control may occur if application is made to dry cloddy seedbeds or if a prolonged dry period follows application.</p> <p>WATER VOLUME AND SPRAY QUALITY</p> <p>Apply in 200 - 600 L of water per ha using a MEDIUM spray quality.</p> <p>MIXING AND APPLICATION</p> <p>Before using Soleto 500 SC, ensure the spray equipment is clean. Shake the container well before use.</p> <ol style="list-style-type: none"> 1. Half fill the spray tank with clean water and commence agitation. 2. Add the required amount of product to the spray tank and complete filling, maintaining agitation until spraying is completed. 3. On emptying the product container, rinse container thoroughly by using an integrated pressure rinsing device or manually rinsing three times when empty. Add washings to sprayer at time of filling and dispose of container safely. 4. On preparation of spray solution, use as soon as practically possible. <p>Never prepare more spray solution than required.</p> <p>SPRAY TANK CLEAN OUT</p> <p>All application equipment and contaminated clothing should be thoroughly washed/ rinsed with clean water three times. After each step of washing drain the sprayer, spray out completely. Ensure that all liquid is removed from the sprayer tank, pump and hoses. Remove nozzles, open tank and drain pump to allow free access of air to all parts of the system. Care should be taken not to rinse contaminated washings from application equipment into waste water channels.</p> <p>Contaminated cleaning liquids should be disposed of safely according to local regulations. Operators should read the sprayer manufacturer's instructions before beginning to wash out sprayers.</p> <p>RE-CROPPING INTERVALS</p> <p>A re-cropping interval after application of 120 days should be observed for root and leafy vegetable crops and 180 days for all other crops (including cereals) after application. Potatoes can be re-planted after minimal cultivation.</p>
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Resistance Warning:	<p>RESISTANT WEEDS WARNING</p> <p>GROUP 5 HERBICIDE</p> <p>Soleto 500 SC Herbicide is a member of the ureas group of herbicides. The product has the inhibitor of photosynthetic electron transfer at photosystem II (PS II inhibitors) mode of action. For weed resistance management Soleto 500 SC is a Group 5 herbicide.</p>
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	<p>Some naturally occurring weed biotypes resistant to Soleto 500 SC and other Group 5 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 Soleto 500 SC or other Group 5 herbicides.</p> <p>Since the occurrence of resistant weeds is difficult to detect prior to use, Belchim Crop Protection N.V. and Grochem Australia accept no liability for any losses that may result from the failure of Soleto 500 SC to control resistant weeds.</p>
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Precautions:	
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Protections:	<p>PROTECTION OF CROPS, NATIVE AND OTHER NON-TARGET PLANTS DO NOT apply under weather conditions, or from spraying equipment, that may cause spray to drift onto nearby susceptible plants, crops, cropping lands or pastures. 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.</p> <p>PROTECTION OF WILDLIFE, FISH, CRUSTACEANS AND ENVIRONMENT Very toxic to aquatic life. DO NOT contaminate wetlands or watercourses with this product or used containers.</p> <p>PROTECTION OF HONEY BEES AND OTHER INSECT POLLINATORS Harmful to bees, including bee brood. DO NOT overspray or allow spray drift to flowering weeds or flowering crops in the vicinity of the treatment area. Before spraying, notify beekeepers to move hives to a safe location with an untreated source of nectar and pollen, if there is potential for managed hives to be affected by the spray or spray drift.</p>
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Storage and Disposal:	<p>STORAGE & DISPOSAL</p> <p>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.</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.</p> <p>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>
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Safety Directions:	<p>SAFETY DIRECTIONS May irritate the eyes. Avoid contact with eyes. Wash hands after use.</p>
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First Aid Instructions:	<p>FIRST AID First aid is not generally required. If in doubt, contact a Poisons Information Centre (e.g. phone Australia 13 11 26; New Zealand 0800 764 766) or a doctor.</p>
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First Aid Warnings:	
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DIRECTIONS FOR USE

CROP	WEEDS	USE RATE	CRITICAL COMMENTS
Potatoes	Annual broad-leaved weeds and annual grasses Refer to Weeds Controlled table	3 - 4 L/ha	<p>Soleto 500 SC may be applied on all varieties of potatoes.</p> <p>Some transient crop discolouration may occur under certain climatic conditions where heavy rainfall follows application. This transient crop effect is rapidly outgrown and has no effect on crop yield.</p> <p>Reduced levels of weed control may occur if application is made to dry cloddy seedbeds or if a prolonged dry period follows application.</p> <p>Apply one application after ridging and prior to crop emergence. Higher rates are recommended on heavier soils.</p> <p>The higher dose rate should be used on heavy soils with a high clay content.</p> <p>Do not cultivate soil after application of Soleto 500 SC.</p> <p>Maximum number of treatments per crop: One.</p>

WEEDS CONTROLLED

Common Name	Scientific Name	Rate
BROADLEAVED WEEDS		
Amaranthus	<i>Amaranthus powellii</i>	3 L
Amaranth Redroot	<i>Amaranthus retroflexus</i>	3 L
Amaranth, Green	<i>Amaranthus hybridus</i>	4 L
Annual Mercury	<i>Mercurialis annua</i>	4 L
Black Bindweed	<i>Polygonum convolvulus</i>	3 L
Black Nightshade	<i>Solanum nigrum</i>	3 L
Californian Thistle	<i>Cirsium vulgare</i>	3 L
Capeweed	<i>Arctotheca calendula</i>	4 L Suppression
Charlock	<i>Sinapis arvensis</i>	3 L
Charlock, Jointed	<i>Raphanus raphanistrum</i>	3 L
Chickweed	<i>Stellaria media</i>	3 L
Cleavers	<i>Galium aparine</i>	3 L
Clover, Red	<i>Trifolium pratense</i>	4 L
Clover, White	<i>Trifolium repens</i>	3 L
Common Groundsel	<i>Senecio vulgaris</i>	3 L
Cornbind	<i>Fallopia convolvulus</i>	3 L
Fat Hen	<i>Chenopodium album</i>	3 L
Fumitory	<i>Fumaria officinalis</i>	3 L
Fumitory, Scrambling	<i>Fumaria muralis</i>	4 L Suppression
Knotgrass	<i>Polygonum aviculare</i>	3 L
Lesser Swinecress	<i>Lepidium didymum</i>	4 L Suppression
Mallow	<i>Malva spp.</i>	3 L
Oxalis	<i>Oxalis latifolia</i>	3 L
Pigweed	<i>Portulaca oleracea</i>	4 L Suppression
Red Deadnettle	<i>Lamium purpureum</i>	3 L
Russian Knapweed	<i>Acroptilon repens</i>	4 L
Shepherds Purse	<i>Capsella bursa-pastoris</i>	3 L
Sowthistle	<i>Sonchus arvensis</i>	3 L
Sowthistle, Common	<i>Sonchus oleraceus</i>	4 L
Speedwell	<i>Veronica persica</i>	3 L
Speedwell, Ivy-Leaved	<i>Veronica hederifolia</i>	3 L
Spurrey	<i>Spergula arvensis</i>	3 L
Stinging Nettle	<i>Urtica urens</i>	3 L
Volunteer Kale	<i>Brassica oleraceae</i>	3 L

Common Name	Scientific Name	Rate
Wild Carrot	<i>Daucus carota</i>	3 L
Wild Radish	<i>Raphanus raphanistrum</i>	4 L Suppression
Willow Weed	<i>Persicaria maculosa</i>	3 L
Wire Weed	<i>Polygonum aviculare</i>	3 L
Yarrow	<i>Achillea millefolium</i>	3 L
GRASS WEEDS		
Barnyard Grass	<i>Echinochloa crus-galli</i>	3 L
Foxtail, Green	<i>Setaria viridis</i>	3 L
Ryegrass, Annual	<i>Lolium rigidum</i>	4 L Suppression
Ryegrass, Italian	<i>Lolium multiflorum</i>	4 L
Ryegrass, Perennial	<i>Lolium perenne</i>	3 L
Stinkgrass	<i>Eragrostis ciliaris</i>	4 L Suppression
Wild Oats	<i>Avena fatua</i>	3 L
Winter Grass	<i>Poa annua</i>	3 L

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

RESTRAINTS

DO NOT apply by aircraft.

DO NOT apply if heavy rains or storms are forecast within 3 days.

DO NOT irrigate to the point of field runoff for at least 3 days after application.

DO NOT overlap spray swaths.

SPRAY DRIFT RESTRAINTS

Specific definitions for terms used in this section of the label can be found at apvma.gov.au/spraydrift.

DO NOT allow bystanders to come into contact with the spray cloud.

DO NOT apply in a manner that may cause an unacceptable impact to native vegetation, agricultural crops, landscaped gardens and aquaculture production, or cause contamination of plant or livestock commodities, outside the application site from spray drift. The buffer zones in the relevant buffer zone table/s below provide guidance but may not be sufficient in all situations. Wherever possible, correctly use application equipment designed to reduce spray drift and apply when the wind direction is away from these sensitive areas.

DO NOT apply unless the wind speed is between 3 and 20 kilometres per hour at the application site during the time of application.

DO NOT apply if there are hazardous surface temperature inversion conditions present at the application site during the time of application. Surface temperature inversion conditions exist most evenings one to two hours before sunset and persist until one to two hours after sunrise.

DO NOT apply by a boom sprayer unless the following requirements are met:

- Spray droplets are not smaller than a MEDIUM spray droplet size category.
- Minimum distances between the application site and downwind sensitive areas are observed (see 'Mandatory buffer zones' section of the following table titled 'Buffer zones for boom sprayers').

Buffer zones for boom sprayers

Application rate	Boom height above the target canopy	Mandatory downwind buffer zones				
		Bystander areas	Natural aquatic areas	Pollinator areas	Vegetation areas	Livestock areas
Up to maximum label rate	0.5 m or lower	0 meters	10 meters	0 meters	45 meters	275 metres
	1.0 m or lower	0 meters	40 meters	0 meters	130 meters	375 meters