

Product Name:	CHEMAG SHARP SHOOTER 500 SC
APVMA Approval No:	60041/127183

Signal Headings:

Label Name:	CHEMAG SHARP SHOOTER 500 SC

READ SAFETY DIRECTIONS BEFORE OPENING OR USING

Constituent	ACTIVE CONSTITUENT: 500 g/L ORYZALIN
Statements:	

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Statement of Claims:	For pre-emergent control of certain annual grasses and broadleaf weeds in non-bearing and bearing fruit and nut orchards, vineyards, nursery stock, ornamentals and amenity plantings as specified in the Directions for Use Table.
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Net Contents:	1L-20L

Restraints:		

Directions for Use:	This section contains file attachment.

Other Limitations:

Withholding Periods: N	NOT REQUIRED WHEN USED AS DIRECTED.

Trade Advice:	
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General Instructions:	SHARP SHOOTER 500 SC is a pre-emergent surface applied herbicide, which will control the specified annual grasses and broadleaf weeds in the crops listed.
	Soil Preparation: Areas to be treated should be free of established weeds. Remove or thoroughly mix trash (weed residue, prunings etc) into the soil before applying SHARP SHOOTER 500 SC.
	Soil Activation: Moisture in the form of rain or sprinkler irrigation (12.5 mm) is required within 21 days of application to activate the product otherwise efficacy may be reduced. If moisture is not received within the period, incorporate SHARP SHOOTER 500 SC into the top 2.5 cm of soil.
	MIXING The required amount of SHARP SHOOTER 500 SC should be added to a half-full spray tank and agitated well during completion of filling. DO NOT leave spray solutions to stand over night.
	APPLICATION Apply SHARP SHOOTER 500 SC in 200 to 450 litres water per hectare. Apply uniformly, especially within the dripline of trees and shrubs so that application above label rate does not occur. Use a properly calibrated low pressure (170 to 340 kPa) herbicide sprayer. Provide good by-pass or other agitation of the spray suspension in the tank before and during application. Soil treated with SHARP SHOOTER 500 SC may be shallow cultivated without loss of herbicidal activity. SHARP SHOOTER 500 SC is compatible with Paraquat, Glyphosate, Oxyfluorofen and Simazine.

Resistance Warning:	GROUP D HERBICIDE SHARP SHOOTER 500 SC is a member of the dimitroanilines group of Herbicides. SHARP SHOOTER 500 SC has the inhibitor of tubulin formation mode of action. For weed resistance management, SHARP SHOOTER 500 SC is a Group D Herbicide. Some naturally occurring weed biotypes resistant to SHARP SHOOTER 500 SC and other Group D 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 SHARP SHOOTER 500 SC or other Group D Herbicides, thus resulting in a reduction in efficacy and possible yield loss. Since the occurrence of resistant weeds is difficult to detect prior to use, Imtrade Australia Pty Ltd accepts no liability for any losses that may result from the failure of SHARP SHOOTER 500 SC to control resistant weeds.
	Strategies to minimise the risk of herbicide resistance are available. Contact your farm chemical supplier, consultant, local Department of Agriculture, or local Imtrade Australia Pty Ltd representative.

Precautions:	
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Protections:	PROTECTION OF CROPS, NATIVE AND OTHER NON-TARGET PLANTS When applying spray, avoid contact with leaves and other parts of trees and vines. DO NOT apply under weather conditions, or from spraying equipment, that may result in chemical movement by spray drift or storm run-off onto nearby susceptible plants/crops, cropping lands or pastures.			
	PROTECTION OF WILDLIFE, FISH, CRUSTACEAN AND ENVIRONMENT DO NOT contaminate streams, rivers or waterways with the chemical or used container.			

Storage and Disposal:	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. 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.
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Safety Directions:	Avoid contact with eyes and skin.DO NOT inhale spray mist.
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First Aid Instructions:	If poisoning occurs, contact a Doctor or Poisons Information Centre (Phone Australia 13 11 26; New Zealand 0800 764 766).
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First Aid Warnings:

IN ALL STATES

Crop Group				Weeds Controlled	Rate L/ha	Critical Comments
Banana ¹				Grasses:	Short	See GENERAL INSTRUCTIONS
Duboisia				Barnyard Guineagrass	term control	¹ DO NOT use as a pre-emergent at the time of planting with tissue culture
Grape ²		_	· · · · · · · · · · · · · · · · · · ·	Love	(up to 4	banana planting material.
Pome Fruit	Apple	Pear	(see also non-bearing fruits)	Paradoxa Pigeon	months) 4.5 L	² Western Australia only:
Stonefruit	Apricot Cherry	Peach Plum & Prune	Nectarine	Spiny burr		Vineyards on medium loam or heavier soil types, heavily infested with
Citrus Fruit	Grapefruit	Orange	(see also non-bearing fruits)	(Gentle Annie/Innocent Weed) Summer grass		crabgrass may be sprayed with up to
Nuts	Almonds Macadamia	Pecan	Walnut	(Crabgrass ³)		9.5 L/ha of SHARP SHOOTER 500 SC and together with pome fruit and all
Non-bearing berryfruits	Blackberry Blueberry Boysenberry	Currant Gooseberry Loganberry	Raspberry	Broadleaf Weeds: Deadnettle Fathen Fumitory Portulaca (Pigweed) Sowthistle (Hogweed)Long term control (6 to 8 months) 6.8 LBrassica species4: Blackberry nightshade Caltrop Paddymelon Silverleaf nightshadeLong term term control (6 to 8 months) 6.8 L	Prunus species on these soils spraying can be immediately after transplanting from nurseries providing buds are still dormant and no functional leaves are	
Non-bearing – fruits including nursery stock of the following:	Avocado Custard apple Feijoa Guava Kiwifruit	Lemon Litchi Mandarin Mango Nashi	Olive Passionfruit Pawpaw Persimmon Rambutan		months)	 present. ³ Western Australia only: Apply early in summer for crabgrass (<i>Digiteria sanguinalis</i>) control and incorporate with overhead irrigation. ⁴ Control of these weeds may range from poor to excellent depending upon soil temperature, time of germination, depth of weed seed in the soil and amount and timing of soil moisture. Duboisia – Area to be treated should be free of established weeds. Rain or irrigation (10-15mm) is required within 21 days of application to activate SHARP SHOOTER 500 SC otherwise efficacy may be reduced. DO NOT apply by air.
Nursery stock and/or seedling stage conifers including species of the following genus:	Abies (fir trees) Chamaecyparis (Lawson and false cypress) Cryptomeria Cupressus (Cypress) Juniperus (Junipers)	<i>Picea</i> (spruces) <i>Pinus</i> (pine) <i>Platycladus orientalis</i> (oriental arborvitae) <i>Podocarpus</i>	Pseudofsuga menziesli (Douglas fir or Oregon pine) Sequoia sempervirens (Coastal redwood) Taxus cuspidate (Japanese yew) Thuja			
						The sensitivity of some species and varieties of Duboisia has not been fully evaluated. Treat only a small number of plants to ascertain their reaction before treating the whole crop.

Crop Group			Weeds Controlled	Rate L/ha	Critical Comments	
Nursery stock, ornamentals and amenity plantings comprising of the following:	Acacia (wattles)CasuarinaAgonis (WA(Oaks and sheoak)Peppermint, Willow (or Honey) myrtle)Chamaelaucium uncinatumAllocasuarina(Geraldton wax)BanksiaClematisBoroniaCorreaCallistermonEriostemon MyoporoidesCallitris (Cypress pine)(Wax flower)CassiaCassia	Grevillea Hakea Hardenbergia (sarsaparilla) Hibbertia Kennedia Lechenaultia Leptospermum and Melaleuca (teatrees) Prostanthera (Mintbush) Thryptomene Westringia	Grasses: Barnyard Guineagrass Love Paradoxa Pigeon Spiny burr (Gentle Annie/Innocent Weed) Summer grass (Crabgrass ³) Broadleaf Weeds: Deadnettle Fathen Fumitory Portulaca (Pigweed) Sowthistle Wireweed (Hogweed) Brassica species ⁴ : Blackberry nightshade Caltrop Paddymelon Silverleaf nightshade	Short term control (up to 4 months) 4.5 L Long term control (6 to 8 months) 6.8 L	See GENERAL INSTRUCTIONS ¹ DO NOT use as a pre-emergent at the time of planting with tissue culture banana planting material. ² Western Australia only: Vineyards on medium loam or heavier soil types, heavily infested with crabgrass may be sprayed with up to 9.5 L/ha of SHARP SHOOTER 500 SC and together with pome fruit and all Prunus species on these soils spraying can be immediately after transplanting from nurseries providing buds are still dormant and no functional leaves are present. ³ Western Australia only: Apply early in summer for crabgrass (<i>Digiteria sanguinalis</i>) control and incorporate with overhead irrigation. ⁴ Control of these weeds may range from poor to excellent depending upon soil temperature, time of germination, depth of weed seed in the soil and amount and timing of soil moisture.	
Ginger (<i>Zingiber</i> officinal)					6L/ha OR Use 6L/ha plus 2.5kg of a 900g/kg Simazine product	One (1) application only, immediately post plant, pre-emergence of the crop. Use SHARP SHOOTER 500 SC alone, or in combination with Simazine when there is a wide weed spectrum or high weed density.

Crop Group			Weeds Controlled	Rate L/ha	Critical Comments	
Nursery stock, ornamentals and amenity plantings comprising of the following:	Exotic species of the genus Abelia Acalypha Acer (maples) Arctostaphylos Ardisia Azalea Baccharis (groundsel bush) Bauhinia Berberis (barberry) Belula (birch tree) Bignonia Buxus (box) Calluna Ceanothus, Cistus Clyostoma Coleonema Coprosma Cotoneaster Cuphea Cytisus (broom) Dodonea (hopbush) Erica (heath) Escallonia Euonymus Eutaxia Fatshedera Fuschia	Felicia Gardenia Gingko Hibiscus Ilex Jasminum Justicia Kalmia Koelreuteria Lagenaria Lagerstroemia Lantana Lavendula (lavender) Leucodendron Leucothoe Ligustrum Liquidambar Liriope Lonicera (honeysuckle) Magnolia Mahonia Metrosideros Monstera Myrtus Nandina Nerium (Oleander)	Osmanthus Parahebe Philadelphus Philodendron Phoenix Photinia Pieris Pittosporum Populus (poplar) Prunus Pseudopanax Pyracantha Quercus Rhaphiolepis Rhododendrom, Rosa (roses) Rosmarinus (rosemary) Russelia Spiraea Trachelospermum (Rhyncospermum) Umbellularia Viburnum Washingtonia Weigela Xylosma Yucca	Grasses: Barnyard Guineagrass Love Paradoxa Pigeon Spiny burr (Gentle Annie/Innocent Weed) Summer grass (Crabgrass ³) Broadleaf Weeds: Deadnettle Fathen Fumitory Portulaca (Pigweed) Sowthistle Wireweed (Hogweed) Brassica species ⁴ : Blackberry nightshade Caltrop Paddymelon Silverleaf nightshade	Short term control (up to 4 months) 4.5 L Long term control (6 to 8 months) 6.8 L 6.8 L	See GENERAL INSTRUCTIONS ¹ DO NOT use as a pre-emergent at the time of planting with tissue culture banana planting material. ² Western Australia only : Vineyards on medium loam or heavier soil types, heavily infested with crabgrass may be sprayed with up to 9.5 L/ha of SHARP SHOOTER 500 SC and together with pome fruit and all Prunus species on these soils spraying can be immediately after transplanting from nurseries providing buds are still dormant and no functional leaves are present. ³ Western Australia only : Apply early in summer for crabgrass (<i>Digiteria sanguinalis</i>) control and incorporate with overhead irrigation. ⁴ Control of these weeds may range from poor to excellent depending upon soil temperature, time of germination, depth of weed seed in the soil and amount and timing of soil moisture. ⁵ Apply at time of planting and soon after harvesting. Apply in 200 to 450 L/ha water.

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