



 DIRECTIONS FOR USE:

 RESTRAINTS:

 DO NOT apply by aircraft.

 DO NOT apply when rain is expected within 6 hours.

 DO NOT apply to weeds under stress due to, for example, very dry, very wet, frosty or diseased conditions.

 DO NOT apply under hot dry conditions (temperatures above 33°C with a relative humidity below 50%).

 CROP/ SITUATION
 WEEDS
 STATE
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CROP/ SITUATION	WEEDS	STATE	RATE	WHP	CRITICAL COMMENTS
Blackberry, Boysenberry, Loganberry, Raspberry	Primocane and sucker control	NSW, ACT, Vic, Tas only	500 mL / 100 L water	Nil	Apply as a directed spray to suckers and primocanes. Contact with flowers, developing fruit or desirable foliage will cause damage. Ensure complete coverage of primocanes/suckers by spraying to the point of runoff, preferably when they are less than 15 cm high. A non-ionic wetting agent (1000 g/L) may be added at a rate of 25 mL/100 L or equivalent.
Avocado, Banana, Feijoa, Guava, Kiwifruit, Litchi, Mango, Pawpaw, Passionfruit, Pineapple, Rambutan plantations Citrus orchards Olive plantations Pome and stone fruit orchards Tree nut plantations Vineyards	See lists of weeds controlled in Tables 1 and 2.	Qld, NSW, ACT, Vic, SA, WA, NT only All States	1.0 to 5.0 L/ha	Nil 21 days (H) Nil	



CROP/ SITUATION	WEEDS	STATE	RATE	WHP	CRITICAL COMMENTS
Vineyards (<i>cont</i> .)	See lists of weeds controlled in Tables 1 and 2.	All states	1.0 to 5.0 L/ha	Nil	Weeds that have been hardened or stunted in growth due to stressed conditions should be treated at the maximum rate. COVERAGE Complete coverage of weeds is essential for good control. Poor coverage may result in re-growth. PERENNIAL WEEDS
					Apply when weeds are actively growing. Follow up treatments will be necessary to control re-growth of perennial weeds in most cases.
Strawberries, Cane berry fruits (inter-row) Tomatoes (inter-row)	See lists of weeds controlled	All States	1.0 to 5.0 L/ha	Nil	Apply as a directed or shielded spray to the inter-row area. Take care not to allow spray or spray drift to contact the crop, including strawberry runners. Refer to GENERAL INSTRUCTIONS for warnings concerning plastic mulch and
Commercial & Industrial areas, rights-of-way and	in Tables 1 strial areas, s-of-way and		1.0 to 6.0 L/ha		Determine the recommended rate of use by considering the criteria WEED SPECIES, WEED STAGE OF GROWTH, WEED DENSITY and CLIMATIC CONDITIONS as described above.
other non-agricultural areas					Warnings: Do not allow spray or spray drift to contact desirable plants. To avoid potential crop damage, refer to the label sections on Application Equipment and PROTECTION OF CROPS, NATIVE AND OTHER NON-TARGET PLANTS.
Line-marking on	Turf grasses	All States	250 to	-	Refer to GENERAL INSTRUCTIONS.
sports grounds	weeds /100 L water sports fields where pr		KELPIE [®] G-FOS 200 HERBICIDE is a non-selective, non-residual herbicide with limited translocation potential. It is therefore ideally suited for line-marking on sports fields where precise weed control is required. Apply at 6-8 week intervals depending upon growth of turf. Apply using single boom or hand wand.		

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

WITHHOLDING PERIODS (WHP):

Harvest (H)

Avocado, banana, blackberry, boysenberry, citrus fruit, feijoa, grapes, guava, kiwifruit, litchi, loganberry, mango, olives, passionfruit, pawpaw, pineapple, rambutan, raspberry, strawberries, tomatoes, tree nuts: NOT REQUIRED WHEN USED AS DIRECTED. Pome and stone fruit: DO NOT HARVEST FOR 21 DAYS AFTER APPLICATION.

Grazing (G)

DO NOT GRAZE OR CUT TREATED AREAS FOR STOCK FOOD FOR 8 WEEKS AFTER APPLICATION.

TABLE 1: RECOMMENDATIONS FOR WEED CONTROL (EXCEPT WHEN REFERRED TO TABLE 2).

		APPLICATION RATE			
COMMON NAME	SCIENTIFIC NAME	Boom or directed	Handgun	Knapsack	
		sprayer L/ha	mL/100 L	mL/15 L	
	ANNUAL WEEDS				
Amaranthus spp.	Amaranthus spp.	2.0 to 5.0	500	75	
Apple of Peru	Nicandra physalodes	1.5 to 3.0	300	45	
Argentine peppercress	Lepidium bonariense	2.0 to 3.0	300	45	
Awnless barnyard grass	Echinochloa colona	2.5 to 3.5	350	53	
Barley grass	Hordeum leporinum	2.0 to 3.0	300	45	
Barnyard grass	Echinochloa crus galli	2.0 to 5.0	500	75	
Billy goat weed	Ageratum conyzoides	2.0 to 5.0	500	75	
Bitter cress	Cardamine hirsuta	2.0 to 5.0	500	75	
Black bindweed (buckwheat) (refer Note 2)	Fallopia convolvulus	1.8 to 5.0	500	75	
Bladder ketmia	Hibiscus trionum	3.0 to 5.0	500	75	
Bordered panic	Entolasia marginata	2.0 to 4.0	400	60	
Brome grasses (refer Note 1)	Bromus spp.	2.0 to 3.0	300	45	
Calopo	Calopogonium mucunoides	2.0 to 5.0	500	75	
Caltrop burr (refer also Table 2)	Tribulus terrestris	3.0 to 5.0	500	75	
Cape weed	Arctotheca calendula	1.5 to 5.0	500	75	
Clover (subterranean)	Trifolium subterraneum	1.8 to 3.0	300	45	
Cobbler's peg	Bidens pilosa	2.0 to 5.0	500	75	
Common storksbill	Erodium cicutarium	1.5 to 4.0	400	60	
Crowsfoot grass	Eleusine indica	3.0 to 5.0	500	75	
Dead nettle (refer also Table 2)	Lamium amplexicaule	2.0 to 5.0	500	75	
Dwarf crumbweed	Chenopodium pumilo	3.0 to 5.0	500	75	
Fat hen	Chenopodium album	3.0 to 5.0	500	75	
Fumitory	Fumaria officinalis	1.8 to 5.0	500	75	
Green crumbweed	Chenopodium carinatum	2.0 to 5.0	500	75	
Lesser canary grass (refer also Table 2)	Phalaris minor	3.0 to 5.0	500	75	
Liverseed grass (refer also Table 2)	Urochloa panicoides	1.5 to 5.0	500	75	
Medics (annual)	Medicago spp.	1.0 to 5.0	500	75	
Milk thistle	Sonchus oleraceus	2.0 to 5.0	500	75	

TABLE 1: RECOMMENDATIONS FOR WEED CONTROL (EXCEPT WHEN REFERRED TO TABLE 2).

		APPLICATION RATE		
COMMON NAME	SCIENTIFIC NAME	Boom or directed sprayer L/ha	Handgun mL/100 L	Knapsack mL/15 L
	ANNUAL WEEDS (cor			
Mint weed	Salvia reflexa	3.0 to 5.0	500	75
New Zealand spinach	Tetragonia tetragoniodes	2.0 to 5.0	500	75
Paterson's curse	Echium plantagineum	1.0 to 3.0	300	45
Peanuts	Arachis hypogaea	1.5 to 3.0	300	45
Pigweed	Portulaca oleracea	3.0 to 5.0	500	75
Pinkburr	Urena lobata	2.0 to 5.0	500	75
Potato weed	Galinsoga parviflora	2.0 to 5.0	500	75
Prairie grass (refer Note 1)	Bromus unioloides1	4.0 to 5.0	500	75
Prickly lettuce	Lactuca serriola	3.0 to 5.0	500	75
Red natal grass	Rhynchelytrum repens	2.0 to 5.0	500	75
-				75
Ryegrass (annual)	Lolium rigidum	2.0 to 5.0	500	
Saffron thistle	Carthamus lanatus	1.5 to 5.0	500	75
St. Barnaby's thistle	Centaurea solstitialis	1.5 to 5.0	500	75
Sago weed	Plantago cunninghamii	2.0 to 3.0	300	45
Scarlet pimpernel	Anagallis arvensis	2.0 to 5.0	500	75
Setaria	Setaria italica	2.0 to 5.0	500	75
Sheep thistle	Carduus tenuiflorus	2.5 to 5.0	500	75
Silver grass	Vulpia myuros	2.0 to 5.0	500	75
Sorghum/sudax	Sorghum bicolor	2.0 to 5.0	500	75
Square weed	Spermacoce latifolia	2.0 to 5.0	500	75
Stagger weed	Stachys arvensis	2.0 to 5.0	500	75
Star of Bethlehem	Ipomoea quamoclit	2.0 to 5.0	500	75
Summer grass	Digitaria ciliaris	2.0 to 5.0	500	75
Thickhead	Crassocephalum crepidioides	3.0 to 5.0	500	75
Three cornered jack	Emex australis	2.0 to 5.0	500	75
Tomato	Lycopersicon esculentum	2.0 to 5.0	500	75
Townsville stylo	Stylosanthes humilis	1.0 to 3.0	300	45
Turnip weed	Rapistrum rugosum	3.0 to 5.0	500	75
•		2.5 to 5.0	500	75
Variegated thistle (refer also Table 2)	Silybum marianum	+ +		
Wheat	Triticum aestivum	4.0 to 5.0	500	75
Wild carrot	Daucus glochidiatus	2.0 to 5.0	500	75
Wild gooseberry	Physalis minima	2.0 to 5.0	500	75
Wild mustard	Sysimbrium orientale	2.0 to 5.0	500	75
Wild oats (refer also Table 2)	Avena spp.	3.0 to 5.0	500	75
Wild radish	Raphanus raphanistrum	5.0	500	75
Wire weed (refer also Table 2)	Polygonum aviculare	1.5 to 5.0	500	75
	PERENNIAL WEEDS	<u> </u>		
Blady grass	Imperata cylindrica	3.0 to 4.0	400	60
Cape tulip	Homeria spp.	2.0 to 3.0	300	45
Centro	Centrosema pubescens	1.0 to 5.0	500	75
Clover glycine	Glycine latrobeana	1.0 to 3.0	300	45
Couch grass	Cynodon dactylon	2.5 to 5.0	500	75
Cow pea	Vigna unguiculata	1.0 to 3.0	300	45
Giant sensitive plant	Mimosa invisa	2.0 to 5.0	500	75
Greenleaf desmodium	Desmodium intortum	1.0 to 3.0	300	45
Johnson grass	Sorghum halepense	3.0 to 5.0	500	75
Panicum spp.	Panicum spp.	2.0 to 5.0	500	75
Paspalum spp.	Paspalum spp.	3.0 to 5.0	500	75
Perennial bindweed	Convolvulus arvensis	2.0 to 3.0	300	45
Shamrock	Oxalis corymbosa	3.0	300	45
Sida weed (refer also Table 2.)	Sida retusa	3.0 to 5.0	500	75
Silver leaf desmodium	Desmodium uncinatum	4.0 to 5.0	500	75
Siratro	Macroptilium atropurpureum	1.0 to 3.0	300	45
Stink grass	Eragrostis cilianensis	3.0 to 5.0	500	75
White clover	Trifolium repens	3.0 to 5.0	500	75
White eye	Richardia brasiliensis	3.0 to 5.0	500	75
Willow herb	Epilobium spp.	4.0 to 5.0	500	75

Notes:

1. Well-established clumps of Prairie grass and Brome grasses may only be suppressed at these rates.

Follow-up treatments may be necessary to control regrowth.

2. Good control will be achieved on small and medium sized plants only in non-crop situation.

TABLE 2: FOR CONTROL OF WEEDS IN COMMERCIAL AND INDUSTRIAL AREAS. RIGHTS OF WAY AND OTHER NON-AGRICULTURAL AREAS (WHEN REFERRED FROM TABLE 1).

		APPLICATION RATE						
COMMON NAME	SCIENTIFIC NAME	Boom or directed sprayer L/ha	Handgun mL/100 L	Knapsack mL/15 L				
Caltrop burr	Tribulus terrestris	4.0 to 5.0	500	75				
Dead nettle	Lamium amplexicaule	6.0	600	90				
Lesser canary grass	Phalaris minor	4.0 to 6.0	600	90				
Liverseed grass	Urochloa panicoides	1.5	150	23				
Variegated thistle	Silybum marianum	6.0	600	90				
Wild oats	Avena spp.	5.0 to 6.0	600	90				
Wire weed	Polygonum aviculare	2.0 to 5.0	500	75				
	PERENNIAL WEED	S		·				
Sida weed	Sida retusa	4.0 to 5.0	500	75				

GENERAL INSTRUCTIONS:

KELPIE[®] G-FOS 200 HERBICIDE is a non-volatile herbicide with non-selective activity against many annual and perennial broadleaf weeds and grasses. KELPIE[®] G-FOS 200 HERBICIDE is absorbed by plant foliage and green stems. It is not significantly translocated as an active herbicide throughout the plant, and therefore will only kill that part of a green plant that is contacted by spray. KELPIE[®] G-FOS 200 HERBICIDE does not provide residual weed control. Visible symptoms of control appear in 3 to 7 days, but complete desiccation may take 20 to 30 days under cool conditions. Best results are achieved when application is made under good growing conditions. Application to weeds under stress (e.g. due to continuous severe frosts, dry or waterlogged conditions) should be avoided.

Soil fumigation / sterilisation

KELPIE[®] G-FOS 200 HERBICIDE is metabolised (broken down) by microorganisms in the soil to become inactive. Soil fumigation or sterilisation will reduce the number of microorganisms present, thus slowing the breakdown of KELPIE[®] G-FOS 200 HERBICIDE. As damage to transplants or seedlings may occur, it is not advisable to apply KELPIE[®] G-FOS 200 HERBICIDE in conjunction with soil fumigation or sterilisation.

Plastic mulches

KELPIE® G-FOS 200 HERBICIDE will remain active on inert surfaces such as plastic. Special care should be taken when applying KELPIE® G-FOS 200 HERBICIDE over plastic mulches, as plant contact with the mulch after spraying may result in crop damage.

Resistant Weeds Warning



KELPIE® G-FOS 200 HERBICIDE is a member of the phosphinic acid group of herbicides.

KELPIE[®] G-FOS 200 HERBICIDE is an inhibitor of glutamine synthetase. For weed resistance management. KELPIE[®] G-FOS 200 HERBICIDE is a Group N herbicide. Some naturally occurring weed biotypes resistant to KELPIE[®] G-FOS 200 HERBICIDE and other Group N 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 KELPIE[®] G-FOS 200 HERBICIDE or other Group N herbicides.

Since occurrence of resistant weeds is difficult to detect prior to use, Sinochem International Australia Pty Ltd accepts no liability for any losses that may result from the failure of KELPIE® G-FOS 200 HERBICIDE to control resistant weeds.

Export of Treated Produce

Growers should note that suitable MRLs or import tolerances may not be established in all markets for produce treated with KELPIE[®] G-FOS 200 HERBICIDE. If you are growing produce for export, please check with Sinochem International Australia Pty Ltd for the latest information on MRLs and import tolerances BEFORE using KELPIE[®] G-FOS 200 HERBICIDE.

Compatibility

KELPIE® G-FOS 200 HERBICIDE is compatible with most residual herbicides e.g. simazine, diuron, oxyfluorfen (Goal ®), norfluazuron and oryzalin (Surflan ®). The addition of a wetting agent or other adjuvant is generally not considered necessary. However, benefit has been obtained using a wetting agent on hard-to-wet weeds when using water rates in excess of 500 L/ha. The rate is 25 mL/100 L of a 1000 g/L non-ionic wetting agent, or equivalent.

Mixing

KELPIE® G-FOS 200 HERBICIDE mixes easily with water. Clean water should always be used for mixing with KELPIE® G-FOS 200 HERBICIDE. Ensure that the spray tank is free of any residues of previous spray materials.

Two-thirds fill the spray tank with clean water, and with agitator operating add the required amount of KELPIE[®] G-FOS 200 HERBICIDE. Add other relevant compatible products. Top the tank up to the required volume with clean water with agitator running.

Application Equipment

Ground Sprayers

Aim to apply a thorough and even coverage of spray to the target plant. Dense stands of weeds should be thoroughly wetted with spray. Incomplete coverage may result in poor control.

Equipment should be such that adequate coverage, penetration and volume of spray liquid can be achieved.

Boom or Directed Sprayer Equipment

KELPIE® G-FOS 200 HERBICIDE should be applied at label rates (refer to specific column in the lists of weeds controlled) in sufficient water to give thorough coverage of weeds. It has been found that 300 to 500 L/ha has given good results under most weed conditions.

Special care must be taken when using sprayer/slasher combination units not to cause dust and turbulence, which can carry spray into non-target areas.



Knapsack and Handgun Equipment

KELPIE® G-FOS 200 HERBICIDE should be applied at label rates (refer to specific columns in the lists of weeds controlled) in adequate water to thoroughly wet the weeds being sprayed, i.e. 500 to 1000 L/ha. Dense stands will require up to 1000 L/ha of spray mixture, whereas less dense stands will require less water. High volume application using hollow-cone nozzles for hand spraying is recommended.

Controlled Droplet Application (CDA) Equipment

KELPIE[®] G-FOS 200 HERBICIDE may be applied through CDA row spraying equipment fitted with a solid (impermeable) shroud or skirt, at rates as recommended for boom or directed sprayers (Refer to specific column in the lists of weeds controlled.), provided thorough spray coverage of weeds can be achieved. Apply preferably when weeds are less than 15 cm in height, with the equipment set up so that the spray dome only just touches the tops of the weeds. A total spray volume of 20 to 30 L/ha has been found to give good results. Do not mix residual herbicides or any spray adjuvants with KELPIE[®] G-FOS 200 HERBICIDE when using CDA equipment.

Warning: Because the spray solution is highly concentrated particular care must be taken when using KELPIE[®] G-FOS 200 HERBICIDE through CDA equipment to avoid contact of the spray solution with any part of the crop trunk or canopy. DO NOT apply KELPIE[®] G-FOS 200 HERBICIDE through equipment fitted with bristle skirts. Particular care should be taken when using CDA equipment around green or uncalloused bark.

Please refer to PROTECTION OF CROPS, NATIVE AND OTHER NON-TARGET PLANTS. CDA equipment must not be used for application in cherry orchards.

Sprayer cleanup

Clean all equipment after use by thoroughly flushing with water.

Aircraft

Do not apply by aircraft.

PRECAUTIONS:

Re-entry Period

Do not allow entry into treated areas until the spray has dried. When prior entry is necessary, wear cotton overalls buttoned to the neck and wrist (or equivalent clothing) and chemical resistant gloves. Clothing must be laundered after each day's use.

PROTECTION OF WILDLIFE, FISH, CRUSTACEANS AND ENVIRONMENT

DO NOT contaminate streams, rivers or waterways with this product or the used container.

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 on desirable foliage or allow spray to drift onto the foliage of plants, trees or vines, as damage will occur. DO NOT allow product to contact green or uncalloused bark (such as on young trees and vines) or cut, cracked, damaged or wounded tissue, where the affected surface is not adequately healed. KELPIE® G-FOS 200 HERBICIDE may be used around trees/vines less than two years old provided they are effectively shielded from spray and spray drift. DO NOT allow desirable plant foliage to contact any inert surface, such as plastic mulches, which have been treated with KELPIE® G-FOS 200 HERBICIDE. DO NOT apply KELPIE® G-FOS 200 HERBICIDE to recently fumigated or sterilised soil.

STORAGE AND DISPOSAL

Store in the closed, original container in a cool, well-ventilated area. DO NOT store for prolonged periods in direct sunlight. Triple or preferably pressure 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 bury containers in a local authority landfill. If no landfill is available, bury the containers below 500mm in a disposal pit specifically marked and set up for this purpose clear of waterways, desirable vegetation and tree roots. Empty containers and product should NOT be burnt. **For REFILLABLE containers:** Empty contents fully into application equipment. Close all valves and return to point of supply for refill or storage.

SAFETY DIRECTIONS

Harmful if absorbed by skin contact or swallowed. Will irritate the eyes and skin. Avoid contact with the eyes and skin. When opening the container, preparing spray and using the prepared spray, wear cotton overalls buttoned to the neck and wrist (or equivalent clothing) and a washable hat, elbow length PVC gloves and face shield or goggles. 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 and face shield or goggles and contaminated clothing.

SAFETY DATA SHEET

For further information refer to the Safety Data Sheet (SDS), which can be obtained from your supplier or from the Sinochem Australia website at: www.sinochem.com.au

FIRST AID

If poisoning occurs, contact a doctor or Poisons Information Centre. Phone Australia 13 11 26.



LIMITATION OF LIABILITY

With the express exception of liabilities created by the Competition and Consumer Act 2010 (Cth) (including the Australian Consumer Law) or relevant State legislation which cannot be excluded, restricted or modified, none of Sinochem International Australia Pty Ltd or any of its affiliates ("Sinochem") or any manufacturer of any component of the product shall be liable for any loss or damage (including consequential loss or damage), injury or death connected with, or arising out of, the product, regardless of the way in which it arises (including by way of negligence).

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