



CAUTION
KEEP OUT OF REACH OF CHILDREN
READ SAFETY DIRECTIONS BEFORE OPENING OR USING



Sinochem Australia



KELPIE®
TRALK-D 400 WG
HERBICIDE ACTIVE CONSTITUENT: 400 g/kg TRALKOXYDIM

GROUP A HERBICIDE

For the control of Wild Oats and Annual Ryegrass and suppression of Annual Phalaris in Wheat, Barley, Rye and Trifoliate.
IMPORTANT: READ THIS LEAFLET BEFORE USE

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**DIRECTIONS FOR USE****RESTRAINTS**

DO NOT apply to weeds or crops under stress due to severe frost, drought, water logging, low soil fertility, pre-emergent herbicides, insects or diseases.

DO NOT use boomless jets or misters.

DO NOT apply if rain is expected within 30 minutes.

CROP/SITUATION	WEEDS CONTROLLED	STATE	WEED STAGE	RATE	CRITICAL COMMENTS
Wheat, Barley, Rye, Triticale	Wild Oats	Qld, NSW, Vic, Tas, SA only	Growing actively at 2-4 leaf (pre-tillering)	300 g/ha*	Apply in the first 4-6 weeks to unstressed crops and weeds when the majority of crop plants have 2 leaves . Application to lush crops may increase likelihood of yellowing and/or growth retardation.
				380 g/ha*	Apply in the first 4-6 weeks to unstressed crops and weeds when the majority of the crop plants have 3 leaves . This is the minimum rate if tank mixing with broadleaf herbicides.
				430 g/ha*	Apply in the first 4-6 weeks when the majority of crop plants have 3 leaves . Use this rate under dry soil conditions or if applying during August onwards . Use of Supercharge® Spray Tank Adjuvant at 1 L per 100 L may improve weed control under these conditions.
			Growing actively up to early tillering (maximum of 2 tillers)	500 g/ha*	Use where application is delayed . DO NOT apply to pre-tillered crops. Use of Supercharge® Spray Tank Adjuvant at 1 L per 100 L may improve weed control if soil is dry or if applying from August onwards.
Wild Oats and Annual Ryegrass in mixed infestations	NSW, Vic, Tas, SA only	Growing actively at 2-4 leaf (pre-tillering)	380 g/ha*	Use when Wild Oats predominate . DO NOT apply to crops with less than 3 leaves. Use of Supercharge® Spray Tank Adjuvant at 1 L per 100 L may improve weed control if soil is dry or if applying from August onwards.	
		Growing actively up to early tillering (maximum of 2 tillers)	500 g/ha*	DO NOT apply to pre-tillered crops. Use of Supercharge® Spray Tank Adjuvant at 1 L per 100 L may improve weed control if soil is dry or if applying from August onwards.	
		Growing actively at 2-4 leaf (pre-tillering)	380-500 g/ha*	DO NOT apply to tillered Ryegrass. Using spray volumes of 70-100 L/ha may assist control. Tank mixes of the lower rate with listed broadleaf herbicides may reduce Ryegrass control.	
Annual Phalaris (suppression only of Paradoxa Grass, Lesser Canary Grass)	NSW, Vic, Tas, SA only	Growing actively at 2-4 leaf (pre-tillering)	380-500 g/ha*	Preferably apply within 6 weeks of sowing when weeds are at the 2-4 leaf stage and growing actively. DO NOT apply to tillered Annual Phalaris. The higher rate may give more reliable results. Use of spray volumes of 70-100 L/ha may assist control. Tank mixes with listed broadleaf herbicides may reduce Annual Phalaris control. Paradoxa Grass is more sensitive than lesser Canary Grass. DO NOT apply to crops with less than 3 leaves.	



CROP/SITUATION	WEEDS CONTROLLED	STATE	WEED STAGE	RATE	CRITICAL COMMENTS
Wheat, Barley (except Moondyne Yagan), Rye, Triticale	Wild Oats	WA only	Growing actively at 2-4 leaf (pre-tillering)	250 g/ha*	Apply in the first 4-6 weeks to unstressed crops and weeds when the majority of crop plants are at growth stage Z12. Application to lush crops may increase likelihood of yellowing and/or growth retardation.
			Growing actively up to early tillering (maximum of 2 tillers)	380 g/ha*	Use where application is delayed and the majority of crop plants are at growth stage Z13. This is the preferred rate for dense Wild Oat populations. Use this rate if tank mixing with listed broadleaf herbicides.
	Wild Oats and Annual Ryegrass in mixed infestations		Growing actively up to early tillering (maximum of 2 tillers)	380 g/ha*	Use when Wild Oats predominate. Apply when the majority of crop plants are at growth stage Z13.
	Growing actively at 2-4 leaf (pre-tillering)		380 g/ha*	DO NOT apply to tillered Ryegrass. Use of higher spray volumes may assist control. Tank mixes with listed broadleaf herbicides may reduce Ryegrass control.	
* ALWAYS ADD SUPERCHARGE® SPRAY TANK ADJUVANT AT A RATE OF 750 mL PER 100 L SPRAY SOLUTION. INCREASE THE RATE TO 1 L PER 100 L UNDER DRYING CONDITIONS. ALWAYS USE 1 L PER 100 L FOR AERIAL APPLICATION.					

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

WITHHOLDING PERIODS (WHP): DO NOT GRAZE OR CUT FOR STOCK FOOD FOR 14 DAYS AFTER APPLICATION

GENERAL INSTRUCTIONS

Mixing

Only use sprayers in good working condition with high capacity agitation. Ensure the sprayer is cleaned according to the label instructions on the product used prior to KELPIE® TRALK-D 400 WG HERBICIDE. Use only clean water for the spray solution. Ensure that all in-line strainer and nozzle screens in the sprayer are 100 mesh or coarser. DO NOT use cartridge or disc filters after the spray tank outlet, or have two (or more) filters directly after each other anywhere in the system.

Begin to fill spray tank with clean water and engage agitator. Agitation must be continued throughout the entire mixing and spraying procedure.

When the sprayer is half full of water, add KELPIE® TRALK-D 400 WG HERBICIDE slowly to the spray tank through the tank opening or through a hopper designed to handle granules. The hopper should be dry before adding KELPIE® TRALK-D 400 WG HERBICIDE granules.

- DO NOT permit KELPIE® TRALK-D 400 WG HERBICIDE
- Add the total required amount of KELPIE® TRALK-D 400 WG HERBICIDE from all bags first, prior to adding other herbicides or adjuvant
- Wait at least one minute after the last of the KELPIE® TRALK-D 400 WG HERBICIDE has been added to the tank to allow complete dispersion of the granules.
- Add the recommended broadleaf weed herbicide or insecticide next if tank mixing.
- Slowly add adjuvant to the tank last, in at least 10 times its volume of water, especially where a suction (filling) probe or hopper is used.
- Continue to fill tank to desired level with water.

Application

Ground Equipment

Apply in a spray volume of 50-150 litres of water per hectare at a pressure of 250-350 kPa to ensure proper dispersion and spraying characteristics of the KELPIE® TRALK-D 400 WG HERBICIDE spray mix.

Use flat fan nozzles such as Spraying Systems 110-01, 110-015, 110-02 or equivalent sizes from other manufacturers.

Do not use 110-03 or bigger nozzles with KELPIE® TRALK-D 400 WG HERBICIDE. Do not use floodjet nozzles, boomless jets or misters or controlled droplet application equipment.

Nozzles may be angled forward 45° to enhance penetration of the crop and provide better coverage.

Always ensure that agitation is continued until spraying is completed even if stopped for brief periods of time. If the agitation is stopped for more than 5 minutes, re-suspend the spray solution by running on full agitation until the settled particles are fully re-suspended, prior to spraying. The spray mixtures of KELPIE® TRALK-D 400 WG HERBICIDE and adjuvant may be left overnight without loss of efficacy provided the settled product is completely re-suspended by stirring and/or agitation prior to re-use.

Aerial Equipment

Apply through boom or Micronair in 20-30 litres of water per hectare. The use of the higher volume is preferred due to more reliable results. Droplet size should be 200-250 microns (VMD) and swath width should not be wider than recommended for type of plane and application unit. Weed control following aerial application may not be as good as from ground application.

Crop Safety

If KELPIE® TRALK-D 400 WG HERBICIDE is applied to stressed crops or treatment is followed by stress, or if crop plants have less than 2 true leaves (Z12), yellowing or growth retardation may occur. Crops normally recover without loss in yield. Avoid double spraying (overlap).

Plantback Periods

Do not plant sorghum, maize or rice for a period of four weeks after application of KELPIE® TRALK-D 400 WG HERBICIDE. Allow at least 10 days between application of KELPIE® TRALK-D 400 WG HERBICIDE and any other herbicide, except Metsulfuron-Methyl 600 WG for which the interval should be 14 days after KELPIE® TRALK-D 400 WG HERBICIDE. Allow at least 10 days between application of KELPIE® TRALK-D 400 WG HERBICIDE and any fertiliser treatment.

RESISTANT WEEDS WARNING

GROUP	A	HERBICIDE
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KELPIE® TRALK-D 400 WG HERBICIDE is a member of the cyclohexanedioneS group of herbicides. KELPIE® TRALK-D 400 WG HERBICIDE has the inhibition of acetyl-coA carboxylase mode of action.

For weed resistance management, KELPIE® TRALK-D 400 WG HERBICIDE is a Group A herbicide.

Some naturally occurring weed biotypes resistant to KELPIE® TRALK-D 400 WG HERBICIDE and other Group A 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® TRALK-D 400 WG HERBICIDE or other Group A herbicides.

Since the occurrence of resistant weeds is difficult to detect prior to use, Sinochem Australia accepts no liability for any losses that may result from the failure of this product to control resistant weeds.

COMPATIBILITY

For broadleaved weed control, KELPIE® TRALK-D 400 WG HERBICIDE may be mixed as below.

State	KELPIE® TRALK-D 400 WG HERBICIDE (g/ha)	Co-herbicide	Rate
Qld, NSW, Vic, SA only	380-500 g	Bromoxynil 200 Herbicide, MCPA (as 2-ethyl hexyl ester) 200 EC Herbicide	1.0-1.4 L/ha
	380-500 g	MCPA (as 2-ethyl hexyl ester) 500 EC Herbicide	0.5/1.0 L/ha
	380-500 g	Tigrex® Selective Herbicide (mixture may cause temporary chlorosis)	0.8 L/ha
	380-500 g	Clopyralid (as triisopropylamine salt) 300 AC Herbicide	0.3 L/ha
WA only	380 g	Bromoxynil 200 Herbicide, MCPA (as 2-ethyl hexyl ester) 200 EC Herbicide	1.0 L/ha
	380 g	MCPA (as 2-ethyl hexyl ester) 500 EC Herbicide *Note restriction on Kulin	0.5* L/ha
	380 g	Tigrex® Selective Herbicide (mixture may cause temporary chlorosis)	0.8 L/ha
	380 g	Clopyralid (as triisopropylamine salt) 300 AC Herbicide	0.3 L/ha

DO NOT mix KELPIE® TRALK-D 400 WG HERBICIDE with 2,4-D, MCPA amine, dicamba or Metsulfuron-Methyl 600 WG. Allow at least 10 days between application of KELPIE® TRALK-D 400 WG HERBICIDE and herbicides containing 2,4-D, MCPA amine, dicamba or similar actives. Allow at least 14 days between application of KELPIE® TRALK-D 400 WG HERBICIDE and Metsulfuron-Methyl 600 WG. KELPIE® TRALK-D 400 WG HERBICIDE should be applied prior to the broadleaved herbicides.

Insecticides

KELPIE® TRALK-D 400 WG HERBICIDE is compatible with 500 g/L permethrin, 100 g/L alpha-cypermethrin, 150 g/L phosmet, 250 g/L lambda-cyhalothrin and 400 g/L dimethoate.

Consult your local Sinochem Australia representative or the relevant grass herbicide manufacturer for advice on application and timing of tank mixtures. As formulations of other manufacturers' products are beyond the control of Sinochem Australia, all mixtures should be tested prior to mixing commercial quantities.

PROTECTION OF CROPS, NATIVE AND OTHER NON-TARGET PLANTS

DO NOT apply under weather conditions or from spraying equipment which may cause spray drift onto nearby susceptible plants/crops, cropping lands or pastures.

PROTECTION OF WILDLIFE, FISH, CRUSTACEANS AND ENVIRONMENT

Moderately hazardous to fish. DO NOT contaminate streams, rivers or waterways with the chemical or used container.

STORAGE AND DISPOSAL

Store in the closed, original container in a cool, well-ventilated area. DO NOT store for prolonged periods in direct sunlight.

Single-rinse or shake remainder into spray tank. DO NOT dispose of undiluted chemicals on site.

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 for product.

SAFETY DIRECTIONS

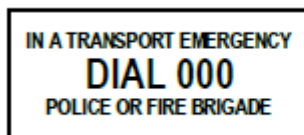
Harmful if swallowed. Will irritate the eyes. If product in eyes, wash it out immediately with water. When preparing spray, wear face shield or goggles. Wash hands after use. After each day's use, wash face shield or goggles.

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.**



Obtain special instructions before use. Do not handle until all safety precautions have been read and understood.

Suspected of causing cancer.

Toxic to aquatic life with long lasting effects.

If exposed or concerned: Get medical advice/attention.

Store locked up.

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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