

### **DIRECTIONS FOR USE** RESTRAINTS

- DO NOT apply if crop or weeds are stressed due to dry or excessively moist conditions.
- DO NOT apply to crops under stress due to disease or insect damage.
- DO NOT apply to frost-affected crops or if frosts are imminent. DO NOT apply if heavy rain is expected within 4 hours.
- DO NOT apply with crop oils (cereals only).

CROP	WEEDS CONTROLLED	WEED STAGE	RATE	STATE	CRITICAL COMMENTS
Wheat, Barley, Triticale, Cereal rye (including undersown with clover and/or lucerne), and these cover crops in vineyards	Wild radish	Up to 2 leaf stage and not more than 60mm in diameter and where weed density is less than 50 plants/m <sup>2</sup>	350mL/ha	WA only	CROP STAGE: Cereals 2 leaf to fully tillered (Z12-29) Optimum results are achieved when sprayed at 4-8 weeks post-sowing.  Warning: MEERKAT may cause transient crop yellowing of cereals. (Refer to "Crop Tolerance" section of General Instructions).
Pasture Clover and/or Lucerne based pasture (newly sown	Wild mustard, Wild radish	Up to 4 leaf stage and not more than 120mm in diameter	500mL/ha	All States	Clover and lucerne Application is recommended prior to the 8th trifoliate
or established) including cover crops		Up to 6 leaf stage and not more than 150mm in diameter	750mL/ha		leaf stage.  Application can be made from the 1st trifoliate leaf stage in Qld, NSW, ACT and Vic only.  In other States applications prior to the 3 leaf stage may result in crop damage if seedlings are under stress and in sandy soils.
in vineyards		Up to 8 leaf stage and not more than 180mm in diameter	1.0L/ha		
	Canola (rapeseed), Charlock, Turnip weed,	Up to 2 leaf stage and not more than 60mm in diameter	500mL/ha		
	Wild turnip	Up to 4 leaf stage and not	750mL/ha	_	DO NOT apply to annual medics.
	Shepherd's purse	more than 120mm in diameter	1.0L/ha	_	Warning: MEERKAT may affect growth and seed set of some varieties of clover and lucerne. (Refer to "Crop Tolerance" section of General Instructions).  COVER CROPS IN VINEYARDS: When using in vineyard situations, apply during vine dormancy only. Contact with vines must
	Capeweed	Up to 4 leaf stage and not more than 120mm in diameter	500mL/ha		
		Up to 6 leaf stage and not more than 150mm in diameter	750mL/ha		
		Up to 8 leaf stage and not more than 180mm in diameter	1.0L/ha		
	Corn gromwell	Up to 4 leaf stage	500mL/ha	1	be avoided. Particular care should be taken if
		Up to 6 leaf stage	750mL/ha	]	applied in late Autumn or early Spring, when vines may not be fully dormant.
	Climbing buckwheat	Up to 2 leaf stage	500mL/ha	]	Vines may not be rany definant.
		Up to 4 leaf stage	750mL/ha		WEED STAGE:
		Up to 6 leaf stage	1.0L/ha		Apply from early post-emergence.
	Deadnettle, Paterson's curse (Salvation Jane), Rough poppy, Amsinckia	Up to 2 leaf stage	500mL/ha		
		Up to 4 leaf stage	750mL/ha		
	Doublegee (Spiny emex)	Up to 2 leaf stage	500mL/ha	Qld, NSW, ACT, Vic, Tas, WA only	APPLICATION: Apply when weeds are actively growing. Ensure thorough coverage of weeds. Where crop or weed density is high, increase water volume.  In most situations the rate specified for each weed size will give satisfactory control. However, under certain conditions such as:  • high crop and weed density, • late season germinations, • abnormal weed growth (including early flowering); higher rates of product (up to the maximum rate of application specified for that weed) may be required.
		Up to 4 leaf stage	750mL/ha	All States	
	Chamomile, Common peppercress, Lesser swinecress, Purple calandrinia (Mountain sorrel), Tree hogweed		1.1L/ha		

CROP	WEEDS CONTROLLED	WEED STAGE	RATE	STATE	CRITICAL COMMENTS
Wheat, Barley, Triticale, Cereal rye (including undersown	Fat hen, Field madder, Saffron thistle, Variegated thistle	Up to 4 leaf stage	1.0L/ha	All States	MEERKAT will not effectively control:  regrowth of suppressed weeds,  transplanted weeds,
with	Ox-tongue, Wireweed	Up to 2 leaf stage			<ul> <li>regrowth from rhizomes or roots,</li> </ul>
clover and/or lucerne), and these <b>cover</b> <b>crops in vineyards</b>	Fireweed	Up to 4 leaf stage	500mL/ha	Qld, NSW, ACT, Vic, SA, WA, NT only	weeds growing under stress from previous herbicide applications.     radish plants beyond rosette stage
Pasture Clover and/or	Common cotula (Bird's	Up to 4 leaf stage	560mL/ha	SA only	WILD RADISH:
Lucerne based pasture (newly sown or established) including cover crops in vineyards (Continued)	eye) Pheasant's eye (Adonis)	Greater than 4 leaf stage	1.1L/ha		Effective residual activity of this product may be reduced where:  rates lower than 1.0L/ha are used;  dry conditions prevail;  poor coverage of the soil surface is achieved;  crop is grown in non-wetting sand;
Wheat, Barley, Triticale, Cereal rye	Fumitory	2-6 leaf stage	350mL/ha + 200mL/ha Terbutryn (500g/L)	WA only	soils have a high content of clay or organic matter.  VOLUNTEER LUPINS: In some situations, the higher rate of 1.0L/ha may be required to effectively suppress volunteer lupins at
Wheat, Barley,	Suppression of the follo	wing Weeds			the 4 leaf stage.
Triticale, Cereal rye (including undersown	Dense-flower fumitory	Up to 2 leaf stage	750mL/ha	All States	-
with Clover and/or		Up to 4 leaf stage	1.0L/ha		
Lucerne), and these cover crops in vineyards  Pasture Clover and/or lucerne based pasture (newly sown or established) including cover crops in vineyards	Chickweed, Common sowthistle (Milk thistle), Dock', Hexham scent (King Island melilot), Prickly lettuce, Scarlet pimpernel, Skeleton weed, Sorrel, Speedwell, Three horned bedstraw, Toad rush				1.MEERKAT will suppress seedling dock but will not suppress regrowth from transplanted roots.
ili vilicyalus	Volunteer lupins		500mL- 1.0L/ha		
	Crassula (stonecrop)	Up to 5 leaf stage	500mL/ha		
	Long storksbill	Up to 4 leaf stage			
	Volunteer field peas	Up to 5 node stage	750mL/ha		
	Ward's weed	Up to 5 leaf stage	1.0L/ha		
	Mouse eared chickweed	Up to 2 leaf stage		NSW & ACT only	
	Mexican poppy	Up to 4 loof stage	1 01 /ha	Qld only	
	Mintweed, Spoon cudweed	Up to 4 leaf stage	1.0L/ha	NSW & ACT only	
	New Zealand spinach	Up to 2 leaf stage	750mL/ha	Qld only	
	Cleavers	Up to 1 whorl stage	1.0L/ha	SA only	
	Ball mustard	Up to 4 leaf stage			
	Horehound	Pre-emergence			
	Marshmallow	Up to 2 leaf stage			
Wheat, Barley, Triticale, Cereal rye	Wild radish	Up to the 4 leaf stage and not more than 120mm in diameter	350mL/ha plus 200mL/ha Farmalinx LVE MCPA (500g/L)	WA only	Refer also to all Critical Comments for Cereals. DO NOT use this tank-mix if cereals are undersown with lucerne or annual medics. DO NOT use this tank-mix in vineyards Crop Stage MEERKAT 350mL+ Farmalinx LVE MCPA 200mL:
		Up to the 6 leaf stage and not more than 150mm in diameter	500mL/ha plus 200mL/ha Farmalinx LVE MCPA (500g/L)		Apply from 3 leaf to fully tillered (Z13-30). MEERKAT 500mL+ Farmalinx LVE MCPA 200mL: Apply from 3 leaf to fully tillered (Z13-30). MEERKAT 500mL + Farmalinx LVE MCPA 400mL: Apply from 5 leaf stage to fully tillered (Z15-30). Obtimum results are achieved when sprayed at 4-8
		Up to the 8 leaf stage and not more than 180 mm in diameter	500mL/ha plus 400mL/ha Farmalinx LVE MCPA (500g/L)		weeks post sowing. Warning: MEERKAT may cause transient crop yellowing of cereals. (Refer to "Crop Tolerance" section of General Instructions). Observe instructions also on Farmalinx LVE MCPA product label.

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

WITHHOLDING PERIOD HARVEST

CEREALS, GRAPES: NOT REQUIRED WHEN USED AS DIRECTED GRAZING PASTURE, CEREALS: DO NOT GRAZE OR CUT FOR STOCK FOOD WITHIN 8 WEEKS AFTER APPLICATION.

**WEEDS LIST** 

WEED (Common name)	(Scientific name)	WE
Amsinckia	Amsinckia spp.	Mo
Ball mustard	Neslia paniculata	Ne
Canola (rapeseed)	Brassica napus	0x-
Capeweed	Arctotheca calendula	Pat
Chamomile	Matricaria matricarioides	Pho
Charlock	Sinapis arvensis	Pri
Chickweed	Stellaria media	Pui
Cleavers	Galium aparine	Ro
Climbing buckwheat	Fallopia convolvulus	Sat
Common cotula (bird's eye)	Cotula australis	Sca
Common peppercress	Lepidium africanum	Sh
Common sowthistle (milk thistle)	Sonchus oleraceus	Sk
Corn gromwell	Buglossoides arvense	Soi
Crassula (stonecrop)	Crassula spp.	Sp
Deadnettle	Lamium amplexicaule	Sp
Dense-flower fumitory	Fumaria densiflora	Thi
Dock	Rumex spp.	Toa
Doublegee (spiny emex)	Emex australis	Tre
Fat hen	Chenopodium album	Tur
Field madder	Sherardia arvensis	Var
Fireweed	Senecio spp.	Vet
Fumitory	Fumaria spp.	Vol
Hexham scent (King Island melilot)	Melilotus indicus	Vol
Horehound	Marubium vulgare	Wa
Lesser swinecress	Coronopus didymus	Wil
Long storksbill	Erodium botrys	Wil
Marshmallow	Malva parviflora	Wil
Mexican poppy	Argemone ochroleuca	Wii
Mintweed	Salvia reflexa	

WEED (Common name)	(Scientific name)
Mouse eared chickweed	Cerastium glomeratum
New Zealand spinach	Tetragonia tetragonoides
Ox-tongue	Picris echioides
Paterson's curse (Salvation Jane)	Echium plantagineum
Pheasant's eye (adonis)	Adonis dentatus
Prickly lettuce	Lactuca serriola
Purple calandrinia (mountain sorrel)	Calandrinia menziesii
Rough poppy	Papaver hybridum
Saffron thistle	Carthamus lanatus
Scarlet pimpernel	Anagallis arvensis
Shepherd's purse	Capsella bursa-pastoris
Skeleton weed	Chondrilla juncea
Sorrel	Rumex acetosella
Speedwell	Veronica spp.
Spoon cudweed	Stuartina muelleri
Three horned bedstraw	Galium tricornutum
Toad rush	Juncus bufonius
Tree hogweed	Polygonum patulum
Turnip weed	Rapistrum rugosum
Variegated thistle	Silybum marianum
Vetch	Vicia sativa
Volunteer field peas	Pisum sativum
Volunteer lupins	Lupinus angustifolius
Ward's weed	Carrichtera annua
Wild mustard	Sisymbrium spp.
Wild radish	Raphanus raphanistrum
Wild turnip	Brassica tournefortii
Wireweed	Polygonum aviculare

### GENERAL INSTRUCTIONS

- residual control of wild radish up to 4 weeks after application.
- stand in the spray tank overnight.
- after application and weeds are not stressed.
- Some pre-emergence herbicides, such as atrazine, can cause stress the failure of MEERKAT to control resistant weeds. to certain crops resulting in an increase in crop damage when using this product. Crops which are particularly sensitive are lucerne and **TEMPERATURE WARNING** subterranean clover.

# RESISTANT WEEDS WARNING

Farmalinx MEERKAT Herbicide GROUP CF HERBICIDE is a member of the nitrile and photosynthesis at photosystem II and carotenoid biosynthesis. For weed as increased crop damage may result. resistance management, MEERKAT is a Group C, F herbicide. Some

naturally occurring weed biotypes resistant to MEERKAT and other Group • This product is a post-emergence contact herbicide, which may provide C, F herbicides may exist through normal genetic variability in any weed population. The resistant individuals can eventually dominate the weed Apply MEERKAT Herbicide immediately after mixing. DO NOT allow to population if these herbicides are used repeatedly. These resistant weeds will not be controlled by MEERKAT or other Group C, F herbicides. Since Optimum results will be obtained if good soil moisture exists at and the occurrence of resistant weeds is difficult to detect prior to use, Farmalinx Pty Ltd accepts no liability for any losses that may result from

DO NOT apply MEERKAT if frosts are imminent. Frost causes stress on crops and weeds and could result in increased crop effects and/or decreased weed control. To ensure good results MEERKAT should only be applied once the weeds and crop are no longer under stress from the frost conditions. Avoid application when maximum daily temperatures nicotinanilide groups of herbicides. MEERKAT is an inhibitor of above 20°C occur, or are likely to occur for a few days after application,



CONTINUED OVERLEAF

After application some transient crop yellowing may occur. This usually appears as yellow or white banding on leaves. Provided the crop is not under stress from pre-emergent herbicide, root disease, insect damage, frost, dry or excessively moist conditions, the development of the crop and Kyambro, Lupers and Maral (Persian). Care should be exercised if these subsequent growth will be unaffected.

# Lucerne

# Warning

The tolerance of lucerne varieties to MEERKAT can vary with rate of application, soil type, crop health, stage of growth and degree of moisture **Subsequent Crops** and temperature stress. MEERKAT may result in transient crop yellowing To reduce effect on subsequent susceptible crops (e.g. canola), ensure and suppression of growth with a resultant initial reduction in dry matter. For this reason we recommend application prior to the 8 trifoliate leaf stage. However, under normal growing conditions subsequent growth and **MIXING** seed yield should not be affected. Crop damage may be increased if rates higher than 500mL/ha are used and in areas where spray overlapping has occurred. Under normal growing conditions, the following lucerne spray operations. Reseal part-used container immediately after use. varieties have shown acceptable levels of foliage tolerance to MEERKAT applied at 500mL/ha: Hunter River, Nova and Dekalb 185, Varieties not APPLICATION listed should be tested before using MEERKAT over large areas. Consult **Boom Sprayer** your local Farmalinx representative for advice on specific varieties.

### Subterranean clover

### Warning

rate of application, soil type, crop health, stage of growth and degree ensure faster activity of the product on the weeds but may increase the of moisture and temperature stress. MEERKAT may result in transient symptoms of crop damage. The following settings are examples which crop yellowing and suppression of growth with an initial reduction in dry will ensure excellent coverage of exposed weeds: matter. For this reason we recommend application prior to the 8 trifoliate leaf stage. However, under normal growing conditions subsequent growth and seed yield should not be affected. Crop damage may be increased if rates higher than 500mL/ha are used and in areas where spray overlapping has occurred. Under normal growing conditions, the following varieties have shown acceptable levels of foliage tolerance to MEERKAT applied at 500mL/ha: Daliak, Dalkeith, Denmark, Goulburn, Karridale, Leura, Mt. Barker, Nungarin, Rosedale, Seaton Park, Trikkala and Woogenellup. The variety Junee has shown increased sensitivity to MEERKAT so care should be taken if this variety is part of the pasture sward. The effects of MEERKAT on subterranean clover seed yield have been tested on the following varieties. Under normal growing conditions they show acceptable levels of tolerance to MEERKAT applied at 500mL/ ha. However, higher rates may reduce seed yield under conditions of low weed pressure: Denmark, Goulburn, Larissa, Nungarin, Seaton Park, Trikkala and Woogenellup. Varieties not listed should be tested before using MEERKAT over large areas. Consult your local Farmalinx representative for advice on specific varieties.

### Other Clovers

### Warning

The tolerance of clover varieties to MEERKAT can vary with rate of application, soil type, crop health, stage of growth and degree of moisture and temperature stress. MEERKAT may result in transient crop yellowing and suppression of growth with a resultant initial reduction in dry matter. For this reason we recommend application prior to the 8 trifoliate leaf stage. However, under normal growing conditions subsequent growth and seed yield should not be affected. Crop damage may be increased if rates

higher than 500mL/ha are used and in areas where spray overlapping has occurred. The effect on seed yield of other clovers has not been

The following varieties of clover have shown increased sensitivity to MEERKAT: Big Bee, Sacromonte (Berseem), Haifa (White), Zulu (Arrowleaf), clovers are part of the pasture sward. Varieties not listed should be tested before using MEERKAT over large areas. Consult your local Farmalinx representative for advice on specific varieties.

thorough cultivation of soil prior to the sowing of these crops.

To ensure even mixing, half fill the spray tank with clean water and add the required amount of product. Agitate thoroughly while carrying out

A minimum of 50L water/ha should be used, however, for optimum results, water rates of 70-100L/ha are recommended. Increase the water volume where weed infestation is heavy or the crop cover is dense. Complete The tolerance of subterranean clover varieties to MEERKAT can vary with coverage of weeds is essential. Higher water volumes (up to 100L/ha) will

WATER RATE	50L/ha	75L/ha	75L/ha
Nozzle	Hardi No. 10 or equivalent		Hardi No. 14 or equivalent
Speed	10km/h	10km/h	12km/h
Pressure	240kPa (2.4 bar)	220kPa (2.2 bar)	210kPa (2.1 bar)

# Controlled Droplet Application (CDA)

Insufficient information is available to recommend the application of this product by CDA.

The rubber components present in some spraying units may be affected by exposure to the solvents in MEERKAT. To reduce this risk it is recommended that the spray unit be thoroughly washed with a boom cleaner and fresh water after use.

Insufficient information is available to recommend the application of this product by air.

### COMPATIBILITY

The following herbicide products are physically compatible with MEERKAT as two-way mixtures in the spray tank, but should only be used for the crops specified, and only when the crop is also specified on the label of the compatible product: (See below for list of compatible insecticides.)

Wheat, triticale, cereal rye (including undersown) Up to 750mL/ha Dimop 500 (barley also), Tristar\* Advance (barley also), Puma\* Progress (wild oats only, high rate), Wildcat\* 110 EC (wild oats only, high rate) Wheat, barley, triticale, cereal rye (including undersown) All rates Broadstrike Metfuron, Tufman, Farmalinx LVE MCPA (500g/L product) (up to 500 mL/ha only) Wheat, barley, triticale, cereal rye (not undersown) Up to 500mL/ha All rates Amicide® 625, Eclipse\*, Cadence\* (up to 115g only), Clop Wildman 240 EC Wheat only (not undersown) Established lucerne only Up to 750mL/ha Simazine (500g/L product) (up to 1.25L/ha only) and simazine (500g/L)

Progress or Tristar\* Advance some reduction in the efficacy and speed of with the chemical or used containers. action of these products may occur.

When mixing with Quiz or Fusilade\* some reduction in the efficacy and STORAGE AND DISPOSAL speed of action of these products and MEERKAT may occur. In tank- (5L, 20L only) mixtures with Metfuron and Tufman, rates of MEERKAT higher than Store in the closed, original container in a cool, well-ventilated area out 500mL/ha may cause significant crop damage.

may be evident in some crops after application.

to lucerne which is not actively growing. This mixture may result in an approved waste management facility. If an approved waste management increased crop effect but this can be reduced if the lucerne is grazed or facility is not available bury the empty packaging 500mm below the cut before spraying

DO NOT mix MEERKAT with Verdict\*/Asset®.

Growers should seek advice before spraying recently released cereal

This product may be mixed in the spray tank with one of the following insecticides according to the directions for the insecticide product: Store the original sealed Envirodrum in a cool well-ventilated area. Chlorpyrifos (500g/L product), Decis Options\*, dimethoate, Alphacyper, DO NOT store for prolonged periods in direct sunlight. DO NOT tamper Lemat\* 290 SL and Bifentin, Nufarm Endosulfan 350 SC.

If another herbicide is applied as a tank mix, observe the plantback accordingly. When the contents of the Envirodrum have been used, please restrictions on that label.

### Warning

DO NOT use crop oils with MEERKAT or MEERKAT tank mixtures in Refillable containers (1000L only) commercial quantities.

# 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. Wash sprayer thoroughly after use.

# MEERKAT **Compatible Product** /Parquat (250g/L) mixture Newly sown and established lucerne and clover only Up to 750mL/ha Quiz. Fusilade\*. Buttress® Up to 1.0L/ha Flumetsulam

### When mixing MEERKAT with other herbicides, crop yellowing may PROTECTION OF WILDLIFE, FISH, CRUSTACEANS AND ENVIRONMENT be enhanced. When mixing with Dimop 500, Wildcat\* 110 EC, Puma\* Dangerous to fish. DO NOT contaminate streams, rivers or waterways

of direct sunlight. Triple or preferably pressure rinse containers before If the crop is stressed, the application of the herbicide tank-mixtures may disposal. Add rinsings to spray tank, DO NOT dispose of undiluted cause vield reduction. When mixing with Cadence\* a temporary wilting chemicals on site. If recycling, replace cap and return clean containers to recycler or designated collection point. If not recycling, break, crush, The mixture of MEERKAT and simazine should be applied during Winter or puncture and deliver empty packaging for appropriate disposal to an 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.

### Envirodrum 110L Mini Bulk Returnable Container

with the Micro Matic valve or the security seal. DO NOT contaminate Use the recommended rates for MEERKAT and its tankmix partner as the Envirodrum with water or any foreign matter. After each use of the well as the surfactant recommendation of the tank-mix partner. Read the product, please ensure that the Micro Matic coupler, delivery system label of the tank-mix partner before mixing and using the tank mixture. and hoses are disconnected, triple rinsed with clean water and drained return the empty Envirodrum to the point of purchase. The Envirodrum remains the property of Farmalinx Ptv Ltd.

cereals. As formulations of other manufacturers' products are beyond the Store in the closed, original container in a cool, well-ventilated area away control of Farmalinx Pty Ltd, all mixtures should be tested prior to mixing from children, animals, food, feedstuffs, seed and fertilizers. DO NOT store for prolonged periods in direct sunlight. Empty contents fully into application equipment. Close all valves and return to point of supply for refill or storage.

# SAFETY DIRECTIONS

Product is harmful if inhaled or swallowed. Will irritate eyes, nose, throat and skin. Avoid inhaling spray mist. When preparing spray wear elbow length PVC gloves and face-shield. If product in eyes, wash it out immediately with water. After use and before eating, drinking or smoking, wash hands, arms and face thoroughly with soap and water. After each day's use wash gloves, face shield and contaminated clothing.

### FIRST AID

If poisoning occurs, contact a doctor or Poisons Information Centre (Phone Australia 13 11 26). If swallowed, DO NOT induce vomiting. Give a glass of water. If in eyes, hold eyes open, flood with water for at least 15 minutes and see a doctor.

### SAFETY DATA SHEET

Additional information is listed in the safety data sheet (SDS). A safety data sheet for FARMALINX MEERKAT Herbicide is available from FARMALINX Ptv Ltd on request, Call Customer Service on 02 9389 2455.

Seller warrants that the product conforms to its chemical description and is reasonably fit for the purposes stated on the label when used in accordance with directions under normal conditions of use.

No warranty ( other than non-excludable statutory warranties ) of merchantability or fitness for a particular purpose, express or implied, extends to the use of product contrary to label instructions, or under off-label permits not endorsed by Farmalinx Pty Ltd or under abnormal conditions. FARMALINX Pty Ltd accepts no liability for any loss or damage arising from incorrect storage, handling or use.

\* Other Registered trademarks

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