

DANGEROUS POISON

KEEP OUT OF REACH OF CHILDREN

CAN KILL IF SWALLOWED

DO NOT PUT IN DRINK BOTTLES

KEEP LOCKED UP

READ SAFETY DIRECTIONS BEFORE OPENING OR USING

TITAN

PARAQUAT 250

HERBICIDE

ACTIVE CONSTITUENT: 250g/L PARAQUAT present as PARAQUAT DICHLORIDE

GROUP **22** HERBICIDE

For the control of a wide range of grasses and broadleaf weeds as specified in the Directions for Use table.

FOR USE ONLY AS AN AGRICULTURAL AND HORTICULTURAL HERBICIDE.

THIS PRODUCT IS TOO HAZARDOUS TO BE USED IN THE HOME GARDEN.

APVMA Approval No.: 61869/139390

Pack Size: 20L, 110L, 200L, 1000L



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IN A TRANSPORT EMERGENCY

DIAL 000

POLICE OR FIRE BRIGADE



UN 3016
BIPYRIDILIUM PESTICIDE, LIQUID,
TOXIC (Paraquat (present as paraquat
dichloride)), ENVIRONMENTALLY
HAZARDOUS PG: III HAZCHEM: 2X

DIRECTIONS FOR USE

Restraints:

DO NOT add wetter unless spraying at high volume. Where TITAN Paraquat 250 Herbicide is mixed with water at less than 400mL/100L of water, add 100mL TITAN Wetter 1000 Wetting Agent per 100L of spray.

DO NOT spray plants which are waterlogged, under stress of any kind or covered with soil or dust.

DO NOT spray plants covered with heavy dew, but rain following spraying will not affect results.

DO NOT sow or cultivate for 1 hour after spraying but operations should commence within 7 days.

For Ground Application only: DO NOT use through aircraft, misting machines or hand-held ultra low volume controlled droplet applications (CDA units), back-mounted equipment or other hand-held, manually pumped equipment.

SPRAY DRIFT RESTRAINTS

Specific definitions for terms used in this section of the label can be found at www.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. 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.

Section 1. PRIOR TO SOWING/FALLOWS				
CROP OR SITUATION	WEEDS CONTROLLED	STATE	RATE/ha	CRITICAL COMMENTS
Aid to cultivation to minimise cultivation and prepare a clean bed for sowing	Annual grass and broadleaf weed control, early autumn sowing	QLD, NSW, ACT, VIC, TAS, SA, NT only	1.2 to 1.6L ¹	Where cultivation follows spraying, it may commence one hour after spraying but should be completed within 7 days. Where heavy weed growth is present at spraying a better seedbed will result if cultivation is delayed 3-5 days.
	Winter, spring and early summer sowing		1.6 to 2.4L	Use the higher rates for dense, more mature weed stands. Wild Oats must have at least 2 leaves. Where Reglone* is used the lower TITAN Paraquat 250 Herbicide rate should be sufficient to control dense mature weeds.
	Wild Oats at 2-5 leaf stage in autumn/winter	QLD, VIC, TAS, SA, NT only	600 to 800mL	Pasture: Remains of old pasture should be reduced by continuous heavy grazing. Remove stock 3-5 days before spraying to allow to freshen up.
		NSW, ACT only	600mL	
Rice	Annual grass and broadleaf weed control	QLD, NSW, NT, only	1.6L	Pre-sowing.
			800mL	Post-sowing, pre-crop emergence.
Wild Oat control in Spring Fallows	Wild Oats at 2-5 leaf stage	QLD, NSW, NT, ACT only	1.2 to 2L	Use higher rate for summer growth. Avoid spraying under hot, dry conditions. Best results will be obtained when spraying is carried out in the late evening.
Kikuyu/Paspalum Pasture	To suppress growth to oversow winter seed	QLD, NSW, ACT only	1.6 or 2.4L	Use the high rate for February spraying and the low rate in March.
Selective Weed Control Autumn/early winter Annual Clovers and Perennial Clovers	Annual grass and some broadleaf weed control except Paterson's Curse, Sorrel, Dock, Shepherd's Purse and some thistles	ALL STATES	600mL to 1.2L	Use the higher rate for dense weed stands.
			1.2 to 1.6L ¹	
Late winter/early spring Annual Clovers, Perennial Clovers, Cocksfoot, Perennial Ryegrass, Phalaris, Demeter Fescue only	For control of these weeds alternative methods such as the spray-graze technique with 2,4-D or MCPA should be considered	QLD, NSW, ACT, VIC, TAS, SA, NT only	1.6 to 2.4L ¹	Use the higher rate in winter/early spring when Barley Grass is present. All Applications: Graze pastures continuously after the seasonal break to a height of 2 to 4cm. Remove stock 2 to 3 days before spraying to allow weeds to freshen up. DO NOT apply until Clover has reached the 6 leaf stage. Mixed pastures will be scorched initially but should show good recovery and beneficial changes in composition following spring rainfall and growth. DO NOT spray clovers which are affected by insect attack, disease or moisture stress and DO NOT use on clover pastures growing in water repellent sands or other situations subject to moisture stress at or immediately following treatment otherwise poor recovery of the clover may result. Use the lower rate for Cocksfoot and Perennial Ryegrass and the higher rate for Phalaris and Demeter Fescue. The perennial grasses must be at least 12 months old at spraying. DO NOT APPLY TO MEDICS.
	Yorkshire Fog Grass		1.2L	Apply in early spring to reduce Yorkshire Fog Grass component and increase the clover and desirable grass component. Mixed pastures will be scorched initially but should show good recovery and beneficial changes in composition following spring rainfall and growth. In lower rainfall areas application in mid to late winter may be almost as effective but allow better pasture recovery. If pasture has been grazed allow sufficient time for pasture and Fog Grass recovery before spraying. Apply in spray volumes of 100 to 250L/ha, the latter for dense or tall, ungrazed pastures. Add Agral at 200mL/100L or TITAN Wetter 1000 Wetting Agent at 120mL/100L.

CROP OR SITUATION	WEEDS CONTROLLED	STATE	RATE/ha	CRITICAL COMMENTS
Lucerne Autumn/early winter Late winter/ early spring	Annual grass and some broadleaf weeds	QLD, VIC, TAS, SA, WA, NT only	1.2 to 1.6L ¹	Use the higher rates for dense weed stands. DO NOT spray lucerne stands under 12 months old. For residual weed control or if Paterson's Curse, Shepherd's Purse and some other broadleaf weeds are present, add TITAN Diuron 900WG Herbicide at 1.1kg or 1.9kg. If Mintweed is present use TITAN Diuron 900WG Herbicide at 600g/ha. Warning: In certain areas, an uncommon species of Barley Grass (<i>H. glaucum</i> - common, Barley Grass is <i>H. leporinum</i>) resistant to paraquat based products has become established. It may regrow after an initial scorch by TITAN Paraquat 250 Herbicide. Where this problem is suspected use Fusilade* for grass weed control. If TITAN Paraquat 250 Herbicide has been applied use Fusilade at 1L/ha after regrowth but before heading.
		NSW only	1.2L	
		QLD, VIC, TAS, SA, WA, NT only	1.6 to 2.4L ¹	
		NSW, ACT only	1.2L ¹	
Perennial grass seed crops Cocksfoot, Perennial Ryegrass, Phalaris, Demeter Fescue only	Annual grass and some broadleaf weeds	ALL STATES	600mL to 1.2L ¹	Use the low rate for Cocksfoot and Perennial Ryegrass and the higher rate for Phalaris and Demeter Fescue. Spray about 4 weeks after a full weed germination following the autumn break. The perennial grasses must be at least 12 months old at spraying.
Spray topping to reduce seed set Chickpeas, Faba Beans, Field Peas, Lentils, Lupins, Vetch	Annual Ryegrass	ALL STATES	400 or 800mL	As an aid in managing Annual Ryegrass resistance. For use on escapes from a previous herbicide application in the current crop. Spray the crop when the Ryegrass is at the optimum stage, that is when the last Ryegrass seed heads at the bottom of the plant have emerged and the majority are at or just past flowering (with anthers present or glumes open) but before haying off is evident – usually October to November. Use of the higher rate in these crops is usually more reliable and gives a greater reduction in seed set. Reduction in crop yield may occur especially if the crop is less advanced relative to the Ryegrass, that is if crops have a majority of green immature pods. The higher rate may also increase any yield reduction. In practice crop losses in excess of 25% may occur. Apply by ground boom only in 50 to 100L/ha. Spray with a calibrated boom spray raised to give double overlap at the level of the Ryegrass seed heads. Pressures of 250 to 350kPa and use of 110015 or 02 nozzles or equivalent will aid coverage.
Spray topping to reduce seed set Pastures	Grasses generally (particularly Annual Ryegrass)	ALL STATES	400mL	Heavily graze paddocks during spring flush to encourage even head development. Remove stock 2 to 3 weeks before the anticipated maturity date of the target species. However, if this is not feasible through lack of stock it is preferable to allow the pasture to mature ungrazed. Delay spraying until the last seed heads at the bottom of the plant have emerged and initial signs of haying off appear. Spray with a calibrated boom spray raised to give double overlap at the level of the seed heads.
	Barley Grass			Manage paddocks as above. Spray after head emergence but when all seed heads are green and there is no sign of haying off. Inspect paddocks before returning stock. Provided spraying was carried out before hardening of grass seeds, stock (excepting horses) may be returned 24 hours after spraying. Where hardening seeds are present harrow to knock seed from the heads. DO NOT introduce lambs into paddock until safe from risk of seed injury. If seasonal conditions favour regeneration, stock should be returned to selectively graze new shoots. Spray with a calibrated boom spray raised to give double overlap at the level of the seed heads.
	Saffron Thistle	NSW, SA, ACT only		Spray after the plant begins to run to head until flowering.
Prevention of Annual Ryegrass toxicity	Spray top – Graze to destroy seed heads	WA only	400mL	Grazing management as for spray topping above. Remove stock 3 to 4 weeks before the anticipated maturity date. Spray must be applied within 10 days after emergence of the first Ryegrass seed heads. To ensure adequate control of toxin development, heavy continuous grazing is essential from 1 day after spraying until the pasture has completely hayed off. The required stocking rate will vary but must be sufficient to keep all regrowth after spraying completely eaten off to prevent further growth producing new seed heads which could become toxic.
Hay Freezing	Maximum retention of protein in standing dry feed	ALL STATES	800mL	Grazing paddocks as for spray topping above. Remove stock 3 to 4 weeks before the anticipated maturity date. Apply prior to commencement of haying off regardless of the grass species involved. Spray with a calibrated boom spray raised to give double overlap at the level of the seed heads.

CROP OR SITUATION	WEEDS CONTROLLED	STATE	RATE/ha	CRITICAL COMMENTS
General Weed Control – Hops	Annual grasses	VIC, TAS only	1.2 to 1.6L plus 1.1kg/ha TITAN Simazine 900 WG Herbicide and/or 750mL to 1.4L/ha Reglone ¹	Apply as a directed inter-row spray prior to crop emergence from winter dormancy, using a minimum of 250L/ha spray volume to ensure good and even coverage of weeds.
Orchards including Bananas, Vineyards	Annual weed control	QLD, VIC, TAS, SA, WA, NT only	1.6 to 3.2L/sprayed ha + 160 to 320mL/100L ^{1^} see below	Spray as necessary for control of annual weeds. Avoid contacting crop foliage. In bananas apply soon after weed emergence and before weeds reach 15cm in height. Use spraying pressure less than 240kPa. Avoid chemical contact with roots and peepers near the pseudo stem. Repeat sprays as required. TITAN Paraquat 250 Herbicide will not harm trees or vines with mature brown bark if this alone is sprayed. Use the higher rate for dense weed growth.
	Annual grass and some broadleaf weeds	NSW only	1.7L/sprayed ha	If Fat Hen <i>Chenopodium album</i> or <i>Portulaca</i> spp. are present and TITAN Paraquat 250 Herbicide rate is less than the ratio 800mL/100L, add 200mL Agral or 120mL TITAN Wetter 1000 Wetting Agent 100L of spray mix. Note: Spot spray rate assumes 1000L water/ha. For lower water volumes increase dilution rate as below: Water volume 250L/ha: use 640 to 1280mL/100L Water volume 500L/ha: use 320 to 640mL/100L Water volume 750L/ha: use 210 to 430mL/100L OR Measure how much spray is required to cover an area of 100 square metres using your normal application volume. Your dilution rate is 16 to 32mL of TITAN Paraquat 250 Herbicide in this volume.
Peanuts Post-emergence in crop	<i>Datura</i> spp. (2-4 leaf)	QLD, NT only	400mL	Spray Peanuts up to 7 to 8 leaf stage but before majority of plants are flowering. Foliage will be scorched following application but plants recover rapidly. Apply in 200 to 250L/ha for thorough coverage of weed foliage. A dense canopy of weeds may reduce weed control due to shielding. Add 100mL Agral or 60mL TITAN Wetter 1000 Wetting Agent 100L of spray mix. DO NOT spray (on peanuts) under extremely hot dry conditions when peanuts are very small. In environments such as far north Queensland use the lower rates in the range.
	Annual Ground Cherry (2-3 leaf), Apple-of-Peru (2-4 leaf), Milkweed (2-3 leaf)		600mL	
	Stagger Weed (2-3 leaf), Blue Heliotrope (2-3 leaf), Wandering Jew (2-3 leaf), Anoda Weed (2-4 leaf)		800mL	
	Bellvine (2-3 leaf), Common Morning Glory (2 leaf)		1L	
Potatoes	General weed control (in-crop)	ALL STATES	1.2 to 1.6L ¹	Spray at early crop emergence (no later than 25% emergence of potato shoots). Use the higher rate for dense weed growth.
	Pre-harvest weed control		2.8L ¹	Spray about 1 week before digging and after tops have died down.
Row Crops, Vegetables and Market Gardens	Pre-planting and pre-crop emergence		1.2 to 1.6L or 200mL/100L ^{1^}	To control weeds in seedbeds. Treat no less than three days before sowing or before crop emergence. Use the lower rate for early autumn applications.
	Post-emergence inter-row weed control			Apply after crop seedlings have emerged or when transplanted crops are established. Direct the spray so that it does not touch the crop. Use shielded nozzles or other appropriate means.
	Seedling weeds			Seedling weeds – use the lower rate for early autumn applications.
	Older weeds		2.4L or 400mL/100L ^{1^}	More mature stages of weed growth.
Sugarcane (Plant and Ratoon)	Grasses and some broadleaf weeds	QLD, NSW, NT only	Up to 5cm high 1.2 to 1.6L per sprayed ha + 1.2 to 1.6L + 275 to 500g TITAN Diuron 900 WG Herbicide Up to 10cm high 1.2 to 1.6L sprayed ha + 1kg TITAN Diuron 900 WG Herbicide	Apply as a broadcast spray over-the-top of plant cane up to the 3 to 4 leaf stage or ratoon cane up to 10cm high. Cane foliage will be scorched but new leaves will appear in 7 to 10 days.
	Enhancement with TITAN Diuron 900 WG Herbicide			When spraying cane between 3-4 leaf stage and formation of the true stem, use a directed interspace spray. The Irvin spray boom (or other similar equipment) is the most suitable to avoid excessive drift onto cane foliage while spraying at the cane bases of plant and ratoon cane. After formation of the true stem, which is resistant to TITAN Paraquat 250 Herbicide, the sprayer height can be raised to overlap the spray pattern by raising the dropper to give weed control in the stool. Use the higher rate for dense, more mature weeds. TITAN Paraquat 250 Herbicide can be mixed with TITAN Diuron 900 WG Herbicide to give residual weed control when used as a blanket or directed spray – refer to the TITAN Diuron 900 WG label for specific rates. It may also be used with TITAN Diuron 900 WG Herbicide at 2.8 to 3.9kg/ha for residual weed control. [^]

CROP OR SITUATION	WEEDS CONTROLLED	STATE	RATE/ha	CRITICAL COMMENTS
Sugarcane (Plant and Ratoon) – <i>continued</i>	Enhancement with TITAN Diuron 900 WG Herbicide and short residual control	QLD, NSW, NT only	1.6 + 2.8 to 3.9kg TITAN Diuron 900 WG Herbicide	To enhance the activity of TITAN Paraquat 250 Herbicide under favourable growing and in open, sunny conditions, add 135g to 275g/ha TITAN Diuron 900 WG Herbicide at the rates shown for weed size. TITAN Diuron 900 WG Herbicide at rates of up to 500g/ha can be blanket sprayed. Use a directed spray for higher rates of TITAN Diuron 900 WG Herbicide. Complete spray coverage is essential. For grasses and broadleaved weeds up to 5cm high, use a minimum of 250L spray solution/ha, increase to 350L/ha for weeds up to 10cm high. Use a minimum spray volume of 400L/ha for weeds greater than 10cm high and for dense mature weeds. Always add Agral at 200mL or TITAN Wetter 1000 Wetting Agent at 120mL per 100L water.
Non-Agricultural situations, around sheds, roadways, paths	Annual weed control	ALL STATES	1.6 to 4L/ha or 200mL/100L ^{1^}	Spray to thoroughly wet weed growth. TITAN Paraquat 250 Herbicide can be combined with soil residual herbicides TITAN Diuron 900WG Herbicide or TITAN Simazine 900 WG Herbicide to give rapid knockdown and prolonged weed control. Use the higher rate for dense weed growth.
	Columbus Grass	NSW only	Spot Spraying: 160mL/100L plus 1L Flupropanate 745g/L Boomspray: 2.3 to 4.5L/ha plus 12 to 22L Flupropanate 745g/L	
Firebreaks	Knock down weed growth to eliminate fire hazard or assist firebreak burn	ALL STATES	1.6 to 4L	Apply mid-winter to early summer. Use the higher rate for dense weed growth. After desiccation is complete the sprayed area may be burnt (normally 7 to 10 days after spraying).
1 If Capeweed or <i>Erodium</i> spp. are present: 200g/L Diquat formulation at 750mL to 1.5L/ha (125mL to 250mL/100L for high volume spraying). Use higher rate for plants more than 10cm diameter. [^] When applying TITAN Paraquat 250 Herbicide at rates less than the ratio 400mL/100L add 100mL Agral or 60mL TITAN Wetter 1000 Wetting Agent 100L of spray mix. Wetting Agent: (a) Add 170mL Agral or 100mL TITAN Wetter 1000 Wetting Agent 100L.				

PLEASE NOTE EXTRA WETTER REQUIREMENTS FOR HIGH VOLUME SPRAYING

Section 2. OPTICAL SPOT SPRAY TECHNOLOGIES			
Note: Calibrate the sprayer to spray the equivalent of 100L/ha. For weed cover between 0% and 30% only. If percentage weed cover exceeds 30% use approved boom spray rates.			
SITUATION	WEEDS	RATES	CRITICAL COMMENTS
Fallow	Yellow Vine (Caltrop)	3-9L/100L	Apply to rosette to flowering plants. Use higher rate on late flowering/mature plants or plants under moisture stress.
	Barnyard Grass		Use higher rate on large mature plants.
	Bladder Ketmia		
	Fleabane	6-9L/100L	Apply to rosette to flowering plants. Use higher rate on late flowering/mature plants or plants under moisture stress.
	Sowthistle		Apply to flowering plants. Use higher rate on late flowering/mature plants or plants under moisture stress.
	Turnip Weed		Use higher rate on large mature plants.
	Australian Bindweed	9L/100L	Apply from seedling to 60cm in diameter plants.
Summer Fallow	Volunteer Cotton & Ratoon Cotton (<i>Gossypium hirsutum</i>) including Roundup Ready Flex* varieties	TITAN Fluroxypyr 400 Herbicide 1L/100L followed by TITAN Paraquat 250 Herbicide 3.2L/100L	Apply at weed stage 15 to 30 nodes. For control of large Cotton plants or Ratoon Cotton a sequential application of TITAN Fluroxypyr 400 Herbicide followed by TITAN Paraquat 250 Herbicide is required for maximum control. The sequential application interval should be 7-14 days. Ensure sufficient leaf regrowth has occurred on the ratoon cotton to maximise herbicide uptake.

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

FOR USE ONLY AS AN AGRICULTURAL AND HORTICULTURAL HERBICIDE, THIS PRODUCT IS TOO HAZARDOUS TO BE USED IN THE HOME GARDEN.

WITHHOLDING PERIODS:

DO NOT GRAZE OR CUT SPRAYED VEGETATION FOR STOCK FOOD FOR AT LEAST 1 DAY, OR GRAZE HORSES FOR 7 DAYS AFTER APPLICATION.

REMOVE STOCK FROM TREATED AREAS 3 DAYS BEFORE SLAUGHTER.

CHICK PEAS, FABA BEANS, FIELD PEAS, LENTILS, LUPINS, VETCH: DO NOT HARVEST FOR 7 DAYS AFTER APPLICATION.

ALL OTHER CROPS: NOT REQUIRED WHEN USED AS DIRECTED.



GENERAL INSTRUCTIONS

This product kills annual grasses and most annual broadleaf weeds (excluding Capeweed) in specified situations and should not be used for any other purpose. Quickly kills green plant tissue on contact. Is immediately inactivated in the soil. At spraying, weeds should be growing vigorously and must not be covered with soil or heavy dew. The principle of selective weed control with this product is that annual weeds are killed but perennial plants and clovers recover after an initial scorch. The control of annual weeds by spraying with this product will allow the desirable perennial species to thicken up at the expense of the weeds. Moisture and fertility should not be limiting at spraying and the proportion of desirable species must be great enough for them to fill in the areas previously occupied by weeds. Long-term weed control can be obtained following the quick knockdown given by this product if it is combined with soil residual chemicals.

DO NOT use hand-held ultra low volume controlled droplet applicators (CDA units), boomless jets or misting machines, back-mounted equipment or other hand-held, manually pumped equipment.

MIXING

Add the required quantity of product to water in the spray tank and agitate to give even mixing. Agitate again if left standing.

WETTING AGENT

This product contains a wetting agent and additional wetter is not required unless high volume spraying results in excessive dilution of wetter content. This will occur when product rates fall below 400mL/100L of spray. Under such circumstances wetter should be added at the rate 100mL of Agral* or 60mL of TITAN Wetter 1000 Wetting Agent/100L of spray mix. Where Fat Hen or Portulaca are present in orchard or vineyard situations, extra wetter should be used when this product ratio is less than 800mL/100L. Add wetter at double the above recommendations.

DO NOT use alkaline or anionic wetting agents.

CLEAN WATER

Mix this product with clean water only. Water should be clean and free from clay, silt and algae. Providing it meets this requirement, saline water, water collected from roofs, bore water, dam water and water from creeks may be used.

APPLICATION

(i) Cereals and Broadacre Spraying

Use only through a properly calibrated boom spray which should be fitted with flat fan jets and adjusted to a height to give at least double overlap of the spray at the top of the weeds being sprayed. Spraying pressures should be in the range of 200-300kPa. Speed of travel should be in the range of 6-15km/hr. It is essential that a good marking system be used. If a disc marker is used, it must be mounted so as to turn the soil back on to the area sprayed. It is essential to obtain good leaf coverage with the spray and volumes of dilute spray must be adjusted according to density of weed growth. 100L/ha may be used for seedlings or well grazed weeds up to 2cm high. For plant height 2-5cm use 150L/ha and up to 6-10cm use 200L/ha. Spray volumes may be as low as 50L/ha (30L/ha in WA) for weed growth below 5cm high, or for spray topping and hay freezing. Equipment must be appropriate to this volume, properly calibrated and fitted with spraying tips designed to give droplets in the 200 to 250µm Volume Median Diameter range.

(ii) High Volume Application

Higher volumes will generally be required to give good coverage of weed growth in situations other than those specified under cereals and other broadacre crops.

(iii) Wash spray equipment with clean water immediately after use

This product is highly corrosive to metals, particularly galvanised iron and aluminium and should not be left for long periods in tanks or equipment made of these materials.

For Ground Application only: DO NOT use this formulation through aircraft, misting machines or hand-held ultra low volume controlled droplet applicators (CDA units), back-mounted equipment or other hand-held, manually pumped equipment.

COMPATIBILITY

This product combines satisfactorily with the soil active herbicide TITAN Diuron 900 WG Herbicide where prolonged weed control is required as well as a quick knockdown. This product is compatible with TITAN Wetter 1000 Wetting Agent, TITAN Diquat 200 Non-Residual Herbicide, TITAN EOS Herbicide, TITAN Dicamba products, TITAN MCPA Amine (no more than 1L/800mL TITAN Paraquat 250 Herbicide), TITAN Chlorsulfuron 750, TITAN Tri-Allate 500 EC Herbicide, TITAN Trifluralin 480 Selective Herbicide.

RESISTANT WEEDS WARNING

TITAN Paraquat 250 Herbicide is a member of the bipyridyls group of herbicides. TITAN Paraquat 250 Herbicide has the inhibitor of photosynthesis at photosystem I mode of action. For weed resistance management TITAN Paraquat 250 Herbicide is a Group 22 herbicide. Some naturally occurring weed biotypes resistant to TITAN Paraquat 250 Herbicide and other Group 22 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 weeds will not be controlled by TITAN Paraquat 250 Herbicide or other Group 22 herbicides. Since the occurrence of resistant weeds is difficult to detect prior to use, TITAN AG Pty Ltd accepts no liability for any losses that may result from the failure of TITAN Paraquat 250 Herbicide to control resistant weeds.

SPRAYING CONDITIONS

Avoid spraying plants under stress from waterlogging, frost, drought etc. or covered with dust and soil. Results will be better if application is made in dull weather or at the end of the day. Light rain following spraying will not affect results. Avoid drift into neighbouring crops.

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 susceptible plants/crops, cropping lands or pastures. This formulation should not be applied on or near water which is used for irrigation purposes.

PROTECTION OF LIVESTOCK

Domestic pets and poultry – keep away from treated areas. This formulation should not be applied on or near water which is used for livestock watering.

PROTECTION OF WILDLIFE, FISH, CRUSTACEANS AND ENVIRONMENT

DO NOT contaminate streams, rivers or watercourses with the chemical or used containers. This formulation should not be applied on or near water which is used for human consumption, livestock watering or irrigation purposes or water used for commercial or recreational fishing.

STORAGE AND DISPOSAL

20L, 200L only: Store in the closed, original container in a cool, well-ventilated area. DO NOT store for prolonged periods in direct sunlight. Store in a locked room or place away from children, animals, food, feedstuffs, seed and fertilisers. 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 bury empty packaging to an approved waste management facility. If an approved waste management facility is not available bury the empty packaging 500mm below the surface in a disposal pit specifically 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.

110L only: Store in the original sealed Envirodrum in a cool well-ventilated area. DO NOT store for prolonged periods in direct sunlight. Store in a locked room or place away from children, animals, food, feedstuffs, seed and fertilisers. DO NOT tamper with the Micro Matic valve or the security seal. DO NOT contaminate the Envirodrum with water or any foreign matter. After each use of the product, please ensure that the Micro Matic coupler delivery system and hoses are disconnected, triple rinsed with clean water and drained accordingly. When the contents of the Envirodrum have been used, please return the Envirodrum to the point of purchase. The Envirodrum remains the property of TITAN AG Pty Ltd.

1000L: Store in the closed original container in a cool, well-ventilated area. DO NOT store for prolonged periods in direct sunlight. Store in a locked room or place away from children, animals, food, feedstuffs, seed and fertilisers. Storage must be secure so that contents cannot be tampered with. All locks and/or seals must be in order. If locks or seals are broken prior to initial use then the integrity of this product cannot be assured. If this occurs TITAN AG Pty Ltd should be notified immediately. This minibulk/bulk container is reusable and remains the property of TITAN AG Pty Ltd. DO NOT rinse empty container. Empty contents fully into application equipment. Close all valves and return to the point of supply for refill or storage. No other liquid, solid or pesticide product should be put into it. When empty return to TITAN AG Pty Ltd for cleaning, relabelling and refilling.

SAFETY DIRECTIONS

Very dangerous, particularly the concentrate. Product is poisonous if swallowed. Will irritate the nose, throat and skin. Attacks eyes, protect eyes while using. Avoid contact with eyes, skin and clothing. When opening the container and preparing TITAN Paraquat 250 Herbicide for use wear elbow-length PVC gloves and face shield or goggles. If product on skin, immediately

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wash area with soap and water. If clothing becomes contaminated with product, remove clothing immediately. Avoid contact with spray mist. DO NOT inhale spray mist. 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 and face shield or goggles and contaminated clothing.

SPRAY APPLICATION

DO NOT work in spray mist. DO NOT continue to use if skin irritation or nose bleed occurs. This may be caused by exposure to spray mist as the result of incorrect use of equipment or adverse climatic conditions. Stop and review handling and spraying techniques before further spraying. If symptoms persist seek medical advice. When there is a risk of exposure to spray mist wear waterproof footwear and waterproof protective clothing, impervious gauntlet length gloves (rubber or PVC), goggles and a face mask and respirator covering nose and mouth and capable of filtering spray droplets. A high efficiency type particulate respirator is recommended, but in any event use a respirator which complies with the requirements of AS1716 (Standards Association of Australia). Further advice on safety equipment should be obtained from a safety equipment manufacturer. Avoid contacting vegetation wet with spray, but if necessary to do so wear waterproof footwear and waterproof protective clothing and gloves.

FIRST AID

If poisoning occurs get to a doctor or hospital quickly. Phone Australia 131126; New Zealand 0800 764 766. If in eyes, hold eyes open, flood with water for at least 15 minutes and see a doctor.

NOTE TO PHYSICIANS

For additional advice on the treatment of paraquat poisoning, please consult the booklet 'The Treatment of Paraquat Poisoning: A Guide for Doctors', available from TITAN AG Pty Ltd.

SAFETY DATA SHEET

Additional information is listed in the safety data sheet (SDS). A safety data sheet for TITAN Paraquat 250 Herbicide is available from TITAN AG Pty Ltd on request. Call Customer Service on (02) 9999 6655 or visit titanag.com.au

CONDITIONS OF SALE: TITAN AG Pty Ltd shall not be liable for any loss injury damage or death whether consequential or otherwise whatsoever or howsoever arising whether through negligence or otherwise in connection with the sale supply use or application of this product. The supply of this product is on the express condition that the purchaser does not rely on TITAN AG's skill or judgment in purchasing or using the same and every person dealing with this product does so at his own risk absolutely. No representative of TITAN AG Pty Ltd has any authority to add to or alter these conditions.

Additional statements required by Globally Harmonised System of Classification and Labelling of Chemicals (GHS) and Safe Work Australia: Harmful if swallowed. Fatal if inhaled. Causes severe skin burns and eye damage. May cause respiratory irritation. Causes damage to organs through prolonged or repeated exposure. Very toxic to aquatic life with long lasting effects. Precautionary Statements: Do not breathe dusts or mists. Wash thoroughly after handling. Do not eat, drink or smoke when using this product. Use only outdoors or in a well-ventilated area. Avoid release to the environment. Wear protective gloves/protective clothing/eye protection/face protection/hearing protection. [In case of inadequate ventilation] wear respiratory protection. IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell. IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower]. IF INHALED: Remove person to fresh air and keep comfortable for breathing. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/doctor. Specific treatment is urgent (see on this label). Get medical advice/attention if you feel unwell. Wash contaminated clothing before reuse. Collect spillage. Store in a well-ventilated place. Keep container tightly closed. Store locked up. Dispose of contents/container in accordance with local/regional/national regulations.

