DANGEROUS POISON

KEEP OUT OF REACH OF CHILDREN
READ SAFETY DIRECTIONS BEFORE OPENING OR USING
CAN KILL IF SWALLOWED
DO NOT PUT IN DRINK BOTTLES
KEEP LOCKED UP



syngenta.

ACTIVE CONSTITUENTS:

135 g/L PARAQUAT present as PARAQUAT DICHLORIDE 115 g/L DIQUAT present as DIQUAT DIBROMIDE



For control of a wide range of grasses and broadleaf weeds. Can be utilised in crop establishment programs. Contains non-ionic wetter.

Syngenta Australia Pty Ltd Level 1, 2-4 Lyonpark Road, Macquarie Park NSW 2113

In a transport emergency dial 000, Police or Fire Brigade For specialist advice in an emergency only, call 1800 033 111 (24 hours)

APVMA Approval No: 46516/60621

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DIRECTIONS FOR USE

Restraints

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

For ground application only: DO NOT use through aircraft, misting machines or hand held ultra low volume controlled droplet applicators (CDA units)

SOUTHERN AUSTRALIA - FULL DISTURBANCE

Crop/Situation	Weeds Contro	olled	Crowth Ctors	Datalha	Ctatas	Critical Comments
Crop/Situation	Common Name	Botanical Name	Growth Stage	Rate/ha	States	Critical Comments
SOUTHERN AUSTRALIA	Seedling grasses		2 to 3 leaf	0.6 to 0.8 L	Sthn NSW,	Refer to Crop Establishment Procedure (1)
	Annual Ryegrass	Lolium rigidum	4 leaf to early tiller	0.8 to 1.6 L	Vic, Tas, SA,	In WA apply after the autumn break within 4 weeks of weed
DIRECT DRILLING	Barley Grass	Hordeum spp.	mid to fully tillered	1.6 to 2.4 L	WA	germination. In the other states apply to young or well grazed
with full combine	Brome Grass	Bromus spp.	, , , , , , , , , , , , , , , , , , , ,		only	weeds. In a typical mixed weed situation use the rate
	Volunteer Cereals, Wild Oats	Avena spp.				recommended for the growth stage of the hardest-to-kill weed
or	Vulpia (Silver Grass, Sand Fescue)	Vulpia spp.	2 to 3 leaf	0.6 to 0.8 L [∆]		species. Rates shown are for optimum conditions, for sowing
			4 leaf to early tiller	0.8 to 1.6 L [∆]		equipment with wide points and overall soil disturbance. Under
with cultivation before			mid to fully tillered	1.6 to 2.4 L [∆]		less favourable conditions or where spraying is delayed until
spraying	Seedling Brassica weeds		1 to 5 cm diam	0.8 to 1.2 L		winter or where narrow points are fitted or in higher rainfall
	Ball Mustard	Neslia paniculata	5 to 10 cm diam	1.2 to 1.6 L		areas, use higher rates in the range 1.2 L to 2.4 L/ha. For
or	Charlock	Sinapsis arvensis	10 to 20 cm diam	1.6 to 2.4 L		dense mature swards over 2 months old or spring crops use
with cultivation after	Indian Hedge Mustard	Sisymbrium orientale				rates up to 2.4 L/ha. [∆] For control of Vulpia (Silver Grass) add a wetter such as
	Long Fruited Wild Turnip	Brassica tournefortii				Agral® at 160 mL/100L or BS1000* at 100 mL/100L.
spraying as an aid in the establishment of crops	Muskweed	Myagrum perfoliatum				Agrai at 160 mL/100L of 65 1000 at 100 mL/100L.
	Shepherds Purse	Capsella bursa-pastoris				Also refer to Crop Establishment Procedure (3) -
including:	Short Fruited Wild Turnip	Rapistrum rugosum				cultivation after spraying
Winter	Ward's Weed	Carrichtera annua				Cultivation or sowing can commence 30 minutes after spraying
Canola	Wild Radish	Raphanus raphanistrum				but should be completed within 7 days unless a suitable
Chickpeas	Other seedling broadleaf weeds		1 to 4 leaf or	0.8 to 1.2 L		residual herbicide is added or weeds are sprayed again.
Cereals (Wheat, Barley, Oats,	Bedstraw	Gallium tricornutum	1 to 4 cm diam.			Where heavy weed growth is present at spraying a better seed
Rye, Triticale)	Bifora	Bifora testiculata	4 to 8 leaf or	1.2 to 1.6 L		bed will result if cultivation or sowing is delayed 3 to 5 days to
Field beans	Capeweed	Arctotheca calendula	4 to 8 cm diam			obtain maximum root release.
Field peas	Horehound	Marrubium vulgare				obtain maximum root release.
Lentils	Ivy-leaf Speedwell	Veronica hederifolia				Also refer to Crop Establishment Procedure (4) -
Linseed (Linola)	Lincoln Weed	Diplotaxis tenuifolia				cultivation before spraying
Lupins	Medic	Medicago spp.				Spraying may be carried out before or after sowing or
Vetch	Spiny Emex (Doublegee, Three	Emex australis				transplanting but 3 days before the crop emerges.
Veteri	cornered Jack)					litarisplanting but 3 days before the crop emerges.
Spring/Summer	Stinging Nettle	Urtica urens				TANK MIX: See Compatibility Section. Refer to partner produc
Fodder Rape		Erodium spp.				labels for suitability of use prior to sowing particular crops and
Pigeon peas	Subterranean Clover	Trifolium subterraneum				relevant plant-back periods.
Safflower	Vetch (tares)	Vicia spp.				Tolovani plani baok ponodo.
Sorghum	Deadnettle	Lamium amplexicaule	1 to 10 leaf or	0.8 to 1.2 L		
Soybeans	Fumitory	Fumaria spp.	1 to 10 cm diam			
Sunflower	Melilotus	Melilotus spp.				
	Pimpernel	Anagallis spp.				
Pasture	Poppy	Papaver spp.				
Clover	Saffron Thistle	Carthamus lanatus				
Grass	Sheepweed	Buglossoides arvensis			4	
Lucerne	Wireweed	Polygonum aviculare	1 to 4 leaf	0.8 to 1.2 L		
Medic	Marshmallow	Malva parviflora	1 to 12 leaf	0.8 to 1.2 L plus		
				Goal* 75 mL	4	
	Volunteer Beans, Peas, Lupins		1 to 6 leaf	0.8 to 1.2 L plus		
				Ally* 5 g		
				or		
				0.8 to 1.2 L plus		
				140 g Cadence*	<u> </u>	

SOUTHERN AUSTRALIA - FALLOW / MINIMUM DISTURBANCE

Crop/Situation	Weeds Cont Common Name	trolled Botanical Name	Growth Stage	Rate/ha	States	Critical Comments
SOUTHERN AUSTRALIA	Seedling grasses		2 to 3 leaf	1.0 to 1.2 L	Sthn NSW,	Refer to Crop Establishment Procedures (1), (6) or (7b) as
	Annual Ryegrass	Lolium rigidum	4 leaf to early	1.2 to 2.4 L	Vic, Tas,	appropriate to the particular situation
DIRECT DRILLING	Barley Grass	Hordeum spp.	tiller		SA, WA	In WA apply after the autumn break within 4 weeks of weed
with minimum disturbance	Brome Grass	Bromus spp.	mid to fully	2.4 to 3.2 L	only	germination. In the other States apply to young or well grazed
(disc drill, modified combine,	Volunteer Cereals, Wild Oats	Avena spp.	tillered			weeds. In a typical mixed weed situation use the rate
sod seeder)	Vulpia (Silver Grass, Sand Fescue)	Vulpia spp.	2 to 3 leaf	1.0 to 1.2 L ⁺		recommended for the growth stage of the hardest-to-kill weed
			4 leaf to early	1.2 to 2.4 L ⁺		species. Rates shown are for optimum conditions and for
or			tiller			sowing equipment with narrow points. Under less favourable conditions or where spraying is delayed until winter or in higher
FALLOWS			mid to fully	2.4 to 3.2 L ⁺		rainfall areas or for fallow weed control, use higher rates in the
cultivated or non-cultivated			tillered			range 2.4 to 3.2L/ha. For dense swards or spring application
as an aid in establishing crops	Seedling Brassica weeds		1 to 5 cm diam	1.2 to 1.8 L		use rates in the range 2.4 to 3.2L/ha.
or establishing and	Dali Mustaru	Neslia paniculata	5 to 10 cm diam	1.8 to 2.4 L		[∆] For control of Vulpia (Silver Grass) add a wetter such as Agral
maintaining a fallow. Includes	Charlock	Sinapis arvensis	10 to 20 cm	2.4 to 3.2 L		at 160 mL/100L or BS1000 at 100 mL/100L.
the following crops:	Indian Hedge Mustard	Sisymbrium orientale	diam			at 100 m2 1002 of 201000 at 100 m2 1002.
	Long Fruited Wild Turnip	Brassica tournefortii				Also refer to Crop Establishment Procedure (3) -
Winter	Muskweed	Myagrum perfoliatum				cultivation after spraying
Canola	Shepherds Purse	Capsella bursa-pastoris				Cultivation or sowing can commence 30 minutes after spraying
Chickpeas	Short Fruited Wild Turnip	Rapistrum rugosum				but should be completed within 7 days unless a suitable
Cereals (Wheat, Barley, Oats,	Ward's Weed	Carrichtera annua				residual herbicide is added. Where heavy weed growth is
Rye, Triticale)	Wild Radish	Raphanus raphanistrum	4 (2.4 (2.2)	4.0.1-4.0.1	_	present at spraying a better seed bed will result if cultivation or
Field Beans	Other seedling broadleaf weeds	On History Andrews	1 to 4 leaf or	1.2 to 1.8 L		sowing is delayed 3 to 5 days.
Field Peas	Bedstraw	Gallium tricornutum	1 to 4cm diam.	404001		
Lentils	Bifora	Bifora testiculata	4 to 8 leaf or	1.8 to 3.2 L		Also refer to Crop Establishment
Linseed (Linola)	Capeweed Horehound	Arctotheca calendula Marrubium vulgare	4 to 8 cm diam			Procedure (4) - cultivation before spraying
Lupins	lvy-leaf Speedwell	Veronica hederifolia				Spraying may be carried out before or after sowing, but 3 days
Vetch	Lincoln Weed	Diplotaxis tenuifolia				before the crop emerges.
	Spiny Emex (Doublegee, Three	Emex australis				
Spring/Summer	cornered Jack)	Linex adstrains				TANK MIX: See Compatibility Section. Refer to partner
Fodder Rape	Stinging Nettle	Urtica urens				product labels for suitability of use prior to sowing particular
Pigeon Peas	Storksbill (Wild Geranium, Crowsfoot)					crops and relevant plant-back periods.
Safflower	Vetch (tares)	Vicia spp.				
Sorghum	Deadnettle	Lamium amplexicaule	1 to 10 leaf or	1.2 to 3.2 L	1	
Soybeans Sunflower	Fumitory	Fumaria spp.	1 to 10 cm diam	· ·= ·• v·= =		
Suriilowei	Melilotus	Melilotus spp.				
Pasture	Pimpernel	Anagallis spp.				
Clover Grass	Poppy	Papaver spp.				
Lucerne	Saffron Thistle	Carthamus lanatus				
Medic	Sheepweed	Buglossoides arvensis				
	Wireweed	Polygonum aviculare	1 to 4 leaf	1.2 to 3.2 L		
	Marshmallow	Malva parviflora	1 to 12 leaf	1.2 to 1.8 L plus		
				Goal 75 mL	_	
	Volunteer Beans, Peas, Lupins		1 to 6 leaf	1.2 to 1.8 L		
				plus Ally 5g		
				or		
				1.2 to 1.8 L plus		
				140 g Cadence		

SOUTHERN AUSTRALIA - FALLOW / MINIMUM DISTURBANCE, continued

Crop/Situation		s Controlled	Growth Stage	Rate/ha	States	Critical Comments
•	Common Name	Botanical Name	Orowin Glage	rato/na		
SOUTHERN AUSTRALIA	Medic	Medicago spp.	1 to 4 leaf or	1.2 to 1.8 L	Sthn NSW,	
DIRECT DRILLING	Subterranean Clover	Trifolium subterraneum	1 to 4 cm diam	plus 140 g Cadence	Vic, Tas,	
with minimum disturbance			4 to 8 leaf or	1.8 to 3.2 L	SA, WA,	
(disc drill, modified combine,			4 to 8 cm diam	plus 5 g Ally	only	
sod seeder)	Split application for					For sub clover control without the addition of Cadence in
	Subterranean Clover	Trifolium subterraneum	1 to 8 leaf or	1.2 L		crops sown with triple disc, modified combine or sod
or			1 to 8 cm diam	followed by		seeder use a split application. Apply the second
				1.2 L		application 7 to 14 days after the first application and
FALLOWS	Perennial Ryegrass	Lolium perenne	4 leaf to early tiller	1.2 L	1	when green regrowth is present.
cultivated or non-cultivated	, ,	·		followed by		For control prior to sowing with combine use a split
as an aid in establishing				1.2 L		application. Apply the first application in autumn to mid
crops or establishing and			mid to fully tillered	1.6 L	1	winter. Apply second application 7 to 14 days later and
maintaining a fallow			1	followed by		when green regrowth is present.
				1.6 L		Apply the first application in late winter and follow with
	Most annual weeds		weeds higher	2.4 to 3.2 L	1	second application 7 to 14 days later when green
			than 10 cm			regrowth is present.
						If there is excess leaf growth, ie more than 10 cm, split
						the recommended rate in half and apply second part 7
						to 14 days after the first. Paddocks should be well
						grazed continuously from the break. The first application
						removes excess leaf growth, The second application is
						effective on residual green tissue. Green growth must
						be present for the second application.
	Potato Weed	Heliotropium europaeum	1 to 15 cm	1.2 to 1.6 L	SA only	For use in summer fallows only. Add 275 g/ha
		•	15 to 30 cm	1.6 to 2.4 L		Diurex* WG to enhance control of larger weeds.

NORTHERN AUSTRALIA - FULL DISTURBANCE

Crop/Situation		Controlled	Growth Stage	Rate/ha	States	Critical Comments
-	Common Name	Botanical Name	_			
NORTHERN AUSTRALIA	Seedling grasses		2 to 3 leaf	0.8 to 1.2 L	Qld,	Refer to Crop Establishment Procedure (7a)
DIDECT DOUL INC	(not regrowth or rhizomes)				Nthn	Apply in 50 to 100 L of clean water/ha. Avoid spraying
DIRECT DRILLING	Barnyard Grass	Echinochloa spp.	4 leaf to early tiller	1.2 to 1.6 L	NSW,	under hot dry conditions. Best results will be obtained
with full combine as an	Buffel Grass	Cenchrus ciliaris			NT only	when spraying is carried out in humid or low light
aid in the establishment	Columbus Grass	Sorghum x almum				conditions. In a typical mixed weed situation use the rate
of crops including:	Johnson Grass	Sorghum halepense	mid to fully tillered	1.6 to 2.4 L		recommended for the growth stage of the hardest-to-kill
Draadaara arana	Liverseed Grass	Urochloa panicoides				weed species. Rates shown are for optimum conditions
Broadacre crops Winter	Mossman River Grass	Cenchrus echinatus				and for sowing equipment with wide points and cultivating tynes. Under less favourable conditions or where
Cereals (Wheat, Barley,	Paradoxa Grass	Phalaris paradoxa				
Oats, Rye, Triticale)	Rhodes Grass	Chloris gayana				spraying is delayed or where narrow points are fitted, use higher rates in the range 1.6 L to 2.4 L/ha.
Canola	Summer Grass	Digitaria ciliaris				Inigher rates in the range 1.6 L to 2.4 L/ha.
Chickpeas	Sweet Summer Grass	Brachiaria eruciformis				Ensure weeds are not dusty or covered with soil as
Field beans	Volunteer Barley	Hordeum vulgare				SPRAY.SEED 250 effectiveness will be reduced
rielu bearis	Volunteer Wheat	Triticum aestivum				SPRAY.SEED 250 effectivefiess will be reduced
Broadacre crops	Wild Oats	Avena ludoviciana,				TANK MIX: See Compatibility Section.
Summer	O - mark	A. fatua	0 to 0 to at only	0.04-4.01		^Δ For control of larger weeds prior to cereals add
Cotton	Sorghum	Sorghum bicolor	2 to 3 leaf only	0.8 to 1.2 L		0.5 to 1 L 2,4-D amine (500 g/L). Refer to relevant
Maize	Stink grass	Eragrostis cilianensis	4 4 4 1 6	0.01.4.01	4	label for plant-back period.
Millet	Seedling broadleaf weeds		1 to 4 leaf	0.8 to 1.6 L		laber for plant back period.
Mungbeans	African Turnip Weed [△]	Sisymbrium thellungii [△]	4 to 8 leaf	1.6 to 2.4 L		
Navy beans	Annual Saltbush	Atriplex muelleri	8 to 12 leaf	2.4 L		
Peanuts	Australian Bindweed	Convolvulus erubescens				
Pigeon peas	Australian Bluebell	Wahlenbergia gracilis				
Safflower	Blackberry Nightshade	Solanum nigrum				
Sorghum	Bathurst Burr	Xanthium spinosum				
Soybeans	Bellvine	Ipomoea plebeia				
Sunflower	Black Pigweed	Trianthema portulacastrum				
	Bladder Ketmia	Hibiscus trionum				
	Caltrop Caustic Weed	Tribulus terrestris				
		Euphorbia spp.				
	Climbing Buckwheat Cowvine	Polygonum convolvulus Ipomoea lonchophyla				
	Cudweeds					
	Deadnettle	Gnaphalium spp. Lamium amplexicaule				
	European Bindweed	Convolvulus arvensis				
	Fat Hen	Chenopodium album				
	Fireweed	Senecio madagascariensis				
	Fleabanes	Conyza spp.				
	Fumitory	Fumaria spp.				
	Hogweed	гипапа spp. Zaleya galericulata				
	Malvastrum	Malvastrum americanum				
	Mexican Poppy	Argemone spp.				
	Mintweed	Salvia reflexa			1	
	Mungbean	Vigna radiata				
	iviungbean	viyila laulala				

NORTHERN AUSTRALIA - FULL DISTURBANCE, continued

Crop/Situation	Weeds Co		Growth Stage	Rate/ha	States	Critical Comments
Crop/Situation	Common Name	Botanical Name	Growin Stage	Naterna	States	
NORTHERN AUSTRALIA	Seedling broadleaf weeds		1 to 4 leaf	0.8 to 1.6 L	Qld,	Refer to Crop Establishment Procedure (7a)
	(continued)		4 to 8 leaf	1.6 to 2.4 L	Nthn	Apply in 50 to 100 L of clean water/ha. Avoid spraying
DIRECT DRILLING	Native Rosella	Abelmoschus ficulneus	8 to 12 leaf	2.4 L		under hot dry conditions. Best results will be obtained
with full combine as an	New Zealand Spinach	Tetragonia tetragonioides			NT only	when spraying is carried out in humid or low light
aid in the establishment	Noogora Burr	Xanthium pungens				conditions. In a typical mixed weed situation use the rate recommended for the growth stage of the hardest-to-kill
of crops	Parthenium Weed	Parthenium hysterophorus				weed species. Rates shown are for optimum conditions
	Peppercress	<i>Lepidium</i> spp.				and for sowing equipment with wide points. Under less
(continued)	Phyllanthus	Phylanthus spp.				favourable conditions or where spraying is delayed or
	Prickly Lettuce	Lactuca seriola				where narrow points are fitted, use higher rates in the
	Prickly Paddymelon	Cucumis myriocarpa				range 1.6 L to 2.4 L/ha.
	Red Pigweed	Portulaca oleracea				
	Rhynchosia	Rhynchosia spp.				Ensure weeds are not dusty or covered with soil as
	Sesbania Pea [∆]	Sesbania cannabina [∆]				SPRAY.SEED 250 effectiveness will be reduced
	Sida	Sida spp				
	Smooth Cucumber	Cucumis spp.				TANK MIX: See Compatibility Section.
	Soft Roly Poly	Salsola kali				Trave mixe doe dompationity doction.
	Sowthistle	Sonchus spp.				[△] For control of larger weeds prior to cereals add 0.5 to 1
	Soybean	Glycine max				L 2,4-D amine (500 g/L). Refer to relevant label for plant-
	Spiny Emex	Emex australis .				back period.
	Sunflower [△]	Helianthus annuus [∆]				
	Thornapples	Datura spp.				
	Variegated Thistle	Silybum marianum				
	Wild Gooseberry	Physalis minima				
	Native Jute	Corchorus trilocularis	1 to 4 leaf	1.2 to 1.6 L		
			4 to 8 leaf	1.6 to 2.4 L		
	Annual Ground Cherry	Physalis angulata	1 to 4 leaf	1.2 to 1.6 L		
	Turnip Weed	Rapistrum rugosum				
	Boggabri	Amaranthus mitchellii	1 to 8 leaf	0.8 to 1.2 L		
	Hexham Scent [△]	Melilotus indicus [∆]				
	Wild Carrot	Daucus glochidiatus				
1	Speedy Weed	Flaveria australasica				

NORTHERN AUSTRALIA - FALLOW / MINIMUM DISTURBANCE

NORTHERN AUSTRALIA - FA		Controlled				2.11.12
Crop/Situation	Common Name	Botanical Name	Growth Stage	Rate/ha	States	Critical Comments
NORTHERN AUSTRALIA	Seedling grasses		2 leaf to pre -	1.2 to 1.6 L	Qld,	Refer to Procedures (5), (6) or (7b) as appropriate to the
	(not regrowth or rhizomes)		tillering		Nthn	particular situation
DIRECT DRILLING	Barnyard Grass	Echinochloa spp.	early tillering	1.6 to 2.4 L	NSW,	In a typical mixed weed situation use the rate recommended
with minimum disturbance	Liverseed Grass	Urochloa panicoides			NT	for the growth stage of the hardest-to-kill weed species. Rates shown are for optimum conditions and for row crop or no-till
	Paradoxa Grass	Phalaris paradoxa			only	planters. Under less favourable conditions or where spraying
or	Stink Grass	Eragrostis cilianensis				is delayed or for fallow weed control use higher rates in the
	Volunteer Barley	Hordeum vulgare				range 1.6 L to 2.4 L/ha. Apply in 50 to 100 L of clean
FALLOWS	Volunteer Wheat	Triticum aestivum				water/ha. Avoid spraying under hot dry conditions. Best
cultivated or non- cultivated as	Wild Oats	Avena ludoviciana,				results will be obtained when spraying is carried out in ow
an aid in establishing or		A. fatua				light or in humid conditions.
maintaining a fallow or the	Seedling broadleaf weeds		1 to 4 leaf	1.6 to 2.4 L		Ensure weeds are not dusty or covered with soil as
establishment of crops	Bathurst Burr	Xanthium spinosum				SPRAY.SEED 250 effectiveness will be reduced
including	Bellvine	lpomoea plebeia				STATES 200 SHOSHVOHOSO WIII DO TOUGOU
	Black Pigweed	Trianthema portulacastrum				[△] For control of larger weeds prior to cereals add 0.5 to 1 L
Broadacre crops -	Bladder Ketmia	Hibiscus trionum				2,4-D amine (500 g/L) - refer to relevant label for plant-back
Winter	Caltrop	Tribulus terrestris				period.
Cereals (Wheat, Barley, Oats,	Fat Hen	Chenopodium album				TANK MIN. One Operator (Sellife Operator)
Rye, Triticale)	Fireweed	Senecio madagascariensis				TANK MIX: See Compatibility Section.
Chickpeas	Fumitory	<i>Fumaria</i> spp.				
	Mintweed	Salvia reflexa				
Broadacre crops -	Mungbean [∆]	Vigna radiata $^{\!$				
Summer	New Zealand Spinach	Tetragonia tetragonoides				
Cotton	Prickly Paddymelon	Cucumis myriocarpa				
Maize	Sesbania Pea ^Δ	Sesbania cannabina [∆]				
Millet	Smooth Cucumber	Cucumis spp.				
Mungbeans	Sunflower ^Δ	Helianthus annuus $^{\!\Delta}$				
Safflower	Thornapples	Datura spp.				
Sorghum	Volunteer cotton (including	Gossypium hirsutum				
Soybeans Sunflower	Roundup* Ready cotton)					
Sumower	Wild Gooseberry	Physalis minima				
	Volunteer cotton (including	Gossypium hirsutum	5 to 9 leaf	2.4 to 3.2 L		
	Roundup Ready cotton)	A	4 . 0	101011		
	Boggabri	Amaranthus mitchellii	1 to 8 leaf	1.6 to 2.4 L		
	Hexham Scent [△]	Melilotus indicus [∆]				
	Wild Carrot	Daucus glochidiatus				
	Phyllanthus	Phylanthus spp.		<u> </u>		
As an aid in post harvest	Volunteer Barley	Hordeum vulgare	1 to 4 leaf	1.6 to 2.4 L		Refer to Procedure 5
weed control - after winter	Volunteer Wheat	Triticum aestivum				DO NOT spray under hot, dry conditions or when
cereals	Bladder Ketmia	Hibiscus trionum				weeds are covered with dust and/or trash. Best results
	Milk Thistle	Sonchus oleraceus				will be obtained when spraying is carried in low light or
	New Zealand Spinach	Tetragonia tetragonoides				humid conditions.
						Application is best carried out following rain.

SUGARCANE

Crop/Situation	Weeds Co Common Name	ontrolled Botanical Name	Growth Stage	Rate/ha	States	Critical Comments
	Seedling grasses (not regrowth or rhizomes)		2 leaf to pre - tillering	1.2 to 1.6 L	Qld, Nthn	SUGARCANE: prior to planting or for establishing or maintaining a fallow - refer to Procedure (6) and
ESTABLISHMENT AND FALLOWS PRIOR TO	Barnyard Grass Liverseed Grass Stink Grass	Echinochloa spp. Urochloa panicoides Eragrostis cilianensis	early tillering mature annual grasses ^Δ	1.6 to 2.4 2.4 to 3.2 L ^Δ	NSW, NT only	following Cultivated fallow - where seedling weeds have recently germinated, are growing well and are up to
cultivated or non-cultivated	Seedling broadleaf weeds Bathurst Burr Bellvine	Xanthium spinosum Ipomoea plebeia	1 to 4 leaf	1.6 to 2.4 L 2.4 to 3.2 L		10 cm high use rates of 1.6 to 2.4 L/ha in a spray volume of 150 to 200 L water /ha plus a wetter such as BS1000 at 120 mL/ha or Agral at 200 mL/100 L.
As an aid in establishing sugarcane or controlling weeds in a fallow prior to sugarcane	Black Pigweed	Trianthema portulacastrum Hibiscus trionum Tribulus terrestris Chenopodium album Fumaria spp. Salvia reflexa Vigna radiata Tetragonia tetragonoides Cucumis myriocarpa Sesbania cannabina Cucumis spp. Datura spp. Physalis minima	weeds ^Δ	2.4 to 3.2 L		
	Phyllanthus	Phylanthus spp.	1 to 8 leaf mature broadleaf weeds ^Δ	1.6 to 2.4 L 2.4 to 3.2 L		improved if cultivation commences 4 to 5 days after spraying. Best results will be obtained when spraying is carried out in low light or humid conditions. Ensure weeds are not dusty or covered with soil as SPRAY.SEED 250 effectiveness will be reduced
						TANK MIX: See Compatibility Section.

SUGARCANE, continued

Cron / Situation		Controlled	Weed Growth	Doto/bc	States	Critical Comments
Crop / Situation	Common Name	Botanical Name	Stage	Rate/ha	States	Critical Comments
SUGARCANE	Most seedling broadleaf				Qld, NSW,	Apply as a broadcast spray over-the-top of plant
	weeds including		up to 5 cm high		WA, NT only	cane up to the 3 to 4 leaf stage or ratoon cane up to
PLANT & RATOON	Sicklepod	Senna (Cassia) obtusifolia	up to 50 cm high			10 cm high. Cane foliage will be scorched but new
	Bluetop	Ageratum houstonianum	up to 15 cm high			leaves will appear in 7 to 10 days. In plant cane
	Phyllanthus	Phyllanthus spp.	up to 15 cm high		_	between the 3 to 4 leaf stage and the formation of
	Calopo	Calapogonium muconoides	3 to 5 leaves	1.6 to 2.0 L		the true stem use a directed interspace spray. The
	and					Irvin spray boom is the most suitable equipment to
	Most seedling grasses					avoid excessive drift onto cane foliage while
	including					spraying at the bases of plant and ratoon cane.
	Awnless Barnyard Grass	Echinochloa colona	up to 5 cm high	1.2 to 1.6 L		After the formation of the true stem which is
	Summer Grass	Digitaria ciliaris		plus 500 g		resistant to SPRAY.SEED 250, the sprayer height can be raised to overlap the spray pattern to give
	Guinea Grass	Panicum maximum		Diurex		weed control in the stool. Use the higher rate for
	Hamil Grass	Panicum maximum cv Hamil				dense, more mature weeds. SPRAY.SEED 250 can
	Green Summer Grass	Brachiaria miliiformis				be mixed with Gesaprim® to give residual weed
	All above graces		up to 10 cm high	1.2 to 1.6 L		control when used as a directed spray. It may also
	All above grasses		up to 10 cm night	plus 1 kg		be mixed Diurex WG for residual control. To
				Diurex		enhance activity of SPRAY.SEED 250 under
				Didlex		favourable growing conditions and in open sunny
						conditions add 275 g/ha Diurex WG. Complete
						spray coverage is essential. For grasses and
						broadleaf weeds up to 5 cm high use a minimum of
						250 L spray solution/ha, increase to 350 L/ha for
						weeds up to 10 cm high. Use a spray volume of 400
						L/ha for dense mature weeds. Always add a wetter
						such as Agral at 200 mL/100 L or BS1000 at 120
						mL per 100 L of water.
						DUIDON TANK MIVES. Dood and follow all label
						DIURON TANK MIXES: Read and follow all label directions including restraints, spray drift restrains,
						mandatory no-spray zones, critical comments
						withholding periods, regional use restrictions and
						safety directions for the tank mix products.
		1			Ĭ	parety directions for the tank mix products.

COTTON and LUCERNE

Crop/Situation	Use	States	Rate/ha	Critical Comments
COTTON Dryland and moisture stressed	Desiccant to aid harvest	Qld, NSW, only	1.2 to 1.6 L	Apply by groundrig only. Good spray coverage is essential. Apply in 50 to 100 L of water per hectare. Use 5 hollow cone or 3 flat fan nozzles per row. Apply when at least 85% of bolls are open and remaining bolls are mature. SPRAY.SEED 250 can damage immature green bolls.
established (at least 1 year old) For improved grazing or oversowing	Most annual weeds including Capeweed and Erodium	All States	1.6 L	Spray in autumn after weeds germinate. Graze the lucerne to reduce the height to 2 to 4 cm before spraying.
For improved grazing, hay	Most annual weeds including Capeweed		2.4 L	Note: If required, grass, clover or lucerne seed can be direct drilled to increase desirable plant population. Spray in winter. Graze the lucerne to reduce the height to 2 to 4 cm
or seed production or oversowing	and Erodium			before spraying. Note: If required, grass, clover or lucerne seed can be direct drilled to increase desirable plant population.
				WARNING - continued use of SPRAY.SEED 250 alone in certain areas, has resulted in the selection of resistant Barley Grass <i>Hordeum glaucum</i> , <i>H. leporinum</i> , Capeweed and Silver Grass <i>Vulpia</i> spp. Where resistant barley grass is confirmed it may be controlled with Fusilade [®] .

PUBLIC SERVICE AREAS, RIGHTS OF WAY, MARKET GARDENS, TROPICAL TREE CROPS, VEGETABLES, POTATOES, FORESTS, ORCHARDS, PLANTATIONS AND VINEYARDS

			R	ate	
			High V	olume or	
Crop/Situation	Weeds	States		Sprayer	Critical Comments
or op/ontaction	Controlled	Otatoo		/100 L	
			/ha	(Spot Spray)	
Public Service	Most annual	All States	2.4 to 3.2 L	240 to	Thoroughly wet plant foliage. Use the high rate for
Areas, Rights of	grasses and	All States		320 mL	dense more established weed growth. Repeat treatment
Way, Market	broadleaf weeds		(a) see below	(b)	on regenerated green perennial weeds (such as
Gardens and	bioadieai weeds		see below	see below	paspalum and docks) while plants are weakened from
Nurseries,				See pelow	previous treatment. Addition of Goal at 250 mL/ha will
Orchards,					improve control of Small Flowered Mallow, Evening
(including					Primrose and other weeds sensitive to Goal. Refer to
Bananas),					the Goal label.
Vineyards and					Note: Spot spray rate assumes 1000 L water/ha. For
Forests – Ring					lower water volumes increase dilution rate as below:
weeding around					water volume 250 L/ha: use 960 to 1280 mL/100 L
trees with brown					water volume 500 L/ha: use 480 to 640 mL/100 L
bark and strip					water volume 750 L/ha: use 320 to 430 mL/100 L
spraying in					OR Measure how much spray is required to cover an
orchards and					area of 100 square metres using your normal
vineyards					application volume. Your dilution rate is 24 to 32 mL of
					SPRAY.SEED 250 in this volume.
Pre-crop					Prepare seed bed as long as possible before sowing to
emergence weed					permit maximum weed germination.
control (vegetable					Spray the weeds, wait until they have dried off and then
crops)					sow. If further weed germinations occur before crop
. ,					emerges, spray again but at least 3 days before crop
					emerges. Spray when weeds are growing vigorously
					and not covered with soil or dust, or wilting due to dry
					conditions. When rain follows dry conditions allow 7
					days for weed growth to commence before spray
					application.
					See Note on Spot spray rate-above.
Long term weed					SPRAY.SEED 250 can be mixed with soil residual
control					herbicides Gesaprim and Gesatop. (For further
İ					information see General Instructions)
					See Note on Spot spray rate above.
Potatoes					After planting and hilling up, wait until 10 to 25% of
weed control					potato shoots are emerged then blanket spray with
					SPRAY.SEED 250. Emerged potato shoots will suffer a
					marginal leaf burn but will quickly recover.
d doot			0.01	000 1	See Note on Spot spray rate above.
weed destruction			3.2L	320 mL	Spray 3 to 7 days before digging after all tops have died
prior to digging			(a)	(b)	down.
			see below	see below	See Note on Spot spray rate above.
					Note: DO NOT use SPRAY.SEED 250 for potato haulm
Avocados, Custard	Most appual and		_	120 to 240	desiccation. Apply to the ground cover underneath trees from
•	perennial		_		summer to autumn prior to harvest. A second spray
Apples, Lychees, Mangoes	broadleaf weeds			mL (b)	may be required 14 days later to control growth not
wangues	and grasses			(b) see below	controlled by the initial spray.
	anu yrasses			SEE DEIOW	See Note on Spot spray rate above.
					WARNING: Avoid spray drift onto trees.
Watting agents					TTAINTING. AVOID Spray writt office tiees.

Wetting agent:

⁽a) If volume of water applied exceeds 200 L/ha add 200 mL Agral or 120 mL BS1000 per 100 L of additional water (b) Add 170 mL Agral or 100 mL BS1000 per 100 L

PUBLIC SERVICE AREAS, RIGHTS OF WAY, MARKET GARDENS, TROPICAL TREE CROPS, VEGETABLES, POTATOES, FORESTS, ORCHARDS, PLANTATIONS AND VINEYARDS, continued

Crop/Situation	Situation/Weeds	States	Rate per ha	
Rice	Annual weeds	NSW	1.6 to 3.2 L	Refer to Direct Drilling Procedure - Rice (2)
DO NOT apply if rice has emerged	Annual weeds including Barnyard Grass	only	1.7 to 2.2 L	On rice stubbles after burning
	Clover control		2.2 L plus 140 g Cadence as tank mix	Well grazed clover dominant pastures
	Annual Pasture		3.2 L	Pasture not properly managed. Use 100 L/ha water per 2 cm growth.
Kikuyu/Paspalum Pastures	To suppress growth to over sow winter feed	NSW only	2.4 L	Spray in autumn after grazing or slashing to 2 to 4 cm.
			3.2 L	For early spraying (February or March) or if lightly grazed.
Established Pastures Perennial grass crops, Cocksfoot, Perennial Ryegrass, Phalaris and Demeter Fescue	Control of annual weeds including Capeweed and Erodium for improved grazing, hay or seed production	NSW, Vic, SA, WA & Tas only	1.6 L	Spray in autumn (4 weeks after the break) to mid winter. Only spray stands which are at least 12 months old. Graze pastures to maintain length between 2 to 4 cm. (Subterranean Clover should be past 6 true leaf stage). Spray in late winter. Only spray stands which are at
				least 12 months old. Continuously graze pasture to maintain length 2 to 4 cm.
Pasture Improvement	To increase the Perennial Grass and/or the Sub Clover or White Clover content of the pasture.	VIC, NSW, TAS, SA & WA only	1.2 L	Spray in winter. Subterranean Clover should be past 6 true leaf stage. Only suppresses annual weeds (all States except Western Australia) and perennial weeds (Western Australia).
Grasses (particularly Annual Ryegrass)	To control grass seed set (Spray Top technique)	WA & SA only	Boom Spray: 800 mL/ha in a minimum of 50 L clean water 1.5 L	Apply at the end of growing season. HEAVILY GRAZE paddocks during the spring flush period to prevent early seed heads emerging. REMOVE all stock about 3 weeks before the end of the growing season to allow seed heads to emerge evenly. Set boom spray at a height to give double overlap spray pattern AT THE TOP of the pasture being sprayed. HAY FREEZING for maximum retention of protein for summer grazing.
Duboisia	Annual weeds	QLD and NT only	2.4 to 3.2 L/ha OR Spot Spraying: 240 to 20 mL per 100 L	Apply as directed spray on to weeds around Duboisia plants. This treatment is most effective when applied to young weed seedlings. Product may be mixed with Gesatop or applied alone. Thoroughly wet foliage. It is essential to obtain good leaf coverage and spray volumes of 50 to 200 L/ha are recommended, depending on density of weed cover. Refer to General Instructions for addition of wetter.
Tea-trees (Melaleuca alternifolia)	Grasses and broadleaf weeds	NSW only	1.6 to 3.2 L	Apply immediately after harvest to desiccated weeds. Avoid drift to unharvested areas.

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

WITHHOLDING PERIOD

Grazing

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.

Harvest

Cotton: DO NOT HARVEST EARLIER THAN 7 DAYS AFTER APPLICATION All Other Crops: NOT REQUIRED WHEN USED AS DIRECTED.

GENERAL INSTRUCTIONS

SPRAY.SEED 250 quickly kills a wide range of annual grasses, broadleaf weeds and some perennial grasses when sprayed directly onto the leaves. The active ingredients are rapidly and tightly absorbed by clay and silt particles in the soil and do not leave any effective soil residues. Thus crops sown almost immediately after spraying are not affected by the SPRAY.SEED 250, nor are weed seeds which germinate after spraying. At spraying weeds should therefore not be covered by soil or dust as this may severely reduce efficacy.

Where insect pests are anticipated use recommended insecticide treatment. Regular checks should be made before and after sowing.

Suitable residual herbicides can be tank mixed with SPRAY.SEED 250 to provide extended in-crop weed control in fallows and subsequent crops. Read label recommendations of the respective residual herbicides prior to their use, and observe precautions against use of residual herbicides before planting susceptible crops. See compatibility statement on this label for compatibility of SPRAY.SEED 250 with other herbicides. The principle of selective weed control with this product is that annual weeds are controlled 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 limited at spraying and the proportion of desirable species must be great enough for them to fill in the areas previously occupied by weeds. Refer to local pasture guidelines for optimum plant densities.

Mixing

The recommended rate of SPRAY.SEED 250 should be added to water in the spray tank and agitated to give even mixing. Agitate again if left standing.

Water Volume

It is essential to obtain good leaf coverage with the spray. The following volumes are recommended:

Winter Rainfall Areas	Boom Spray	Summer Rainfall Areas: Weed Stage and Density
Plant height up to 2 cm	50 to 100 L/ha	Small plants (2 to 5 leaf) and well separated
Plant height up to 2 to 5 cm	100 to 150 L/ha	5 leaf to early tiller/rosette; 30 to 50 % ground cover
Plant height up to 6 to 10 cm	150 to 200 L/ha	Advanced growth, dense and/or tall weed stands
Above 10 cm	Use split application to remove excess growth Use 150 L/ha	Very dense and tall weed growth

Note:

- (1) If the volume is increased above 100 L/ha additional wetter should be added at the rate of 200 mL of Agral/100 L or 120 mL BS1000 per 100 L of additional water.
- 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 Boom Spray

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 240 to 280 kPa. Speed of travel should be in the range of 6 to 10 km/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. Coverage of the weeds with the spray solution is critical for maximising efficacy. This is particularly important with fine leaf grasses. Use the recommended spray volume for the corresponding weed size and density from the Water Volume table above.

Clean up

Wash spray equipment with clean water immediately after use. This product is corrosive to metals, particularly galvanised iron and aluminium and should not be left for long periods in tanks or equipment made of these materials.

Direct Drilling Procedure (1)
Use of SPRAY.SEED 250 in crop establishment with no working before sowing.

Step	Critical Comments
1. Burn	If possible crop stubble or pasture trash should be burnt early to avoid problems at sowing. Can also promote weed seed germination.
Shallow cultivation - optional	Should be carried out on opening rains to a depth of no more than 2 cm. This will encourage early even germination of weeds particularly annual grasses.
Heavily graze paddocks continuously from germination	This prepares the paddock for spraying by keeping the pasture short and open and at the same time restricts the development of the weed roots which will assist seed bed formation.
Remove stock 2 to 3 days before spraying	Allow the weeds to freshen up - important for maximum uptake of SPRAY.SEED 250. Spraying can, however, take place immediately after stock removal provided there is sufficient leaf cover and the pasture is not dusty.
Spraying with a boom spray	Accurate application and full spray cover are essential to give weed control. Note limitations as outlined under Directions for Use.
6. Sow 3 to 5 days after spraying	A rigid tyne spring release combine is preferred to ensure adequate penetration. Points should not be worn. The combine must be level and set to work 3 to 5 cm and sow seed at recommended depth. Use standard seed and fertiliser rates. When harrowing is considered necessary use trailing harrows. Sowing can commence one 1 hour after spraying and should be completed within 7 days. Where heavy weed growth is present a better seed bed will result if sowing is delayed for 3 to 5 days.

Direct Drilling (Sod Seeding) Procedure - Rice (2)

Step	Critical Comments
Graze pasture heavily	Allow pasture to green up before spraying, generally about 1 week. Watering may be required. Where rice follows a cereal crop, the stubbles should be burnt well in advance of the anticipated date of sowing to allow weeds to germinate prior to spraying.
Spray the paddock before or after direct drilling	Use 1.6 to 3.2 L SPRAY.SEED 250/ha. Use 1.7 to 2.2 L/ha for weeds, particularly Barnyard Grass, on rice stubbles after burning. Use 2.2 L/ha for well grazed pastures plus 140 g Cadence/ha as a tank mix for clover dominant pastures. Up to 3.2 L/ha may be required where the pasture has not been properly managed prior to spraying. Use approximately 100 L clean water/ha per cm growth.
3. Direct drill rice	Drill at 2 to 3 cm depth within a few hours of spraying. DO NOT delay for more than a few days after spraying. Spraying may be carried out after drilling.

Crop Establishment with a Cultivation AFTER Spraying. Crop Establishment Procedure (3)

Step	Critical Comments
Graze paddocks continuously from germination	This prepares the paddock for spraying by keeping the pasture short and open and at the same time restricts the development of the weed roots, which will assist seed bed formation.
Remove stock 2 to 3 days before spraying	Allows the weeds to freshen up - important for maximum uptake of SPRAY.SEED 250. Spraying can take place immediately after stock removal provided there is sufficient leaf cover and the pasture is not dusty.
Spray with a boom spray	Accurate application and full spray cover are essential to give weed control. Note limitations as outlined under Directions for Use.
4. Cultivate	Between 1 hour and 7 days after spraying. When dense weed growth is present implement penetration and resulting seed bed may be improved if cultivation commences 3 to 5 days after spraying. It is not necessary to cultivate deeper than sowing depth. Use scarifier or combine with heavy harrows.
5. Sow	Sow at the recommended seed and fertiliser rates and depth.

Crop Establishment with a Cultivation BEFORE Spraying. Crop Establishment Procedure (4)

	Step	Critical Comments
1.	Graze	Graze pasture or stubble to keep growth of weeds down to a minimum following the autumn break.
2.	Cultivate 4 to 6 weeks prior to the anticipated sowing date	Cultivate after autumn rains when conditions are suitable to produce a seed bed and before heavy weed growth develops. A scarifier and heavy harrows should be used with the aim of killing existing weed growth and leaving the seed bed in a level condition. It is not necessary to cultivate deeper than the sowing depth.
3.	Wait	Wait 4 to 6 weeks to allow a full germination of weeds. Graze if necessary.
4.	Remove stock 2 to 3 days before spraying	Allow the weeds to freshen up - important for maximum uptake of SPRAY.SEED 250.
5.	Spray with a boom spray	Accurate application and full spray cover are essential to give weed control. Note limitations as outlined under Directions for Use.
6.	Sow	Between one 1 hour and 7 days after spraying, sow crop in the normal manner. Sow at recommended seed and fertiliser rates and depth. NOTE: Where heavy weed growth is present at spraying, a better seed bed will result if sowing is delayed for 3 to 5 days.

NOTE: For on the farm advice and assistance, contact your dealer or Syngenta Representative.

CONTROL OF WEEDS AFTER CROP HARVEST AND IN CULTIVATED AND NON-CULTIVATED FALLOWS - NORTHERN NEW SOUTH WALES AND QUEENSLAND ONLY

Use of SPRAY.SEED 250. for weed control after cereal harvest Procedure (5)

New Zealand Spinach, Bladder Ketmia and Milk Thistle are often present after cereal harvest. They can be controlled by the application of 1.6 to 2.4 L/ha of SPRAY.SEED 250 in at least 100 L of **clean** water. Use a properly calibrated boom sprayer. Ensure that the boom is set for double overlap at the top of the weed canopy. The weed species must be free from dust and actively growing. They should not be shielded from the spray by stubble or trash. The use of a straw spreader at harvest is recommended

Use of SPRAY.SEED 250 for the control of weeds during the fallow. Procedure (6)

Weeds must be controlled during the fallow to conserve moisture. While cultivation can eliminate weeds it also exposes the soil to moisture loss. In addition, repeated cultivations destroy soil structure, reduce organic matter and stubble cover. This leads to the formation of hard pans, soil crusts and increases the risk of erosion. Under moist soil conditions weeds are frequently transplanted and not killed, weed growth holds the soil in clods.

SPRAY.SEED 250 provides an economical and reliable alternative for fallow weed control.

For use in fallows to be planted to sugarcane and for weed control prior to planting sugarcane refer to the specific section of the label.

a) Seedling Weeds:

Seedling weeds should be sprayed with 1.0 to 3.2 L/ha SPRAY.SEED 250 in 50 to 100 L of **clean** water (see Directions for Use table). Some difficult to control weeds may require a second application 7 to 21 days later, or control may be assisted by a following cultivation.

b) Advanced weed growth:

While some advanced weeds will be controlled by a single application of SPRAY.SEED 250 many species will require a follow-up cultivation to complete the kill. SPRAY.SEED 250 rapidly desiccates plant material and causes weed roots to loosen their grip on the soil. The results are improved incorporation of plant material, a reduced number of large clods and a more reliable weed kill even in moist soil. Use the recommended rates of SPRAY.SEED 250 in 100 to 200 L of **clean** water.

Control of transplanted weeds:

Weeds transplanted by unsuccessful cultivation present an extremely difficult problem. If there is a risk that cultivation will result in weeds being transplanted (particularly under moist soil conditions) it is recommended that the weeds be sprayed with SPRAY.SEED 250 prior to cultivation (see previous section). Weeds partly covered by soil and clods provide poor conditions for successful chemical weed control. The best results will be achieved by allowing the weeds to make some regrowth to provide an adequate chemical targets. Apply the highest rate of SPRAY.SEED 250 preferably spraying in the late afternoon or early evening.

Use of SPRAY.SEED 250 for the control of seedling weeds immediately before sowing. Procedure (7)

a) Sowing with full disturbance (full combine)

The cultivation action of the combine aids in weed kill. Use 0.8 to 2.4 L of SPRAY.SEED 250 depending upon weed species (see Directions for Use table). Sowing should commence within 7 days of spraying.

b) Sowing with minimum disturbance (row crop, no-till planters):

A higher rate of SPRAY.SEED 250 is recommended due to the absence of cultivation. Use SPRAY.SEED 250 at 1.0 to 3.2 L/ha in Southern Australia; 1.2 to 3.2 L/ha in Northern Australia (Qld, Nthn NSW & NT only).

Compatibility

SPRAY.SEED 250 is compatible with any one of the following herbicides:

Ally (metsulfuron methyl), Gesaprim (atrazine), Avadex* Xtra, Cadence (dicamba), 2,4-D (amine & ester), Devrinol*, Diurex WG, Dual® Gold, fluporpanate, Glean* (chlorsulfuron), Goal (oxyfluorfen), Gramoxone® 250, Logran®, Logran B-Power, Lontrel*, MCPA (amine & ester), Reglone®, Zoliar 800 DF, Gesatop, Spinnaker*, Stomp*, Surflan*, trifluralin, Yield*.

Tank mixes with 2,4-D and MCPA formulations should not be more concentrated than 2 parts SPRAY.SEED 250 to 1 part 2,4-D or MCPA.

Refer to the manufacturers label for specific details on compatibility and weed control. Mixtures with more than one product may not be compatible and should be checked in a jar test first. Physical compatibility does not guarantee biological compatibility.

SPRAY.SEED 250 is compatible with any one of the following insecticides:

Dominex*, Imidan*, Karate Zeon®, Le-mat*, Talstar*, dimethoate, endosulfan, chlorpyrifos, Supracide®

SPRAY.SEED 250 is compatible with Agral and BS1000 surfactants.

SPRAY.SEED 250 is not compatible with copper, zinc or manganese sulphates.

DIURON TANK MIXES: Read and follow all label directions including restraints, spray drift restrains, mandatory nospray zones, critical comments withholding periods, regional use restrictions and safety directions for the tank mix products.

Resistant Weeds Warning

GROUP HERBICIDE

SPRAY.SEED 250 Herbicide is a member of the bipyridyls group of herbicides. SPRAY.SEED 250 has the inhibitors of photo-synthesis at photosystem I mode of action. For weed resistance management SPRAY.SEED 250 is a Group L herbicide. Some naturally occurring weed biotypes resistant to SPRAY.SEED 250 and other Group L 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 SPRAY.SEED 250 or other Group L herbicides. Since the occurrence of resistant weeds is difficult to detect prior to use, Syngenta Australia Pty Ltd accepts no liability for any losses that may result from the failure of SPRAY.SEED 250 to control resistant weeds.

PROTECTION OF CROPS, NATIVE AND OTHER NON-TARGET PLANTS

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

PROTECTION OF LIVESTOCK

Domestic pets and poultry - keep away from treated areas. Low hazard to bees. No special precautions are required. 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 waterways 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

For non-refillable containers:

Store in the closed, original container in a dry, cool, well ventilated locked room or place away from children, animals, food, feedstuffs, seed and fertilisers. 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 empty containers in a local authority landfill. If no landfill is available, bury the containers below 500 m 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:

Store in the closed, original container in a dry, cool, well ventilated locked room or place away from children, animals, food, feedstuffs, seed and fertilisers. 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

Very dangerous, particularly the concentrate. Product is poisonous if absorbed by skin contact, inhaled or swallowed. Will irritate the eyes, nose, throat and skin. Attacks eyes. Protect eyes while using. Avoid contact with eyes, skin and clothing. DO NOT inhale spray mist. When opening the container, preparing product for use and using the prepared spray wear:

- cotton overalls buttoned to the neck and wrist
- · a washable hat
- elbow-length PVC gloves
- · face shield or goggles
- half facepiece respirator or disposable respirator

If product on skin, immediately wash area with soap and water. If clothing becomes contaminated with product, or wet with spray, remove contaminated clothing immediately. If product in eyes, wash it out immediately with water. 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, respirator and if rubber wash with detergent and warm water, 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 requirement 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. 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 "Paraquat Poisoning: A Practical Guide to Diagnosis, First Aid and Hospital Treatment" (available from Syngenta Australia Pty Ltd).

MATERIAL SAFETY DATA SHEET

If additional hazard information is required refer to the Material Safety Data Sheet. For a copy phone 1800 067 108 or visit our website at www.syngenta.com.au

DISCLAIMER

This product complies with the specifications in its statutory registration. Implied terms and warranties are excluded. Syngenta's liability for breach of the express or any nonexcludable implied warranty is limited to product replacement or purchase price refund. The purchaser must determine suitability for intended purpose and take all proper precautions in the handling, storage and use of the product including those on the label and/or safety data sheet failing which Syngenta shall have no liability.

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*Trademark



advice in an emergency only, call 1800 033 111 All hours - Australia wide.