Product will irritate eves and skin. Avoid contact with eyes and skin. When preparing product for use, wear elbow-length PVC gloves and face shield (or goggles). When using controlled droplet applicator, wear protective waterproof clothing and impervious footwear. After use and before eating, drinking or smoking, wash hands, arms and face thoroughly with soap and water. After each day's use wash contaminated clothing, gloves and face shield or goggles.

FIRST AID

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

MATERIAL SAFETY DATA SHEET

For further information refer to Material Safety Data Sheet which can be obtained from the supplier.

NOTICE TO BUYER

Seller warrants that the product conforms to its chemical description and is reasonably fit for the purpose stated on the label when used in accordance with directions under normal conditions of use. No warranty of merchantability for a particular purpose, express or implied, extends to the use of the product contrary to label instructions, or under abnormal conditions.





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



ACTIVE CONSTITUENT: 510 g/L GLYPHOSATE present as the ISOPROPYLAMINE SALT



A non-selective water soluble herbicide for the control of a wide range of annual and perennial weeds as per the Directions for Use Table.

IMPORTANT: READ THE ATTACHED LEAFLET BEFORE USE.

10L



AGROCHEM PTY LTD **192 Rainbow Street** Sandgate QLD 4017 TEL: 07 3269 7427 ACN 131 628 594

PROTECTION OF CROPS. NATIVE AND OTHER **NON-TARGET PLANTS**

This product is non selective and may severely injure or kill desirable plants should the product contact the foliage, green stems or fruit of such plants. DO NOT apply under meteorological conditions or under spraying conditions which could be expected to cause spray to drift onto nearby susceptible plants/crops, cropping lands or pastures.

DO NOT apply prior to transplanting tomato seedlings.

PROTECTION OF LIVESTOCK

There is no withholding period for this plants has occurred.

In a Transport Emergency Dial 000 Police or Fire Brigade

BATCH NUMBER:

DATE OF MANUFACTURE:

product but removal of stock may be necessary to achieve efficacy. It is recommended that stock be removed from the area to be treated for I day after treatment of annual weeds and for 7 days after treatment of perennial weeds. Certain plants, eg, Soursob, St John's wort, Bracken, may be toxic to stock. Where known toxic plants are present, do not allow stock to graze until complete browning of treated

PROTECTION OF WILDLIFE. FISH. CRUSTACEANS AND ENVÍRONMENT

DO NOT contaminate dams, rivers or streams with the chemical or used containers. When controlling weeds near water, refer to label directions to minimise the entry of spray into the water.

PRECAUTION

DO NOT store, mix or apply the product or spray solution in unlined steel or galvanised containers as a highly flammable gas may form. Use stainless steel, brass, copper, aluminium, plastic or plastic line, fibreglass containers or spray tanks.

STORAGE AND DISPOSAL

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

Triple or preferably pressure rinse containers before disposal. Add rinsings to spray tank. Do not dispose of undiluted chemicals on-site. If recycling, replace cap and return clean containers to recycler or designated collection point. If not recycling, break, crush or puncture and bury empty containers in a local authority landfill. If no landfill is available, bury the containers below 500mm in a disposal pit specifically marked and set up for this purpose clear of waterways, desirable vegetation and tree roots. Empty containers and product should not be burnt.

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APVMA Approval No.: 62889/10/1009

Product will irritate eyes and skin. Avoid contact with eyes and skin. When preparing product for use, wear elbow-length PVC gloves and face shield (or goggles). When using controlled droplet applicator, wear protective waterproof clothing and impervious footwear. After use and before eating, drinking or smoking, wash hands, arms and face thoroughly with soap and water. After each day's use wash contaminated clothing, gloves and face shield or goggles.

APPROVED LABEL

FIRST AID

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

MATERIAL SAFETY DATA SHEET

For further information refer to Material Safety Data Sheet which can be obtained from the supplier.

NOTICE TO BUYER

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



ACTIVE CONSTITUENT: 510 g/L GLYPHOSATE present as the ISOPROPYLAMINE SALT



A non-selective water soluble herbicide for the control of a wide range of annual and perennial weeds as per the Directions for Use Table.

IMPORTANT: READ THE ATTACHED LEAFLET BEFORE USE.

20L

AC

AGROCHEM PTY LTD 192 Rainbow Street Sandgate QLD 4017 TEL: 07 3269 7427 ACN 131 628 594

PROTECTION OF CROPS, NATIVE AND OTHER NON-TARGET PLANTS

This product is non selective and may severely injure or kill desirable plants should the product contact the foliage, green stems or fruit of such plants.

DO NOT apply under meteorological conditions or under spraying conditions which could be expected to cause spray to drift onto nearby susceptible plants/crops, cropping lands or pastures.

DO NOT apply prior to transplanting tomato seedlings.

PROTECTION OF LIVESTOCK

There is no withholding period for this product but removal of stock may be necessary to achieve efficacy. It is recommended that stock be removed from the area to be treated for I day after treatment of annual weeds and for 7 days after treatment of perennial weeds. Certain plants, eg, Soursob, St John's wort, Bracken, may be toxic to stock. Where known toxic plants are present, do not allow stock to graze until complete browning of treated plants has occurred.

In a Transport Emergency Dial 000 Police or Fire Brigade

PROTECTION OF WILDLIFE, FISH, CRUSTACEANS AND ENVIRONMENT

DO NOT contaminate dams, rivers or streams with the chemical or used containers. When controlling weeds near water, refer to label directions to minimise the entry of spray into the water.

PRECAUTION

DO NOT store, mix or apply the product or spray solution in unlined steel or galvanised containers as a highly flammable gas may form. Use stainless steel, brass, copper, aluminium, plastic or plastic line, fibreglass containers or spray tanks.

STORAGE AND DISPOSAL

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

Triple or preferably pressure rinse containers before disposal. Add rinsings to spray tank. Do not dispose of undiluted chemicals on-site. If recycling, replace cap and return clean containers to recycler or designated collection point. If not recycling, break, crush or puncture and bury empty containers in a local authority landfill. If no landfill is available, bury the containers below 500mm in a disposal pit specifically marked and set up for this purpose clear of waterways, desirable vegetation and tree roots. Empty containers and product should not be burnt.

File Name 62889_48342_20L primary_MPL_V02.pdf Full Size Printed Label Dimensions 450mm wide x 160mm deep_single page Approximate Scale (%) at which the pdf will print on A4 or A3 A3 - 84% Latest Preparation Date 16/12/09

BATCH NUMBER:

APVMA Approval No.: 62889/20/1009

Product will irritate eyes and skin. Avoid contact with eyes and skin. When preparing product for use, wear elbow-length PVC gloves and face shield (or goggles). When using controlled droplet applicator, wear protective waterproof clothing and impervious footwear. After use and before eating, drinking or smoking, wash hands, arms and face thoroughly with soap and water. After each day's use wash contaminated clothing, gloves and face shield or goggles.

APPROVED LABEL

FIRST AID

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MATERIAL SAFETY DATA SHEET

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NOTICE TO BUYER

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



ACTIVE CONSTITUENT: 510 g/L GLYPHOSATE present as the ISOPROPYLAMINE SALT



A non-selective water soluble herbicide for the control of a wide range of annual and perennial weeds as per the Directions for Use Table.

IMPORTANT: READ THE ATTACHED LEAFLET BEFORE USE.

100L

AC

AGROCHEM PTY LTD 192 Rainbow Street Sandgate QLD 4017 TEL: 07 3269 7427 ACN 131 628 594

PROTECTION OF CROPS, NATIVE AND OTHER NON-TARGET PLANTS

This product is non selective and may severely injure or kill desirable plants should the product contact the foliage, green stems or fruit of such plants.

DO NOT apply under meteorological conditions or under spraying conditions which could be expected to cause spray to drift onto nearby susceptible plants/crops, cropping lands or pastures.

DO NOT apply prior to transplanting tomato seedlings.

PROTECTION OF LIVESTOCK

There is no withholding period for this product but removal of stock may be necessary to achieve efficacy. It is recommended that stock be removed from the area to be treated for I day after treatment of annual weeds and for 7 days after treatment of perennial weeds. Certain plants, eg, Soursob, St John's wort, Bracken, may be toxic to stock. Where known toxic plants are present, do not allow stock to graze until complete browning of treated plants has occurred.

In a Transport Emergency Dial 000 Police or Fire Brigade

PROTECTION OF WILDLIFE, FISH, CRUSTACEANS AND ENVIRONMENT

DO NOT contaminate dams, rivers or streams with the chemical or used containers. When controlling weeds near water, refer to label directions to minimise the entry of spray into the water.

PRECAUTION

DO NOT store, mix or apply the product or spray solution in unlined steel or galvanised containers as a highly flammable gas may form. Use stainless steel, brass, copper, aluminium, plastic or plastic line, fibreglass containers or spray tanks.

STORAGE AND DISPOSAL

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

Triple or preferably pressure rinse containers before disposal. Add rinsings to spray tank. Do not dispose of undiluted chemicals on-site. If recycling, replace cap and return clean containers to recycler or designated collection point. If not recycling, break, crush or puncture and bury empty containers in a local authority landfill. If no landfill is available, bury the containers below 500mm in a disposal pit specifically marked and set up for this purpose clear of waterways, desirable vegetation and tree roots. Empty containers and product should not be burnt.

File Name 62889_48342_100L primary_MPL_V02.pdf Full Size Printed Label Dimensions 450mm wide x 160mm deep_single page Approximate Scale (%) at which the pdf will print on A4 or A3 A3 - 84% Latest Preparation Date 16/12/09

BATCH NUMBER:

APVMA Approval No.: 62889/100/1009

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FIRST AID

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MATERIAL SAFETY DATA SHEET

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NOTICE TO BUYER

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



ACTIVE CONSTITUENT: 510 g/L GLYPHOSATE present as the ISOPROPYLAMINE SALT



A non-selective water soluble herbicide for the control of a wide range of annual and perennial weeds as per the Directions for Use Table.

IMPORTANT: READ THE ATTACHED LEAFLET BEFORE USE.

110L

AC

AGROCHEM PTY LTD 192 Rainbow Street Sandgate QLD 4017 TEL: 07 3269 7427 ACN 131 628 594

PROTECTION OF CROPS, NATIVE AND OTHER NON-TARGET PLANTS

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DO NOT apply prior to transplanting tomato seedlings.

PROTECTION OF LIVESTOCK

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In a Transport Emergency Dial 000 Police or Fire Brigade

PROTECTION OF WILDLIFE, FISH, CRUSTACEANS AND ENVIRONMENT

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PRECAUTION

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STORAGE AND DISPOSAL

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File Name 62889_48342_110L primary_MPL_V02.pdf Full Size Printed Label Dimensions 450mm wide x 160mm deep_single page Approximate Scale (%) at which the pdf will print on A4 or A3 A3 - 84% Latest Preparation Date 16/12/09

BATCH NUMBER:

APVMA Approval No.: 62889/110/1009

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FIRST AID

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



ACTIVE CONSTITUENT: 510 g/L GLYPHOSATE present as the ISOPROPYLAMINE SALT



A non-selective water soluble herbicide for the control of a wide range of annual and perennial weeds as per the Directions for Use Table.

IMPORTANT: READ THE ATTACHED LEAFLET BEFORE USE.

200L

AGROCHEM PTY LTD 192 Rainbow Street

192 Rainbow Street Sandgate QLD 4017 TEL: 07 3269 7427 ACN 131 628 594

PROTECTION OF CROPS, NATIVE AND OTHER NON-TARGET PLANTS

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DO NOT apply prior to transplanting tomato seedlings.

PROTECTION OF LIVESTOCK

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In a Transport Emergency Dial 000 Police or Fire Brigade

PROTECTION OF WILDLIFE, FISH, CRUSTACEANS AND ENVIRONMENT

DO NOT contaminate dams, rivers or streams with the chemical or used containers. When controlling weeds near water, refer to label directions to minimise the entry of spray into the water.

PRECAUTION

DO NOT store, mix or apply the product or spray solution in unlined steel or galvanised containers as a highly flammable gas may form. Use stainless steel, brass, copper, aluminium, plastic or plastic line, fibreglass containers or spray tanks.

STORAGE AND DISPOSAL

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

Triple or preferably pressure rinse containers before disposal. Add rinsings to spray tank. Do not dispose of undiluted chemicals on-site. If recycling, replace cap and return clean containers to recycler or designated collection point. If not recycling, break, crush or puncture and bury empty containers in a local authority landfill. If no landfill is available, bury the containers below 500mm in a disposal pit specifically marked and set up for this purpose clear of waterways, desirable vegetation and tree roots. Empty containers and product should not be burnt.

File Name 62889_48342_200L primary_MPL_V02.pdf Full Size Printed Label Dimensions 450mm wide x 160mm deep_single page Approximate Scale (%) at which the pdf will print on A4 or A3 A3 - 84% Latest Preparation Date 16/12/09

BATCH NUMBER:

APVMA Approval No.: 62889/200/1009

Product will irritate eyes and skin. Avoid contact with eyes and skin. When preparing product for use, wear elbow-length PVC gloves and face shield (or goggles). When using controlled droplet applicator, wear protective waterproof clothing and impervious footwear. After use and before eating, drinking or smoking, wash hands, arms and face thoroughly with soap and water. After each day's use wash contaminated clothing, gloves and face shield or goggles.

FIRST AID

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

MATERIAL SAFETY DATA SHEET

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



ACTIVE CONSTITUENT: 510 g/L GLYPHOSATE present as the ISOPROPYLAMINE SALT



A non-selective water soluble herbicide for the control of a wide range of annual and perennial weeds as per the Directions for Use Table.

IMPORTANT: READ THE ATTACHED LEAFLET BEFORE USE.

1000L



AGROCHEM PTY LTD 192 Rainbow Street Sandgate QLD 4017 TEL: 07 3269 7427 ACN 131 628 594

PROTECTION OF CROPS, NATIVE AND OTHER NON-TARGET PLANTS

This product is non selective and may severely injure or kill desirable plants should the product contact the foliage, green stems or fruit of such plants.

DO NOT apply under meteorological conditions or under spraying conditions which could be expected to cause spray to drift onto nearby susceptible plants/crops, cropping lands or pastures.

DO NOT apply prior to transplanting tomato seedlings.

PROTECTION OF LIVESTOCK

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In a Transport Emergency Dial 000 Police or Fire Brigade

PROTECTION OF WILDLIFE, FISH, CRUSTACEANS AND ENVIRONMENT

DO NOT contaminate dams, rivers or streams with the chemical or used containers. When controlling weeds near water, refer to label directions to minimise the entry of spray into the water.

PRECAUTION

DO NOT store, mix or apply the product or spray solution in unlined steel or galvanised containers as a highly flammable gas may form. Use stainless steel, brass, copper, aluminium, plastic or plastic line, fibreglass containers or spray tanks.

STORAGE AND DISPOSAL

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

For refillable containers - Empty contents fully into application equipment. Close all valves and return to point of supply for refill or storage.

	62889_48342_1000L primary_MPL_V02.pdf
Full Size Printed Label Dimensions 450mm wide x 160mm deep_single page	50mm wide x 160mm deep_single page
Approximate Scale (%) at which A3 - 84% A3 - 84%	3 - 84%
Latest Preparation Date 16/12/09	6/12/09

BATCH NUMBER:

APVMA Approval No.: 62889/1000/1009

62889_48342_leaflet_MPL_V01.pdf 520mm wide x 270mm deep_flat page 90mm wide x 130mm deep_floted page	A3 - 73% (fitat page), 100% Tiled Page 06/04/10	IMPORTANT: READ THIS LEAFLET BEFORE USING THIS PRODUCT APVMA APPROVAL NO: 62889/1009	ACTIVE CONSTITUENT: 510 g/L GL ISOPROPYLAMIN GROUP HERBICIDE A non-selective water soluble herbicide for the control of a wide range of annual and perennial weeds as per the Directions for Use Table.	AG SNV HER	3	CAUTION KEEP OUT OF REACH OF CHILDREN READ SAFETY DIRECTIONS BEFORE
File Name Full-Size Printed Label Dimensions	Approximate Scale (%) at which pdf will print on A4 or A3 Latest Preparation Date	LET AGROCHEM PTY LTD 1 92 RAINBOW STREET 1 009 TEL: 07 3269 7427 ACN 131 628 594	ACTIVE CONSTITUENT: 510 g/L GLYPHOSATE present as the ISOPROPYLAMINE SALT GROUP HERBICIDE non-selective water soluble herbicide for the ontrol of a wide range of annual and perennial veeds as per the Directions for Use Table.	NARL 510 Herbicide		en Dre opening or Using

Crop/Situation	Weeds Controlled	State(s)	Rate L/ha	Critical Comments
SOUTHERN AUSTRALIA	Barley grass (Hordeum leporinum), Wild oats (Avena spp), Volunteer cereals	NSW, ACT, VIC, WA, SA only	700mL-1L	Continued from above Annual Ryegrass, Silver Grass and Perennial
Before sowing a crop or pasture. For weed control prior to sowing a crop or	Capeweed (Arctotheca calendula), Variegated Thistle (Silybum marianum), Winter Grass (Poa annua)		900mL-1.4L	Grasses – It is recommended to use a water volume of 70L/ha or more with low volume nozzles to improve control. Addition of a non-ionic surfactant according to label directions may improve control. Do not sow if heavy trash is
pasture with minimal or no soil disturbance.	Annual Ryegrass (Lolium rigidum), Paterson's Curse/Salvation Jane (Echium plantaginium), Saffron Thistle (Carthamus lanatus), Scotch Thistle (Onopordum acanthium), Silver Grass (Vulpia spp.) Spear Thistle (Circium vulgare), Wild Mustard (Sisymbrium officinale) Wild Turnip (Brassica tournefortii)		1.0 - 1.3L	present. Seeding may proceed 1 day after spraying annual weeds and 7 days after spraying perennial weeds. Aerial Application: May be applied by air provided a good seed bed has been established. Always use the higher rates. Tank Mixtures: For improved control of dock, sorrel and sub-clover add dicamba. Read and follow all label directions for the tank mix product. Addition of
	Errodium (Errodium cicutarium), Plantain (Plantago spp.), Perennial Phalaris (Phalaris aquatica), Sorrel (Rumex acetosella), Sub Clover (Trifolium subterraneum)		1.2-1.8L	ammonium sulphate 2kg/100L may improve control when treating under adverse environmental conditions. Pasture or Crop Establishment: DO NOT sow into excessive trash. Trash may be removed by grazing after treatment. Grazing may commence one day
	Dock (<i>Rumex</i> spp.), Flatweed (<i>Hypochoeris</i>)	-	1.8L after treatment of annual weed for perennial weeds. Delay gra- where annual weeds are large. proceed when excessive trash sooner than one day after treat	after treatment of annual weeds (small) and 7 days for perennial weeds. Delay grazing for 3 days where annual weeds are large. Sowing may proceed when excessive trash is removed, but no sooner than one day after treatment of annual weeds and 7 days for perennial weeds. See also
				Aerial (or Surface) Seeding until trash is completely removed by grazing and/or plant decay. When establishing pasture, ensure application of fertiliser and insectices and follow-up management is undertaken as required.

DIRECTIONS FOR USE

RESTRAINTS

HESTHAINTS
DO NOT spray if rainfall is expected as rainfall within 6 hours of treatment may reduce the effectiveness of the product. Heavy rainfall within 2 hours of treatment may wash the product from the leaf surface and retreatment may be necessary.
DO NOT disturb treated weeds by grazing, cultivation, sowing etc after treatment for one day for annual weeds and seven days for perennial weeds to ensure complete uptake of the herbicide.
DO NOT treat weeds under any stress from frost, cold, disease waterlogging, lack of moisture or disease. Plants must be actively growing to ensure optimum uptake of the product.

Crop/Situation	Weeds Controlled	State(s)	Rate L/ha	Critical Comments
SOUTHERN AUSTRALIA Before sowing a crop or pasture.	Barley grass (Hordeum leporinum) Brome grass (Bromus unioloides spp) Volunteer cereals Wild oats (Avena fatua)	NSW, ACT, VIC, WA, SA only	350mL-700mL pre-tillering 700mL-900mL post tillering	Use the higher rate when treating in cold/ overcast conditions. When using late in the season, use the lower rate on young weeds and the higher rate on mature weeds, ie fully
For weed control prior to sowing a crop or pasture with full soil disturbance by cultivation or sowing with a tyned implement.	Annual phalaris (Phalaris canariensis) Annual ryegrass (Lolium rigidum) Silver grass (Vulpia spp) Winter grass (Poa annua) Capeweed (Arctotheca calendula) Spiny Emex/Doublegee (Ernex australis)		700mL-900mL pre-tillering 900mL-1L post tillering 350mL-700mL Less than 8cm diameter	tillered grasses or broadleaf weeds at budding or stem elongation. If weeds have been grazed heavily remove stock prior to spraying to ensure regrowth of 6-8cm before treatment and use the higher rate. To allow for herbicide uptake do not begin sowing for 1 day after application for annual
			700mL-900mL greater than 8cm diameter	weeds and 7-10 days for perennial weeds. If cultivation or sowing does not take place within 21 days retreatment may be
	Amsinkia (Amsinkia), Fumitory (Fumaria officinalis, F. muralis), Paterson's Curse/ Salvation Jane (Echium plantaginium), Saffron Thistle (Carthamus lanatus), Scotch Thistle (Onopordum acanthium), Spear Thistle (Circium, vulgare), Variegated Thistle (Silybum marianum), Volunteer Lupins (Lupinus angustgifolius), Wild Turnip (Brassica tournefortii)		700 – 900mL Less than 12cm diameter 900mL – 1L Greater than 12cm diameter	necessary. Annual Ryegrass, Silver Grass and Perennial Grasses – It is recommended to use a water volume of 70L/ha or more with low volume nozzles to improve control. Addition of a non-ionic surfactant according to label directions may improve control.

Crop/Situation	Weeds Controlled	State(s)	Rate L/ha	Critical Comments	
SOUTHERN AUSTRALIA Before sowing a crop or pasture. For weed control prior to sowing a crop or pasture with minimal or no soil disturbance.	All weeds listed above	Tas Only	1.0 – 2.0L	TAS ONLY: Use 1.0L on annual weeds and 2.0L on perennial weeds. The product may also be tank mixed with dicamba to improve control of sorrel, dock and white clover. Observe dicamba label directions and plant back periods. Addition of a wetter at 200mL/100L spray solution may improve control.	
SOUTHERN AUSTRALIA For weed control before a fallow	Barley grass (Hordeum leporinum) Volunteer cereals Wild oats (Avena spp)	NSW, ACT, VIC, WA, SA only	700mL-1.0L	Use the Lower Rate on young weeds or where cultivation is to take place within 21 days.	
Defore a fallow	Annual ryegrass (Lolium rigidum), Brome grass (Bromus spp), Capeweed (Arctotheca calendula), Paterson's curse/Salvation Jane (rosette) (Echium plantagineum) Saffron thistle (Carthamus lanatus) Scotch thistle (Onopordum acanthium), Silver grass (Vulpia ssp) Spear thistle (Cirsium vulgare)		1.0-1.3L	Use the Higher Rate where broadleaf weeds reach stem elongation/budding or where grasses are fully tillered. If weeds have been grazed heavily remove stock prior to spraying to ensure regrowth is 6-8cm before treatment and use the higher rate. Soursob – Treat at tuber exhaustion. Hoary Cress – Treat from late rosette to early flowering.	
	Wild radish (Raphanus raphanistrum), Wild mustard (Sisymbrium officinale)			Annual Ryegrass, Silver Grass and Perennial Grasses – It is recommended to use water	ŝ
	Wild turnip (Brassica tournefortii) Hoary cress (Cardaria draba)		1.0	volumes of 70L/ha or more with low water volume nozzles to improve control. Addition of a non-ionic surfactant according to label	
	Soursob (Oxalis pes-caprae)			directions may improve control.	
				directions may improve control.	

Crop/Situation	Weeds Controlled	State(s)	Rate L/ha	Critical Comments	Crop/Situation	Weeds Controlled	State(s)	Rate L/ha	Critical Comments	RICE DIRECT DF	ILLING FOR NSW ONLY			Weeds controlled	State	Boom L/ha	Handgun	Knapsack mL/15L	Critical Comments														
SOUTHERN	Dock – seedling (Rumex crispus)	NSW, ACT, VIC,	700mL -1L	Continued from above	NORTHERN	Annual Phalaris (Phalaris spp) Barley	NSW, Qld only	350mL-700mL	Use the Lower Rate on young weeds or	Crop/Situation	Weeds Controlled	Rate L/ha	Critical Comments				Vol/100L																
or pasture. For weed control prior to sowing a crop or pasture with full soil	Perennial Phalaris (Phalaris), Skeleton Weed (Chondrilla juncea), - fully emerged rosettes (NSW only), Sorrel (Rumex acetosella), Sour Sob (Oxalis pes-caprae), Sub Clover (Trifolium subterraneum)	WA, SA only	1L	Crop Establishment: Sowing should not proceed until conditions allow for the formation of satisfactory seedbed. See Crop Establishment for directions. Tank Mixtures: For improved control of clover add dicamba. Read and follow all label	AUSTRALIA For weed control prior to sowing a summer or winter crop or in a fallow.	grass (Hordeum vulgare) Volunteer cereals, Wild Oats (Avena fatua) Barnyard grass (Echinochloa spp) Liverseed grass (Urochloa panicoides), Stinkgrass (Lovegrass) Eragrostis currula), Sweet summer grass Volunteer		700mL-1.4L	where cultivation is to take place within 21 days. Use the Higher Rate where broadleaf weeds reach stem elongation/budding or where grasses are fully tillered. At more advanced stages certain broadleaf weeds may require the higher rate range or the	Rice Direct Drilling	Annual phalaris (Phalaris canariensis) Annual ryegrass (Lolium rigidum) Barley grass (Hordeum leporinum) Burr media (Medicago spp) Sub-clover (Trifolium subterraneum) Winter grass (Poa annua)	700-900mL	If plants are drought stressed a pre watering must be applied. If the site has been grazed allow plants to regrow to 6-8cm before treatment. For the control of Annual Ryegrass use the higher rate and add a suitable non-ionic wetting agent at recommended rate. Crop Sowing – Sow 1-14 days after treatment. Residual control will only be	Johnson Grass (Sorghum halepense), Kangaroo Grass (Themeda australis), Kikuyu (Pennisetum clandestinum)	All States	4.2L	700mL	100mL	Apply to actively growing plants at early head stage. May be applied by Wiper equipment to Johnson Grass.														
disturbance by cultivation or sowing	,			directions for the tank mix product. For perennial weeds, perennial phalaris, Soursob, Skeleton Weed and Sorrel, this product will		sorghum (Sorghum halepense)	_	700mL-1.0L	addition of 2,4-D. In winter (cold) conditions, symptoms on Deadnettle may be slow to	SORGHUM CON	 TROL		achieved by adding another suitable herbicide.	Lovegrass – African (Eragrostis curvula)	VIC, NSW, ACT, WA on		700mL	100mL	Apply to actively growing plants. To restrict seedling re-establishment pasture improvement is recommended.														
with a tyned implement.				provide knockdown, seasonal suppression		gracilis)-(QLD only), Cudweed		700mL-1.0L	If weeds have been grazed heavily remove	Crop/Situation		te(s) Rate L/ha	Critical Comments	Nutgrass (Cyperus rotundus)	All States	4.2L	700mL	100mL	Non cultivated situations: Apply to actively growing plants in February-April.														
SOUTHERN	All the above weeds	Tas only NSW, ACT, VIC,	1.0L-2.0L	and reduction in the treated plant numbers. TAS ONLY: Use 1.0L on annual weeds and 2.0L on perennial weeds. The product may also be tank mixed with dicamba (200g/L) to improve control of sorrel, dock and white clover. Observe dicamba label directions and plant back periods. Addition of a non-ionic surfactant according to label directions may improve control. Use the higher rate when treated in cold/		(Gnaphalium luteo), Fumitory (Fumaria officinalis), Mexican poppy (Argernone ochroleuca), Mint weed (Salvia reflexa), New Zealand spinach (Tetragonia tetragonoides) Noogoora burr (Xanthium pungens)" Saffron thistle (Carthamus lanatus), Spear thistle (Cirsium vulgare), Spurge (Euphorbia spp), Variegated thistle (Silybum marianum)" Volunteer sunflower' Yellowvine (Caltrop) (Tribulus terrestris)	,		stock prior to spraying to ensure regrowth is 6-8cm before treatment and use the higher rate. Liver Grass and Barnyard Grass may be very sensitive to moisture stress. Dense stands may require re-treatment. For aerial application see General Instructions. DO NOT apply by air if temperature is over 30°C. *Larger Plants (>5cm) of Noogoora Burr, Variaget Dictle and Voluntars Surfaguer	Sorghum Control before Harvest	Grain sorghum Qld, N (Sorghum bicolour)	p a n b ti tr r e h	DO NOT apply to varieties intended for seed production or varieties prone to lodging. DO NOT apply to crops under stress from factors such is waterlogging, frost, disease, low moisture etc. Apply when grain noisture is less than 25%. The product can be applied when some rowning has occurred. Use the Lower Rate for control of the crop, late likers and ratoon regrowth. Use the higher rate for better suppression of atoon regrowth. Use the higher rate for better suppression of atoon regrowth. Treatment may increase potential for crop lodging specially if the crop has been stressed by low moisture. In this situation narvest as soon as possible after sufficient dry brown to prevent further pdging. CAUTION: Sorghum may be naturally toxic to stock.	(Cyperus rotundus) Pampas Grass (Cortaderia spp.)	All States	2.1L + 2.1L	500mL + 500mL 700mL or 900mL	70mL + 70mL 100mL or 130mL	Cultivated Situations: Make first application when at least 20% of plants have reached early head stage (about Feb). Make the second application when most plants have re-emerged (about 6-8 weeks after first application). Follow u treatments may be necessary as further plants emerge. Apply to in spring, summer or autumn to actively growing plants. Ensure complete coverage of the foliage. Best results are obtained if plants are sprayed at flowering. Use the lower rate for plants under 1m tall and the higher rate for larger														
AUSTRALIA Before sowing a crop or pasture. For weed control prior		WA, SA only		overcast conditions, when using late in the season. Use the lower rate on young weeds and the higher rate on mature weeds, ie fully tillered grasses or broadleaf weeds at		Wireweed (Polygonum aviculare) Boggabri weed (Amaranthus macrocarpus). Caltrop (Tribulus	_	700mL-1.0L Crop Establishment: Sowing should not 350mL-700mL up proceed until conditions allow for formation to 350m - 700mL up a satisfactory seedbed. See Crop	700mL-1.0L may require up to 1.3L to achieve control. Crop Establishment: Sowing should not proceed until conditions allow for formation	700mL-1.0L may require up to 1.3L to Crop Establishment: Sowi 350mL-700mL up proceed until conditions a	700mL-1.0L may require up to 1.3L Crop Establishment: So 350mL-700mL up proceed until condition	700mL-1.0L may require up to 1.3L to achieve control. Grop Establishment: Sowing should not proceed until conditions allow for formation	Crop Establishment: Sowing should not proceed until conditions allow for formation	may require up to 1.3L to achieve control. Crop Establishment: Sowing should not proceed until conditions allow for formation	00mL-1.0L may require up to 1.3L to achieve control. Crop Establishment: Sowing should not 50mL-700mL up proceed until conditions allow for formation	00mL-1.0L may require up to 1.3L to achieve control. Crop Establishment: Sowing should not 50mL-700mL up proceed until conditions allow for formation	may require up to 1.3L to achieve control. Crop Establishment: Sowing should not proceed until conditions allow for formation	may require up to 1.3L to achieve control. Crop Establishment: Sowing should not proceed until conditions allow for formation	may require up to 1.3L to achieve control. Crop Establishment: Sowing should not up proceed until conditions allow for formation	0L may require up to 1.3L to achieve control. Crop Establishment: Sowing should not 10mL up proceed until conditions allow for formation	00mL-1.0L may require up to 1.3L to achieve control. Crop Establishment: Sowing should not proceed until conditions allow for formation	700mL-1.0L may require up to 1.3L to achieve control. Crop Establishment: Sowing should not 350mL-700mL up proceed until conditions allow for formation	may require up to 1.3L to achieve control. Crop Establishment: Sowing should not proceed until conditions allow for formation	After Harvest (gra	Sorghum stubble (grain sorghum) (Sorghum bicolor)	for new fr regrowth from a slashed if	DO NOT apply if plants are stressed from such factors as waterlogging, rost, disease, low moisture etc. For slashed stubble and spring regrowth pply when regrowth is at least 20cm high. Standing Stubble – apply only is utificient green leaf is present. Allow regrowth of at least 20cm if grazing	Paragrass (Brachiara mutica)	All States	6.3L	900mL	130mL	plants. Plants may be cut prior to application but regrowth must be at least 1m prior to spraying. Apply to actively growing plants at early head stage.
to sowing a crop or pasture with minimal				budding or stem elongation. If weeds have been grazed heavily remove stock prior to spraying to ensure regrowth of		terrestris), Indian hedge mustard (Sisymbrium orlentale), Mintweed (Salvia	2	5 true leaves	Establishment for directions. Sowthistle: Previously grazed plants may be			1.2-1.6L for standing green	as occurred. Use the lower Rate for knockdown and regrowth suppression where cultivation is to follow. Use the Higher Rate for better control of regrowth. It is important to note that variable results can occur	Paspalum (Paspalum dilatatum)	All States	4.2L	700mL	100mL	Apply to actively growing plants at early head stage.														
or no soil disturbance.				6-8cm before treatment and use the higher rate.		reflexa), Summer Grass (Digitaria ciliaris)		OR 700mL-1.0L greater than 3cm in height or diameter or 5 true leaves	difficult to control without allowing full recovery.			stubble. 800mL – 1.2L for fresh spring rearowth	the crop has been under stress or grown under marginal conditions. The varieties Ruby, Trump, Nugget 2, Goldrush 2 and Prize are particularly usceptible if growing conditions are not ideal. CAUTION: Sorghum may be naturally toxic to stock.	Phalaris (Phalaris aquatica)	SA, VIC, NSW, ACT only	2.1L or 4.2L	350mL or 700mL	100mL	Apply in winter-spring to actively growing plants. Use Lower Ra where only knockdown is required such as prior to burning for a fire break. Burning should not take place for 2-3 weeks after spraying. Higher Rate should be used for longer term control.														

Crop/Situatio NORTHERN AUSTRALIA For weed control pi to sowing a summe winter crop or in a fallow.

PASTURE REM

Crop/Situatio Pasture with Poa Tussock present as a weed. For pasture renovation

Pasture with Bent Grass present as a weed. For control/ suppression of Bel Grass before sowin a crop or pasture

tion	Weeds Controlled	State(s)	Rate L/ha	Critical Comments
el prior Inmer or a	Annual ground cherry (Gooseberry) (Physalis angulata), Bladder ketmia (Hibiscus trionum),Sowthistle (Sonchus oleraceus) Turnip weed (Rapistrum rugosum) Wild lettuce (Lactuca saligna) Wild Turnip (Brassica tournfortii)	NSW, Qld only	700mL – 1.0L prior to stem elongation/ budding OR 1.0-1.3L after stem elongation/ budding	AS ABOVE
ENOV	ATION AND TOPPING			

ation	Weeds Controlled	State(s)	Rate L/ha	Critical Comments
oa nt	Most annual weeds (see previous table) and Poa tussock (<i>Poa labiliadieri</i>)	QLD, NSW, ACT, VIC, TAS only	2.1 – 2.8L	Before spraying – graze heavily, remove stock 14 days or more before treatment, apply after autumn break when plants are actively growing but before frosts begin (March – May). Increasing to the higher rate may give more effective reductions. Sowing of new pasture may begin 14 days after sowing. It is essential that correct follow-up pasture establishment and management occurs after treatment. Spot treatment will limit re-infestation. May be aerially applied.
ent as a f Bent cowing ure	Annual weeds (see Annual Weeds table) and Bent Grass (<i>Agrostis tenuis</i>)	TAS, VIC only	1.8L	Apply late spring when seed heads have developed but before the onset of summer moisture stress. Remove stock prior to spraying to achieve good foliage cover. Ensure plants are actively growing. 10-21 days after spraying, fully disturb soil with a tyned implement and then sow summer crop and/or re-seeded pasture or crop the following autumn.

ANNUAL WEEDS - FOR ALL STATES

Crop/Situation	Rate L/ha	Critical Comments
Amaranth (Amaranthus spp), Barley grass (Hordeum leporinum), Barnyard grass (Echinochioa spp), Brome grass (Bromus spp), Caltrop (Tribulus terrestris), Canary Grass (Phalaris spp.), Capeweed (Arctofheca calendula), Cereals - volunteer (barley, wheat, oats, sorghum), Chickweed (Stellaria media), Cobbler's Peg (Bidens pilosa), Fumitory (Fumaria officinalis, F. muralis), Ground Cherry (Physalis angulatis), Lesser Swinecress (Coronopus didymus), Liverseed grass (Urochioa panicoides), Mintweed (Salvia reflexa), Paradoxa Grass (Phalaris paradoxa), Paterson's Curse/Salvation Jane (Echium plantagineum), Pigweed (Portulaca oleraces), Potato Weed (Galinsoga pariflora), Ryegrass – annual (Lolium plantagineum), Pigweed (Carthamus lanatus), Silver grass (Vulpia spp), Sow Thistle (Sanchus oleraceus), Spear Thistle (Circlum vulgare), Spiny Bur Grass (Canchus spp.), Spurg (Euphorbia spp.), Sub-clover (Trifolium subterraneum), Wild mustard (Sisymbrium officinale), Wild Oats (Avena fatua), Wild turnip (Brassica tourneforti), Winter Grass (Poa annua), Variegated Thistle (Silybum marianum)	BOOM 1.3-2.1L/ha HANDGUN 350-490mL per 100L KNAPSACK 50-70mL per 15L	Apply only to plants which are actively growing and not suffering stress. Use the Lower Rate for weeds up to 15cm and the Higher Rate for weeds over 15cm. The effects of the product may take 3-7days to appear under normal condition: and up to 20-30 days in cold conditions. NO residual control will be provided by this product. Germinations after initial treatment may have to be resprayed For residual control the product should be tank-mixed with a suitable residual herbicide.

PERRENIAL WEEDS

Weeds controlled	State	Boom L/ha	Handgun Vol/100L	Knapsack mL/15L	Critical Comments
Bamboo (<i>Bambusa</i> spp.)	All States	-	700mL	100mL	Apply to actively growing foliage and/or regrowth which are between 1 and 2m tall. Cut stump – dilute the product 1:6 ie one part AC SNARL 510 to 6 parts water, cut stems back to 20cm high, pour mixture down hollow stem or paint the cut.

Crop/Situation	Weeds Controlled	State(s)	Rate L/ha	Critical Comments
Pasture Topping for the reduction of seed	Annual ryegrass (Lolium rigidum), Calomba Daisy (Pentzia suffruticosa)	NSW, ACT, VIC, SA, WA, TAS only	330mL	Use the Higher Rate for heavy infestation or where annual ryegrass is present. Apply
set of annual grasses, Capeweed and Calomba Daisy.	Barley grass (Hordeum leporinum) Brome grass (Bromus unioloides) Capeweed (Arctotheca calendula) Silver grass (Vulpia spp)		210-330mL	before "haying off". Annual Ryegrass and Capeweed – Apply at Flowering. Other Weeds - Apply at head to milky doug stage. Stock should be removed before spraying to allow regrowth. Pasture legume: may be affected. Do not apply medic/clover crops to be used for hay or seed. Apply a maximum of 50L/ha water. Above this water volume add a non-ionic surfactant.
Pasture Manipulation for the control/ suppression of certain	Carpet grass (Axonopus spp) Kikuyu (Pennisetum clandestinum) Paspalum (Paspalum dilatatum)	WA, NSW, ACT, VIC only	1.0-4.2L	Apply the Lower Rate for suppression only. The Higher Rate will provide control. Leaucana – (QLD Only)
grasses before sowing soybeans,	Carpet grass, Paspalum	QLD only	1.0-4.2L	Rows should be 4m apart. Use 1.8L/ha with a single taper fan nozzle LFI-80 mounted at
forage crops or	Kikuyu		440mL-4.2L	the rear of a single row planter giving a 1m
Leucaena	Black Spear Grass (Hederopogon contortus), Wire Grasses (Aristida spp.), Love Grasses (Eragrostis spp.), Red Natal Grass (Rhynchelytrum repens), Barbed Wire Grass (Cymbopogon refractrus)		2.1L	swath.

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ion	Weeds Controlled	Rate L/ha	Critical Comments								
	Q63, Q87, Q90, Q102, Q117, Q120, Q129, Q130, H56-752, Pindar, Triton	2.1-2.8L	Apply when ratoons are actively growing and are 60-100cm tall. DO NOT apply if plants are under stress from water								
	Q86, Q96, Q113	2.8-3.5L	logging or low moisture. Use the Lower Rate for suppression or where control by cultivation in planned. Use the Higher								
	Cassius, Q115, Q122, Q94	3.5–4.2L	Rate for control. Boom height must allow for correct overlap								
	NCO310, Q107	4.2-6.3L	of the spay pattern at the top of the crop canopy.								

Weeds controlled	State	Boom L/ha	Handgun Vol/100L	Knapsack mL/15L	Critical Comments
Bent grass (Agrostis capillaris)	Vic, Tas only	1.8L	350mL	50mL	Apply to plants which have some seed-head development late in the spring. Plants must be actively growing. It is necessary to follow-up spaying with full soil disturbance within 21 days and then plant to a summer crop and/or re-seeded pasture or crop in autumn.
Blady Grass (Imperata cylindrica)	NSW, ACT, Qld only	6.3L	900mL	140mL	Apply to actively growing plants when most plants have reached the head stage.
Bracken (Pteridium esculentum)	All States	-	1.0L	160mL	For best control Wiper application is recommended. Bracken should be slashed in the previous Winter/Spring so that application is made to new growth. Apply to actively growing fully unfurled fronds in Autumn (March – May) before the onset of frosts. Symptoms may be very slow to appear. Follow up treatment as control will NOT be achieved after one treatment.
Carpet Grass (Axonopus spp.)	All States	2.1L	350mL	50mL	Apply to actively growing plants at early head stage.
Cocksfoot (Dactylis glomerate)	All States	2.1L	500mL	70mL	Apply to actively growing plants at early head stage.
Couch (Cynodon dactylon)	All States	6.3L	900mL	130mL	Apply to actively growing plants when most plants are at the early head stage. For best results in WA and SA apply in Oct-November.
Flat Weed/Cat's Ear (Hypochoeris radicata)	All States	2.1L	500mL	70mL	Apply at early flower stage to fully developed rosettes.
Guinea Grass (Panicum maximum)	All States	6.3L	900mL	130mL	Apply to actively growing plants at early head stage. May be applied by Wiper equipment.
Hoary Cress (Cardaria draba)	NSW, ACT, Tas, VIC only	1.0L	350mL	50mL	Apply late July to early September to actively growing plants at the late rosette to flowering stage. Ensure plants are not stressed at time of spraying. Where stems are long enough, wiper equipment may be used. TAS: Add a non-ionic surfactant at the recommended rate.

Weeds controlled	State	Boom L/ha	Handgun Vol/100L	Knapsack mL/15L	Critical Comments
Plantains (<i>Plantago</i> spp.)	All States	2.1L	500mL	70mL	Apply to actively growing plants at the early head stage. Symptoms may be slow to appear.
Prairie Grass (Bromus unioloides), Qld Blue Grass (Dichanthium sericeum), Red-leg Grass (Bothriochloa ambigua), Rhodes Grass (Chloris gayana)	All States	4.2L	700mL	100mL	Apply to actively growing plants at the early head stage.
Rope Twitch (Agropyron repens)	Tas, Vic only	4.2L	700mL	100mL	Apply in late summer-autumn to actively growing plants with foliage at least 20cm high. To ensure maximum shoot emergence the area should NOT be cultivated in the period from the preceding Winter until the time of spraying.
Sorrel (Rumex acetocella)	All States	4.2L	700mL	100mL	Apply to actively growing plants when the majority of plants are at the early bud stage.
Soursob (Oxalis pes-caprae)	NSW, ACT, VIC, TAS, WA, SA only	1.0L	350mL	50mL	Apply to actively growing plants late July to early September prior to plant senescence (yellowing). Ensure plants are not stressed at time of application. If plants have been grazed or frosted allow regrowth before treatment.
St John's Wort (Hypericum perforatum)	All States	2.1L	350mL	50mL	Apply to actively growing plants at flowering to post flowering. Procumbent stem stage (about Nov-May). Pasture improvement or re-treatment may be necessary to prevent seedling re-establishment.
Thistle – Artichoke (Cynara cardunculus)	SA, Vic only	2.1L	350mL	50mL	Apply when plants are at the rosette to early head stage.
Thistle – Californian (Circium arvense)	Vic Tas only	4.2L	350mL	50mL	Apply to actively growing plants at flowering stage. To ensure maximum shoot emergence the areas should not be cultivated prior to spraying. Re-treatment and/or pasture improvement may be necessary to restrict seedling re-establishment.

Weeds controlled	State	Boom L/Ha	Handgun Vol/100L	Knapsack mL/15L	Critical Comments
Brown Beetle Grass	NSW, ACT only	2.1L	55mL	350mL	Apply to actively growing plants. DO NOT apply to partially submerged plants.
Cumbungi (<i>Typha</i> spp.)	All States	6.3L	140mL	900mL	Spray during Summer or Autumn during the heading stage. Except for Tasmania, Wiper equipment can be used. Refer to information on Application Equipment Section of the label.
Paragrass (Brachiara mutica)					Spray at early head stage when plants are in active growth.
Phragmites Common Reed (Phragmites australis)					If the Wiper technique is to be used, refer to "Wiper Equipment" section in this booklet. Spray when plants are getting close to early head stage and actively growing. Spray symptoms may not be observed for a season or more.
Rushes (Juncus spp)	All States	See	e Critical Comm	ents	Use Wiper Technique ensuring a high percentage of green
Sedge – Tall (Cyperus gracilis)	NSW, ACT, TAS, VIC only				matter is present. Refer to section of this booklet entitled "Wiper Equipment" for directions for use.
Water Couch (Paspalum distichum)	All States	6.3L	140mL	900mL	Spray actively growing plants in February/March. 75% of plants should be visible above the water line at the time of spraying.

GENERAL USES - FOR ALL STATES UNLESS SPECIFIED

Situation	State	Rate	Critical Comments
Agricultural Areas	See Weeds Controlled Table	See Weeds Controlled Table	For the control of weeds listed in "Weeds Controlled" prior to sowing of any crop.
Domestic areas, Commercial and Industrial Areas, Public Service Areas, Rights of Way	for Annual and Perennial Weeds and Brush and Woody Weeds	7mL per litre of water	Ensure weeds are actively growing at time of application. Complete and uniform coverage is necessary to ensure the best results. Symptoms may take 3-21 days to appear. NO residual control is provided.

Weeds controlled	State	Boom L/ha	Handgun Vol/100L	Knapsack mL/15L	Critical Comments	
Yorkshire Fog (Holcus lanatus)	All States	2.1L	500mL	70mL	Apply to actively growing plants at the early head stage.	

WOODY WEEDS AND BRUSH

Weeds controlled	State	Handgun Vol/100L	Knapsack mL/15L	Critical Comments
Bitou Bush/Boneseed (Chrysanthemoides monilifera)	NSW, ACT, QLD, VIC, TAS only	350mL or 700mL	50mL or 100mL	Apply to actively growing plants. Do not treat plants which are stressed, particularly drought stressed. Spray to wet all foliage. Best results are achieved when treated during winter at peak flowering time. Use Higher rate on larger bushes. Follow-up treatment may be required to prevent the establishment of germinating weeds.
Blackberry (Rubus fruticosus)	All States	700mL or 900mL	100mL or 130mL	Apply from January to May (flowering to leaf fall). Spray plants which are not under stress, to thoroughly wet all foliage. Use the Higher Rate for dense, old stands over 2m high. Further treatment may be needed to control seedlings and regrowth. Symptoms may be slow to appear and may not be apparent until next season. TAS ONLY - Do not spray bushes bearing mature fruit.
Box Thorn (Lycium ferocissium)	All States	500mL or 700mL	70mL or 100mL	Spray to wet all foliage. Use Lower Rate for young bushes and Higher Rate for bigger mature bushes. Do not spray if conditions are hot and dry. Regrowth and seedling germination may have to be retreated.
Crofton Weed (Eupatorium adenophorum)	NSW, ACT, Qld only	350mL	50mL	Apply to plants with full foliage which are actively growing. Spray to wet all foliage. Seedling germination may have to be retreated.
Groundsel Bush (Baccharis halimifolia)	QLD, NSW, ACT only	500mL or 700mL	70mL - 100mL	Apply to actively growing plants using Higher rate for plants over 2m tall. Do not spray during summer drought stress conditions or in winter. Spray to wet all foliage. Seedling germination may have to be re-treated.
Hawthorn (Crataegus spp)	NSW, ACT, VIC, TAS, WA, SA only	700mL – 900mL	100mL – 130mL	Spray from flowering to leaf fall when plants are actively growing. Use the higher rate for plants over 2m tall. Spray to thoroughly wet all foliage. Seedling regrowth may have to be retreated.

Weeds controlled	State	Handgun Vol/100L	Knapsack mL/15L	Critical Comments
Lantana (Lantana camara)	NSW, QLD only	700mL	100mL	Apply to plants with full foliage which are actively growing. Spray to thoroughly wet all foliage and individual plants. Seedling regrowth may have to be retreated.
Mistflower (Eupatorium riparium)	NSW, ACT, QLD only	350mL	50mL	Apply to actively growing plants with full foliage. Spray to thoroughly wet all foliage. Seedling regrowth may have to be retreated.
Sifton Bush/Chinese Scrub (Cassinia arcutata)	NSW, ACT, QLD only	700mL – 900mL	100mL or 130mL	Apply to actively growing plants ensuring complete coverage. Seedling regrowth may have to be retreated. For high volume applications use Higher rate when bushes are over 1m. For Wiper application a doubl pass application is required. Best results are achieved if bushes are less than 1m tall and are green at time of application.
Sweet Briar (Rosa rubiginosa)	NSW, ACT, VIC, TAS, WA, SA only	1.0L or 1.3L	160mL or 210mL	Apply from late flowering to leaf fall to actively growing plants. Spray to thoroughly wet all foliage. Use the Higher Rate for bushes over 1.5m tall. Seedling regrowth may have to be retreated.

Weeds controlled	State	State	Weeds	Rate	Critical Comments
Aquatic Areas For the control of emerged weeds in all bodies of fresh and brackish water which may be flowing, non-flowing or transient. Also for weeds on margins of streams, lakes and dams and in channels and drains.	All States	All States	For specif of applica refer to AC WEEDS ta below.	ic rates tion QUATIC	Reduction in effectiveness may result if more than 1/4 of the aboveground portion of the weed is submerged at treatment. Submerging the treated plants following treatment may result in spray being washed from the plant surface, thus reducing effectiveness. DO NOT apply this product within 0.5km of potable water intake in flowing water (eg river or stream) or within 0.5km of a potable water intake in a standing body of water such as a lake, pond or reservoir. Applications to moving bodies of water should be made while travelling upstream wherever possible to prevent concentration of this herbicide in water. When making bankside applications, do not overspray more than 0.5m into open water. Avoid spraying across moving bodies of water where weeds do not exist. DO NOT ADD EXTRA SURFACTANT/WETTER, UNLESS IT IS APPROVED IN AQUATIC SITUATIONS. When spraying floating weeds, use a low volume, low pressure boom sprayer or sprinkle sprayer. Do not submerge weeds when spraying as this may wash herbicide off leaves. When emerged infestations require treatment of the total surface area of impounded water, treating and the streatment of the total surface area of impounded water, treating and the surface area of

Situation	State	Rate	Critical Comments
Forestry Situations	Controlled Table for Annual and Perennial Weeds and Brush and Woody Weeds	See Weeds Controlled Table	The product may be used in site preparation before planting, before establishment of nurseries, amongst established trees by using selective wiper equipment, directed or shielded spray. The product must NOT contact foliage or green bark of desirable trees. The wiper should not contact any part of the tree.
HORTICULTURAL CROPS Avocado, Bananas, Blueberies, Citrus Fruits, Custard Apples, Duboisia, Figs (Dessert), Guava, Kiwifruit, Litchi, Mango, Monstera, Nuts (Almond, Pecan, Macadamia, Pistachio, Walnutf, Olives, Paw Paw, Persimmon, Pome Fruit, Stone Fruit, Raspberies, Tea, Vineyards			The product can be used as a shielded or directed spray, or using Wiper equipment. DO NOT apply near trees or vines less than 3 years old unless they are adequately protected from spray and spray drift. DO NOT allow spray or spray drift to contact bark, leaves, wounds or any other plant parts as severe injury may occur. Tea- Apply a maximum of 2.8L/ha be a shielded spray or a directed off centre nozzle or 0.35L/100L by directed handgun or knapsack to avoid injury to the crop.
Pasture			The product may be used by the following methods: Spot Application – To remove weeds by spot application within a pasture. This product is non-selective and may damage or kill any plant in the sprayed area. To prevent seedling re-establishment pasture improvement and/or retreatment may be necessary. Boom Application – This product may be used to suppress or kill existing pasture prior to reseeding or establishment of other crops. Selective Application – see Wiper Equipment under General Instructions.
Peanuts, Cotton, Soybeans and Sugar Cane (USING SELECTIVE APPLICATION EQUIPMENT ONLY) QLD, NSW Only			WIPER EQUIPMENT Apply to the weeds growing between the rows or to weeds growing at least 15cm above the crop. DO NOT allow the herbicide to contact the crop or to drip from the applicator as serious crop injury may occur. SHIELDED SPRAYERS (Cotton only) Apply to the weeds growing between the rows using a shielded sprayer. DO NOT apply unless the crop is at least 20cm high. DO NOT allow herbicide to drift or to contact crop.

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

WITHHOLDING PERIOD: NOT REQUIRED WHEN USED AS DIRECTED

General Instructions

Mode of Action

AC SNARL 510 Herbicide is a water soluble liquid herbicide. The product is non-selective and will control a wide range of emerged annual and perennial weeds. It provides no residual activity and is inactivated once it comes into contact with the soil. The product is absorbed by plant leaves and green stems and is then translocated throughout the plant to the root system. The product inhibits a plant enzyme causing a breakdown in the metabolic pathway leading to the death of the plant. Visual effects of product efficacy are a gradual wilting, yellowing leading to complete plant browning. For annual weeds effects are usually apparent in 3-7 days and for perennial weeds up to 14-21 days. The time taken for these effects to appear will vary depending on the speed of translocation which will be dependent on climatic conditions such as temperature, moisture conditions etc. Best results are obtained if plants are sprayed when they are actively growing and not under any stress from such factors as disease, waterlogging insect damage, drought stress etc. To ensure that the product is adequately absorbed by weeds it is recommended that spraving be delayed if rainfall is expected. Rain up to 6 hours after application may reduce efficacy of the product and heavy rain within 2 hours may necessitate re-treatment. Plants which are covered in dust or which are wet with dew should not be treated.

Crop Establishment

Where the product is used to control weeds prior to the establishment of a new crop or pasture it is important that the crop or pasture not be sown until a suitable seed bed is present. Where a light cover of weeds has been sprayed, it may be possible to sow in one day. Where a large amount of dead weed matter or trash is present the seed bed needs to be adequately prepared before crop or pasture sowing.

Mixing and Application

AC SNARL 510 Herbicide may be applied by boom spray, air, knapsack, handgun or wiper application. Boom Application: Spray volumes of 25-100L water/ha are recommended with a fan nozzle at pressures of 240-280kPa. Boom height must be set to ensure double overlap of spray patterns at the top of the weed canopy.

Wiper Application: (eg ropewick, canvas, carpet or felt applicators) may be used to apply the product in the situations as per the directions for use table. Weeds should be at least 15cm above the crop and the wiper equipment should be operated at least 10cm above the crop. Best results are obtained with lower speeds of application (do not exceed 8 kilometres per hour) and where two applications are made in opposite directions, ie double pass. Where herbicide does not contact foliage (due to different levels of foliage) results may not be satisfactory and re-treatment may be required. Do not store a mixed solution for more than 2 days. Rate: 700mL product to 2 litres of water.

Aerial Application: Apply a minimum spray volume of 20L/ha for Micronair and boom equipment. Droplet size should be 250-350 micron and the swath width 15-17 metres. Aerial application is only recommended in pasture or fallow situations before establishment of a new crop or pasture or in pre-harvest sorghum. On sloping ground, the spraying height may vary so it is recommended that the spray volume be increased to 30-80L/ha with a droplet size of at least 300micron. Since the product is non-selective, it is important to avoid spraying in conditions likely to cause drift, eg Wind over 8kph, temperature inversion, still air and hot dry days. Do not use in intensive horticultural areas. Use recommended rates specified in this label up to a maximum limit of 2.8L/ha. Application in Hot Conditions: When the temperature reaches 25°C, increase the water volume to at least 30L/ha and droplet size to at least 300micron VMD to compensate for additional evaporation of sprayed droplets. DO NOT use by air in temperatures above 30°C. Surfactant: The addition of surfactant may improve weed control where water rates are high or product rates are low. Suggested surfactant rates are 200mL/100L of 1000g/L non-ionic surfactant or 250-500mL of 700g/L surfactant. Do not add spraying oils, agricultural chemicals or any other material except as directed on the label.

should be undertaken

3. Add the rest of the water. 4. Add surfactant last.

broaden the spectrum of weeds and to add residual control. Refer to the "Directions for Use" Section for detailed information on the tank mix situations. Additives: Crystalline ammonium sulphate assists in minimising antagonism when mixed with flowable triazine herbicides. The only form of ammonium sulphate to be used is the crystalline form (not prilled or granule forms). Test the quality by dissolving 2 tablespoons in 2 litres of water. Swirl gently for 2 minutes. Should undissolved particles still remain at the end of that time, pre-dissolve them prior to adding product to spray tank. Ensure solution is poured through a screen.

Herbicides

triasulfuron, MCPA, oxyfluorfen*. than 15°C). See Directions below.

Insecticides: Chlorpyrifos, dimethoate, fenitrothion, omethoate.

adding to the spray tank. Refer to Flowright label for full directions. For tank mixing the following procedure should be undertaken: 1. Half fill tank and start agitator. 2. Add crystalline ammonium sulphate if required through mesh screen. 3. Add companion product. 4. Add AC SNARL 510 Herbicide and rest of the water. 5. Add surfactant and maintain agitation while spraying.

EQUIPMENT MAINTENANCE AND USAGE

AC SNARL 510 Herbicide should ONLY be stored, mixed or applied in plastic or plastic lined, stainless steel, aluminium, copper, brass or fibreglass containers. The product and spray solutions react with galvanised steel and unlined steel tanks and containers to form hydrogen gas which may form a highly combustible gas mixture. This gas could cause an explosion if ignited by an open flame. All application equipment including tanks, nozzles, hoses, aircraft and aircraft landing gear should be thoroughly washed after use to prevent

RESISTANT WEEDS WARNING

AC SNARL 510 Herbicide is a member of the glycine group of herbicides. AC SNARL 510 Herbicide has the inhibitors of EPSP synthase herbicides mode of action. For weed resistance management AC SNARL 510 Herbicide is a group M herbicide. Some naturally occurring weed biotypes resistant to AC SNARL 510 Herbicide and other group M 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 AC SNARL 510 Herbicide or other group M herbicides. Since the occurrence of resistant weeds is difficult to detect prior to use, AgroChem Pty Limited accepts no liability for any losses that may result from the failure of AC SNARL 510 erbicide to control resistant weeds.

Mixing: When the product is to be mixed with water it is important that clean water be used. Dirty water or hard water containing calcium salts may reduce the product's effectiveness. The following procedure for mixing

1. Ensure spray tank is clean and that previous chemicals used are washed from the tank.

2. Half fill the tank with clean water; add the required amount of AC SNARL 510 Herbicide

Compatibility: AC SNARL 510 Herbicide may be mixed with a variety of products to enhance weed control, to

Atrazine - flowable or granular (see additives above - do not apply the tank mix for control of Barnyard grass or Liverseed grass), Dicamba, 2,4-D Ester, tribenuron-methyl, triclopyr, chlorsulfuron, metsulfuron, pendimethalin,

Oxyfluorfen - The addition of oxyfluorfen at 75mL/ha to recommended rates of this product prior to planting Wheat or Barley will improve knockdown and increase the speed at which treated weeds develop visible symptoms of phytotoxicity. Add Flowright Compatibility Agent to improve the compatibility in cold water (less

Flowright compatibility agent: Rate: 200mL/100L spray solution. When mixing with oxyfluorfen add to improve the compatibility in cold water. (Less than 15°C). Flowright must be premixed with oxyfluorfen before



PROTECTION OF CROPS, NATIVE AND OTHER NON-TARGET PLANTS

This product is non selective and may severely injure or kill desirable plants should the product contact the foliage, green stems or fruit of such plants.

DO NOT apply under meteorological conditions or under spraying conditions which could be expected to cause spray to drift onto nearby susceptible plants/crops, cropping lands or pastures. DO NOT apply prior to transplanting tomato seedlings.

PROTECTION OF LIVESTOCK

There is no withholding period for this product but removal of stock may be necessary to achieve efficacy. It is recommended that stock be removed from the area to be treated for 1 day after treatment of annual weeds and for 7 days after treatment of perennial weeds. Certain plants, eg, Soursob, St John's wort, Bracken, may be toxic to stock. Where known toxic plants are present, do not allow stock to graze until complete browning of treated plants has occurred.

PROTECTION OF WILDLIFE, FISH, CRUSTACEANS AND ENVIRONMENT

DO NOT contaminate dams, rivers or streams with the chemical or used containers. When controlling weeds near water, refer to label directions to minimise the entry of spray into the water.

PRECAUTION

DO NOT store, mix or apply the product or spray solution in unlined steel or galvanised containers as a highly flammable gas may form. Use stainless steel, brass, copper, aluminium, plastic or plastic line, fibreglass containers or spray tanks.

STORAGE AND DISPOSAL

Store in the closed, original container in a cool, well-ventilated area. Do not store for prolonged periods in direct sunlight. Triple or preferably pressure rinse containers before disposal. Add rinsings to the 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 500mm in a disposal pit specifically

marked and set up for this purpose clear of waterways, desirable vegetation and tree roots. Empty containers and product should not be burnt.

For Refillable Containers (1000L) - Empty contents fully into application equipment. Close all valves and return to point of supply for refill or storage.

SAFETY DIRECTIONS

Product will irritate the eves and skin. Avoid contact with eves and skin. When preparing the product for use. wear elbow-length PVC gloves and face shield (or goggles). When using controlled droplet applicator, wear protective waterproof clothing and impervious footwear. After use and before eating, drinking or smoking, wash hands, arms and face thoroughly with soap and water. After each day's use, wash contaminated clothing, gloves and face shield or goggles.

FIRST AID

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

Material Safety Data Sheet

For further information refer to Material Safety Data Sheet which can be obtained from the supplier.

NOTICE TO BUYER

Seller warrants that the product conforms to its chemical description and is reasonably fit for the purpose stated on the label when used in accordance with directions under normal conditions of use. No warranty of merchantability for a particular purpose, express or implied, extends to the use of the product contrary to label nstructions, or under abnormal conditions.