

READ SAFETY DIRECTIONS BEFORE OPENING OR USING



Diuron 900 WG

HERBICIDE

ACTIVE CONSTITUENT: 900 g/kg DIURON

GROUP **C** HERBICIDE

For selective weed control
in the situations as per the
directions for use table.

IMPORTANT: READ THE ATTACHED LEAFLET
BEFORE USING THIS PRODUCT



AUSTRALIS
CROP PROTECTION

NET CONTENTS: 15kg

DIRECTIONS FOR USE

CROP/SITUATION	WEEDS CONTROLLED	STATES	RATE	CRITICAL COMMENTS
Asparagus	Annual broadleaf weeds and some annual grasses	Vic only	1.5 to 2.0 kg/ha	Apply in established beds after they have been "hilled up" and before emergence of spikes. This will give 10 to 14 weeks freedom from weeds. Post-emergence applications may be made, but the spray should be directed so as to contact only the base of the stems. Use the higher rates on heavier soils. DO NOT USE ON SEEDLING ASPARAGUS.
Bananas	Amaranthus, Barley Grass, Barnyard Grass, Capeweed, Cobblers Pegs, Crowsfoot Grass, Fat Hen, Guinea Grass, Mustard, Pigweed, Prince of Wales Feather, Rye Grass, Sowthistle, Summer Grass, Wild Radish, Wild Turnip	Qld, NSW, WA only	275 g to 500 g/ha plus 1.2 or 1.6 L/ha Paraquat 250	Add to 'Paraquat' 250 to enhance weed control under favourable growing conditions and in open sunny conditions. ACP Diuron 900 WG Herbicide at rates up to 500 g/ha can be blanket sprayed. Use a directed spray for higher rates of ACP Diuron 900 WG Herbicide. Complete spray coverage is essential. For grasses and broadleaved 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 minimum spray volume of 400L/ha for weeds > 10 cm high and for dense mature weeds. Refer to Paraquat label for rates and full directions. If Paraquat 250 rate is less than the ratio 500 mL/100 L add 100 mL 600 g/L non-ionic surfactant or 60 mL of 1000 g/L non-ionic surfactant per 100 L spray mix.
Cotton	Annual broadleaf weeds and some annual grasses	Qld, NSW only	1 to 2.0 kg/ha	Pre-emergence: Apply at planting or within 7 days of planting and prior to cotton emergence. Seed should be planted at least 4-5 cm deep and soil compacted over seeds by a normal planter packer wheel. Use high rate on soils high in clay or organic matter. DO NOT use on light, sandy soils as injury to crop may result. DO NOT make a second pre-emergence application to the same field during the same crop year as injury to the crop may result. Apply in 300-450 L water/ha. Post emergence (lay-by): Use the higher rates on heavier soil types high in clay and/or organic matter. DO NOT use on light, sandy soils low in organic matter as injury to the cotton may result. Apply when cotton is at least 30 cm high, or immediately after the last cultivation. If emerged annual weeds (15 cm or less in height) are present add 600g/L non-ionic surfactant to the spray solution at the rate of 170mL/100 litres water. Apply ACP Diuron 900 WG Herbicide as a directed spray to cover the area beneath cotton plants and between rows. Avoid spray contact or drift onto cotton plants as injury may result. DO NOT apply more than once season. DO NOT re-plant treated areas to any crop within one year after last application as injury may result, except cotton, corn or sorghum (grain sorghum only) which may be planted in the spring following treatment. Apply in 300-500 L water/ha.
Lupins (on light soils only)	Annual Ryegrass, Capeweed, Clovers, Doublegee, Medics, Wild Radish, Wild Turnip and suppression only of Dock, Sorrel, Wireweed, Wild Oats and Brome Grass	WA only	1.1 kg/ha	Use through boomspray equipment only. Apply in a minimum of 50 L water/ha. Higher volumes of water will give more even application. Must be applied prior to crop emergence. DO NOT use on white or grey sands.

CROP/SITUATION	WEEDS CONTROLLED	STATES	RATE	CRITICAL COMMENTS
Sugar Cane (Plant and ratoon crops)	Barnyard Grass, Crowsfoot Grass, Guinea Grass, Summer Grass, Barley Grass, Ryegrass, Wild Oats, Cobbler's Pegs, Pigweed, Prince of Wales Feather, Amaranthus, Fat Hen, Mustard, Sow Thistle, Capeweed, Wild Radish, Wild Turnip	Qld, NSW only	1.9 kg/ha	Soil surface must be moist at time of application. Rain or irrigation is required within 10 days of application. Use lower rate if following an application for planting. If weeds at early post-emergence stage addition of 600 g/L non-ionic surfactant at 250 mL/100 L of water will enhance activity, but direct spray below cane leaves.
			275 g/ha - 1.9 kg/ha plus 1.2 L to 1.6 L Paraquat 250	Add to 'Paraquat' 250 to enhance weed control under favourable growing conditions and in open sunny conditions. ACP Diuron 900 WG Herbicide at rates up to 500 g/ha can be blanket sprayed. Use a directed spray for higher rates of ACP Diuron 900 WG Herbicide. Complete spray coverage is essential. For grasses and broadleaved 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 minimum spray volume of 400 L/ha for weeds > 10 cm high and for dense mature weeds. Refer to Paraquat label for rates and full directions. Note: Where broadleaved weeds are a serious problem, add 2,4-D sodium salt product to the mixture.
Summer fallows	Potato Weed (<i>Heliotropium europaeum</i>)	SA only	275 g/ha	Only effective when in mixture with Paraquat/Diquat 250 g/L at 1.6 L/ha (See Paraquat/Diquat 250 g/L herbicide label).
Wheat, Barley, Triticale, Cereal Rye, Oats	Capeweed, Double Gee, Mustard, Wild Radish (suppression only), Water Weeds (Toads Rush, Crassula) As above plus suppression of Annual Ryegrass, Barley Grass, Silver Grass	WA only	275 - 550 g/ha *Barley to 390 g/ha only 550 g/ha + 500 mL of 720 g/L metolachlor to improve suppression of Ryegrass	Post-planting application only for full cut sowing systems that leave relatively smooth surface, e.g standard combine or air seeder. Apply post plant pre-emergent to crop within 3-4 days of planting. Pre-plant application only for sowing systems which leave open slots or furrows (e.g. No Till or ZeroTill), or where seed is sown along the bottom of the furrow. Even the soil surface where harrowed after sowing. Apply within 7-10 days pre-plant. Soil types: Use the lower rate on sandy soils with low organic carbon or clay content. Caution: DO NOT use on grey or white sands. Crop to be planted at least 35 mm deep. Crop tipping and yellowing may occur particularly when heavy rain falls after sowing. Shallow sown crops may be more at risk. Caution: Severe crop damage will occur if herbicides containing paraquat or diquat contact an emerging crop either as a salvage treatment or via spray drift unless rainfall has been exceptionally low.
Wheat, Barley, Triticale, Cereal Rye			275 - 550 g + 830 mL/ha Trifluralin 480	As above. Must be incorporated within 4 hours of application.
Wheat, Barley, Oats	Capeweed, Charlock, Iceplant, Melilotus, Mustard, Poppy, Saffron Thistle, Sheepweed, Three Cornered Jack, Turnips, Yellow Burr Weed, Deadnettle	NSW, ACT, Vic, SA only	500 g/ha	Apply when weeds are at the 2-4 leaf stage and soon after the crop is past the 2-5 leaf stage which is normally within 6 weeks of sowing. DO NOT SPRAY LATER THAN THE EARLY TILLERING STAGE.

CROP/SITUATION	WEEDS CONTROLLED	STATES	RATE	CRITICAL COMMENTS
Wheat, Barley, Triticale, Oats	Capeweed, Double Gee, Erodium, London Rocket, Lupin, Mustard, Rapistrum, Wild Radish, Wild Turnip, Storksbill, Wild Mustard	WA only	200 g/ha plus 400 mL/ha MCPA 500 280 g/ha plus 200 mL/ 2,4-D amine 625	Apply when the crop has at least 3-5 leaves on the main stem (Zadoks 13-15). Apply when the crop has at least 4-5 leaves on the main stem (Zadoks 14-15). Apply by boomspray or aircraft. Weeds must be in the 2-5 leaf stage. Crop and weeds should be dry at the time of spraying. DO NOT spray if rain is imminent. Under-sown sub-clovers may be slightly retarded. DO NOT apply to under-sown medics. Apply in 40-70 L water/ha.
Wheat, Barley	Amsinckia (Yellow Burr), Capeweed, Deadnettle, Double Gee (Three Cornered Jack), Mustard, White Ironweed (Sheep weed), Wild Radish	NSW, ACT, Vic, SA only	280 g/ha plus 500 mL/ha MCPA 500 (NSW, ACT, Vic only) 280 g/ha plus 350 mL/ha MCPA 500 (SA only)	Apply by boomspray or aircraft when the crop is at the 3-5 leaf stage (NSW, SA only) 5 leaf stage (Vic only). Weeds must be in the 2-5 leaf stage. DO NOT spray if rain is imminent. DO NOT apply to under-sown medic. In NSW do not use on Durali, Hybrid Titan, Kite or Shortim wheat.
	Soursob	SA only	710 - 980 g/ha	Boom Spray: Sow crop at least 5 cm deep. Apply when crop is in the 2-5 true leaf stage. Use the lower rate on lighter soils.
Irrigation Channels and Drainage ditches	Annual and perennial grasses and broadleaf weeds (except Nutgrass, Bindweed and Russian Knapweed)	Qld, Vic, Tas, SA, WA only NSW only	22 kg/ha or 220 g/100 m ² 40 kg/ha maximum	High Volume or Power Spraying: Apply in 2000 L water. Apply during the non-crop season and when channel is not in use. The soil should be moist and preferably bare, i.e. after regrading or cleaning channels. Apply prior to expected seasonal rainfall so as to "fix" it into the soil. If 50-100 mm of rain has not fallen after application and it is necessary to use the irrigation channel, fill it with water and allow to stand for 72 hours then drain off the water and run to waste.
Bore drains	Prickly Acacia, Mimisa Bush	Qld only	35.5 kg/ha	Block off bore drain 24 hours prior to spraying and allow drain to empty. Spray 1m wide strip onto mud. Wait 48-72 hours before opening drain again. Water MUST bypass house tanks and desirable tree stands for 7 days after opening drain. DO NOT delve for 2 weeks.

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

WITHOLDING PERIOD
DO NOT ALLOW ANIMALS TO DRINK WATER FROM TREATED BORE DRAINS FOR 3 DAYS BEFORE SLAUGHTER FOR HUMAN CONSUMPTION.

HARVEST: NOT REQUIRED WHEN USED AS DIRECTED.

GRAZING: NOT REQUIRED WHEN USED AS DIRECTED.



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GROUP **C** HERBICIDE

For selective weed control in the situations as per the Directions for Use Table.

IMPORTANT: READ THIS LEAFLET BEFORE USING THIS PRODUCT

APVMA Approval No.: 82270/105339

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GENERAL INSTRUCTIONS

Before opening, carefully read Directions for Use, Precautionary Statements, Safety Directions and First Aid Instructions.

Application should be made to moist soil before weeds emerge unless otherwise recommended. Sufficient moisture in the form of rain or irrigation is necessary after application to move the chemical into the weed root zone. Add a surfactant where recommended. When spraying emerged weeds, best results are obtained when weeds are actively growing. Thoroughly clean all traces of this product from application equipment immediately after use, otherwise injury to desirable vegetation may result when equipment is used again. Flush tank, pump, hose and boom with several changes in water after removing nozzle tip and screens (clean these parts separately). Keep from contact with fertilisers, insecticides, fungicides and seeds.

MIXING

Partly fill spray tank with water and agitate while adding this product steadily. Continue agitation after filling and during spraying.

To prevent excessive foaming it is recommended to add Foam-Ex at 20mL/1000 L water prior to adding ACP Diuron 900 WG Herbicide to the spray tank.

Agitation: An efficient bypass agitator or means of mechanical agitation should be employed when using this product.

COMPATIBILITY

This product is compatible with Paraquat/Diquat 250g/L Herbicide, 2,4-D Amine, Paraquat 250g/L herbicide, MCPA 500 g/L. Add the required amount of product when the spray tank containing ACP Diuron 900 WG Herbicide is nearly full and is being continually agitated.

This product is not compatible with Tribunil*, Dimethoate 400, Mataven*, Diclofop-methyl 375 or Bayleton*.

SELECTIVE USE IN CROPS

For selective use in crops it is important to apply recommended rates correctly. ACP Diuron 900 WG Herbicide is most effective when applied to soil which has been well tilled (clod free) and is free of weeds and trash. Where not recommended for overall application care should be taken to avoid spray drift onto fruit or foliage. Wetting agents should only be used where specified.

REPLANTING RESTRICTIONS

Crop Rotations: DO NOT replant the treated areas to any crop within two (2) years after last spray unless otherwise stated.

Cotton

DO NOT replant treated areas to any crop within one (1) year after last spray except cotton, corn, or grain sorghum which may be planted in the spring of the following year.

Sugarcane

Treated areas can be replanted to sugar cane one (1) year after last spray.

CROP SAFETY

Heavy rains after application of this product may cause severe crop damage. Risk must be assumed by the user.

DO NOT USE ON LIGHT SANDY OR GRAVELLY SOILS OR SOILS LOW IN ORGANIC MATTER.

AVOID CONTACT OF SPRAYS WITH CROP FOLIAGE OR FRUIT.

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

RESISTANCE WEEDS WARNING

ACP Diuron 900 WG Herbicide is a member of the urea group of herbicides. The product has the inhibitor of photosynthesis at photosystem II mode of action. For weed resistance management the product is a Group C herbicide. Some naturally occurring weed biotypes resistant to the product and other inhibitors of photosynthesis at photosystem II 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 the product or other inhibitors of photosynthesis at photosystem II herbicides. Since the occurrence of resistant weeds is difficult to detect prior to use, Australis Crop Protection Pty Ltd accepts no liability for any losses that may result from the failure of ACP Diuron 900 WG Herbicide to control resistant weeds.

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PROTECTION OF CROPS, NATIVE AND OTHER NON-TARGET PLANTS

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

PROTECTION OF LIVESTOCK

Low hazard to bees. May be applied at any time as recommended in the Directions for Use.

PROTECTION OF WILDLIFE, FISH, CRUSTACEANS AND THE ENVIRONMENT

DO NOT contaminate streams, rivers or waterways with the chemical or used containers.

STORAGE AND DISPOSAL

KEEP OUT OF REACH OF CHILDREN. Store in the closed, original container in a dry, cool, well-ventilated area out of direct sunlight. Shake empty bag into container. DO NOT dispose of undiluted chemicals on site. Puncture or shred and bury empty containers in a local authority landfill. If no landfill is available, bury the container below 500mm in a disposal pit specifically marked and set up for the purpose clear of waterways, desirable vegetation and tree roots. Empty containers and product should not be burnt.

SAFETY DIRECTIONS

Avoid contact with eyes and skin. DO NOT inhale dust or spray mist. If product on skin, immediately wash area with soap and water. After use and before eating, drinking or smoking wash hands, arms and face thoroughly with soap and water.

FIRST AID

If poisoning occurs contact a doctor or Poisons Information Centre. Phone Australia 131 126.

MATERIAL SAFETY DATA SHEET

Additional Information is listed in the Material Safety Data Sheet which is available from Australis Crop Protection Pty Ltd upon request.

CONDITIONS OF SALE

The use of ACP Diuron 900 WG Herbicide being beyond the control of the manufacturer no warranty expressed or implied is given by Australis Crop Protection Pty Ltd regarding its suitability, fitness or efficiency for any purpose for which it is used by the buyer, whether in accordance with the directions or not and Australis Crop Protection Pty Ltd accepts no responsibility for any consequence whatsoever resulting from the use of this product.



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DIRECTIONS FOR USE:

RESTRAINTS:

DO NOT replant treated areas within 2 years of an application of ACP Diuron 900 WG Herbicide except when otherwise stated on the label.

DO NOT use on very light sandy soils as crop damage may occur.

DO NOT use in water-logged areas.

DO NOT apply if greater than 50 mm rainfall is expected within 3 days of application.

DO NOT irrigate within 3 days of application.

DO NOT apply to fields where the slope exceeds 3%.

DO NOT spot spray more than 5% of total farm areas.

DO NOT apply more than once per calendar year.

Cotton

DO NOT use in cotton UNLESS ALL irrigation tailwater and/or up to 25 mm rainfall can be captured and held on farm.

Irrigation channels and drains

DO NOT use in irrigation channels or drains UNLESS ALL irrigation tailwater and rainfall can be captured and held on farm.

Desert channels (bore drains)

DO NOT apply between 1 December and 30 March.

DO NOT open drains for 72 hours following treatment.

Sugarcane

Post-emergent use (1.8kg ac/ha max 60% band spray).

APPLY ONLY as a directed band spray over a maximum of the crop area.

DO NOT apply in the Wet Tropics.

DO NOT apply in the Burdekin between 1 January and 29 February.

DO NOT apply in Mackay/Whitsunday between 1 December and 30 April.

DO NOT apply in Mary-Burnett between 1 November and 29 February.

DO NOT apply in NSW between 1 November and 30 April.

SPRAY DRIFT RESTRAINTS

DO NOT apply by air.

DO NOT apply with spray droplets smaller than COARSE spray droplet size category according to nozzle manufacturer specifications that refer to the ASAE S572 Standard or the BCPC Guideline.

Users of this product MUST make an accurate written record of the details of each spray application within 24 hours following application and KEEP this record for a minimum of 2 years. The spray application that must be recorded are: 1. Data with start and finish times of application; 2. Location address and paddock/s sprayed; 3. Full name of this product; 4. Amount of products used per hectare and number of hectares applied to; 5. Crop/situation and weed/pest; 6. Wind speed and direction during application; 7. Air temperature and relative humidity during application; 8. Nozzle brand, type, spray angle, nozzle capacity and spray system pressure measured during application; 9. Name and address of person applying this product. (Additional record details may be required by the State or Territory where this product is used).

MANDATORY NO-SPRAY ZONES

DO NOT apply when there is non-target vegetation downwind from the application area and within the mandatory no-spray zones shown in table below.

DO NOT apply when there are aquatic and wetland areas including aquacultural ponds, surface streams and rivers downwind from the application area and within the mandatory no-spray zones shown in table below.

Situation	Rate ac/ha	Downwind buffer zone (m)	
		Aquatic	Terrestrial
Wheat, barley, triticale, cereal rye, oats (WA only)	250-500	30	60
Wheat, barley, triticale and oats (WA only)	180-250	15	30
Wheat, barley, oats (NSW, Vic, ACT, SA only)	450	25	50
Wheat and barley – SA only	640-880	50	100
Wheat and barley – NSW, Vic, ACT, SA only	250	15	30
Summer fallows – SA only	250	15	30
Cotton	900-1800	100	200
Lupins – WA only	990	30	80
Bananas	250-450	25	50
Sugarcane	1800	100	200
Asparagus	1800	100	200