

65536/1112
Book

DIURON 900WG

140 mm

170mm

READ SAFETY DIRECTIONS BEFORE OPENING OR USING

SANONDA HERBICIDE
DIURON 900WG

ACTIVE CONSTITUENT: 900g/Kg DIURON

GROUP C HERBICIDE

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

THIS LEAFLET IS PART OF THE LABEL

APVMA Approval No.: 65536/1112



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DIRECTIONS FOR USE:**RESTRAINTS:**

DO NOT re-plant treated areas within 2 years of application of Sanonda Herbicide Diuron 900WG except when otherwise stated on label.

DO NOT use on very light sandy or gravelly 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 area

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

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 details that must be recorded are: 1. Date 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 (g 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

170mm

(Continue)

Situation	Rate (g ac/ha)	Downwind buffer zone (m)	
		Aquatic	Terrestrial
Lupins—WA only	990	30	80
Sugarcane and bananas	250–450	25	50
Sugarcane	1800	100	200
Asparagus	1800	100	200

CROP	WEEDS CONTROLLED	STATE	RATE/HA	CRITICAL COMMENTS
Asparagus	Annual Broadleaf weeds and some Annual Grasses	Vic only	1.5 - 2 kg/ha	Apply in established beds after they have "hilled up" and before emergence of spikes. This will give 10-14 weeks freedom from weeds. Post-emergence application may be made, but the spray should be directed so as to contact only the base of the stems. Use higher rates on heavier soils. DO NOT USE ON SEEDLING ASPARAGUS.
Bananas	Amaranthus, Barley grass, Barnyard grass, Capeweed, Cobbler's pegs, Crowsfoot grass, Fat hen, Guinea grass, Mustard, Pigweed, Prince of Wales feather, Ryegrass, Sowthistle, Summer grass, Wild radish, Wild turnip.	NSW, Qld, WA only	275 g - 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. Sanonda Herbicide Diuron 900WG at rates up to 500 g/ha can be blanket sprayed. Use a directed spray for higher rates of Sanonda Herbicide Diuron 900WG. 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. If Paraquat 250 rate is less than the ratio 500 mL/100 L add 100 mL Surfactant 600 or 60 mL Chemwet 1000 /100 L spray mix.
Cotton	Annual Broadleaf weeds and some Annual Grasses	Qld, NSW only	1 - 2 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 to 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 content. DO NOT use on light sandy soils as injury to crop may occur. DO NOT make a second pre-emergent application to the same field during the same crop year as injury to the crop may result. Apply in 300 to 450 L water/ha. Post-emergence (lay-by): Use the higher rate 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 170 mL 600 g/L Surfactant /100 L water to the spray solution. Apply Sanonda Herbicide Diuron 900WG as a directed spray to cover the area beneath cotton plants and between rows. Avoid spray contact or drift on to cotton plants as injury may result. DO NOT apply more than once per season. DO NOT re-plant treated areas to any crop within one (1) 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.

CROP	WEEDS CONTROLLED	STATE	RATE/HA	CRITICAL COMMENTS
Lupins (on light soils only)	Annual ryegrass, Capeweed, Clovers, Medics, Doublegee, Wild radish, Wild turnip and suppression only of Dock, Sorrel, Wireweed, Wild oats and Brome grass	WA only	1.1 kg/ha	Use through boom spray 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
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, Sowthistle, Capeweed, Wild radish, Wild turnip	Qld, NSW, only	1.9 kg/ha	Post-emergence of cane: APPLY ONLY as a directed band spray over a maximum of 60 per cent 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 Burnett Marybetween 1 November and 29 February DO NOT apply in NSW between 1 November and 30 April Soil surface must be moist at time of application. Rain or irrigation is required within ten (10) days of irrigation if weeds at early post-emergence stage addition of Surfactant 600 at 250 mL/100L of water will enhance activity, but direct spray to below cane leaves.
			275 g/ha - 1.9 kg/ha plus 1.2 L -1.6 L Paraquat 250	Add to Paraquat 250 to enhance weed control under favourable growing conditions and in open sunny conditions. Sanonda Herbicide Diuron 900WG at rates up to 500 g/ha can be blanket sprayed. Use a directed spray for higher rates of Sanonda Herbicide Diuron 900WG. 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 700g/L DF to the mixture .
Summer Fallows	Potato weed (Heliotropium europaeum)	SA only	275 g/ha	Only effective when in mixture with Paraquat Diquat 250 at 1.6 L/ha (See Paraquat Diquat 250 label)
Wheat, Barley, Triticale, Cereal Rye, Oats	Capeweed, Doublegee, Mustard, Wild Radish [suppression only], Water Weeds [Toads Rush, Crassula]	WA only	275 g - 550 g *Barley to 390 g only	Post planting application only for Full cut sowing systems that leave a relatively smooth surface, eg. standard combine or airseeder. Apply post plant pre-emergent to crop within 3-4 days of planting. Pre plant application only for sowing systems (eg. NoTill or ZeroTill) which leave open slots or furrows, or where seed is sown along the bottom of the furrow. Even the soil surface where harrowed after sowing. Apply within 7 - 0 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 35mm 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.
	As above plus suppression of Annual Ryegrass, Barley Grass and Silver Grass		550 g/ha plus 500 mL of a 720 g/L metolachlor to improve suppression of Ryegrass	
Wheat, Barley, Triticale, Cereal Rye			275 g - 550 g plus 830 mL/ha of Trifluralin 480	As above. Must be incorporated within 4 hours of application.
Wheat, Barley, Oats	Capeweed, Charlock, Iceplant, Mellilotus, Mustards, Rough Poppy, Saffron thistle, Sheepweed, Three cornered Jack, Wild turnip, Yellow burr weed, Deadnettle	NSW, Vic, ACT & 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 EARLY TILLERING STAGE.

CROP	WEEDS CONTROLLED	STATE	RATE/HA	CRITICAL COMMENTS
Wheat, Barley, Triticale, Oats	Capeweed, Doublegee, Erodium, London Rocket, Lupin, Mustard, Rapistrum, Wild Radish, Wild turnip, Storksbill, Wild mustard	WA only	200 g/ha plus 400 mL MCPA 500	Apply when the crop has at least 3 to 5 leaves on the main stem. (Zadoks 13-15)
			280 g/ha plus 200 mL 2,4-D Amine 625	Apply when crop has at least 4 to 5 leaves on main stem. (Zadoks 14-15)
Wheat, Barley	Amsinckia (Yellow burr), Capeweed, Deadnettle, Double gee (Three cornered Jack), Mustard, White ironweed (Sheep weed), Wild radish	NSW, Vic & ACT, SA only	280 g/ha plus 500 mL/ha (NSW, Vic, ACT only) 350 mL/ha (SA only) MCPA 500	Apply by boom spray 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 Durati, 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 & Drainage Ditches	Annual and Perennial Grasses and Broadleaf weeds. (Except Nutgrass, Bindweed and Russian knapweed)	SA, WA, Vic, Qld, Tas only	22 kg/ha OR 220 g/100 m	High Volume or Power Spraying. Apply in 2000 L water. Apply during the non-crop season and when channel is not in use. Soil should be moist and preferably bare i.e. after regrading and 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 in the channel and run to waste.
		NSW only	40 kg/ha maximum	
Bore Drains	Prickly acacia, Mimosa bush	Qld only	35.5 kg/ha	Block off bore drain 24 hours prior to spraying and allow drain to empty. Spray 1 m wide strip onto mud. Wait 48 - 72 hours before opening drain again. Water MUST by-pass 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.**

WITHHOLDING 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.

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 of water after removing nozzle tip and screens (clean these parts separately). Keep from contact with fertilizers, insecticides, fungicides and seeds.



170mm



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 20 mL/1000 L water prior to adding Sanonda Herbicide Diuron 900WG to the spray tank.

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

COMPATIBILITY

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

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

Resistant Weeds Warning

GROUP C HERBICIDE

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

WEED CONTROL NON-CROP LAND

Sanonda Herbicide Diuron 900WG is an effective herbicide for the residual control of many annual and perennial grasses and broadleaf weeds on non-crop land such as irrigation and drainage ditches where bare ground is desired. Established perennials such as Bindweed, Johnson grass, Nutgrass and Russian Knapweed are not satisfactorily controlled at rates recommended. Duration of control depends on the amount of chemical applied, soil type, rainfall and particular weed species.

SELECTIVE USE IN CROPS

For selective use in crops, it is important to apply recommended rates correctly. Sanonda Herbicide Diuron 900WG 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 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 pineapple or sugarcane 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.

170mm

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 ENVIRONMENT:

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

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 the empty containers in a local authority landfill. If no landfill is available, bury the containers below 500 mm 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.

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 131126**.

MATERIAL SAFETY DATA SHEET

Additional information is listed in the Material Safety Data Sheet which can be obtained from Sanonda (Australia) Pty Ltd at <http://www.sanonda.com>.

CONDITIONS OF SALE

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

* Other registered trademarks.

In case of emergency: Phone 1800 033 498

Ask for shift supervisor. Toll free 24 hours.

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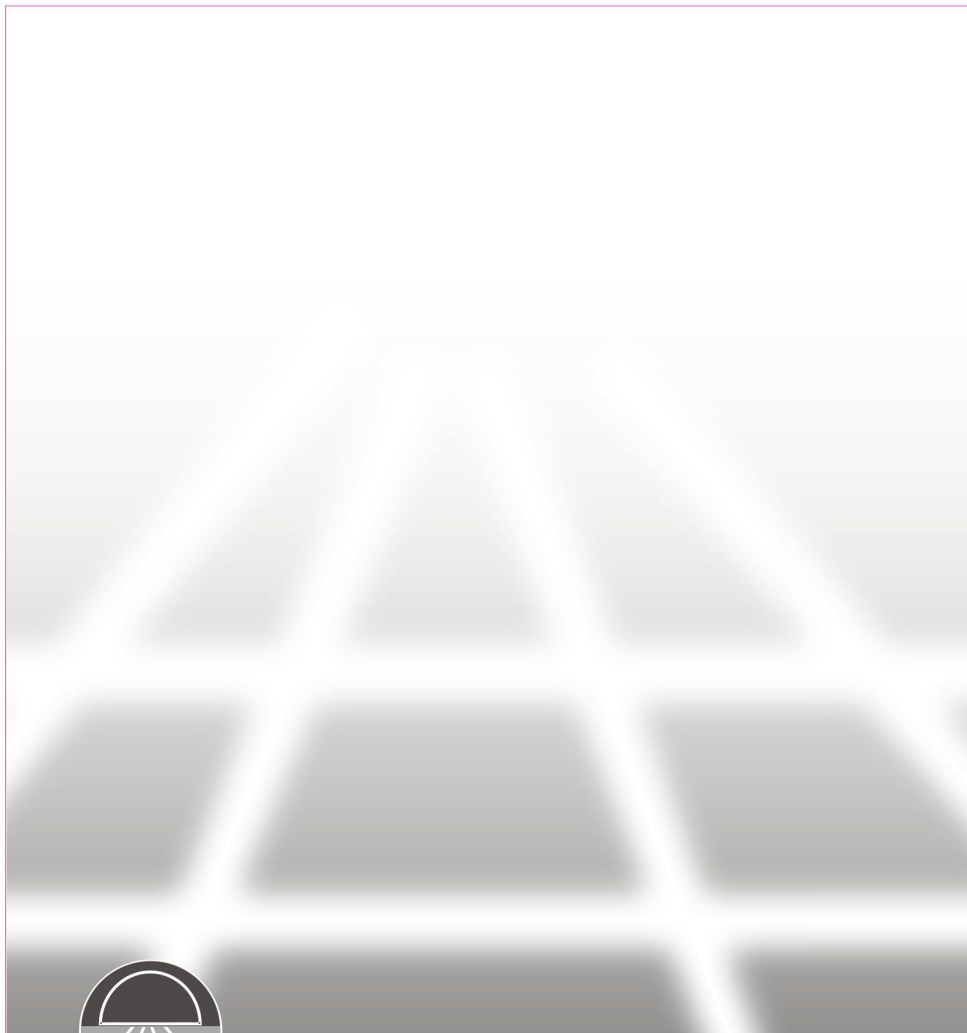
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