

CAUTION

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



DIURON 900 DF

Herbicide

ACTIVE CONSTITUENT: 900 g/kg DIURON

GROUP **C** HERBICIDE

For control of weeds in cereals, bananas, cotton, sugar cane.

ALWAYS READ THE LABEL AND USE ONLY AS DIRECTED

4 FARMERS AUSTRALIA PTY LTD
A.B.N. 51 160 092 428

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Batch Number:

Date of Manufacture:

APVMA Approval No: 56356/1112

DIRECTIONS FOR USE:

RESTRAINTS

DO NOT re-plant treated areas within two years of application of Diuron 900 DF except when stated on the 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 50mm 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 25mm 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 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	
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

Crop/ Situation	Weeds Controlled	State(s)	Rate/ha	Critical Comments
Asparagus	Weed Seedlings of 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 spike emergence. This will give 10–14 weeks weed control. Post emergence sprays should be directed at stem base only. Use higher rates on heavier soils. DO NOT USE ON SEEDLING ASPARAGUS
Bananas		NSW, ACT, Qld, WA only	275g–500g/ha Plus 1.2 or 1.6L/ha paraquat	Add to paraquat to enhance weed control under favourable growing conditions and in open sunny conditions. 4Farmers Diuron 900DF at rates up to 500g/ha can be blanket sprayed. Use a directed spray for higher rates of Diuron 900DF. Complete spray coverage is essential. For grasses and broadleaf weeds up to 5cm high use a minimum 250L spray solution per hectare. Increase to 350L/ha for weeds up to 10cm high. Use a minimum spray volume of 400L/ha for weeds greater than 10cm high and for dense mature weeds. Refer to the paraquat label for rates and full directions. If the paraquat rate is less than the ratio 500mL/100L add 100mL of a surfactant to the spray mix.
Cotton	Weed Seedlings of 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 crop emergence. Seed should be planted at least 4–5cm deep, with soil compacted over the seeds. Use higher rate on soils high in organic matter. Do Not use on light or sandy soils — crop injury may occur. Do Not make a second pre-emergent application to the same field in the same year as injury to the crop may occur. Apply in 300–450L water/Ha. Post emergence: Apply when cotton is at least 30cm high or immediately after last cultivation. Use 300–500L water/ha as a directed spray to cover area beneath cotton plants and between rows. If annual weeds are present (15cm or less in height), add a surfactant (100mL wetter 1000/100L) to the spray mixture. Use higher rates on soils high in organic matter or clay. Do Not use on light or sandy soils low in organic matter as crop injury may occur. Avoid spray drift onto 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 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 300–500L water/ha.
Lupins	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	Apply pre-emergent to pre-sowing. Tank mix with Trifluralin where rye grass expected. DO NOT USE ON WHITE OR GREY SANDS.
Sugar cane	Guinea Grass, Barnyard Grass, Crowsfoot Grass, Cobbler's Pegs, Wild Radish, Pigweed, Wild Oats, Capeweed, Fat Hen, Sowthistle, Summer Grass, Barley Grass, Ryegrass Prince of Wales Feather, Amaranthus, Mustard, Wild Turnip	QLD NSW ACT only	1.9kg/ha	Post emergence of cane. APPLY ONLY as a directed band spray over a maximum of 60% 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 Soil surface must be moist at time of application. Rain or irrigation is required within 10 days of application. se lower rate if following an application at planting. If weeds at early post-emergence stage addition of a non-ionic surfactant (600g/L) at 250mL/100L will enhance activity, but direct spray to below cane leaves.
			275g/ha–1.9kg/ha plus 1.2L–1.6L paraquat	APPLY ONLY as a directed band spray over a maximum of 60% 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 Add to paraquat to enhance weed control under favourable growing conditions and in open sunny conditions. Diuron 900DF at rates up to 500g/ha can be blanket sprayed. Use a directed spray for higher rates of Diuron 900 DF. Complete spray coverage is essential. For grasses and broadleaved weeds up to 5cm high use a minimum 250L spray solution/ha, increase to 350L/ha for weeds up to 10cm high and use a minimum spray volume of 400L/ha for weeds >10cm high and for dense mature weeds. Refer to paraquat label for rates and full directions.
Summer Fallows	Potato weed (<i>Heliotropium europaeum</i>)	SA only	275g/ha	Only effective when in a mixture with Paraquat/Diquat 250 at 1.6L/ha (see Spray*seed or similar label)
Wheat, Barley, Oats	Seedlings of Broadleaf Weeds including Capeweed, Charlock, Deadnettle, Spiny Emex, Ice-plant, Melilotus, Mustards, Poppies, Saffron thistle, Sheepweed, Three-cornered Jack, Wild turnip, Wild Radish, Yellow burrweed (<i>Amsinkia</i>)	NSW, Vic, ACT, SA only	500g/ha	Boom spray: Post-emergence: Spray when weeds have germinated and are in 2–4 leaf stage, are actively growing and less than 6 weeks old. Sow the crop at least 5cm deep. DO NOT SPRAY LATER THAN EARLY TILLERING.

Crop/ Situation	Weeds Controlled	State(s)	Rate/ha	Critical Comments
Wheat, Barley	Sour sob	SA only	710–980 g/ha	Boom spray: Sow the crop at least 5 cm deep. Apply when the crop is in the 2–5 true leaf stage. Use lower rate on lighter soils.
	Seedlings of broadleaf Weeds including Capeweed, Charlock, Deadnettle, Spiny Emex, Ice-plant, Melilotus, Mustards, Poppies, Saffron thistle, Sheepweed, Three-cornered Jack, Turnips Wild Radish, Yellow burrweed (<i>Amsinkia</i>)	NSW, Vic, ACT only SA only	280 g/ha plus 500 mL MCPA (500 g/L) 280 g/ha plus 350 mL MCPA (500 g/L)	Apply by boom spray (in 20–100 L water/ha) when crop is at the 3–5 leaf stage (SA & NSW only) and 5 leaf (Vic only). Weeds must be in the 2–5 leaf stage. DO NOT spray if rain is imminent. DO NOT apply to undersown medic or lucerne. In NSW, DO NOT use on Kamilaroi, Olympic, Durali, Hybrid, Titan, Kite or Shortim Wheat.
Wheat, Barley, Triticale, Oats	Capeweed, Doublegee, Mustard, Wild Radish, Wild Turnip, London Rocket. Wild Mustard	WA only	200 g/ha plus 400 mL MCPA (500 g/L)	Apply when the crop has at least 3–5 leaves on the main stem (Zadocks 13–15). Apply by boom spray 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 imminent. Undersown sub-clovers may be slightly retarded. Do not apply to undersown medics. Apply in 40–70 L water/ha. NOTE: Replant Statement in General Instructions.
			280 g/ha plus 200 mL 2,4-D Amine (500 g/L)	Apply when crop is at the 4–5 leaf stage (Zadoks 14–15). Apply by boom spray or aircraft when weeds are at the 2–5 leaf stage. Crop and weeds should be dry at time of application and rain should not be imminent. Some temporary yellowing of crop may occur and undersown sub-clovers may be slightly retarded. DO NOT apply to undersown medic. Apply in 40–70 L water/ha.
Wheat, Barley Triticale Cereal Rye Oats	As above plus suppression of Annual Ryegrass, Barley and silver grasses	WA only	555 g/ha plus 500 mL/ha of 4Farmers Metolachlor 720, to improve suppression of ryegrass	Planting systems — see application instructions. Post plant 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 to 0 days preplant only. Soil types — use lower rates on sandy surfaced 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 are more at risk. Caution: Severe crop damage will occur if herbicides containing Paraquat or Diquat contact an emerging cereal crop either as a salvage treatment or via spray drift.
Irrigation channels & Drainage Ditches	Annual grasses, Perennial grasses, Broadleaf weeds (except Nutgrass, Bindweed, and Russian Knapweed)	QLD Vic TAS SA WA only	22 kg/ha or 220 g per 100 square metres	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 ie 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 before 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.

WITHHOLDING PERIOD TO GRAZING OR HARVEST: 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 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.

Mixing

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

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

COMPATIBILITY

This product is compatible Diquat, Paraquat, Amitrole, 2,4-D Amine and Ester, 2,4-DB, MCPA, Chlorpyrifos, Omethoate and Chlorsulfuron. Add the required amount of product when the spray tank containing Diuron is nearly full and being continually agitated. This product is not compatible with Methabenzthiazuron, Dimethoate, Flamprop-M, Diclofop-Methyl, and Triadimefon.

RESISTANT WEEDS WARNING

GROUP C HERBICIDE

Diuron 900 DF Herbicide 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 Diuron 900 DF Herbicide is a group C herbicide.

Some naturally-occurring weed biotypes resistant to Diuron 900 DF Herbicide 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 Diuron 900 DF Herbicide or other inhibitors of photosynthesis at photosystem II herbicides.

Since the occurrence of resistant weeds is difficult to detect prior to use, 4Farmers Australia Pty Ltd accepts no liability for any losses that may result from the failure of Diuron 900 DF Herbicide to control resistant weeds.

PROTECTION OF CROPS, NATIVE AND OTHER NON-TARGET PLANTS

Crop Rotations: DO NOT replant treated areas to any crop within two years after last spray unless otherwise stated. Cereal or Pulse Crops — When used as directed, any of those crops may be sown the next season

Cotton — DO NOT replant treated areas to any crop within 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 1 year after last spray.

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

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 SANDY OR GRAVELLY SOILS OR SOILS LOW IN ORGANIC MATTER. AVOID CONTACT OF SPRAYS WITH CROP FOLIAGE OR FRUIT.

PROTECTION OF LIVESTOCK

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

PROTECTION OF WILDIFE, FISH, CRUSTACEA 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

Will irritate the eyes. Avoid contact with eyes.

When opening the container and preparing spray wear cotton overalls buttoned to the neck and wrist, a washable hat and elbow-length PVC gloves. Wash hands after use. After each day's use, wash gloves and contaminated clothing.

FIRST AID

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

SAFETY DATA SHEET

For further information please refer to the Safety Data Sheet. For a copy visit our website at www.4farmers.com.au

LIABILITY

This product must be used strictly as directed. 4Farmers Australia Pty Ltd may not be liable for loss or damage arising from failure to follow directions for use.

In a Transport Emergency Dial 000 Police or Fire Brigade	Special Poisons Advice: 13 11 26
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