

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, citrus, cotton, lucerne, pineapples, sugar cane, vineyards, rights-of-
way, commercial and industrial areas.

ALWAYS READ THE LABEL AND USE ONLY AS DIRECTED

Net Contents 10 kg

4FARMERS PTY. LTD.
A.C.N. 067 443 485
643 MURRAY STREET
WEST PERTH, WESTERN AUSTRALIA 6005
Ph: (08) 9356 3445

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 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 and Lucerne - 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.

Gladioli, Tulip, Daffodils - DO NOT replant treated areas to any crop within 1 year after treatment.

Pineapples and 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.

Crop Safety: Apples and Pears - DO NOT use under dwarf or semi-dwarf trees.

Grapevines - DO NOT apply to vines of butt diameter less than 4cm. On soils low in clay or organic matter, plant injury may occur if heavy rains follow treatment.

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 WILDLIFE, 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 and a washable hat, 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 131126.

MSDS

Further information is available on the Material Safety Data Sheet.

Liability

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

APVMA Approval No.:

Date of Manufacture:

Batch Number:

Directions for use:

Restrictions

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.

Crop/ Situation	Weeds Controlled	State(s)	Rate/ha	Critical Comments
Apples & Pears (established at least 1 year)	Amaranthus, Barley grass, Barnyard grass, Blackberry Nightshade, Capeweed, Cobbler's Pegs, Crowsfoot Grass, Fat Hen, Guinea Grass, Mustards, Pigweed, Rye Grass, Sowthistle, Summer Grass, Wild Oats, Wild Radish, Wild Turnip	All States	Single application 4kg/ha Split application 2kg/ha	Apply under trees as a broadcast or band spray. Area should be cleared of weeds prior to spraying using Glyphosate. Single application: Apply in winter. Split application: Apply post harvest, with a second application in spring.
	Wireweed, Toad Rush	Qld, NSW, Vic, ACT WA SA only		
	Willow Herb	Tas only		
Asparagus	Weed Seedlings of Annual broadleaf weeds and some annual grasses	All States	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	2-4 kg/ha	At planting: Apply following fill in planting. Care should be taken to avoid spraying banana foliage. Use higher rates on heavier soils. Use 200-500L water / sprayed ha Established plantings: Care should be taken to avoid spraying banana plants. Use higher rates on heavier soils. Add a knockdown herbicide (e.g. Paraquat, diquat) if weeds are > 8 cm in height.
			275g-500g/ha Plus 1.2or 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.
Citrus (established at least 1 year)	Weed seedlings of: Guinea Grass, Barnyard Grass, Billygoat Weed, Wild Turnip, Crowsfoot Grass, Cobbler's Pegs, Wild Mustard, Red Natal Grass, Feather-top, Wild Radish, Rhodes Grass, Pigweed, Blackberry Nightshade, Spiny Burr Grass, Winter Grass, Wild Oats, Capeweed, Wireweed, Fat Hen, Sowthistle, Summer Grass, Barley Grass, Ryegrass, Prince of Wales Feather, Amaranthus	All States	2-4 kg/ha add 0.5L surfactant /100L spray mix.	Apply only to trees one year or more old. Apply after cultivation in March or April. Do not add surfactant if spray is likely to contact citrus foliage. Do not use on very light sands. Apply in up to 4000L water/ha. Use higher rate on heavier soils and if weeds up to 15cm in height are present.

Crop/ Situation	Weeds Controlled	State(s)	Rate/ha	Critical Comments
Coffee	Weed seedlings of : Summer Grass, Barnyard Grass, Billygoat Weed, Sourgrass	Qld, NSW, ACT only	4kg/ha	Apply as an initial spray.
			2kg/ha	Apply as a 2 nd spray 4 months later then respray at 6 month intervals depending on amount of regrowth. Subsequent application: Frequency of application will depend on regrowth. Use higher rates if weed growth is dense.
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 4-5 cm 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 – 450 L water / Ha. Post emergence: Apply when cotton is at least 30 cm high or immediately after last cultivation. Use 300-500 L water/ha as a directed spray to cover area beneath cotton plants and between rows. If annual weeds are present (15 cm or less in height), add a surfactant (100 mL wetter 1000 / 100 L) 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.
Gladioli, Tulips, Daffodils	Weed seedlings of: Summer Grass, Barnyard Grass, Mustard, Barley Grass, Ryegrass, Wild Oats, Capeweed, Wild Radish, Wild Turnip, Blackberry Nightshade, Cobbler's Pegs	All States	2kg/ha	Apply pre-emergence to weeds. Apply after planting but no later than 4 weeks prior to bulb emergence. Do not re-plant treated areas to any crop within one year after treatment.
	Winter Grass, Thistles	Tas only		
Grass Seed Crops (est at least 1 year) Fescue, Phalaris and Cocksfoot	Weed Seedlings of Annual Broadleaf weeds and some Annual Grass weeds.	SA only	2.8kg/ha	Apply at weed emergence by boom spray. Use higher rate for heavier soils. Brome grasses will not be controlled.
		Vic, WA, NSW, Qld, ACT, Tas only	3-3.3kg/ha	
		All States	1.9kg/ha	This rate should be used for follow-up sprays in the 2 nd year.
Phalaris Cultivars Sirolan and Sirosa			1.7kg/ha	Do Not use as a tank mix with Paraquat.

Crop/ Situation	Weeds Controlled	State(s)	Rate/ha	Critical Comments
Lucerne (est at least 1 year)			1-1.9kg/ha	Only apply when lucerne is dormant. Damage may occur if applied to actively growing lucerne. In sub-tropical area, apply during the winter months. Use higher rate on heavier soils. Boom Sprayer application during the dormant period. In sub-tropical areas apply during the June/August period.
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	1.1kg/ha	Apply pre-emergent to pre-sowing. Tank mix with Trifluralin where rye grass expected. DO NOT USE ON WHITE OR GREY SANDS.
Paw Paw	Seedlings of: Guinea Grass, Crowsfoot Grass, Barnyard Grass, Billygoat Weed, Summer Grass, Red Natal Grass, Giant Sensitive Plant	Qld, NSW, ACT only	4kg/ha	Apply to plantations at least 9 months old. Avoid contact with plants. Use higher on rates heavier soils.
			2kg/ha	Apply a second spray if required. DO NOT exceed 6.5kg/ha per year. Use a knockdown herbicide (e.g. Glyphosate Herbicide) prior to spraying with Diuron 900DF. Add Paraquat to Diuron 900 DF if weed growth is more than 8cm high.
Peas	Annual Ryegrass, Barley Grass, Bromegrass, Capeweed, Doublegee, Wild Radish, Wild Turnip and Mustards	WA only	835g -1.2 kg/ha	Do Not use on light or sandy soils. Use the lower rate pre-sowing in the low rainfall areas of the Eastern Wheatbelt and use the higher rate immediately after sowing in the Great Southern area. Weed control may be increased with Trifluralin pre sowing.
Pineapples	Weed seedlings of Annual Broadleaf weeds and some Annual Grass weeds.	QLD, NSW ONLY	4kg/ha	Overall blanket spray: Apply in a minimum of 2000 L water per hectare. Treated areas may be re-planted to pineapples or sugar cane one year after last application. Plant crops: Apply after planting and before weed emergence. Repeat as necessary. Note: DO NOT apply more than 8kg/ha before fruit differentiation of flower bud formation. Apply as a blanket spray after planting and before weed emergence. Ratoon Crop: Apply immediately prior to the first rains on weed free soil. Apply in up to 4000L water/ha.
			2kg/ha	Repeat spray: If necessary, but not less than 2 monthly intervals. DO NOT apply more than 9 kg per hectare (ie 2 blanket applications) before fruit differentiation or flower bud formation, nor more than 20 L per sprayed hectare per plant crop. After flower bud formation treat inter row spaces only. NOTE: Replant statement in general instructions.
			4kg/ha	Ratoon crop: Apply immediately prior to the first rains on weed free soil.
			2kg/ha	Repeat spray if necessary
Vineyards	Barnyard Grass, Crowsfoot Grass, Guinea Grass, Summer Grass, Barley Grass, Ryegrass, Wild Oats, Cobbler's Pegs, Prince of Wales Feather, Amaranthus, Fat Hen, Mustard, Sowthistle, Capeweed, Wild Radish, Wild Turnip	ALL States	2-4kg/ha	Band treatment to crop rows: Apply to established vines at least 3 years old. Apply to moist soil prior to emergence of weeds. DO NOT apply to vines of butt diameter less than 4 cm. Use lower rate where annual and winter weeds are to be controlled. Avoid spray drift or contact onto fruit or foliage.
	Winter grass, Blackberry nightshade, Thistles	Tas only		
	Annual Broadleaf weeds and some Annual Grass weeds.	ALL States	85g/20m ²	Under racks: apply after harvest.

Crop/ Situation	Weeds Controlled	State(s)	Rate/ha	Critical Comments
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	3.9kg/ha	Pre-emergence of cane and weeds. Soil surface must be moist at time of application. Rain or irrigation is required within 10 days of application.
			1.9-3.9kg/ha	Post emergence of cane. As for pre-emergence, use 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.
			Add 1.1 kg/ha 2-4-D sodium (800g/kg)	Note: Where broad leaved weeds area a serious problem in addition to grasses, add 2-4-D sodium to the mix. Use the higher rate when residual vine control required. NOTE: Replant statement in general instructions
			275g/ha-3.9kg/ha plus 1.2L-1.6L paraquat	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 1.6 L/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.
Wheat, Barley	Soursob	SA only	710-980g/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	280g/ha plus 500mL MCPA (500g/L) 280g/ha plus 350mL MCPA (500g/L)	Apply by boom spray (in 20-100L 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	200g/ha plus 400mL MCPA (500g/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 40-70L water/ha. NOTE: Replant Statement in General Instructions.
			280g/ha plus 200mL 2,4-D Amine (500g/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.

Crop/ Situation	Weeds Controlled	State(s)	Rate/ha	Critical Comments
Wheat, Barley Triticale Cereal rye Oats	As above plus suppression of Annual Ryegrass, Barley and silver grasses	WA Only	555g/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	
Rights-of-way, commercial & industrial areas	Annual grasses, Perennial grasses, Broadleaf weeds (except Nutgrass, Bindweed, Johnson grass and Russian Knapweed)	ALL States		If moderate weed growth ie greater than 15cm in height is present at the time of spraying add a knockdown herbicide such as Amitol T to the mixture. Apply to short growth. Apply just before or during the active growing season. DO NOT treat during the dry season. Time application so that rainfall afterwards will take the chemical down to the roots zone for uptake by the roots. For application by Railway Tanker or Boom Spray apply in 400-800L water/ha. For power spraying or hand spraying equipment apply the equivalent of at least 2000L water/ha. Ensure entire area is treated – including bare ground.
			4.5-18 kg/ha 18-36 kg/ha 27-40 kg/ha	Railway tanker or boom sprayer - initial treatment: Annual rainfall 0-500 mm Annual rainfall 500-1000 mm Annual rainfall 1000 mm and over Use the higher rates in the ranges shown on soil with high clay or organic matter content and where maximum duration of control is required.
			3.5-7 kg/ha 7-13.5 kg/ha 9-18 kg/ha	Re-treatment: Annual rainfall 0-500 mm Annual rainfall 500-1000 mm Annual rainfall 1000 mm and over
			220-890g /100L 890g-1.8kg /100L 1.3-2 kg /100L 180-355g/100L 355-670g/100L 450-890 g/100L	High volume or power spraying - initial treatment: Annual rainfall 0-500 mm Annual rainfall 500-1000 mm Annual rainfall 1000 mm and over Re-treatment: Annual rainfall 0-500 mm Annual rainfall 500-1000 mm Annual rainfall 1000 mm and over

Crop/ Situation	Weeds Controlled	State(s)	Rate/ha	Critical Comments
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 1m 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.
Small areas	Annual grasses, Perennial grasses, Broadleaf weeds (except Nutgrass, Bindweed, Johnson grass and Russian Knapweed)	All States	90 g in 15L knapsack per 20 m ²	Apply evenly.
Non crop areas	Sensitive Plant (Giant)	WA only	2-4kg/ha or 20-40g/10L	Apply to moist soil.

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.