

READ SAFETY DIRECTIONS BEFORE OPENING OR USING

United Farmers

DIURON 900 WG

Herbicide

ACTIVE CONSTITUENT: 900g/kg DIURON

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

Note: This information has been adapted from the UFCC Diuron 900 WG label.

Please consult the label on the pack before use.

IMPORTANT: READ THE ATTACHED LEAFLET BEFORE OPENING OR USING THIS PRODUCT.



UNITED FARMERS
CO - OPERATIVE

2 BIRKSGATE ROAD ROUS HEAD, PMB 10
NORTH FREMANTLE, W.A. 6159
Phone 08 9430 2222 Fax 08 9430 2233

D.O.M.:
BATCH NO:

NET CONTENTS: **
APVMA Approval no: 58455

STORAGE AND DISPOSAL

Keep out of reach of children. Store in the closed, original container in a dry, well-ventilated locked area, as cool as possible out of direct sunlight and away from children, animals, food, feedstuffs, seed and fertilizers. Do not store for prolonged periods in direct sunlight. Single rinse before disposal. DO NOT dispose of undiluted chemicals on-site. Puncture or shred and bury empty bags 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 bags 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 UNITED FARMERS COOPERATIVE upon request.

Conditions of sale

The use of UNITED FARMERS DIURON 900 WG HERBICIDE being beyond the control of the manufacturer no warranty expressed or implied is given by UNITED FARMERS COOPERATIVE 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 UNITED FARMERS COOPERATIVE accepts no responsibility for any consequence whatsoever resulting from the use of this product.

**IN A TRANSPORT EMERGENCY
DIAL 000
POLICE OR FIRE BRIGADE
AND/OR
UNITED FARMERS CO-OPERATIVE COMPANY LTD
1800 705 766**

Attach leaflet here

Barcode

DIRECTIONS FOR USE

RESTRAINTS:

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

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

Crop/ Situation	Weeds Controlled	States	Rate	Critical Comments
Apples and Pears (established at least one 1 year)	Amaranthus, Barley grass, Barnyard grass, Blackberry nightshade, Capeweed, Cobbler's pegs, Fat hen, Mustards, Ryegrass, Wild oats, Wild radish, Wild turnip	All states	Single application 4kg Split application 2 kg	Apply under trees as a broadcast or band spray. Area should be cleared of weeds prior to spraying. Single application: Apply in winter. Split application: Apply post harvest, with a second application in spring.
	Toad rush, Wireweed	Qld, ACT, NSW, Vic, SA, WA only		
	Willow herb	Tas only		
Asparagus	Annual broadleaf weeds and some annual grasses	All States	1.5 to 1.9 kg/sprayed 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 application may be made, but the spray should be directed so as to contact only the base of the stems. Do not use on seedling asparagus. Use the higher rates on heavier soils.
Bananas	Barnyard grass, Crowsfoot grass, Guinea grass, Summer grass, Barley grass, Rye grass, Wild oats, Cobblers pegs, Pigweed, Prince of Wales feather, Amaranthus, Fat hen, Mustard, Sowthistle, Capeweed, Wild radish, Wild turnip	Qld, NSW, WA only	1.9 to 3.9 kg/ha	At planting: Apply as a directed spray following fill-in after planting. Do not spray banana foliage and avoid spraying banana suckers. Use high rate on heavier soil types. Apply in 200-500 L water per sprayed hectare. Established plantations: Apply as a directed spray prior to weed emergence except in northern Qld. Avoid contact with banana plants and suckers. Use high rate on heavier soil types.

Crop/ Situation	Weeds Controlled	States	Rate	Critical Comments
Bananas /cont	Barnyard grass, Crowsfoot grass, Guinea grass, Summer grass, Barley grass, Rye grass, Wild oats, Cobblers pegs, Pigweed, Prince of Wales feather, Amaranthus, Fat hen, Mustard, Sowthistle, Capeweed, Wild radish, Wild turnip	Qld, NSW, WA only	275g to 500g/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. United Farmers Diuron 900 WG Herbicide at rates up to 500 g/ha can be blanket sprayed. Use a directed spray for higher rates of United Farmers 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 10cm 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 100mL 600g/L non-ionic surfactant or 60mL of 1000g/L non-ionic surfactant per 100L spray mix.
Citrus	Seedlings of Guinea grass, barnyard grass, Billygoat weed, Wild turnip, Crowsfoot grass, Cobblers 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, Sow thistle, Summer grass, Barley grass, Ryegrass, Prince of Wales feather, Amaranthus	All States	1.9 to 3.9 kg/ha	Apply only to trees one year or more Old. Apply after cultivation in March or April. Do not add wetter if spray is likely to contact citrus foliage. Do not use on very light sands. Apply in up to 4000 L water/ha. Use higher rate on heavier soils and if weeds up to 15 cm in height are present.
Coffee	Seedlings of: Summer grass, Barnyard grass, Billygoat weed, Sourgrass Couch grass	Qld	3.9 kg/ sprayed ha 1 to 1.9 kg/ha plus 600 to 1.1L Paraquat 250 plus 600g/L non-ionic surfactant 710g/200L	Initial application: Destroy all vegetative growth by spraying with Paraquat before applying United Farmers Diuron 900 WG Herbicide. Subsequent applications: Frequency of application will depend on regrowth. Use higher rates if weed growth is dense. SPOT SPRAYING: Spray to the point of run-off

Crop/ Situation	Weeds Controlled	States	Rate	Critical Comments
Cotton	Annual broadleaf weeds and some annual grasses	Qld, NSW only	1 to 1.9 kg/ha	<p>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.</p> <p>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 (15cm or less in height) are present add 600g/L non-ionic surfactant to the spray solution at the rate of 250-500 mL per 1000 litres. Apply United Farmers 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 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.</p>
Gladioli, Daffodils, Tulips	Seedlings of Summer grass, Barnyard grass, Mustard, Barley grass, Ryegrass, Wild oats, Capeweed, Wild radish, Wild turnip, Blackberry nightshade, Cobblers pegs. Winter grass, Thistles	All States Tas. only	1.9 kg/ha	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.

Crop/ Situation	Weeds Controlled	States	Rate	Critical Comments
Grapes (Vines must be older than 3 years)	Seedlings of Barnyard grass, Crowsfoot grass, Guinea grass, Summer grass, Barley grass, Ryegrass, Wild oats, Cobblers pegs, Prince of Wales feather, Amaranthus, Fat hen, Mustard, Sow thistle, Capeweed, Wild radish, Wild turnip	All States	1.9 to 3.9 kg/ha	Apply as an "under vine" spray prior to seasonal emergence of weeds. Use higher rate for longer term weed control on heavier soils only, low rate should be used for short term control, for topping up or for lighter soil types.
			85g/20m ²	Under racks - apply after harvest.
	Winter grass, Blackberry nightshade, Thistle	Tas only	1.9 to 3.9kg/ha	Apply as an "under vine" spray prior to seasonal emergence of weeds. Use higher rate for longer term weed control on heavier soils only, low rate should be used for short term control, for topping up or for lighter soil types.
Grass Seed Crops Established (at least 1 year Old) fescue, phalaris and cocksfoot only	Annual broadleaf weeds and some annual grasses	SA only	2.8 kg/ha	Apply at weed emergence by boom spray. Use higher rate for heavier soils. Brome grasses will not be controlled
		Qld, NSW, Vic, ACT & WA only	3 to 3.3 kg/ha	
		All States	1.9 kg/ha	This rate should be used for follow-up sprays in the second year.
Phalaris cultivars Sirolan and Sirosa			1.7 kg/ha	Do NOT use a tank mix with Paraquat 250.
Lucerne Established (at least 1 year Old)	Seedlings of Capeweed, Wireweed, Chickweed, Summer grass, Docks, Barnyard grass, Thistles, Billygoat weed, Spiny Emex, Ryegrass, barley grass, Shepherds' purse, Fat hen	All States	1 to 1.9 kg/ha	Apply when lucerne has been grazed. Weeds should be very small when treated. Use only in areas where lucerne becomes winter dormant. Use higher rate on heavier soil.
	Blackberry nightshade, Wild Oats, Wild radish, Winter grass, Amaranthus, Mustard, Wild turnip	Tas only		
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
Paw Paws (not for use on trees under 9 months Old)	Seedlings of Guinea grass, Crowsfoot grass , Barnyard grass, Billygoat weed, Summer grass, Red Natal grass, giant sensitive plant	Qld, NSW only	1.9 to 3.9 kg/ha	Avoid contact with plants. Use higher rates on heavier soils.
			1.9 to 3.9 kg/ha plus 1.1 to 1.7 L/ha Paraquat 250. Add 200 mL 600g/L non-ionic surfactant per 100 L to the made up spray, i.e. 30 mL/15L knapsack	Add Paraquat 250 to United Farmers Diuron 900 WG Herbicide if weed growth is more than 8 cm high. Use at least 200 L water/ha through high volume spray equipment. Use higher rate for dense weed growth.
Peas	Annual ryegrass, Barley grass, Brome grass, Capeweed, Doublegee, Wild oats, Wild turnip, Wild radish, Mustards	WA only	835g - 1.2kg	DO NOT USE ON SANDY SOILS. Use the lower rate pre- sowing in the low rainfall eastern wheat belt and use the higher rate immediately after sowing in the Great Southern Area. Weed control may be increased by mixing trifluralin pre-sowing.
Pineapples	Annual broadleaf weeds and some annual grasses	Qld, NSW only	3.9 kg/ha	Note: Do not apply more than 8 kg/ha before fruit differentiation or flower bud formation. Apply as a blanket spray after planting and before weed emergence. Ratoon Crops: Apply immediately prior to first rains on weed free soil. Apply in up to 4000 L water/ha.
			1.9 kg/ha	Follow-up sprays, if necessary, should be made at the lower rate.
Summer fallows	Potato weed (<i>Heliotropium europaeum</i>)	SA only	275 g/ha	Only effective when in mixture with Bipyridyl 250g/L at 1.6 L/ha (See Bipyridyl 250g/L herbicide label)
Wheat, Barley, Oats	Capeweed, Charlock, Iceplant, Melilotus, Mustard, Poppy, Saffron Thistle, Sheepweed, Three Cornered Jack, Turnips, Yellow Burr Weed, Wild radish, Deadnettle, Melilotus	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 THE EARLY TILLERING STAGE.

Crop/ Situation	Weeds Controlled	States	Rate	Critical Comments	
Wheat, Barley, Triticale, Oats	Capeweed, Double Gee, Mustard, Wild radish, Wild turnip London rocket, Wild mustard	WA only	200 g/ha plus 400 mL/ha MCPA 500	Apply when the crop has at least 3-5 leaves on the main stem.(Zadoks 13-15)	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.
			280 g/ha plus 250 mL/ha 2,4-D amine 500	Apply when the crop has at least 4-5 leaves on the 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 only	280 g/ha plus 500 mL/ha (NSW, Vic only) 350 mL/ha (SA only) MCPA 500	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 Durati, Kite or Shortim wheat. Apply in 20-100 L/ha.	
	Capeweed, Double gee (Three Cornered Jack), Mustard, Wild radish	SA only			

Crop/ Situation	Weeds Controlled	States	Rate		Critical Comments
Rights of Ways, Commercial and Industrial Areas	Annual and perennial grasses and broadleaf weeds	All States	Initial treatment kg/ha 3.5 to 19.5 19.5 to 33 25 to 39	Re-treatment kg/ha 3.3 to 8.3 8.3 to 14 10 to 19.5	Apply to short sparse growth just before or early in the period of active seasonal growth. Time the application so that rainfall afterwards will take the chemical into the root zone. Under high rainfall conditions, leaching and vegetative growth is greater and more chemical is required. Use higher rates on soil with high clay or organic matter content. In areas with long dry periods or low rainfall use the re- treatment rates. Annual rainfall 0-500 mm 500-1000 mm 1000 mm and over For knockdown of existing weeds add Paraquat 250. NOTE: Established perennials such as bindweed, Johnson grass, nutgrass, and Russian knapweed are not satisfactorily controlled at the recommended rates.
Irrigation Channels		Qld, Vic, SA, Tas only	39 to 78 kg/ha		Use during the non-crop season and when channel is not in use. It is necessary to "fix" it into the soil by applying the Diuron WG prior to expected rainfall. The soil should be moist and preferably bare, i.e. after regrading or cleaning channels. If 50-100 mm of rain has not fallen after application and it is necessary to use the irrigation channel, it will be necessary to fill it with water and allow to stand for 72 hours. The water in the channel should then be drained off and run to waste. Do not use near trees. Use higher rates on soils high in clay and/or organic matter. Apply in 1000-2000 L water/ha.
		NSW, Vic only	19.5 kg/ha		
Drainage ditches		NSW, Vic only	19.5 kg/ha		
Crop/Situation	Weeds Controlled	States	Rate		Critical Comments
Small areas		All States	85 g/15 L knapsack/20M ²		Apply evenly in 75 L water/ha.
Non-Crop Areas	Sensitive plant (Giant)	WA only	2-4 kg/ha or 20-40 g/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: NOT REQUIRED WHEN USED AS DIRECTED.

GENERAL INSTRUCTIONS

United Farmers Diuron 900 WG Herbicide is a powerful weedkiller which remains active in the soil for a long time. Use only at recommended rates and read label directions carefully before using. The effects of this product on weeds are slow to appear and will not become apparent until it is carried into the root zone of the weeds or weed seeds by moisture. Results vary with soil type - lower rates are effective on lighter soils and higher rates on heavier soils.

This product is most effective and economical when applied to moist bare soil or soil carrying a small amount of vegetation. Application should be made shortly before the period of main weed growth and best results will be achieved if rainfall or irrigation occurs within 3-4 days of application. Where additional "knockdown" is required, 600g/L non-ionic surfactant at the rate of 250 - 500 mL per 100 L of water should be added. If existing herbage is excessive, it is advisable to mix Paraquat 250 with United Farmers Diuron 900 WG Herbicide.

This product is inactivated by absorption onto charcoal and other carboniferous materials.

Resistant weeds warning

United Farmers Diuron 900 WG Herbicide is a member of the urea group of herbicides. United Farmers Diuron 900 WG Herbicide has the inhibitor of photosynthesis at photo system II mode of action. For weed resistance management United Farmers Diuron 900 WG Herbicide is a Group C herbicide. Some naturally occurring weed biotypes resistant to United Farmers Diuron 900 WG Herbicide and other inhibitors of photosynthesis at photo system 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 United Farmers Diuron 900 WG Herbicide or other inhibitors of photosynthesis at photosystem II herbicides.

Since the occurrence of resistant weeds is difficult to detect prior to use, United Farmers Cooperative accepts no liability for any losses that may result from the failure of United Farmers Diuron 900 WG Herbicide to control resistant weeds.

Mixing

This product mixes readily with water. Steadily add the required quantity to the spray vat, which should be 50-75% full. The agitation system should be running during addition of the product and during the spraying operation. If left to settle, stir/agitate thoroughly before spraying. Avoid drawing accumulated particles into outlet pipe. Do NOT pre-mix as a paste.

Wetting Agent

Add 600g/L non-ionic surfactant at 125mL/100L---of spray mixture when applying to emerged weeds as a foliar spray.

Compatibility

United Farmers Diuron 900 WG Herbicide is compatible with the following: Paraquat 250, Bipyridyl 250g/L herbicide.

Weed control on non-crop land

United Farmers Diuron 900 WG Herbicide is an effective herbicide for the residual control of many annual and perennial grasses and broadleaf weeds on non-crop land such as rail tracks, roadways, firebreaks, industrial sites, fence lines, storage areas, 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. United Farmers 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.

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.

DO NOT use for soil sterilisation near or under trees or shrubs.

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, well-ventilated locked area, as cool as possible out of direct sunlight and away from children, animals, food, feedstuffs, seed and fertilizers. Do not store for prolonged periods in direct sunlight. Single rinse before disposal. DO NOT dispose of undiluted chemicals on-site. Puncture or shred and bury empty bags 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 bags 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).

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IN EMERGENCY DIAL 000 POLICE OR FIRE BRIGADE	FOR SPECIALIST ADVICE IN AN EMERGENCY CALL 1800 705 766 (24 HOURS)
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