

READ SAFETY DIRECTIONS BEFORE OPENING OR USING

# Bayer Diuron 900 WG

HERBICIDE

Active Constituent: 900 g/kg DIURON

GROUP	C	HERBICIDE
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For the control of weeds in apples, asparagus, bananas, cereals, citrus, coffee, commercial and industrial areas, cotton, lucerne, lupins, pawpaws, pears, perennial grass seed crops, pineapples, rights-of-way, sugar cane and vineyards

## GENERAL INSTRUCTIONS

### Resistant Weeds Warning

Bayer Diuron 900 WG Herbicide is a member of the Ureas group of herbicides. The product has the inhibitors 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 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 this product or other Group C herbicides. Since the occurrence of resistant weeds is difficult to detect prior to use, Bayer CropScience Pty Ltd accepts no liability for any losses that may result from failure of this product to control resistant weeds.

Strategies to minimise the risk of herbicide resistance are available. Consult your farm chemical supplier, consultant, local Department of Agriculture or Primary Industries, or local Bayer CropScience representative.

### Export of Treated Produce

Growers should note that MRLs or import tolerances do not exist in all markets for edible produce treated with Bayer Diuron 900 WG Herbicide. If you are growing edible produce for export, please check with Bayer CropScience Pty Ltd for the latest information on MRLs and import tolerances before using Bayer Diuron 900 WG Herbicide.

### Application

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 chemical into the weed root zone. Add a surfactant/wetting agent where recommended. When spraying emerged weeds best results are obtained when weeds are actively growing. Thoroughly clean all traces of Bayer Diuron 900 WG Herbicide from mixing and 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 tips and screens (clean these parts separately).

### Spray Preparation

Bayer Diuron 900 WG Herbicide is a water dispersible granule formulation to be mixed with water and applied as a spray. Partially fill the spray tank with water. Measure the amount of Bayer Diuron 900 WG Herbicide required for the area to be sprayed. Add the correct amount of Bayer Diuron 900 WG Herbicide to the spray tank with the agitation system engaged. Top up to the correct volume with water.

THE MATERIAL MUST BE KEPT IN SUSPENSION AT ALL TIMES BY CONTINUOUS AGITATION.

In tank mixes, Bayer Diuron 900 WG Herbicide must be in suspension before adding the companion herbicide or surfactant/wetting agent.

### Surfactant/Wetting Agent

Add a surfactant/wetting agent at label rates when applying to emerged weeds as a foliar spray.

### Compatibility

This product is compatible with Ally, paraquat, diquat, trifluralin, 2,4-D amine and ester and MCPA herbicides.

### Crop Safety

On soils low in clay or organic matter plant injury may occur if heavy rains follow treatment. Avoid contact of spray with crop foliage and fruit. Heavy rains after application of this product may cause severe crop damage, risk must be assumed by user.

**PROTECTION OF CROPS, NATIVE AND OTHER NON-TARGET PLANTS**

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. DO NOT drain or flush equipment or spray near desirable trees or other plants, or on areas where their roots may extend, or in situations, particularly sloping areas, where movement of treated soil or by seepage, the herbicide may be absorbed by plant roots. DO NOT use on sandy or gravelly soils or soils low in organic matter.

**Crop Rotations**

DO NOT replant treated area to any crop within two years after last application unless otherwise stated.

**Cotton and Lucerne** - DO NOT replant treated areas to any crop within 1 year after last spray as injury to subsequent crop may occur; except cotton, corn or grain sorghum which may be planted in the spring of the following year.

**Pineapples and Sugar cane** - treated areas can be replanted to pineapples or sugar cane 1 year after last spray.

**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**

Dangerous to fish and other aquatic organisms. DO NOT contaminate streams, rivers or waterways with the chemical or used containers.

**STORAGE AND DISPOSAL**

Keep out of the reach of children. Store in the closed, original container in a dry, well-ventilated area, out of direct sunlight. Single rinse before disposal. Add rinsings to spray tank. Do not dispose of undiluted chemicals on site. Puncture and bury 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 skin and eyes. DO NOT inhale spray mist. After use and before eating drinking or smoking wash hands, arms and face thoroughly with soap and water. If product on skin immediately wash area with soap and water.

**FIRST AID**

If poisoning occurs, contact a doctor or Poisons Information Centre (telephone 13 1126).

**MATERIAL SAFETY DATA SHEET**

Additional information is listed in the Material Safety Data Sheet, which can be obtained from [www.bayercropscience.com.au](http://www.bayercropscience.com.au).

**EXCLUSION OF LIABILITY**

This product must be used strictly as directed, and in accordance with all instructions appearing on the label and in other reference material. So far as it is lawfully able to do so, Bayer CropScience Pty Ltd accepts no liability or responsibility for loss or damage arising from failure to follow such directions and instructions.

APVMA Approval No.: 45177/0204

FOR 24 HOUR SPECIALIST ADVICE  
IN EMERGENCY ONLY  
PHONE 1800 033 111

**DIRECTIONS FOR USE**

**Restraints**

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

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

**FRUIT AND VEGETABLE CROPS**

CROP	WEEDS CONTROLLED	STATE	RATE	CRITICAL COMMENTS
Apples and Pears (established at least 1 year)	Amaranthus, barley grass, barnyard grass, capeweed, cobbler's-pegs, crows foot grass, fat hen, guinea grass, mustard, pigweed, ryegrass, sow thistle, summer grass, wild oats, wild radish, wild turnip	All States	Single application 4 kg/ha  Split application 2 kg/ha	Apply under trees as a broadcast or band spray. Area should be cleared of weeds prior to spraying Bayer Diuron 900 WG Herbicide using a knockdown herbicide e.g. Glyphosate.  <b>Single application:</b> Apply in winter.  <b>Split application:</b> Apply post harvest, with a second application in spring.  <b>Pear - DO NOT use under dwarf trees.</b>
	Toad rush, wireweed	Qld, NSW, Vic, SA, WA only		
	Willow herb	Tas only		
Asparagus	Annual broadleaf weeds and some annual grasses	All States	1.5 to 2 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 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 higher rates on heavier soils.
Bananas		Qld, NSW, WA only	2 to 4 kg/ha	<b>At planting:</b> Apply following fill-in planting. DO NOT spray banana foliage. Use higher rate on heavier soil types. Apply in 200 to 500 L water per sprayed hectare.  Established plantations: Apply avoiding contact with banana plants. Use higher rate on heavier soil types. Add a "knockdown" herbicide (e.g. diquat, paraquat) if weed growth is above 8 cm high.
Citrus (established at least 1 year)		All States		Apply after cultivation in March or April. Apply to bare moist ground prior to emergence of weeds in autumn and spring. DO NOT add a surfactant/wetting agent if spray is likely to contact citrus foliage. DO NOT use on very light sandy soils. Apply in up to 4000 L water/ha. Use higher rate on heavier soils and/or when weeds up to 15 cm in height are present.
	Couch grass		710 g/200 L	<b>Spot spray</b> - Spray to the point of run-off.
Coffee	Annual broadleaf weeds and some annual grasses	Qld, NSW only	4 kg/ha	Apply as an initial spray. Area should be cleared of weeds prior to spraying Bayer Diuron 900 WG Herbicide using a knockdown herbicide e.g. Glyphosate.
			2 kg/ha	Subsequent Applications: Frequency of application will depend on regrowth.
	Couch grass		710 g/200 L	<b>Spot spray</b> - Spray to the point of run-off.

FRUIT AND VEGETABLE CROPS (continued)

CROP	WEEDS CONTROLLED	STATE	RATE	CRITICAL COMMENTS
Grapes (vines must be older than 3 years)	Annual broadleaf weeds and some grasses	All States	2 to 4 kg/ha	Apply as an "under vine" spray prior to seasonal emergence of weeds. Use higher rate for longer term weed control on heavier soil only, low rate should be used for short term control, for topping up or for lighter soil types. DO NOT apply to grapevine butt with a diameter of less than 4 cm.
			83 g /20 m <sup>2</sup>	Under racks - apply after harvest.
Pawpaws (not for use on trees under 9 months old)	Annual broadleaf weeds and some grasses	Qld, NSW only	2 to 4 kg/ha	Avoid contact with plants. Use higher rate on heavier soils. Add a "knockdown" herbicide (e.g. diquat, paraquat) if weed growth is above 8 cm high.
Pineapples		Qld, NSW only	4 kg/ha	<b>NOTE: DO NOT apply more than 8 kg/ha before fruit differentiation or flower bud formation.</b> 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.
			2 kg/ha	Follow-up sprays, if necessary, should be made at the lower rate.

BROADACRE CROPS

CROP	WEEDS CONTROLLED	STATE	RATE	CRITICAL COMMENTS
Cotton	Annual broadleaf weeds and some annual grasses	Qld, NSW only	1 to 2 kg/ha	<b>Pre-emergence</b> 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.  <b>Post-emergence (lay-by)</b> 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 a surfactant at label rates to the spray solution. Apply Bayer Diuron 900 WG Herbicide 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
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, WA only	3 to 3.3 kg/ha	
Phalaris cultivars Sirolan and Sirosa		All States	1.9 kg/ha	This rate should be used for follow-up sprays in the second year.
Lucerne (at least one year established)			1.7 kg/ha	
		All States	1 to 2 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 soils.

## BROADACRE CROPS (continued)

CROP	WEEDS CONTROLLED	STATE	RATE	CRITICAL COMMENTS
Lupins (on light soils only)	Annual ryegrass, capeweed, clovers, double gee, medic, wild radish, wild turnip	WA only	1.1 kg/ha	Apply at pre-sowing to pre-emergent stage. DO NOT use on white or grey sands as severe crop damage may result. Tank mix with Trifluralin where Annual ryegrass is expected to be a problem.
Sugar Cane	Most grasses, vines and other broadleaf weeds when germinated from seed or in early seedling stage	QLD, NSW only	4 kg/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.
			2 to 4 kg/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 surfactant at label rates will enhance activity, but direct spray below cane leaves.
Wheat, Barley & Oats	Capeweed, charlock, ice plant, melilotus, mustards, poppy, saffron thistle, sheep weed, three-cornered jack, turnips, yellow burr weed	NSW, Vic, SA only	500 g/ha	Apply when weeds are at the 2 to 4 leaf stage and soon after the crop is past the 2 ½ leaf stage which is normally within 6 weeks of sowing. <b>DO NOT SPRAY LATER THAN THE EARLY TILLERING STAGE.</b>
Wheat, Barley	Amsinckia (yellow burr weed), capeweed, deadnettle, double gee (three-cornered jack), mustard, white ironweed (sheep weed), wild radish	NSW, Vic only	280 g/ha plus 500 mL/ha MCPA (500 g/L)	Apply by boom spray or aircraft when crop is at the 3 to 5 leaf stage (NSW & SA only) and 5 leaf (Vic only). Weeds must be in the 2 to 5 leaf stage. DO NOT spray if rain is imminent. DO NOT apply to under sown medic or lucerne. In NSW DO NOT use on Durati, Hybird Titan, Kite or Shortim wheat. Apply in 20 to 100 L water/ha.
	Capeweed, double gee (three-cornered jack), mustard, wild radish	SA only	280 g/ha plus 350 mL/ha MCPA (500 g/L)	
Wheat, Barley, Triticale, Oats	Capeweed, double gee, radish, turnip, mustard	WA only		Apply by boom spray or aircraft. Weeds must be in the 2 to 5 leaf stage. Crop and weeds should be dry at time of spraying. DO NOT spray if rain is imminent. Under-sown sub-clover may be slightly retarded. DO NOT apply to under-sown medics. Apply in 40 to 70 L water/ha.
			200 g/ha plus 400 mL/ha MCPA (500 g/L)	Apply when crop has at least 3 to 5 leaves on the main stem (Zadoks 13-15)
			280 g/ha plus 250 mL/ha 2,4-D amine (500 g/L)	Apply when crop has at least 4 to 5 leaves on main stem (Zadoks 14-15)

## TOTAL WEED CONTROL IN NON-CROP AREAS (All States)

SITUATION	WEEDS CONTROLLED	RATE	CRITICAL COMMENTS
Rights of Way, Commercial and Industrial areas	Annual grasses, perennial grasses and broadleaf weeds	<p>4.5 to 18 kg/ha 18 to 36 kg/ha 27 to 40 kg/ha</p> <p>3.5 to 7 kg/ha 7 to 13.5 kg/ha 9 to 18 kg/ha</p> <p>220 to 890 g/100 L 890 g to 1.8 kg/100 L 1.3 to 2 kg/100 L</p> <p>180 to 355 g/100 L 355 to 670 g/100 L 450 to 890 g/100 L</p>	<p>Use higher rates in the ranges shown on soils with high clay and/or organic matter content and where maximum duration of control is required.</p> <p>If moderate weed growth i.e. greater than 15 cm in height, is present at time of spraying, add a knockdown herbicide to the mixture.</p> <p>Apply to short growth. Apply just before or during the active growing season.</p> <p><b>DO NOT</b> treat during dry season.</p> <p>Time application so that the rainfall afterwards will take chemicals down to the root zone for uptake by roots.</p> <p>For application by railways tanker or boom sprayer apply in 400 to 800 litres of water per hectare. For power spraying equipment apply the equivalent of at least 2000 L per hectare.</p> <p><b>Railway Tanker or Boom Sprayer - initial treatment</b> Annual rainfall 0 to 500 mm Annual rainfall 500 to 1000 mm Annual rainfall 1000 mm and over</p> <p><b>Re-treatment</b> Annual rainfall 0 to 500 mm Annual rainfall 500 to 1000 mm Annual rainfall 1000 mm and over</p> <p><b>High Volume or Power Spraying - initial treatment</b> Annual rainfall 0 to 500 mm Annual rainfall 500 to 1000 mm Annual rainfall 1000 mm and over</p> <p><b>Re-treatment</b> Annual rainfall 0 to 500 mm Annual rainfall 500 to 1000 mm Annual rainfall 1000 mm and over</p>
Small areas		90 g in 15 L knapsack/20 m <sup>2</sup>	<p>Apply evenly in 65 L water/ha</p> <p><b>NOTE:</b> Established perennials such as nutgrass, Johnson grass, bindweed and Russian knapweed are not satisfactorily controlled at recommended rates.</p>

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

**WITHOLDING PERIOD: NOT REQUIRED WHEN USED AS DIRECTED**