

READ SAFETY DIRECTIONS BEFORE OPENING OR USING

Apparent



Diuron 900 WG

HERBICIDE

ACTIVE CONSTITUENT: 900 g/kg DIURON

GROUP C HERBICIDE

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

IMPORTANT: READ THE ATTACHED LEAFLET BEFORE USE

APVMA Approval No: 65501/51062

APPARENT PTY LTD A.C.N. 143 724 136

Suite G.08 | 762 Toorak Road, Hawthorn East VIC 3123 Australia
T +61 3 9822 1321 F +61 3 9817 7845 E enquiries@apparentag.com.au
www.apparentag.com.au

DIRECTIONS FOR USE:

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.

DO NOT apply when wind speed is less than 3 or more than 20 kilometres per hour as measured at the application site.

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).

CROP	WEED	STATE	RATE/ha	CRITICAL COMMENTS
Apples and pears (established at least 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: 4 kg	Apply under trees as a broadcast or band spray. Area should be cleared of weeds, prior to spraying. Single Application: Apply in Winter.
	Toad Rush, Wireweed	Qld, NSW, ACT, Vic, SA, WA only	Split application: 2 kg	Split Application: Apply post harvest, with a second application in Spring.
	Willow Herb	Tas only		
Asparagus	Annual broadleaf weeds and some annual grasses	All States	1.5 - 1.9 kg/sprayed per ha	Apply in established beds after they have been '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. DO NOT use on seedling asparagus. Use higher rates on heavier soils.

STORAGE AND DISPOSAL

KEEP OUT OF REACH OF CHILDREN. Store in the closed, original container in a cool, well-ventilated area. Out of direct sunlight. Single rinse before disposal. Add rinsing to spray tank. DO NOT dispose of undiluted chemicals on-site. Break, crush or puncture container and deliver empty packaging for appropriate disposal to an approved waste management facility. 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 the supplier.

CONDITIONS OF SALE:

Apparent Pty Ltd accepts responsibility for the consistent quality of the product; however since the use and application of the product is beyond control, the company accepts no responsibility whatsoever for any loss, damage or other result following the use of the product whether used in accordance with directions or not; other than those mandatorily imposed by statutes, the liability is limited to the replacement of the goods and is conditional upon a claim made in writing and, where necessary, a sufficient part of the goods being returned for proper examination by the company within thirty days of sale.

CROP (cont)	WEED	STATE	RATE/ha	CRITICAL COMMENTS
Bananas	Amaranthus, Barnyard Grass, Crowsfoot Grass, Guinea Grass, Summer Grass, Barley Grass, Rye Grass, Wild Oats, Cobbler's Pegs, Pigweed, Prince of Wales Feather, Fat Hen, Mustard, Sow Thistle, Capeweed, Wild Radish, Wild Turnip	NSW, Qld, WA only	1.9 - 3.9 kg	At planting: Apply as a directed spray following fill-in after planting. DO NOT spray banana foliage and avoid spraying banana suckers. Use higher rate on heavier soil types. Apply in 200 to 500 L water/ 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 higher rate on heavier soil types.
			275-500 g Plus 1.2 or 1.6 L/ha Paraquat (250 g/L)	Add to 'Paraquat' to enhance weed control under favourable growing conditions and in open sunny conditions. Apparent Diuron 900 WG Herbicide at rates up to 500 g/ha can be blanket sprayed. Use a directed spray for higher rates of Apparent 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 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 250 label for rates and full directions. If Paraquat (250 g/L) rate is less than the ratio 500 mL/100 L add 100 mL/600g/L non-ionic surfactant or 60 mL of 1000 g/L non-ionic surfactant per 100L spray mix.
Citrus	Weed seedlings of: Amaranthus, Barley Grass, Barnyard Grass, Billygoat Weed, Blackberry Nightshade, Capeweed, Cobblers Pegs, Common Sowthistle, Crowsfoot Grass, Fat Hen, Feather-top, Pigweed, Rhodes Grass, Guinea Grass, Pigweed, Red Natal Grass, Ryegrass, Spiny Burr Grass, Summer Grass, Wild Mustard, Wild Oats, Wild Radish, Wild Turnip, Winter Grass, Wireweed Couch Grass	All States	1.9 – 3.9 kg	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 sand. Apply in up to 4000L water/ha. Use higher rate on heavier soils and if weeds up to 15 cm in height are present.
			710 g per 200 L	Spot Spraying - Spray to the point of run-off.
			3.9 kg/ sprayed ha	Initial application: Destroy all vegetative growth by spraying Paraquat before applying Apparent Diuron 900 WG Herbicide Subsequent application: Frequency of application will depend on regrowth. Use higher rates if weed growth is dense.
Coffee	Weed seedlings of: Barnyard Grass, Billygoat Weed, Sourgrass, Summer Grass Couch Grass	Qld only	1 - 1.9 kg plus 600 mL-1.1 L Paraquat (250 g/L) plus non-ionic surfactant 600 g/L 710 g/200 L	Spot Spraying - Spray to the point of run-off.
Cotton	Annual broadleaf weeds and some annual grasses	Qld & NSW only	1 - 1.9 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 result. 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 600 g/L non-ionic surfactant to the spray solution at the rate of 250-500 mL per 1000Litres. Apply Apparent 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 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 300-500 L water/ha.
Gladioli, Tulips, Daffodils	Weeds seedlings of: Summer Grass, Barnyard Grass, Mustard, Barley Grass, Ryegrass, Wild Oats, Capeweed, Wild Radish, Wild Turnip Blackberry Nightshade, Cobbler's Pegs Winter Grass, Thistles	All States	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.
		Tas only		
Grapes (vines must be older than 3 years)	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	1.9 - 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.
			85 g/20 m ²	Under racks - apply after harvest.
	Winter Grass, Black Nightshade, Thistles,	Tas only	1.9 - 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.

CROP (cont)	WEED	STATE	RATE/ha	CRITICAL COMMENTS
Grass seed crops established (at least 1 year old) fescue, phalaris and cocksfoot	Annual broadleaf weeds and some annual grass weeds	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, ACT, Vic, Tas WA only	3 - 3.3 kg/ha	
		All States	1.9 kg/ha 1.7 kg/ha	This rate should be used for follow-up sprays in the second year. DO NOT use a tank mix with Paraquat 250.
Lucerne (established for 1 year or more)	Weed seedlings of: Capeweed, Wireweed, Chickweed, Summer Grass, Dock, Barnyard Grass, Thistles, Billygoat Weed, Spiny Emex, Ryegrass, Barley Grass, Shepherd's Purse, Fat Hen	All States	1 - 1.9 kg	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, Wild Turnip, Mustard	Tas only		
Lupins (on light soils only)	Annual Ryegrass, Capeweed, Clovers, Medics, Doublegee, Wild Radish, Wild Turnip and suppression 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.
Pawpaw (not for use on trees under 9 months old)	Seedlings of Guinea Grass, Crowsfoot Grass, Barnyard Grass, Billygoat Weed, Summer Grass, Giant Sensitive Plant, Red Natal Grass	Qld & NSW only	1.9 – 3.9 kg/ha	Avoid contact with plants. Use higher rates on heavier soils.
			1.9 – 3.9 kg/ha plus 1.1 - 1.7 L/ha Paraquat 250. Add 200 mL 600 g/L non-ionic surfactant per 100 L to the made up spray, ie. 30 mL/15 L knapsack	Add Paraquat 250 to Apparent 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 growth.
Peas	Annual Ryegrass, Barley Grass, Brome Grass, Capeweed, Doublegee, Mustards, Wild Oats, Wild Radish, Wild Turnip	WA only	835 g - 1.2 kg/ha	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 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 4000 L water/ha.
			1.9 kg/ha	Follow-up sprays, if necessary, should be made at this lower rate.
			3 - 9 kg/ha	Pre-emergence of cane and weeds. Soil surface must be moist at times of application. Rain or irrigation is required within 10 days of application.
Sugar cane (Plant and ratoon crops)	Barley 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 - 3.9 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 600 g/L non-ionic surfactant at 250 mL/100 L of water will enhance activity, but direct spray below cane leaves.
			275 g/ha - 3.9 kg/ha plus 1.2 - 1.6 L Paraquat 250	Add to Paraquat 250 to enhance weed control under favourable growing conditions and in open sunny conditions. APPARENT DIURON 900 WG HERBICIDE at rates up to 500 g/ha can be blanket sprayed. Use a directed spray for higher rates of APPARENT DIURON 900 WG HERBICIDE. Complete spray coverage is essential. For grasses and broadleaved weeds up to 5 cm high use a minimum for 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 >10cm high and dense mature weeds. Refer to Paraquat label for rates and full directions.
			3 - 9 kg/ha	Pre-emergence of cane and weeds. Soil surface must be moist at times of application. Rain or irrigation is required within 10 days of application.
Summer Fallow	Potato Weed (<i>Hefiotropium europaeum</i>)	SA only	275 g/ha	Only effective when in mixture with Paraquat 250 g/L at 1.6 L/ha(See Paraquat 250 g/L herbicide label).
Barley, Oats, Wheat.	Amsinkia (Yellow Burr), Capeweed, Charlock, Deadnettle, Iceplant, Melilotus, Mustard, Poppy, Saffron Thistle, Sheepweed, Three Corner Jack, Wild Radish	SA, Vic, ACT and NSW 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
Wheat, Barley, Triticale, Oats	Capeweed, Doublegee, 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 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 is imminent. Under-sown sub-clovers may be slightly retarded. Do not apply to under-sown medic. Apply in 40-70 L/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). 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 is imminent. Under-sown sub-clovers may be slightly retarded. Do not apply to under-sown medic. Apply in 40-70 L/ha

CROP (cont)	WEED	STATE	RATE/ha	CRITICAL COMMENTS
Wheat and Barley	Amsinkia (Yellow Burr), Capeweed, Deadnettle, Double gee (Three Corner Jack), Mustard, White Ironweed (Sheepweed), Wild Radish	NSW, Vic, & ACT only	280 g/ha plus 500 mL/ha MCPA 500	Apply by boom spray or aircraft when the crop is at the 3-5 leaf stage (NSW, SA only) or 5 leaf stage (Vic only). Weeds must be at the 2-5 leaf stage. DO NOT spray if rain is imminent. Do not apply to under-sown medics. In NSW do not use on Durati, Kite or Shortim Wheat. Apply in 20-100 L/ha.
				Capeweed, Dougle gee (Three Corned Jack), Mustard, Wild radish
Right of way, commercial and industrial areas	Annual and perennial grasses and broadleaf weeds	All States	3.5 to 19.5 19.5 to 33 25 to 39	Apply to 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. 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. Initial Treatment Annual rainfall 0-500 mm. Annual rainfall 500-1000 mm. Annual rainfall 1000 mm and more.
			3.3 - 8.3 8.3 - 14 10 - 19.5	Re-treatment Annual rainfall 0-500 mm. Annual rainfall 500-1000 mm. Annual rainfall 1000 mm and more.
			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 product prior to expected rainfall. 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 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.
Irrigation channels	Annual and perennial grasses and broadleaf weeds.	Qld, Vic, SA & Tas only	19.5 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 product prior to expected rainfall. 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 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	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 product prior to expected rainfall. 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 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.
Drainage ditches		NSW, Vic only	19.5 kg/ha	Apply under the same conditions as for irrigation channels. Apply in 1000-2000 L water/ha.
Small Areas		All States	85 g in 15 L Knapsack per 20 m ²	Apply evenly in 75 L water/ha.
Non-crop Areas	Sensitive Plant (Giant)	WA only	2 - 4 kg/ha or 20 - 40 g/10 L	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 PERIODS: NOT REQUIRED WHEN USED AS DIRECTED

GENERAL INSTRUCTIONS

Apparent 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, 600 g/L non ionic surfactant at the rates 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 Apparent Diuron 900 WG Herbicide.

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

RESISTANT WEEDS WARNING

GROUP C HERBICIDE

Apparent Diuron 900 WG Herbicide is a member of the Urea group of herbicides. Apparent Diuron 900 WG Herbicide has the inhibitor of photosynthesis at photosystem II mode of action. For weed resistance management Apparent Diuron 900 WG Herbicide is a Group C herbicide.

Some naturally-occurring weed biotypes resistant to Apparent Diuron 900 WG 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 Apparent Diuron 900 WG Herbicide or other Group C herbicides.

Since the occurrence of resistant weeds is difficult to detect prior to use, Apparent Pty Ltd accepts no liability for any losses that may result from the failure of Apparent 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. It 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 600 g/L non-ionic surfactant at 125 mL/100 L of spray mixture when applying to emerged weeds as a foliar spray.

Compatibility

Apparent Diuron 900 WG Herbicide is compatible with the following: Paraquat 200 g/L and 250 g/L formulations.

WEED CONTROL ON NON-CROP LAND

Apparent 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. Apparent 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 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 ENVIRONMENT:
Do NOT contaminate streams, rivers or waterways with the chemical or used containers.