

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

4flogo

DIURON 500 SC
Liquid Herbicide

Active Constituent: 500 g/L DIURON

Solvent: 50 g/L ethylene glycol

GROUP	C	HERBICIDE
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**For control of weeds
in
cereals, bananas, citrus, cotton, lucerne, pineapples, sugar cane,
vineyards, rights-of-way, commercial and industrial areas.**

***L NET**

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

APVMA Approval No.:56349/*L/0204
Date of Manufacture:
Batch Number:

* = 10, 20 110, 200, 1000

General Instructions

Mixing

Prior to pouring, shake container vigorously, then add the required amount of product to the partly filled tank while agitating. Continue agitating while filling the tank. Agitate continuously while carrying out spraying operations. Reseal part used container immediately after use.

Resistant Weeds Warning

GROUP

C

HERBICIDE

Diuron 500 SC Liquid 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 500 SC Liquid Herbicide is a group C herbicide.

Some naturally-occurring weed biotypes resistant to Diuron 500 SC Liquid 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 500 SC Liquid Herbicide or other group C 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 500 SC Liquid Herbicide to control resistant weeds.

Compatibility

This product is compatible with 2,4-D amine, amitrole and MCPA, 4Farmers Metolachlor 720 and 4Farmers Trifluralin 480. Add the required amount of product when the spray tank containing Diuron 500 SC is nearly full and being continually agitated. Do not mix concentrates together but add each to the spray tank separately. Important: always mix Diuron 500 SC with the water in the spray vat first then add the other herbicide. Keep agitation going during mixing.

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 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).

Crop Damage

Heavy rains after application may cause severe crop damage. Risk must be assumed by user.

Protection of Wildlife, Fish, Crustacea and Environment

DO NOT contaminate streams, rivers or waterways with the chemical or used container.

DO NOT use the container for any other purpose.

Protection of Crops, Native and 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 by movement of treated soil or by seepage, the herbicide may be absorbed by plant roots.

DO NOT use on sandy, loamy or gravelly soils, unless otherwise stated, as crop damage may result.

DO NOT replant treated areas within 2 years of application unless otherwise stated.

DO NOT plant other crops within one year of application to cotton.

When used as directed in cereal or pulse crops, any of those crops may be sown the next season.

Storage and Disposal

Keep out of reach of children. Store in the closed, original container in a well-ventilated area, as cool as possible. Do not store for prolonged periods in direct sunlight. Store apart from fertilisers, insecticides and fungicides. Triple or (preferably) pressure rinse containers before disposal. Add rinsings to spray tank. Do not dispose of un-diluted chemical on-site.

If recycling, replace cap and return clean containers to recycler or designated collection point. If not recycling, break, crush, or 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.

For refillable containers Empty contents fully into application equipment. Close all valves and return to (point of supply/ designated collection point/ other specific collection details) for refill or storage.

SAFETY DIRECTIONS

Will irritate the eyes. Avoid contact with eyes and skin. When opening the container, preparing the spray and using the prepared spray, wear cotton overalls buttoned to the neck and wrist and a washable hat and elbow-length PVC gloves. Wash hands after use. After each days use, wash gloves and contaminated clothing.

First Aid

If poisoning occurs, contact a doctor or Poisons Information Centre (Ph 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.

SHAKE WELL BEFORE USE.

Directions for use

Crop/ Situation	Weeds Controlled	State(s)	Rate/ha	Critical Comments
Bananas	Amaranthus, Barley grass, Barnyard grass, Capeweed, Cobbler's pegs, Crowsfoot grass,	QLD NSW ONLY	3.5 to 7.2 L	Directed spray to new plantings immediately after planting: Care should be taken to avoid spraying banana suckers. Directed spray to established plantings before weed emergence: Care should be taken to avoid spraying banana suckers. Use higher rates on heavier soils.
Citrus	Fat hen, Guinea grass, Mustard, Pigweed, Prince of Wales feather, Rye grass, Sow thistle, Summer grass,	ALL STATES	3.5 to 7.2 L	High volume or boom spraying: Apply a minimum of 300-500 L of spray mixture per sprayed hectare. Apply to bare moist ground prior to emergence of weeds in autumn and spring. If emerged annual weeds are present (up to 15 cm high) add a non-ionic (eg wetter 1000 at 100mL/100L) surfactant to the spray mixture. Avoid spray drift or contact onto fruit or foliage. Use with caution on light sandy soils as crop injury may occur and the low rate only should be used.
Cotton	Wild oats, Wild radish, Wild turnip	QLD NSW ONLY	1.8 to 3.5 L	Pre-planting incorporation: Incorporate with Lillistone cultivators to a depth of no more than 5 cm. This product may be tank mixed with trifluralin. If a follow up pre-emergence treatment is used, do not exceed a total of 3.5 L/ha. Ensure that cottonseed placement is below the treated soil zone. Pre-emergence: Spray bare, moist soil immediately after planting. Check nozzle output of boom sprayer and adjust speed and pressure to deliver 150-500 L/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, add a non-ionic (eg wetter 1000 at 100mL/100L) surfactant to the spray mixture. Use higher rates on soils high in organic matter or clay. Avoid spray drift onto cotton plants as injury may result. DO NOT apply more than once per season. DO NOT plant other crops within one year of application.
Pineapples		QLD ONLY	7.2 L	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.
			7.2 L	Plant crops: Apply after planting and before weed emergence. Repeat as necessary.
			3.5 L	Repeat spray: If necessary, but not less than 2 monthly intervals. DO NOT apply more than 14.4 L 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.
			7.2 L	Ratoon crop: Apply immediately prior to the first rains on weed free soil.
			3.5 L	Repeat spray. Instructions as above for repeat spray.

Crop/ Situation	Weeds Controlled	State(s)	Rate/ha	Critical Comments
Perennial grass seed crops	As Above	SA VIC ONLY	2.8 to 4.5 L	Boom spray: Apply during the dormant period before weeds emerge. Use the higher rate on heavier soils and in areas where ash residues may have accumulated from burning fallow. Apply to established plantings (ie at least one year old Phalaris, Currie cocksfoot and Demeter fescue).
Vineyards		ALL STATES	3.5 to 7.2 L	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.
Sugar cane	Amaranthus, Barley grass, Barnyard grass, Capeweed, Crowsfoot grass, Fat hen, Guinea grass, Mustard, Prince of Wales feather, Ryegrass, Sow thistle, Summer grass, Wild radish, Wild turnip.	QLD NSW ONLY		In all areas except the Burdekin, apply immediately after planting or harvesting the crop and before crop, weeds and grasses emerge.
			5.6 to 7.2 L	Band or overall spray: Apply after planting or harvesting and before crop emergence.
			5.6 to 7.2 L	Directed spray: After cultivation to emerged cane.
			3.5 L	Apply at this rate after crop emergence if an application was made at planting or after harvesting.
			5.6 to 7.2 L plus 200 mL surfactant*/ 100 L spray mixture	Apply where emerged annual weeds or grasses (15 cm or less in height) are present at spraying time. When surfactant is added, apply as a direct spray avoiding contact with the cane spindle. *: 1000 g/L surfactant: e.g. Wetter 1000.
Lucerne (established for 1 year or more)		SA ONLY	3.5 L	Boom sprayer application just prior to or at weed emergence only.
	Barley grass, Ryegrass	QLD NSW ACT, VIC ONLY	3.5 L	Boom sprayer application during the dormant period In sub-tropical areas during the June/August period.
Wheat, Barley	Capeweed, Charlock, Deadnettle, Ice-plant, Melilotus, Mustards, Rough poppy, Saffron thistle, Sheepweed, Three-cornered Jack, Wild turnip, Yellow burrweed	SA ONLY	850 mL	Boom spray, post-emergence: When the crop has reached the 2-4 leaf stage. Sow the crop at least 5 cm deep. Spray when weeds have germinated and are in 2-4 leaf stage, are actively growing and less than 6 weeks old. Area may be sown to a tolerant crop next season.
	Soursob		1.3 to 1.7 L	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.
Wheat, Triticale Cereal rye Oats Barley*	Capeweed, Double gee, Mustard, Wild Radish (suppression only) Water Weeds (Toad	WA Only	500 mL to 1.0L *Barley to 700 mL only	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

Crop/ Situation	Weeds Controlled	State(s)	Rate/ha	Critical Comments
	Rush, Crassula)			“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.
Wheat, Barley Triticale Cereal rye Oats	As above plus suppression of Annual Ryegrass, Barley and silver grasses		1L/ha plus 500 mL /ha of 4Farmers Metolachlor 720, to improve suppression of ryegrass	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.
Wheat, Barley, Triticale, Cereal rye			500mL-1L plus Trifluralin at 830mL/ha of 480g ai/L product	As above Must be incorporated within 4 hours of application
Wheat, Barley, Triticale, Cereal rye	Capeweed, Mustard, Three-cornered Jack, Turnip weed, Wild radish, Wild turnip	SA Only	500 mL plus 350 mL MCPA Amine 500	Apply by boom spray or aircraft when crop is at the 3-5-leaf stage (SA & NSW / ACT 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. DO NOT use on Kamilaroi, Olympic or Shortim Wheat.
	Amsinckia (yellow burr), Capeweed, Charlock, Deadnettle, Double gee (spiny emex), Erodium, Mustard, Turnip weed, White ironweed (corn gromwell, sheepweed), Wild radish, Wild turnip	NSW, ACT, VIC ONLY	500 mL plus 500 mL MCPA Amine 500	After any of the listed uses for cereals, the area may be sown to a tolerant crop next season.
Wheat, Barley, Oats	Capeweed, Double gee, Erodium, London rocket Lupin	WA ONLY	350 mL plus 400 mL MCPA Amine 500	Apply according to crop stage using boom spray or aircraft with 20-100 L water/ha. 3-4 leaf stage (Zadoks 13-14)

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	Mustard, Rapistrum, Wild radish, Wild turnip		400 mL plus 500 mL MCPA Amine 500	4-6 leaf (Zadoks 14-16)
			500 mL plus 250 mL 2,4-D Amine 500	4-6 Leaf stage (Zadoks 14-16) Apply when most weeds have germinated and are in 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 medics. DO NOT use on crops grown on very light sandy soils low in organic matter and liable to drift. DO NOT apply later than 6 weeks after planting.
Lupins	Annual Ryegrass, Capeweed, Clovers, Medics, Doublegee, Wild Radish, Wild Turnip	WA only	2L/ha (plus 1.5 L/ha trifluralin 400)	Apply pre-sowing to pre-emergent. Tank mix with Trifluralin where rye grass expected. DO NOT USE ON WHITE OR GREY SANDS. After this use, the area may be sown to a tolerant crop next season.
Irrigation channels & drainage ditches	Annual grasses, Perennial grasses, Broadleaf weeds	All States except NSW / ACT	72 to 144 L or 720 mL to 1.4 L 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. Use lower rate on lighter soils.
		NSW, ACT ONLY	40 L	DO NOT use channels or ditches for horticultural irrigation for 8 weeks after treatment.
Rights-of-way, commercial & industrial areas	Annual grasses, Perennial grasses, Broadleaf weeds	ALL STATES	8 to 32 L 32 to 64 L 48 to 72 L	Railway tanker or boom sprayer - initial treatment: Annual rainfall 0-500 mm Annual rainfall 500-1000 mm Annual rainfall 1000 mm and over
			6.4 to 12.8 L 12.8 to 25 L 16 to 32 L	Re-treatment: Annual rainfall 0-500 mm Annual rainfall 500-1000 mm Annual rainfall 1000 mm and over
			400 mL to 1.6 L /100 L 1.6 to 3.2 L /100 L 2.4 to 3.6 L /100 L	High volume or power spraying - initial 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
			320 to 640 mL/100 L 640 mL to 1.2 L/100 L 800 mL to 1.6 L/100 L	Re-treatment: Annual rainfall 0-500 mm Annual rainfall 500-1000 mm Annual rainfall 1000 mm and over
				If moderate weed growth (ie greater than 15 cm in height) is present at the time of spraying add a knockdown herbicide 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 root zone for uptake by the roots. For application by railway tanker or boom sprayer, apply in 400-800 L water per hectare. For power spraying or hand spraying equipment, apply the equivalent of at least 2000 L per hectare
Bore drains	Prickly Acacia, Mimosa bush	QLD ONLY	64 L	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 bypass 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.

GRAZING AND HARVEST: NOT REQUIRED WHEN USED AS DIRECTED.