



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



 **Crowbar**[®]
Herbicide

ACTIVE CONSTITUENT: 375 g/L DICLOFOP-METHYL
SOLVENT: 551 g/L HYDROCARBON LIQUID

GROUP A HERBICIDE

**A Post-emergent herbicide Control of Annual Ryegrass,
Common Barbrgrass and Wild Oats in Wheat, Linseed,
Peas and other Crops and for the control of Crowsfoot Grass
in turf as listed in the Directions for Use table.**

IMPORTANT: READ THE ATTACHED LEAFLET BEFORE OPENING OR USING

Distributed by:

Amgrow Pty Ltd ABN 81 100 684 786
Unit B2A, 3-29 Birnie Avenue, Lidcombe NSW 2141
TELEPHONE: 1800 631 008

CONTENTS

5L, 10L, 20L & 1000L



STORAGE AND DISPOSAL

Store in the closed, original container in a cool, well ventilated area. DO NOT store for prolonged periods in direct sunlight.

For Non-Refillable Containers: Triple rinse containers before disposal. Add rinsings to spray tank. DO NOT dispose of undiluted chemicals on site. If recycling, replace cap and return clean containers to recycler or a designated collection point. If not recycling, break, crush, or puncture and deliver empty packaging to an approved waste management facility. If an approved waste management facility is not available bury the empty packaging 500 mm below the surface in a disposal pit specifically marked and set up for this purpose clear of waterways, desirable vegetation and tree roots, in compliance with relevant Local, State or Territory government regulations. DO NOT burn empty containers or product.

For Refillable Containers: Storage must be secure so that contents cannot be tampered with. All locks and/or seals must be in order. If locks or seals are broken prior to initial use then the integrity of this product cannot be assured. If this occurs Amgrow Pty Ltd should be advised immediately. Empty contents fully into application equipment. Close all valves and return to point of supply for refill or storage.

SAFETY DIRECTIONS

Will irritate the eyes and skin. Avoid contact with eyes and skin. DO NOT inhale vapour. When opening the container, preparing spray and using the prepared spray, wear cotton overalls buttoned to the neck and wrist, and a washable hat, elbow-length PVC gloves and goggles. If product in eyes, wash it out immediately with water. Wash hands after use. After each day's use, wash gloves, goggles and contaminated clothing.

FIRST AID

If poisoning occurs contact a doctor or Poisons Information Centre. Phone Australia 13 11 26. If swallowed, do NOT induce vomiting. Give a glass of water.

ADVICE TO PHYSICIAN

No antidote is available and treatment should be symptomatic. Gastric lavage with medical charcoal in water is recommended. Induce diuresis and monitor electrolyte and fluid balance. Observe kidney function.

MATERIAL SAFETY DATA SHEET

Additional information is listed in the Material Safety Data Sheet (MSDS) which can be obtained from the supplier.

CONDITIONS OF SALE: Amgrow Pty Ltd shall not be liable for any loss injury damage or death whether consequential or otherwise whatsoever or howsoever arising whether through negligence or otherwise in connection with the sale supply use or application of this product. The supply of this product is on the express condition that the purchaser does not rely on Amgrow's skill or judgement in purchasing or using the same and every person dealing with this product does so at his own risk absolutely. No representative of Amgrow has any authority to add to or alter these conditions.

® Crowbar is a registered trademark of Amgrow Pty Ltd

IN A TRANSPORT EMERGENCY DIAL 000
• POLICE OR FIRE BRIGADE •



Batch Number

Date of Manufacture

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▲ PEEL HERE ▲

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DIRECTIONS FOR USE:

RESTRAINTS: DO NOT apply if rainfall is expected within 2 hours.
 DO NOT spray when temperatures are higher than 25°C.
 DO NOT apply to weeds or crop under stress due to, for e.g. very dry, very wet, nutrient deficient, frost or diseased conditions.

CROP	WEED	STATE	WEED STAGE	RATE L/ha	CRITICAL COMMENTS
Wheat, linseed, triticale, canola, oilseed rape, safflower, rye, barley	Annual (Wimmera) Ryegrass	All States	2 to 4 leaf	1	Apply generally 3 to 4 weeks after sowing, when cereals usually 2 to 5 leaves. For barley, apply only when crop is 4 to 5 leaf stage. Add wetting agent at 0.25% a.i. to water in spray tank. This is irrespective of volume of water/ha or rate of Crowbar Herbicide. DO NOT add wetting agent if mixing with some other sprays (refer compatibility).
	Common Barbgrass	NSW only		1.25	
Lupins, peas	Annual Ryegrass	NSW, Vic, Tas, SA, WA only	2 to 4 leaf	1	
	Common Barbgrass	NSW only		1.25	
Wheat, linseed, triticale, oilseed rape, safflower, rye, barley, canola	Wild Oats	All States	2 to 3 leaf	1.5	For barley, apply only when crop is 4 to 5 leaf stage. Avoid double spraying (overlap) at the maximum rate of 1.5L/ha. In crops other than barley, use 2 L rate if most weeds 3 to 4 leaf and if spraying 4 to 6 weeks after sowing, especially in northern NSW and Qld. Add wetting agent as above.
			3 to 4 leaf	2 (not barley)	
Lupins, peas	Wild Oats	NSW, Vic, Tas, SA, WA only	2 to 3 leaf	1.5	Use 1.5 L rate only if growing conditions are very favourable and weeds are 2 to 3 leaf, 3 to 4 weeks after sowing, and cereals usually 2 to 3 leaf.
			3 to 4 leaf	2	
Pasture legume seed crops	Annual Ryegrass	All States	2 to 4 leaf	1	Add wetting agent as above. Ensure thorough coverage of weeds.
	Wild Oats			1.5 to 2	
Oilseed poppies	Wild Oats, Annual Ryegrass (refer critical comments)	Tas only	See critical comments	0.5 to 3	DO NOT add wetting agent. Apply in accordance with recommendations made by the Department of Agriculture or the poppy contracting company.

CROP	WEED	STATE	WEED STAGE	RATE L/ha	CRITICAL COMMENTS
Turf: kikuyu, hybrid couch cv. Tifdward	Crowsfoot Grass (<i>Eleusine indica</i>)	Qld, NSW, ACT only	See critical comments	1L/ha or 100mL in 100L of water per 1000 m ²	Apply to weeds between the seedling and tillering stage for the best results. Use lower rates for seedlings and higher rates for established grass weeds. A repeat spray may be needed in 2 to 4 weeks. Results are best when Crowbar Herbicide is applied under good growing conditions and weeds have sufficient leaf area ie 2 to 3 days after mowing.
Queensland blue couch				1 to 1.5L/ha or 100 to 150mL in 100L of water per 1000m ²	
Common couch, Buffalo, hybrid couch cv. Tifway, carpet grass, salt couch				1 to 2.5L/ha or 100 to 250mL in 100L of water per 1000m ²	

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

WITHHOLDING PERIODS:

GRAZING: DO NOT GRAZE OR CUT FOR STOCKFEED FOR 7 WEEKS AFTER APPLICATION.

CROP HARVEST: NOT REQUIRED WHEN USED AS DIRECTED.

GENERAL INSTRUCTIONS

For best results apply when growing conditions are good to weeds and crop which are not stressed from factors such as severe frost, waterlogging or dry conditions. Avoid applying to crops which are covered in dew or frost. Wild oats germinating after application will often be stunted and will not seriously compete with the crop.

Results indicate that a spray mixture may be left overnight without loss of efficiency, if spraying cannot be completed but it is recommended that the spray mixture be used on the same day it is prepared.

MIXING

Fill the spray tank to about two thirds full with clean water and then add the required amount of Crowbar Herbicide. Add the remainder of the water with agitation system engaged. If a wetting agent is required add this last to prevent excessive foaming.

APPLICATION

Aim to apply this product to base of weeds to ensure penetration.

COMPATIBILITY

1. For broadleaf weed control in wheat, barley, triticale and rye, the following compatibilities are indicated. This product may be mixed with the following products without a significant loss of activity: Bromoxynil, Lontrel* (up to 150mL/ha), dimethoate, omethoate and phosmet. This product may be mixed with the following products, but some loss of grass weed control and/or speed of kill should be expected: Bromoxynil + MCPA, Tigrex* (max. 800mL/ha), MCPA LVE (max. 700mL/ha). This product may be mixed with the following products, but some loss of Wild Oat control should be expected: Jaguar* (up to 750mL/ha), Eclipse* (up to 7g/ha).
2. When mixing with broadleaf herbicides and a non-ionic surfactant (1000g/L) at the rate of 250mL per 100L of spray solution. Reductions in grass weed control (as indicated above) can be minimised by using a minimum of 80L of water per hectare by ground and 30L by air, and if Wild Oats are present, use 2.0L Crowbar Herbicide/ha (except barley).
DO NOT use Bromoxynil + MCPA at rates above 1.4L/ha when mixing with Crowbar Herbicide.
3. Allow at least 10 days between any application of Crowbar Herbicide and other herbicides containing 2, 4-D, MCPA, dicamba or other similar sprays, which should preferably follow Crowbar Herbicide.
4. For use in oilseed poppies in Tasmania only: Crowbar Herbicide may be mixed with pesticides as recommended by the Department of Agriculture or the poppy contracting company.
5. Where Phalaris is present, Crowbar Herbicide and Puma* S may be applied together at the respective recommended rates. Wetting agent should be added to this mixture at the rate recommended on the Crowbar Herbicide label.

RESISTANT WEEDS WARNING

Crowbar Herbicide is a member of the aryloxyphenoxypropionate group of herbicides. Crowbar Herbicide is an inhibitor of acetyl coA carboxylase. For weed resistance Crowbar Herbicide is a Group A herbicide. Some naturally-occurring weed biotypes resistant to Crowbar Herbicide and other Group A 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 Crowbar Herbicide or other Group A herbicides.

Since occurrence of resistant weeds is difficult to detect prior to use, Amgrow Pty Ltd accepts no liability for any losses that may result from the failure of Crowbar Herbicide to control resistant weeds.

GROUP	A	HERBICIDE
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EQUIPMENT

Ground Sprayers - Standard boom sprays only are recommended and must be fitted with by-pass-pass or mechanical agitation. It is recommended to use approximately 50 to 150L water/ha and a droplet size of 200 to 300 microns. DO NOT apply with boomless jets or misters.

Aircraft - Best results have been obtained using 20 to 30L water/ha with a steady cross wind and a swath width of 15 to 18 metres. Aim for a droplet size of 200 to 300 microns. DO NOT exaggerate swath width. Aircraft operators should consult manufacturer for details.

PROTECTION OF WILDLIFE, FISH, CRUSTACEANS AND ENVIRONMENT

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

PROTECTION OF CROP, 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, adjacent crops (eg. maize, sorghum, rice) crop lands or pasture. DO NOT plant susceptible crops (eg. maize, sorghum, rice) for 10 weeks after application.

UNDERSOWN CLOVERS AND MEDICS

Crowbar Herbicide does not affect undersown clovers or medics or other broadleaf crops, and has no activity against broadleaf weeds.

STORAGE AND DISPOSAL

Store in the closed, original container in a cool, well-ventilated area. DO NOT store for prolonged periods in direct sunlight. The method of disposal of the container depends on the container type. Read the Storage and Disposal instructions on the label that is attached to the container.

SAFETY DIRECTIONS

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