

AGPRO Cloralid 300

Herbicide

For the control of thistles and certain other broadleaf weeds in fodder brassicas, pasture, forestry, turf and many other crops.

READ THE LABEL COMPLETELY BEFORE MIXING OR APPLYING.

ACTIVE INGREDIENT:

Contains 300 g/litre clopyralid as the amine salt in the form of a soluble concentrate.

ECOTOXIC

DATE OF MANUFACTURE:

NET CONTENTS: 1, 5, 20, 110L

SPECIMEN LABEL

HAZARD CLASSIFICATION

9.1B, 9.2A, 9.3C

APPROVED HANDLER

This product must be under the personal control of an approved handler when:

- a) applied in a wide dispersive manner; or
- b) used by a commercial contractor; or
- c) applied directly onto or into water.

RECORD KEEPING

Records of use, as described in the relevant HSNO regulations and the New Zealand Standard for the Management of Agrichemicals (NZS8409), must be kept if using more than 3L of AGPRO Cloralid 300 Herbicide within 24 hours.

ECOTOXICITY

TOXIC IN THE AQUATIC ENVIRONMENT. DO NOT contaminate an aquatic environment with chemical or empty container. DO NOT spray over or allow drift over, an aquatic environment.

SELECTIVE HERBICIDE - VERY TOXIC TO SOME PLANT SPECIES. Some plants may be damaged or killed by contact with this product. Do not allow drift outside the target area to occur. Decontaminate equipment before use on sensitive plants (see Application Methods section).

HARMFUL TO TERRESTRIAL VERTEBRATES.

HANDLING PRECAUTIONS**EQUIPMENT**

Apply using accurately calibrated and maintained equipment in accordance with the New Zealand Standard for the Management of Agrichemicals (NZS8409).

Flush equipment thoroughly with clean water after use according to Cleaning Spray Equipment instructions below. Dispose of cleaning water according to the disposal instructions below.

STORAGE

Store in the original container tightly closed and in a locked, dry, cool well ventilated area, well away from ignition sources and foodstuffs.

Storage must be generally in accordance with the New Zealand Standard for the Management of Agrichemicals (NZS8409). Stores containing 100L or more of AGPRO Cloralid 300 Herbicide require bunding and are subject to signage. See the Hazardous Substances Emergency Management and Identification Regulations and the New Zealand Standard for the Management of Agrichemicals (NZS 8409) for further information.

When stored appropriately, this product should show no significant degradation for 2 years from the date of manufacture. Contact your supplier for further information about the use of any product that is older than this.

PERSONAL PROTECTION

When mixing or applying wear waterproof gloves, chemical resistant boots and cotton overalls buttoned to the neck and wrist.

DISPOSAL

For non-returnable containers triple rinse the empty container and add rinsate to spray tank. Do not burn empty containers that have not been rinsed. Burn in an appropriate incinerator if circumstances such as wind direction permit. Otherwise crush or puncture and bury in a suitably approved landfill.

Dispose of equipment cleaning water onto ground away from susceptible crops and plants.

Dispose of the product only by using according to the label, or at an approved landfill.

Do NOT dispose of this product; spray mix or equipment cleaning water down drains or sewers.

FIRST AID

If swallowed do not induce vomiting. For advice contact the National Poisons Centre 0800 POISON (0800 764 766) or a doctor immediately. If splashed in eyes, wash out immediately with water. If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water.

NOTICE

Important: You **must** read the warning and conditions given on this label. If they are not acceptable, or if you are in doubt as to the proper handling of this product (including its transport, storage, use, disposal, and requirements for approved handlers [if applicable]) then return the unopened product to the supplier at once.

Warning: This product is subject to controls and could be hazardous if handled incorrectly. The **user is responsible** for ensuring that the handling of this product is in accordance with the law (including the *Hazardous Substances and New Organisms Act 1996* and the *Agricultural Compounds and Veterinary Medicines Act 1997*) and with the directions provided. The Registrant declines all liability (whether in contract, tort (including but not limited to negligence), or otherwise) to the maximum extent permitted by law in relation to the handling of this product in a manner which is contrary to the directions given or to any applicable Acts, Regulations or Guidelines.

Further information regarding the applicable Acts, Regulations and Guidelines for the proper handling of this product may be obtained by contacting ERMA New Zealand (www.ermanz.govt.nz) or the New Zealand Food Safety Authority (NZFSA) (www.nzfsa.govt.nz).

This product is warranted to contain the specified active ingredients within accepted analytical tolerance when packed

Registered to: AGPRO NZ Limited 10 Polaris Place, East Tamaki PO Box 58-963, Greenmount Auckland Telephone 09 273 3456		IN A TRANSPORT EMERGENCY DIAL 111 FOR POLICE OR FIRE
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Shipping Name: ENVIRONMENTALLY HAZARDOUS
SUBSTANCE, LIQUID, N.O.S.
(CLOPYRALID)

UN Number: 3082
Class: 9
Packing Group: III
HAZCHEM 2X

SPECIMEN LABEL

SPILLAGE

Wear appropriate protective clothing to clean up spills. Absorb spills with an inert (such as vermiculite, earth, sand or synthetic absorbent substance) material and place in waste containers. Wash area with water and alkaline detergent then absorb any remaining liquid with further inert material. Dispose of the waste safely in an approved landfill.

SAFETY DATA SHEET

A Safety Data Sheet is available from www.agpro.co.nz

ANIMAL SAFETY

Poisonous plants may become more palatable after spraying. If concerned that stock health may be affected, stock should be kept away from the treated area until plants have died down.

APPLICATION METHODS

AGPRO Cloralid 300 Herbicide can be applied using conventional ground or aircraft spraying equipment. Flush equipment thoroughly with clean water after use. **Decontaminate before using on plants that are sensitive to AGPRO Cloralid 300 Herbicide.** Crops susceptible to AGPRO Cloralid 300 Herbicide include, but are not limited to: clovers, fruit trees, legumes, ornamentals, potatoes, tomatoes, vegetables, and vines.

Aerial spraying: Use 200-400 L/ha water applied as a coarse quality spray as defined by BCPC and ASAE. Apply with a calibrated aircraft using the half overlap opposite pass flying techniques.

Boom spraying: Use up to 300 L/ha water applied as a medium quality spray as defined by the British Crop Protection Council (BCPC) system or the American Society of Agricultural Engineers (S572) (ASAE).

'Carpet' type Weed Wipers: Follow the rotary weed wiper manufacturer's operating instructions to apply the herbicide mix. Ensure the wiper remains saturated while in use. Two passes in opposite directions are recommended. Drain and wash the wiper with water immediately after use.

High Volume Gun Application: Ensure thorough coverage of all weeds using a No.6 tip or similar at 1000-2000 kPa.

Mistblower: Follow the manufacturers instructions and ensure thorough coverage.

Knapsack Applications: When using a knapsack for broadcast application use at least 400 L of spray mix/ha. For spot treatment ensure thorough coverage.

IMPORTANT. In order to select the appropriate nozzles for the required spray quality and to operate the equipment to minimize spray drift, this product must be applied in accordance with the New Zealand Standard for the Management of Agrichemicals (NZS 8409).

Cleaning spray equipment:

Rinsing

After using AGPRO Cloralid 300 Herbicide:

- Empty the spray tank completely and drain the whole system. Thoroughly wash inside the unit using a pressure hose. Drain spray unit and clean any filters in the tank, pump, lines, hoses and nozzles.
- After cleaning the spray unit as above, quarter fill with clean water and circulate the water through the pump, lines, hoses and nozzles. Drain and repeat the rinsing procedure twice.
- Discard rinse water on land already sprayed or on wasteland away from desirable plants and water sources.

Decontamination

Before using equipment with other products or on plants sensitive to AGPRO Cloralid 300 Herbicide:

- Wash the tank and rinse the system as above, then quarter fill the tank and add an alkali detergent (e.g. liquid SURF[®], DRIVE[®], at 500 mL/100L of water or the powder equivalent at 500 g/100L of water) and circulate through the system for at least 15 minutes. Do not use chlorine based cleaners.
- Drain the whole system. Remove filters and nozzles and clean them separately.
- Finally, flush the system with clean water and allow to drain.

MIXING:

AGPRO Cloralid 300 Herbicide mixes readily with water. Pour the measured quantity of AGPRO Cloralid 300 Herbicide into the partly filled spray tank and add the remainder of the water. Mix well during filling.

Tank mixtures: Wettable powder or dry flowable formulations should be added to the spray tank first, followed by suspension concentrates (flowables), aqueous concentrates and then emulsifiable concentrate formulations.

COMPATIBILITY:

AGPRO Cloralid 300 Herbicide is compatible with most commonly used herbicides and cereal fungicides/ insecticides.

RAINFASTNESS

DO NOT spray AGPRO Cloralid 300 Herbicide if rain is likely within 3 hours.

WITHHOLDING PERIODS

No withholding period is required when used as directed.

DIRECTIONS FOR USE:

AGPRO Cloralid 300 Herbicide is selective to a wide range of crops except legumes and compositae (daisy family). It is compatible with most commonly used herbicides. AGPRO Cloralid 300 Herbicide is damaging to clovers. At 100 mL/ha clovers in pasture may be severely suppressed for 2-6 months. Above 100 mL/ha clovers may be removed from the sward.

AMENITY and NON-CROP AREAS:

WEEDS	RATE		COMMENTS	
	BROADCAST L/ha	SPOT SPRAY		
		High Volume mL/100 L	Knapsack mL/10 L	
Clover.	0.7	70	17	Apply to actively growing plants.
Californian thistle.	1	100	25	Apply from rosette to early flower. Retreatment may be required.
Bathurst bur, daisy, dandelion, hawkesbeard, hawkbit, medics, Onehunga weed, oxeye daisy, narrow-leaved plantain, thistles (annual and biennial).	1	100	25	Apply to actively growing plants.
Yarrow.	1	100	25	Apply to actively growing foliage. Matted mature plants may need more than 1 application.
Catsear, fireweed.	1.5	150	35	Apply to actively growing plants.
Ragwort, sow thistle, lotus.	2	200	50	Apply to actively growing rosettes.
Cape daisy.	1-2	200	50	Apply to actively growing rosettes. Use low rate on seedlings.
Hemlock,	Not	100	25	Apply to actively growing plants.
Lupin	Recommended	200	50	
Old mans beard.	12-25	500	125	
Broom, gorse.	Not Recommended	500	125	Apply to actively growing plants Oct-Jan.
CAUTION:				
DO NOT USE ON AMENITY AREAS THAT ARE BEING MOWN. DO NOT ADD TREATED PLANTS TO COMPOST WITHIN 6 MONTHS OF TREATMENT.				

Situation	Rate	Comments
SHELTER AND ORNAMENTAL TREES:	1-2 L/ha	Apply as a directed spray. Use rates as for amenity areas. Shelter trees such as conifers, willows, poplars, <i>Casuarina</i> , <i>Cryptomeria</i> and <i>Eucalyptus</i> are tolerant. Many other trees and shrubs are also tolerant. If tolerance is not known, treat only a few plants to gain experience. Do not apply to legumes or Compositae.

CROPS and PASTURES

Situation	Rate	Comments
<p>ASPARAGUS: (Established beds only).</p> <p>To control Californian thistle, yarrow, clover and thistles.</p> <p>Pre-cutting:</p> <p>During cutting:</p> <p>Post-harvest:</p>	<p>0.5 - 1 L/ha</p> <p>0.5 L/ha</p> <p>0.5 - 1 L/ha</p>	<p>Apply to within 3 days of cutting.</p> <p>Do not cut within 3 days of treatment.</p> <p>Apply over spears.</p> <p>Use directed application if spears are opening or ferns are present.</p> <p>CAUTION: Some damage may occur if treatment is made over open spears or mature fronds.</p>
BEETS: FODDER AND SUGAR BEETS for the control of Californian thistle and yarrow	0.5 - 1 L/ha	Apply after the 2 true leaf stage of the crop and before bulbous root formation. AGPRO Cloralid 300 Herbicide may be mixed with Betanal® AM11 Herbicide.
FIELD BRASSICAS for control of Californian and other thistles and yarrow	0.5 - 1 L/ha	Apply after the 2 true leaf stage of the crop and before it closes over.
<p>CEREALS:</p> <p>For the control of Californian thistle and yarrow</p> <p>For control of volunteer potatoes</p>	<p>0.3 - 1 L/ha</p> <p>1 L/ha</p>	<p>Apply after the 2 true leaf stage of crop and before the 2 node stage.</p> <p>To improve the spectrum of weeds controlled, AGPRO Cloralid 300 Herbicide may be tank mixed with MCPA Herbicide or other cereal herbicides, and should be applied at the timing recommended for these herbicides.</p> <p>CAUTION: Do not use straw from AGPRO Cloralid 300 Herbicide treated crops for compost or mulch.</p> <p>Apply after the 2 true leaf stage of crop and before the 2 node stage. For volunteer potatoes apply after full potato emergence but before tuber formation.</p>

Situation	Rate	Comments
FORESTRY: (Radiata pine)	10 L/ha in mixture with AGPRO Triclopropanol Herbicide at 1 L/ha	Apply to release trees from gorse, broom and wattles. Add AGPRO Organosilicone to improve weed control. See specific instructions for spot spraying in Application Methods above. Temporary light tree damage in the form of distortion may occur particularly where trees are well above competing weeds. To suppress weeds and allow the trees to compete, apply to gorse and broom after flowering and during soft spring growth. Best results are obtained from treating gorse up to 1 metre high. For the control of wattle, best results are achieved from treating actively growing plants less than two metres tall. Good control of <i>Acacia dealbata</i> (silver wattle) and <i>Albizia lophantha</i> (brush wattle) is achieved. <i>Acacia decurrens</i> (green wattle) is not controlled.
	Hand gun: 500 mL/100 L	Apply to full coverage through a No. 6 - 8 tip at 1000-2500 kPa. Add AGPRO Organosilicone to improve weed control.
	Mistblower: 40 mL/L or 200 mL/L (ULV)	For ULV attachment use the No. 3 or 4 hole. Add AGPRO Organosilicone to improve weed control.
MAIZE AND SWEETCORN: For the control of Californian thistle, yarrow and Bathurst bur For control of volunteer potatoes	0.5-1 L/ha 1 L/ha	Apply after the maize or sweetcorn reaches the 3 leaf expanded stage but before crop closure. For volunteer potatoes apply after full potato emergence but before tuber formation.
ORCHARDS: Pipfruit, stonefruit and citrus For control of weeds listed in the amenity non-crop section	See amenity section	Apply in the preflower or early postflower period. Direct spray to minimise contact with trees.
PASTURES Difficult To Control Thistles Californian Thistle	100-200 mL/ha + MCPA or 2,4-D	To enhance the efficacy of the AGPRO 2,4-D or AGPRO MCPA Herbicide against difficult to control thistles add AGPRO Cloralid 300 Herbicide to the normal rate of the mixing partner.
	250ml/10L in a carpet wiper	A double pass will give best results.

CONSERVATION TILLAGE:

AGPRO Cloralid 300 Herbicide controls a range of hard-to-control weeds such as clovers, Californian and other thistles, plantains and yarrow in conservation tillage programmes (minimum tillage or direct drilling).

WEEDS	RATE/HECTARE L/ha	COMMENTS
Clovers, narrow-leaved plantain, thistles.	0.5-0.7	For best results apply to actively growing weeds.
Californian thistle.	1	Apply from rosette to early flower. Retreatment may be required.
Yarrow.	1	Apply to actively growing yarrow, autumn to spring. For best results surface cultivate no less than one week after treatment.

For broad spectrum weed control in conservation tillage programmes, AGPRO Cloralid 300 Herbicide may be mixed with other herbicides such as paraquat or glyphosate. Observe the directions and recommendations stated on the individual labels, when such products are used with AGPRO Cloralid 300 Herbicide in tank mixtures.

CROP ESTABLISHMENT:

Brassicas, cereal and ryegrass crops may be drilled any time after application of AGPRO Cloralid 300 Herbicide.

CAUTION:

Do not plant susceptible crops (clover, peas, beans, potatoes, tomatoes, carrots, cucurbits) within 12 weeks of applying up to 0.5 litres/ha of AGPRO Cloralid 300 Herbicide. Where more than 0.5 L/ha is applied, do not plant susceptible crops within 6 - 12 months of treatment without sowing a small area first to check soil residues.

Registered pursuant to the ACVM Act 1997, No P7608.
See www.nzfsa.govt.nz/acvm for registration conditions.

Approved pursuant to HSNO Act 1996, ERMA Approval Code HSR000761
See www.ermanz.govt.nz for approval controls.