

**WARNING • ECOTOXIC**

KEEP OUT OF REACH OF CHILDREN

Read label before use

# AGPRO<sup>®</sup>

# Trichloram Brushkiller

*Contains 100g/litre picloram as the amine salt plus 300g/litre triclopyr as the butoxyethyl ester in the form of an emulsifiable concentrate.*

Controls blackberry, gorse, lupin, matagouri,  
sweet brier and a range of other brushweeds.

## 20 L

Registered pursuant to the ACVM Act 1997, No. P007634  
See [www.foodsafety.govt.nz](http://www.foodsafety.govt.nz) for registration conditions  
Approved pursuant to HSNO Act 1996, Approval Code HSR000553  
See [www.epa.govt.nz](http://www.epa.govt.nz) for approval controls

LBL247.1F

Registered to and distributed by:  
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# AGPRO



## HAZARD CLASSIFICATION

Flammable Liquid Category 4,  
Acute Oral Toxicity Category 4,  
Acute Inhalation Toxicity Category 4,  
Eye Irritation Category 2,  
Skin Sensitisation Category 1,  
Specific Target Organ Toxicity (Repeated Exposure) Category 2,  
Hazardous to the Aquatic Environment Acute Category 1,  
Hazardous to the Aquatic Environment Chronic Category 1,  
Hazardous to Soil Organisms,  
Hazardous to Terrestrial Vertebrates.

**This product must not be used for any purpose, or in any manner, contrary to this label unless authorised under appropriate legislation.**

## WARNING

### FLAMMABILITY

Combustible liquid. Keep away from sources of ignition.

### TOXICITY

Harmful if swallowed or inhaled. Causes serious eye irritation. May cause an allergic skin reaction. May cause organ damage from repeated or prolonged oral exposure.

**AGPRO Trichloram Brushkiller** also contains the following ingredients that are corrosive: Diethylene glycol monoethyl ether (30-60%).

### ECOTOXICITY

Very toxic to aquatic organisms with long lasting effects. Very toxic to the soil environment. Harmful to terrestrial vertebrates.

## PRECAUTIONS

### QUALIFICATION REQUIREMENTS

Persons mixing, loading, applying or otherwise handling this product must meet qualification requirements set out in the EPA Hazardous Substances (Hazardous Property Controls) Notice 2017.

**Selective herbicide – very toxic to some plant species.** This product must not be applied directly into or onto water. DO NOT use on the bottom of irrigation channels. Avoid contamination of any water supply product or empty container.

**Beware: Spray drift hazard. Apply this product carefully.** Spray drift may cause serious damage to other desirable plants. Take all reasonable steps to ensure that the substance does not cause any significant adverse effects to the environment beyond the application area. Ensure compliance with relevant regional air management plans.

### STORAGE

Store in original container, tightly closed, in a secure, dry, cool and well-ventilated area avoiding flames, hot surfaces and direct sunlight. Do not store with Class 1, 2, 3, 2, 4 or 5 goods, and store away from foodstuffs, fertilisers or seeds. Storage must be in accordance with the current version of NZ Standard for the Management of Agrichemicals (NZS 8409).

Stores containing 100L or more of **AGPRO Trichloram Brushkiller** require secondary containment, signage, and an emergency response plan. Stores containing an aggregate quantity of more than 500L of Flammable Liquids Category 4 products require two fire extinguishers. In case of fire: Use dry chemical, carbon dioxide, water spray, fog or foam for extinction.

Batch No.:

Date of Manufacture:

Expiry Date:

## EQUIPMENT

Apply using appropriate, well maintained and calibrated equipment in accordance with NZS 8409.

## RECORDS OF APPLICATION

If 3kg or more of the substance is applied within 24 hours, in a place where the substance is likely to enter air or water and leave the application area, written records must be kept for three years.

## PERSONAL PROTECTION

Avoid contact with skin and eyes and inhalation of spray mist. When mixing or applying this product, wear cotton overalls, boots, gloves, eye and respiratory protection. Do not eat, drink or smoke while using.

Remove protective clothing and wash hands and face before meals and after work. Wash contaminated clothing before reuse. Contaminated work clothing should not be allowed out of the workplace.

## DISPOSAL

**PRODUCT DISPOSAL:** Dispose of this product only by using according to the label directions or if this is not possible contact your supplier for advice.

**CONTAINER DISPOSAL:** Triple rinse empty container and add rinsate to spray tank. Recycle clean containers at an Agrecovery depot, or puncture and dispose of at an approved landfill. Do not burn. Do not use container for any other purpose.

## FIRST AID

**For advice contact the National Poisons Centre 0800 POISON (0800 764 766) or a doctor.** If medical advice is needed have product container or label to hand.

**IF SWALLOWED:** DO NOT induce vomiting. Rinse mouth. Call the Poisons Centre or doctor if you feel unwell.

**IF IN EYES:** Rinse cautiously for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. If irritation persists, get medical advice/attention.

**IF ON SKIN OR HAIR:** Remove contaminated clothing and wash with plenty of soap and water. If skin irritation or a rash occurs, get medical advice/attention. Wash contaminated clothing before reuse.

**IF INHALED:** Remove to fresh air and keep at rest in a position comfortable for breathing. Call the Poisons Centre or a doctor if you feel unwell. Apply artificial respiration if not breathing.

## EMERGENCY RESPONSE

In a transport emergency call 111, Police or Fire Brigade.

For specialist advice in a chemical emergency call 0800 CHEMCALL (0800 243 622).

## SHELF LIFE

When stored appropriately, this product should show no significant degradation for 12 months from the date of manufacture. Contact your supplier for further information about the use of any product that is older than this.

## SPILLAGE

Exclude non-essential people from the area. Wear protective clothing and prevent chemical from entering waterways and coming into contact with Class 1, 2, 3, 2, 4, 5 or 5 substances. Turn off sources of ignition. Absorb liquid spills with inert material such as attapulgite, soil, etc., and place in a sealable and labelled waste container. Wash area with water and absorb with further inert material. Dispose of safely at an approved landfill.

## TRANSPORT

Do not carry on a passenger service vehicle.

## SAFETY DATA SHEET

Additional information is provided in the Safety Data Sheet.  
Phone 09 273 3456 or visit [www.agpro.co.nz](http://www.agpro.co.nz) for a copy.

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PEEL HERE

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## GENERAL INSTRUCTIONS

**AGPRO Trichloram Brushkiller** is a selective systemic herbicide for the control of blackberry, gorse, lupin, matagouri, sweet brier and a range of other brushweeds. The active ingredients in **AGPRO Trichloram Brushkiller** are rapidly absorbed by the roots and leaves of plants, are then translocated and accumulate in new growth of susceptible plants. **For best results plants must be actively growing when treated.**

## ANIMAL SAFETY

Poisonous plants (e.g. including but not limited to inkweed, ragwort and tutu) may become more palatable after spraying. If concerned that stock health may be affected, stock should be kept away from the area until the plants have died down.

**It is an offence for users of this product to cause residues exceeding the relevant MRL in the Food Notice: Maximum Residue Levels for Agricultural Compounds.**

## WITHHOLDING PERIODS

Other than for animal safety reasons or re-establishment of clovers a withholding period of one day is required in line with good agricultural practice.

## RESISTANT WEEDS WARNING

### GROUP 04 HERBICIDE

**AGPRO Trichloram Brushkiller** contains both a pyridine carboxylate and a pyridyloxy-carboxylate herbicide. These herbicides work as synthetic auxin mimics that interfere with cell division and elongation, accumulating in new growth. Naturally occurring resistant biotypes are known to exist and can become more prevalent after many years of continuous or excessive use of this group of herbicides. To prevent or delay resistance use **AGPRO Trichloram Brushkiller** in tank mixes as appropriate, and/or in rotations with herbicides that have a different mode of action. Refer to [www.resistance.nzpps.org](http://www.resistance.nzpps.org) for further resistance management advice.

## APPLICATION METHODS

**AGPRO Trichloram Brushkiller** 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 Trichloram Brushkiller.** Crops susceptible to **AGPRO Trichloram Brushkiller** include, but are not limited to: beans, clovers, lucerne, lupins, peas and other legumes; flowers, fruit trees, hops, ornamentals, shade trees, potatoes, sunflowers, tomatoes, vegetables and vines.

## DIRECTIONS FOR USE

### MIXING

Pour the measured quantity of chemical into a partly filled spray tank. Add the remainder of the water with the agitator running. Maintain agitation during spraying. Only mix sufficient spray solution for immediate use and avoid storing the spray solution.

### Cleaning spray equipment

Rinsing:

After using **AGPRO Trichloram Brushkiller**:

- Empty the spray tank completely and drain the whole system. Thoroughly wash inside the unit using a pressure hose. Drain the 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 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 applying to sensitive crops with equipment that has been used to apply **AGPRO Trichloram Brushkiller**:

- Wash the tank and rinse the system as above. Then quarter fill the tank and add a standard alkali based laundry detergent at 500g (or mL)/100L water and circulate throughout the system for at least 15 minutes. If using a

concentrated laundry detergent use 250g (or mL)/100L water. 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.

**Handgun:** Apply the recommended mix to give full coverage of leaves and stems and from all directions. Use a No. 6-8 tip. Do not use gun spraying pressures less than 1000kPa or greater than 2000kPa.

**Aerial application:** Use 200-400 litres water per hectare using a coarse quality spray. Apply with a calibrated aircraft using half overlap-opposite pass technique. Aerial applications may require some follow up ground treatment.

**Knapsack:** Apply the recommended mix to give full coverage of leaves and stems.

**Mistblower:** Use only where the bush size enables good coverage of the entire bush. Use a marker dye, to check spray coverage.

## COMPATIBILITY

**AGPRO Trichloram Brushkiller** is compatible with most commonly used pasture herbicides.

## CLOVER RE-ESTABLISHMENT

Picloram, an active ingredient in **AGPRO Trichloram Brushkiller** is injurious to legumes and residues in the soil may prevent early re-establishment after treatment. The period that the residue persists in the soil will vary according to site conditions such as climate, soil and the rate used. It is suggested that small areas should be oversown with clover 1-2 months prior to the planned sowing time to check for possible harmful residues.

## APPLICATION RATES

**AGPRO Trichloram Brushkiller** controls a range of woody and semi-woody weeds.

WEED	GUN mL/100L	AERIAL L/ha	COMMENTS
Blackberry	500 - 650	10	Apply during summer and autumn when bushes are in active growth. Use high rates for control of hard grazed and lower growing types found on the East Coast of the North Island and Northland. Some Northland areas may contain difficult-to-kill species. Variable results may occur if these species are present.
Broom	250	10	Spray from early spring until summer while leaf is present. Hard grazed or scattered bushes should not be treated from the air. Best results are achieved from treating bushes less than 3 metres high and with stems less than 3cm in diameter.
Gorse	250	10	<b>Ground application:</b> Apply during the active growth period from spring to early summer. During periods of slow growth or when dormant or stressed e.g. in hot, dry, dusty, frosty or salty conditions or when the plants have been slashed or grazed, the addition of <b>AGPRO Organosilicone</b> at 100mL/100 litres is recommended. Follow-up treatment may be required to obtain complete control. <b>Aerial application:</b> Apply during active growth. Add <b>AGPRO Organosilicone</b> at 2 litres/ha to the spray mix. Hard grazed or scattered bushes should not be treated from the air. Best results are obtained from treating bushes less than 3m high and with stems less than 3cm in diameter.
Gorse (North Canterbury)	300	10	<b>Ground application:</b> Treat as above with the addition of <b>AGPRO Organosilicone</b> at 100mL/100 litres. <b>Aerial application:</b> Treat as above.

WEED	GUN mL/100L	AERIAL L/ha	COMMENTS
Lupin	100	2	Apply during active growth from spring until late summer.
Matagouri	500	12	Apply when in full flower usually November to December. Best results are achieved if good moist spring growing conditions occur prior to spraying. Control may be reduced under dry conditions or if lichen is growing on the bark.
Sweet Brier	300 - 500	12	For best results apply from expanded leaf emergence to green hip, usually from November to early January. For ground application, thorough wetting of the crown is recommended. Results from aerial application are enhanced by treating bushes less than 2 metres high.
Tutu	300	10	Apply to fresh regrowth and after frond expansion.
Woolly nightshade	250	10	Apply during the active growth period. The addition of <b>AGPRO Organosilicone</b> is recommended at 100mL/100 litres for ground application and 2 litres/ha for aerial application.

STUMP SWABBING:	
Barberry, old man's beard, hawthorn, woolly nightshade, wattle, willow and other brushweeds.	Mix 1 part <b>AGPRO Trichloram Brushkiller</b> with 20 parts of water or diesel and using a paintbrush or knapsack liberally coat freshly cut surface and stems down to ground level. If using diesel, agitate while filling and during use.

**Knapsack:** For all weeds use 6mL **AGPRO Trichloram Brushkiller** per litre of water.

**Mist Blower:** For all weeds use 100mL/10L tank. For ULV attachments use 500mL per 10L tank.

**Stem Cut and Inject:** Make two shallow cuts into opposite sides of the trunk at waist height or below the lowest branch. Using a syringe gun or similar, inject 1.5mL **AGPRO Trichloram Brushkiller** into each cut. If the stem is greater than 15cm make four cuts at equal distances around stem. Best results will occur when trees are in active growth.

FORESTRY: RADIATA PINE AERIAL RELEASE SPRAYING		
WEEDS	RATE L/ha	COMMENTS
Broom, buddleia, gorse, Himalayan honeysuckle, lupin, tutus, wattles.	1 - 2	Use the low rate if young pine trees are not dormant. Apply the high rate only to dormant trees and within one year of planting. Some minor tree distortion may occur. Suppression only of the weeds is achieved. Follow-up treatment may be necessary to obtain complete control. Consult your AGPRO representative before proceeding.

### CONDITIONS OF SUPPLY

As the use of this product is beyond the control of the AGPRO (N. Z.) Ltd, no warranty expressed or implied, beyond that cover under the Fair Trading Act is given by AGPRO (N. Z.) Ltd regarding its suitability, fitness or efficiency for any purpose for which it is used by the user, whether in accordance with the directions or not. AGPRO (N. Z.) Ltd accepts no responsibility for any consequence whatsoever resulting from the use of this product.

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