WARNING
KEEP OUT OF REACH OF CHILDREN
ECOTOXIC

Topick Brushkiller

HERBICIDE

ACTIVE INGREDIENT:
100 g/litre picloram as the amine salt and 300 g/litre triclopyr as the butoxyethyl ester in the form of an emulsifiable concentrate.

For the control of gorse, broom, blackberry and other brushweeds, and for the spot treatment of many broadleaf weeds including ragwort, thistles and docks. Also effective for release spraying in radiata pine, and broadleaf weed control in turf.

Registered pursuant to the ACVM Act 1997, No. P10430
See www.foodsafety.govt.nz for registration conditions.
Approved under the HSNO Act 1996, HSR000553
See www.epa.govt.nz for approval controls.

IN A TRANSPORT EMERGENCY CALL 111, POLICE
IN A FIRE, EVACUATE AND CALL 111 FIRE BRIGADE.

AgSta®



READ THE LABEL COMPLETELY BEFORE OPENING

GENERAL INFORMATION

Topick Brushkiller is a broadleaf herbicide for control of a range of woody and semi-woody brushweeds.
Note: Topick Brushkiller is damaging to legumes, including clovers. Residues in the soil may prevent early re-establishment following treatment.
Rainfall within 3 hours following treatment may reduce effectiveness.

DIRECTIONS FOR USE

APPLICATION METHODS

Hand Gun: Refer to table. Ensure full coverage of leaves and stems. Use a No. 6 – 8 tip, and pressures 1000 – 2000 kPa.
Aerial: Refer to table. Use in 200 – 400 litres of water per hectare using the half overlap – opposite pass technique. Follow up ground treatment may be required.
Knapsack: Use 6 mL of **Topick Brushkiller** per litre of water. Ensure full coverage of leaves and stems.
Mistblower: Use 100 mL of **Topick Brushkiller** per 10 litres of water. For ULV applications, use 500 mL per 10 litres of water. Ensure full coverage of leaves and stems.
Stump Swabbing: Mix 1 part **Topick Brushkiller** to 20 parts water or diesel. Liberally coat the freshly cut surfaces and stems to ground level.
Stem cut / injection: To control woolly nightshade.
Treat when trees are actively growing. For stem diameters less than 15 cm, make two shallow hatchet cuts on opposite sides of the trunk at waist height, or below the first branch. For stems over 15 cm diameter, make four equally spaced cuts around the trunk. Use a syringe to inject 1.5 mL **Topick Brushkiller** into each cut.

MIXING

Mix the required quantity in the spray tank partly filled with water, and maintain agitation through filling and spraying. Where water with a high pH or water containing calcium salts cannot be avoided, the addition of a buffering agent to eliminate hard water and neutralise pH (4.5-5.5) and to avoid chemical incompatibility.

COMPATIBILITY

Topick Brushkiller is compatible with most commonly used herbicides.

DRIFT

The addition of a suitable drift control agent such as a vegetable oil-based product to reduce spray drift onto non-target species.

BRUSHWEEDS:

Weed Type	Dosage Rate (Hand Gun) mL/100 litres of water	Dosage Rate (Aerial) litre/Ha	Critical Comments
Blackberry	500 - 650	10	Spray on active growth in summer to early autumn. Use higher rates for low growing and hard grazed plants in Northland and the North Island East Coast. Some Northland areas may contain difficult to kill species.
Broom	250	10	Spray in spring to early summer when leaves are present. Control is optimum on smaller bushes less than 3 metres high, with stems less than 3 cm diameter. Hard grazed or scattered bush should be ground sprayed.
Gorse	250	10	Ground: Apply during the active growth period from spring to early summer. During periods when plants are dormant, or growth is slow, eg, under hot, dry, cold or dusty conditions, or when plants have been grazed or slashed, apply with a penetrant/surfactant such as ADDME at recommended label rates to the spray mix. Follow up treatment may be necessary for complete control. Aerial: Apply during active growth. To minimise variability add a penetrant/surfactant such as ADDME at recommended label rates. Control is optimal on smaller bushes less than 3 metres high, with stems less than 3cm diameter. Hard grazed or scattered bush should be ground sprayed.
Gorse (North	300	10	Ground: Apply with a penetrant/surfactant such as ADDME at recommended label rates to the spray mix. Follow up

Canterbury)			treatment may Be necessary for complete control. Aerial: As for Gorse above.
Lupin	100	2	
Matagouri	500	12	For optimum results, apply in November / December under moist growing conditions and when in full flower. Control may be reduced in dry conditions or where lichen is present on bark.
Sweet Brier	300-500	12	Best results are achieved in November to early January during leaf emergence to green hip stage. Ground: Thoroughly wet the crown Aerial: Best results are achieved on bushes less than 2m high.
Tutu	300	10	Apply to fresh regrowth when fronds have expanded.
Woolly Nightshade	250	10	Apply during active growth. For optimal results add a penetrant/surfactant such as ADDME at recommended label rates to the spray mix.
Other Weeds	250		e.g., Fennel, Inkweed, Nettle, Ragwort, Thistles, etc.

FORESTRY- Radiata pine aerial release spraying:

Weed	Dosage Rate (Aerial) L/ha	Critical Comments
Broom, Buddleja, Gorse, Himalayan honeysuckle, Lupin, Thistles, Tutu, Wattles	1-2	Only use the high rate on dormant trees, and within one year of planting. Brushweeds will only be suppressed, and follow up treatment may be necessary. Some minor twisting of the pines may occur.

PASTURE (GRASS/CLOVER) WEEDS:

Spot Application

WEEDS	Knapsack or Battery Powered Motorbike Sprayers	High Volume gun and hose*	COMMENTS
	mL/10 litres	mL/100 litres	
Ragwort and thistles (except Californian thistles)	60	200	Rosette and multi-crowned plants
		250	Early flowering plants.
Fennel, goat's rue, hemlock, horehound, inkweed, nettles	60	250	Apply during active growth from full leaf to early flowering. Woolly mullein – add ADDME to improve wetting. Californian thistle – retreatment may be required.
Alligator weed, field bindweed, Californian thistle, Cape weed, docks, sorre	**60**	**300**	

***For low growing plants eg ragwort, thistles etc, use a handgun with a No. 4 tip at 500 kPa. For larger semi-woody type plants eg inkweed, fennel, use a handgun with a No. 4 tip at 1000-2000 kPa.**

Broadcast Application

WEEDS	L/Ha	COMMENTS
Ragwort and thistles Californian thistle Cape weed	2	Apply to heavy infestations only. Best results are achieved from application prior to flowering. Retreatment of Californian thistle may be required.
IN TREATED AREAS LEGUMES SUCH AS CLOVERS AND LUCERNE WILL BE SEVERELY AFFECTED.		

Carpet Type Weedwiper:

For control of ragwort and Californian thistle, dilute 1 part Topick Brushkiller with 40 parts water (1:40). Ensure the wiper remains saturated while in use. Two passes in opposite directions are recommended. Californian thistle may require retreatment. Drain and wash the wiper immediately after use.

GRASS TURF:

To control creeping oxalis, dandelion, hydrocotyle, Onehunga weed and other broadleaf weeds on sports grounds and recreational areas. Use 2 litres/ha. Do not use clippings from treated areas for six months after treatment.

WITHHOLDING PERIODS

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.

A withholding period is not required when used as directed.
Poisonous plants may become more palatable to livestock after spraying. Livestock should be kept out until plants have died down.

RESISTANCE MANAGEMENT

GROUP	4	HERBICIDE

Topick Brushkiller is a pyridine carboxylic-acid herbicide (Group 4). Some naturally occurring weeds may become resistant when excessive use of the same herbicide occurs. To maximise the effectiveness of herbicides, products containing alternate modes of action should be used in the spray program. Consult http://resistance.nzpps.org for alternative modes of action and details of resistance management strategies (if any) for the crops listed on the label.

CONDITIONS OF SUPPLY
READ THESE CONDITIONS OF SUPPLY BEFORE BUYING AND USING.
IF THESE CONDITIONS ARE UNACCEPTABLE, RETURN AT ONCE UNOPENED.

This formulation is warranted to contain the specified active ingredient within accepted analytical tolerance when packed. The user bears the risk for damage resulting from factors beyond the manufacturer or registrants control. The manufacturer and registrant decline all liability for damage resulting from improper storage or use of the product.



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