



orion AGRISCIENCE



ECOTOXIC
NOT FOR USE ON TURF

ElementTM

HERBICIDE

A selective herbicide for the control of certain broadleaf weeds in FODDER BRASSICAS and RADIATA PINE.

Active Ingredient:

150 g/litre picloram and 225 g/litre clopyralid as the monoethanolamine salt in the form of a soluble concentrate.



5 Litres



PLEASE READ THE LABEL COMPLETELY BEFORE USE

HAZARD CLASSIFICATIONS: 6.4A, 9.1A, 9.2A, 9.3C

WARNING: ECOTOXIC

Harmful. May cause eye irritation. Very toxic to aquatic organisms and to some plant species. Harmful to terrestrial vertebrates. Treated vegetation shall not be disposed of at any green waste recycling centre.

PRECAUTIONS

APPROVED HANDLER: This product must only be sold to and used by an approved handler.

STORAGE: Keep out of reach of children. Store in the original, tightly closed container, in a secure place. Storage of certain quantities of this product trigger specific storage requirements (Refer to Safety Note). When stored appropriately this product should show no significant degradation for two years from the date of manufacture. Contact your supplier for further information about the use of product that is older than this.

PERSONAL PROTECTION: Avoid contact with eyes and skin. Avoid inhalation of spray mist. When mixing or applying, wear overalls, boots, gloves, and eye protection. Clean protective clothing daily after work. Do not eat, drink or smoke while using. Remove protective clothing and wash hands and face thoroughly before meals and after work.

USE: Apply with well maintained and calibrated spray equipment.

DISPOSAL: Dispose of this product only by using in accordance with this label, or at a suitable landfill. Triple rinse container and add rinse to the spray tank. Dispose of container to a suitable landfill or agricultural recycling scheme. Do not burn. Do not use container for any other purpose.

ENVIRONMENTAL: Use this product carefully. Do not contaminate aquatic environments with product, spray drift or empty container. Spray drift or equipment contamination may cause serious damage to desirable plants. Do not allow spray drift outside the target area to occur.

First Aid

If swallowed do not induce vomiting. If splashed in eyes, wash out immediately with running water for several minutes. If skin or hair contact occurs, remove contaminated clothing and wash with soap and running water. If inhaled, immediately move to fresh air and rest. Maintain half upright position if breathing is difficult. Call the National Poisons Centre **0800 POISON (0800 764 766)** (24 hrs) or a doctor immediately for advice.

Batch No:

Date of manufacture:

ELEMENT

Emergency Response

In a transport emergency call **111, Police or Fire Brigade**. For specialist advice in an emergency only, call **0800 CHEMCALL (0800 243 6225)** (24 hrs).

Spillage

Exclude non-essential people from the area. Wear protective clothing and prevent material from entering waterways. Absorb spill with inert material such as soil, sand, etc, and place in a waste container. Wash area with water, and absorb with further inert material. Dispose of safely to a suitable landfill.

Safety Data Sheet

Additional information is provided in the safety data sheet. Freephone **0800 ORIONAS (0800 674 6627)** or visit www.orionagriscience.co.nz.

WARRANTY

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's control. The manufacturer declines all liability for damage resulting from improper storage or use of the product.

Registered pursuant to the ACVM Act 1997, No. P8602

See www.foodsafety.govt.nz for registration conditions.

Approved pursuant to the HSN0 Act 1996, No. HSR000762

See www.epa.govt.nz for approval conditions.

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Registrant: Agsin Pte Ltd, Zagro Global Hub, 5 Woodlands Terrace, Singapore 738430

Distributor: Orion AgriScience Ltd, Unit 1, 15 Sir Gil Simpson Drive, Harewood, Christchurch 8053.
www.orionagriscience.co.nz.

AGRISCIENCE

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DIRECTIONS FOR USE

Beware: Apply this product carefully. Thoroughly decontaminate equipment after use. Spray drift or equipment contamination may cause serious damage to desirable plants. For aerial application, to minimise damage to susceptible vegetation within 500 metres, use low drift nozzles which minimise the production of small droplets (100 microns). Preferably spray in a constant light breeze that is away from sensitive crops.

Crop	Weeds Controlled	Rate	Critical Comments
Fodder Brassicas	Black nightshade, fathen, redroot (suppression only), thornapple	350 mL/ ha + 500 mL/100L Synoil™	Apply to actively growing 2 – 8 true leaf seedlings. The timing of the application is determined by the growth stage and activity of the weeds rather than the crop.
Radiata Pine	Broom, gorse Fireweed, fleabane, foxglove, ragwort, tree lucerne, wattles, woolly nightshade Thistles	2 – 2.5 L/ ha + 500 mL/ha Silmaxx™ 2 L/ha 1 L/ha	For maximum suppression, apply during the period of soft active growth when there is good soil moisture. For broom and gorse, apply when between 10 – 50 cm high. Application outside this size may result in reduced suppression. For effective weed suppression, do NOT apply beyond the end of February in the growth season. In some situations, retreatment the following season may be beneficial. New growth from stumps or coppicing may not be suppressed. Twisting of needles or stems may occur. This is transient and will have no long term effect on the tree.



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APPLICATION METHODS

Element can be applied with conventional spraying equipment.

Boom spraying: Apply in 100 – 300 litres water/ha.

Aerial spraying (Radiata pine only): Apply in a minimum of 150 litres water/ha using the half overlap – opposite pass technique.

Spot spraying (Radiata pine only): Use 200 mL / 10 L and apply 10 mL per square metre over the tree. Do **NOT** use with Silmaxx. Use pressure of 1000 – 2000 kPa through a No. 6 – 8 tip, and apply to give full coverage.

MIXING

Pour the correct amount into the partly filled tank and add the remainder of the water while agitating. Where a spraying oil or penetrant is added, add this last to minimise foaming. Agitate thoroughly before and during spraying and before spraying after a stoppage.

COMPATIBILITY

Element is compatible with other forestry herbicides such as Hurricane®, Assett™ and Release® KT. When mixing with other herbicides, do **NOT** add Silmaxx.

SOIL RESIDUES

Do **NOT** plant beans, cucurbits, lucerne, peas, potatoes, tomatoes, or other crops susceptible to picloram residues for at least 1 year after spraying. In situations of low rainfall or in heavy, poor draining soils, susceptible crops should **NOT** be planted for at least 2 years. For clovers, allow at least 6 months before planting, and deep plough and surface cultivate before sowing to minimise residues. Cereal crops may be drilled anytime after application. Avoid multiple applications as this can result in residue build up. For advice, contact your Orion Agriscience field representative.

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.

Other than for animal safety or crop rotation purposes, a withholding period is not required when used as directed. Poisonous plants, e.g. ragwort, may become more palatable after spraying, and livestock should be kept out until plants have died down.

RESISTANCE MANAGEMENT

GROUP	03	HERBICIDE
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Element contains the active ingredients picloram and clopyralid, both of which belong to the pyridine carboxylic acid chemical family. Some naturally occurring weeds may become resistant when excessive use of the same herbicide occurs. To prevent or delay the development of resistance, use in tank mixes and/or rotate use with herbicides with a different mode of action. Consult <http://resistance.nzpps.org/index.php> for alternative modes of action and details of resistance management strategies (if any) for the crops listed on the label.

