

orion AGRISCIENCE

WARNING

KEEP OUT OF REACH OF CHILDREN



SimatopTM

HERBICIDE

For selective pre-emergent weed control
in LUCERNE, ORCHARDS, VINEYARDS,
FORESTRY and certain HORTICULTURAL
CROPS and control of barley grass

Active Ingredient:

500g/litre simazine in the form of a suspension concentrate



9 421029 980080

5 Litres

PLEASE READ THE LABEL COMPLETELY BEFORE USE**HAZARD CLASSIFICATION:**

Skin irritation Category 2, Eye irritation Category 2, Specific target organ toxicity (repeated exposure) Category 2, Hazardous to soil organisms, Hazardous to the aquatic environment acute Category 1, Hazardous to the aquatic environment chronic Category 1

WARNING: ECOTOXIC

Causes skin irritation. Causes serious eye irritation. May cause damage to organs through prolonged or repeated exposure. Very toxic to aquatic life with long lasting effects. Very toxic to the soil environment.

PRECAUTIONS**HANDLING REQUIREMENTS**

This product must only be handled, mixed and applied by a suitably qualified person as defined under the HPC notice 2017 Part 4C. Records of use as described in NZS 8409 Management of Agrichemicals must be kept if 3 L or more is applied within 24 hours and likely to leave the application area.

STORAGE:

Keep out of reach of children. Store in the original, tightly closed container, in a cool, dry, well ventilated and secure place. Avoid temperatures below -5°C and above 35°C. 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.

DISPOSAL:

Dispose of this product only by using in accordance with this label, or at a suitable landfill. Triple rinse container and add rinsate 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. Take all reasonable steps to ensure that this product does not cause any significant adverse effects to the environment beyond the application area. Do not apply directly into or onto water. Collect spillage. 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 medical advice is needed, have the product container or label at hand. 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. Call the National Poisons Centre **0800 POISON (0800 764 766)** (24 hrs) or a doctor immediately for advice.

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. P3002

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

Approved pursuant to the HSNO Act 1996, No. HSR000466

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

*PQ200 and SIMATOP are Trade Marks of Orion AgriScience Ltd.

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www.orionagriscience.co.nz

Batch No:

Date of manufacture:

SIMATOP



PLEASE READ THE LABEL COMPLETELY BEFORE USE

GENERAL INFORMATION

Simatop is a selective pre-emergence herbicide which will control a wide range of annual grasses and broadleaf weeds in a number of horticultural crops, orchards and forestry. It is recommended also as a mixture with paraquat for selective weed control in established lucerne and for non-selective control of barley grass.

Simatop is only taken up by the roots, and not the leaves, of germinating annual broadleaf weeds, and therefore application must be made either to freshly cultivated soil or bare ground free of trash. Where weeds have already established in orchard and vineyard situations, the addition of either paraquat, diquat or glyphosate should be made according to the appropriate approved product label recommendations.

Note: When using these mixtures for weed control where young fruit trees or vines have not yet developed brown bark, the spray must be shielded to prevent contact with immature green bark or damage will occur.

DIRECTIONS FOR USE

Apply with well-maintained and calibrated spray equipment.

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.

RATES AND TIMING OF APPLICATION

ESTABLISHED LUCERNE

Situation: For the control of seedling storksbill, daisies, chickweed, barley grass and other broadleaf and grass weeds.

Rate: 1.5 - 2 litres in a mixture with 2 - 3 litres of paraquat 20% a.i. eg, PQ200™, in 200 - 300 litres of water per hectare.

Time of Application: Apply to closely grazed Lucerne stands during the winter months when the Lucerne is dormant and the plants have developed a crown. Do not apply when frost is still on the foliage or when ground conditions are excessively wet. Do not spray immediately following heavy grazing – allow a few days for weed growth to freshen up.

HORTICULTURAL CROPS

Established Crop	Rates per Hectare	Critical Comments
Asparagus	4 litres	Apply to freshly cultivated soil prior to spear emergence. Do not apply during the cutting season.
Berry fruit	4 litres	Apply during dormant period.
Broad Beans	2 litres	Apply immediately after sowing. Do not use on small seeded varieties such as Coles Early Dwarf growing on light soils.
Citrus	4 litres	Apply around established trees only.
Grapes	4 litres	Apply around established trees only.
Pip fruit	4 litres	Apply around established trees only.
Strawberries	3 litres	Apply to weed free inter-rows. If crop is not planted through black polythene, check varietal tolerance before overspraying.

Volume of application: Apply in 250 - 300 litres of water per sprayed hectare.

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FORESTRY - Radiata Pine

Situation: For the control of grass weeds.

Rate: 6.5 litres in a mixture with 6 litres paraquat 20% a.i. eg, PQ200, in 300 - 400 litres water per hectare as a pre- planting application.

Timing: Apply to a strip 1 metre wide along proposed planting lines. Application may be made at any time up to 1 week prior to planting. It is advisable to delay planting for 2 - 3 days after spraying so that planting lines will be clearly visible. Best results will be obtained when grasses are well grazed down before application.

BARLEY GRASS - Non selective

Situation: For the control of barley grass in stockyards, stock camps, fence lines, around farm buildings, drain verges and particularly fence lines bordering grass or clover seed crops, hay paddocks and other crop paddocks.

Rate: For spot spraying, use 160ml with 300ml of paraquat 20% a.i. eg, PQ200, per 100 litres of water applied as a gun application.

Timing: Apply to barley grass at the early green seed head stage. Ensure complete wetting of plants. Follow up treatment of any seedling regrowth should be undertaken during the following winter period. The Simatop plus paraquat mixture is not recommended for selective control of barley grass in pastures.

APPLICATION METHODS

Simatop is non-corrosive and almost non-abrasive. Simatop can be applied with conventional spraying equipment. Do not use strainers finer than 300 micrometres. Wash equipment thoroughly after use.

MIXING

Simatop mixes readily with water. Pour the correct quantity into the partly filled tank then add the remaining water while agitating. The spray mixture should be kept agitated before and during spraying and before spraying after a stoppage.

Note: When using mixtures of Simatop and paraquat add the Simatop to the partly filled tank first, mix thoroughly, then add the paraquat and the remainder of the water with agitation.

SOIL CONDITIONS/RAINFALL

Apply to moist soil for best results. Do not use on dry soils unless adequate irrigation or rainfall immediately follows application.

SOIL RESIDUES

Because residues resulting from the use of the product could adversely affect certain susceptible crops, for example tomatoes, cucurbits, dwarf beans, lettuce and beetroot, do not plant crops other than those recommended for treatment on this label without first obtaining advice from an Orion AgriScience representative or distributor. To minimise soil residue effects, areas treated with Simatop should be ploughed and thoroughly cultivated before sowing any following crops. Even after ploughing certain crops may still be susceptible to Simatop residues.

RESISTANCE MANAGEMENT

GROUP	5	HERBICIDE
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Simatop contains simazine, a group 5 herbicide belonging to the triazine 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.