

**orion** AGRISCIENCE

**WARNING**

KEEP OUT OF REACH OF CHILDREN



# Progard<sup>®</sup>

## HERBICIDE

A selective herbicide for the control of annual  
poa and broadleaf weeds in POTATOES,  
CARROTS, PARSNIPS, ONIONS and PEAS

**Active Ingredient:**

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



9 421029 980011

**5 Litres**

140 x 140mm (WxH)

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

**Skin sensitisation Category 1, 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: TOXIC, ECOTOXIC**

May cause an allergic skin reaction. May cause damage to organs through prolonged or repeated exposures. Very toxic to aquatic life. Very toxic to aquatic life with long lasting effects. Very toxic to the soil environment.

**PRECAUTIONS****HANDLING REQUIREMENT**

This product must only be handled, mixed and applied by a suitably qualified person, as define under the HPC notice 2017 Part 4C. when being applied into or onto water and the water has the potential to leave the place containing the application area.

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 and well ventilated area away from feed or foodstuffs. 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. Do not burn. Triple rinse container and add rinsate to the spray tank. Dispose of container to a suitable landfill or agricultural recycling scheme. 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. 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. Collect spillage.

**FIRST AID**

If medical advice is needed, have 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. 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.

**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. P4185

See [www.foodsafety.govt.nz](http://www.foodsafety.govt.nz) for registration conditions.

Approved pursuant to the HSN0 Act 1996, No. HSR000557

See [www.epa.govt.nz](http://www.epa.govt.nz) for approval controls.

®PROGARD is a registered Trade Mark of Orion AgriScience Ltd.

**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

**0800 674 6627**

**www.orionagriscience.co.nz**



Batch No:

Date of manufacture:

PROGARD

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### GENERAL INFORMATION

Progard is a selective pre and post-emergent herbicide providing a quick knockdown with short-term residual activity on a wide range of broadleaf weeds and annual poa. Progard gives best results when applied to small actively growing weeds in moist soil, free from clods.

**Weeds Controlled:** annual poa, chickweed, cornbind, fumitory, mayweeds\*, speedwells\*, spurrey, twin cress\*, wild turnip, willow weed and wireweed\*.

\*These weeds may not be fully controlled at low use rates.

**Ingredients:** Progard contains 500 g/L of prometryn as the active ingredient, and up to 1.1 g/L of 1,2-benzisothiazol-3(2H)-one as a preservative.

### 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

Use the lower rates when the weeds are small and growing actively in moist soil or when treating tender crops. Progard will not be as effective when applied to weeds in a hardened growth condition.

**POTATOES:** 2 litres per hectare in 200 - 300 litres of water to moulded potatoes when the crop is just emerging but while the weeds are still small. The use of two nozzles per row will give improved coverage.

**CARROTS AND PARSNIPS:** 2 litres per hectare in 200 - 300 litres water, when the crop has at least two true leaves while the weeds are still small.

**ONIONS:** 650 - 750 ml in 350 - 450 litres water per hectare when the onions have developed at least two true leaves. Further applications of 750 ml - 1 litre in 200 - 450 litres of water per hectare can be made if further weed germinations

SEE INSIDE FOR TABLE →

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occur. The use of a pre-emergence herbicide will be necessary when the onion germination is likely to be slow or prolonged.

**NOTE:** Do **NOT** spray within one week of fungicide or insecticide sprays, as selectivity may be affected.

**PEAS (Process, Garden and Partridge):** 1 litre per hectare in 200 - 300 litres of water when the crop is 5 – 8 cm high (3 - 5 nodes). Apply to disease-free peas growing actively in moist soil. Do not treat peas more than 10 cm in height. After heavy rain, allow 2 days of drying conditions before spraying. Avoid excessive overlapping.

**NOTE:** As peas are a tender crop which depends on the waxy leaf surface for selectivity, use the crystal violet dye retention test to confirm the presence of sufficient leaf wax before spray application.

**CAUTION:** To avoid crop damage or unsatisfactory weed control, observe directions for use on peas carefully and do not exceed the recommended rate of application.

**VOLUME OF APPLICATION:** As the waxy leaf of onions and peas is the means of selectivity, use the higher water rates with large spray droplets during warm dry conditions to improve selectivity. Avoid misting and do not add surfactant as this may increase the risk of crop damage.

### APPLICATION METHODS

Progard can be applied with conventional ground spraying equipment. Do not use strainers finer than 300 micrometres. Flush equipment with clean water after use.

### MIXING

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

## COMPATIBILITY

Progard contains surface-active agents, and the addition of surfactants should be avoided except when specifically recommended. Do not mix with another herbicide unless weather and crop conditions are ideal for use of both products according to label recommendations.

## RESISTANCE MANAGEMENT

GROUP	5	HERBICIDE
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Progard contains prometryn, 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.