

orion AGRISCIENCE

WARNING

KEEP OUT OF REACH OF CHILDREN



PatrolTM

INSECTICIDE

A SEED TREATMENT for use on CEREALS,
FORAGE BRASSICAS, GRASS, MAIZE, and
SWEETCORN seeds

Active Ingredient:

600 g/litre clothianidin in the form of a suspension concentrate

SHAKE WELL BEFORE USE



5 Litres

140 x 140mm (WxH)

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

Acute oral toxicity Category 4, Specific target organ toxicity (repeated exposure) Category 2, Hazardous to soil organisms, Hazardous to terrestrial vertebrates, Hazardous to terrestrial invertebrates, Hazardous to the aquatic environment acute Category 1, Hazardous to the aquatic environment chronic Category 1

WARNING: ECOTOXIC

Harmful if swallowed. May cause damage to organs through prolonged or repeated exposure. Very toxic to aquatic life with long lasting effects. Toxic to the soil environment. Harmful to terrestrial vertebrates. Very toxic to terrestrial invertebrates.

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. Very toxic to terrestrial invertebrates. Read label before use. Do not breathe fumes, vapours or spray. Wash hands thoroughly after handling. Do not eat, drink or smoke when using this product. Avoid release to the environment.

STORAGE

Keep out of reach of children. Store in the original, tightly closed container, in a secure place away from foodstuffs. 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 mist during seed coating, or dust from treated seed. When mixing or applying, wear overalls, boots, gloves, and eye protection. Wear a respirator (organic vapour and particulate matter) if dust or mist could be inhaled. Wear gloves when handling treated seed. 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 equipment. Treated seed must not be used for human or animal consumption. See further precautions regarding marking and labelling of treated seed below.

DISPOSAL

Dispose of this product only by using in accordance with this label, or at a suitable landfill. Triple rinse container and use rinsate in the seed coating mix. 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 onto or into water. Collect spillage. Do not contaminate aquatic environments with product or empty container. Take all reasonable steps to ensure that coated seed is not accessible to birds at any time.

FIRST AID

If medical advice is needed, have product container or label at hand. Get medical advice/attention if you feel unwell.

IF SWALLOWED: Rinse mouth. Call a POISON CENTER or doctor/physician if you feel unwell. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. If skin irritation occurs: Get medical advice/attention

Get medical help if you feel unwell. For advice, call the Poisons Centre on **0800 POISON (0800 764 766)** or a doctor.

EMERGENCY RESPONSE

In an 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 detergent, 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. P8437

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

Approved pursuant to the HSN0 Act 1996, No. HSR000694

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

™PATROL is a Trade Mark of Orion Agriscience Limited.

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0800 674 6627 www.orionagriscience.co.nz

**UN3082
ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
(CONTAINS 60% CLOTHIANIDIN)
HAZARD CLASS 9
PG III
Do not carry this product on a passenger service vehicle**



Batch No:

Date of manufacture:

PATROL

orion
AGRISCIENCE

0425

PLEASE READ THE LABEL COMPLETELY BEFORE USE

GENERAL INFORMATION

Patrol is a systemic insecticidal seed treatment, effective against a number of insect species listed in the table below. It acts by protecting the seed in the ground against soil insects by forming a protective halo around the seed, and also once the seed has germinated, acts as a systemic insecticide within the seedling to protect against sucking and biting and chewing insects.

DIRECTIONS FOR USE

Use on undamaged, high-quality seeds only. Before use, shake contents thoroughly, or if a drum, roll from side to side, to ensure a uniform mixture is drawn off. Always use in conjunction with a proprietary seed coat binder.

APPLICATION METHODS

Apply through correctly calibrated seed treatment equipment.

WITHHOLDING PERIODS

It is an offence to use this product on animals.

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.

Cereals, Forage Brassicas,	42 Days from planting
Pasture, Maize and Sweetcorn	
Grass seed oversown	21 Days from oversowing
into pasture ('stitching')	

MARKING AND LABELLING OF TREATED SEED

Whilst Patrol contains a distinctive dye, any subsequent seed treatment(s) must also be dyed to ensure treated seed is easily recognisable. Containers must be labelled as follows:

- **Seed treated with Patrol must not be used for human or animal consumption**
- **Treated seed can be toxic to birds, and must be properly sown and completely covered with soil**
- **Seed must not be left in areas accessible to birds**
- **Withholding Period: Stock must not graze cereals, forage brassicas, new pasture, maize or sweetcorn within 42 days of planting. Stock must not graze oversown pasture ('stitching') within 21 days of oversowing.**

These statements must be in bold print on the labels of treated seed containers.

RESISTANCE MANAGEMENT

GROUP	4	INSECTICIDE
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Patrol contains clothianidin a neonicotinoid insecticide belonging to the nicotinic acetylcholine receptor (nAChR) agonists mode of action group. Resistance to this insecticide could develop from excessive use. To minimise this risk, use strictly in accordance with label instructions. Consult <http://resistance.nzpps.org/index.php> for alternative modes of action and details of resistance management strategies (if any) for the insect pests listed on the label.

Crop	Insects Controlled	Rate	Critical Comments
Cereals	Aphids	60 mL / 100 Kg of seed	Mix with sufficient water (around 10 L per tonne of seed). Apply to seed ensuring an even coverage.
Forage Brassicas	Argentine stem weevil Springtails (Sminthuridae family)	12 mL / Kg of seed	Mix with sufficient water (around 1 L per 100 Kg of seed). Apply to seed ensuring an even coverage.
Grass	Argentine stem weevil Black beetle Grass grub larvae	450 mL / 100 Kg of seed	Mix with sufficient water (around 1 L per 100 Kg of seed). Apply to seed ensuring an even coverage.
Maize Sweetcorn	Argentine stem weevil Black beetle Greasy cutworm	100 mL / 80 000 seeds	Mix with sufficient water (1 - 2 L per 100 Kg of seed). Apply to seed ensuring an even coverage.
Wheat	Argentine stem weevil Grass grub larvae	60 mL / 100 Kg of seed	Mix with sufficient water (around 10 L per tonne of seed). Apply to seed ensuring an even coverage.