

Starlan®

A systemic insecticide for use as a seed treatment on cereals, forage brassicas, grass seed, maize, sweetcorn, potatoes, pumpkins and winter squash.

Active Ingredient: 600g/litre imidacloprid

Chemical Group: Neonicotinoid – GROUP 4 Insecticide

Formulation: Suspension concentrate

Pack Size: 5 Litre

- ✓ Excellent protection for germinating seedlings against pest damage.
- ✓ Protection against soil borne pests.
- ✓ Better crop establishment and vigour.
- ✓ Greater crop yields.
- ✓ Systemic protection from root to tip.
- ✓ Broad spectrum efficacy.

About Starlan®

Starlan® is a systemic seed treatment insecticide for the protection of cereals from grass grub larvae and aphids, forage brassicas from aphids, Argentine stem weevil, springtails (Sminthuridae family) and wheat bug, grass seedlings from grass grub larvae and black beetle adults, maize and sweetcorn seedlings from Argentine stem weevil and black beetle, potatoes from aphids and pumpkins and winter squash from aphids, Argentine stem weevil, grass grub beetle, lucerne flea and springtails.

Resistance Management: Starlan is a **GROUP 4 INSECTICIDE** from the Neonicotinoid group of insecticides. Resistance to Starlan® and related insecticides could develop from repeated use. To minimise this risk, use strictly in accordance with label instructions. Consult <https://resistance.nzpps.org/> for alternative modes of action and resistance management strategies (if any) for the insect pests listed on the label.

Starlan® should only be applied through a properly-calibrated seed treatment machine to high quality undamaged seed. As Starlan® treatment may alter the seed flow rate, recalibrate the planter prior to drilling with treated seed to ensure the required plant population is achieved. Any person treating seeds with this substance must ensure that the seeds are film coated at the time of treatment.



Directions for use:

Mixing: Prior to mixing ensure the container is rolled to re-suspend the formulation. When decanting, ensure adequate agitation is maintained.

RECOMMENDATIONS

Crop	Pest	Product Rates	Comments
Cereals	Grass grub larvae, Aphids	90 ml/100kg of seed	Mix with sufficient water (usually 10 litres/tonne of seed) and apply to seed ensuring even coverage.
Forage brassicas	Aphids, Argentine stem weevil, Springtails (Sminthuridae family), Wheat bug	12-24 ml/kg of seed	Apply to seed ensuring even coverage. The higher rate will increase the period of protection against aphids.
Grass seed	Grass grub larvae, Black beetle adults	580 ml/100kg of seed	Mix with sufficient water, usually 10 litres/tonne, and apply to seed ensuring even coverage.
Maize, Sweetcorn	Argentine stem weevil, - Black beetle	580 ml/100kg of seed	Mix with sufficient water (1-2 litres/100kg of seed) and apply to seed ensuring even coverage. On sweetcorn, transitory phytotoxic effects may occur in some sweetcorn varieties, particularly under dry conditions.
Potatoes	Aphids	90 ml/tonne of seed	Mix with sufficient water, usually 2-3 litres and apply to seed tubers ensuring even coverage. If treated tubers are to be kept for later planting, ensure they are thoroughly dry before storing.
Pumpkins, Winter Squash	Aphids, Argentine stem weevil, Grass grub beetle, Lucerne flea, Springtails	50 ml/kg of seed	Mix with sufficient water (1-2 litres/100kg of seed) and apply to seed ensuring even coverage.

Starlan® should only be applied through a properly calibrated seed treatment machine to high quality, undamaged seed. As Starlan® treatment may alter the seed flow rate, calibrate the planter prior to planting with treated seed to ensure that the required plant population is achieved.

Starlan® can be applied to seed previously treated with a fungicide or can be applied in conjunction with a seed treatment fungicide.

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.

WITHHOLDING PERIODS:

Cereals, forage brassicas, pasture, maize and sweetcorn: **42 days**

Grass seed oversown into grazed pasture (stitching): **21 days from oversowing**

It is an offence to use this product on animals.

At the time of treatment the seed must be dyed a distinctive colour.

Containers of treated seed must be labelled with the following:

- 1. Seed treated with Starlan must not be used for human or animal consumption.**
- 2. Treated seed may be harmful to seed-eating birds, and should be properly sown and completely covered by soil.**
- 3. Excess seed is not to be left in areas accessible to birds.**

(This statement must be in bold print on the labels of treated seed containers).

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Approved under the HSNO Act 1996, HSR007662.