

Nuron®

An insect growth inhibitor for the control of
Codling moth and Leafrollers on apples and pears
and potato/tomato psyllid control in potatoes.



Active Ingredient: 50g/litre lufenuron in the form of an emulsifiable concentrate.

Chemical Group: Benzoylurea – GROUP 15 INSECTICIDE

Formulation: Emulsifiable Concentrate

Pack Size: 5 Litre

About Nuron®

Nuron® is a selective insecticide that exhibits excellent control of **potato/tomato psyllid** in potatoes. It is a non-systemic Insect Growth Inhibitor (IGI) with strong stomach and moderate contact activity and is also the **only GROUP 15 insecticide registered for TPP control in potatoes.**

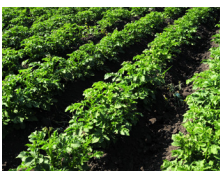
Following 3 years of Plant & Food Research trials, Nuron has proved to be **highly effective against TPP nymphs** (showing 98-100% control of nymphs) – some of which may be resistant to other chemical groups. Nuron should be used as part of an early-to-mid season preventative programme for the control of TPP, just before an infestation is likely to occur. Where adults are present, the addition of a knockdown insecticide is recommended.

- ✓ Excellent efficacy against TPP nymphs – proven after 3yrs of Plant & Food Research trials.
- ✓ Efficacy against TPP nymphs equal to or better than current benchmark insecticides registered for TPP control in potatoes.
- ✓ Significant improvements in potato yields, dry matter content and specific gravity.
- ✓ For best results, apply 2 applications 7-10 days apart in the early-to-mid-season programme.
- ✓ Only GROUP 15 insecticide registered for TPP control in potatoes. No cross-resistance to other chemical groups.

Recommended Nuron® Timing



Crop Emergence



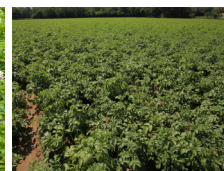
Early Rosette



Rapid Canopy Growth



Flowering



Canopy Complete



Potato dessication



Use Rate:

1 litre/ha + an adjuvant (oil).

Comments:

Add a knockdown insecticide if adults are present.

WHP:

42 days.

Plant Interval:

Following harvest of treated potato crops, a 12 month plant-back interval must be observed prior to planting follow-on crops that may be used to provide animal feed or forage.

Pollinators: When NURON is applied during non-foraging periods, applications will not interfere with the activity of honey bees once spray has dried.

Resistance management: Nuron contains a GROUP 15 INSECTICIDE belonging to the benzoylurea group of chemistry. Resistance to these insecticides could develop from excessive use. Alternate with products from alternative chemical groups. Apply a maximum of two applications per season. To minimise this risk use strictly in accordance with label instructions and resistance management strategies at www.nzpps.org/resistance.

Directions for use:

The rate suggested is for dilute spraying to run-off. For concentrate spraying adjust dilution rate accordingly.

It is an offence to use this product on animals.

Crop	Pest	Rate	Remarks
Apples	Leafrollers, Codling moth	100ml / 100 litres water.	Make the first application at petal fall when bees have been removed. Make a second application 28 days later. Observe the 56 day withholding period. Use alternative products for the rest of the season. Note: For export withholding periods refer to Pipfruit NZ export spray withholding period wall chart and consult their supply specifications. The rate suggested is for dilute spraying to run-off.
Pears			Make a single application after petal fall when bees have been removed. Use alternative products for the rest of the season.
Potatoes	Potato/ tomato psyllid	1L/Ha	Make 1-2 applications early in the season (up to a maximum of 2 applications) at 7-10 day intervals, in mixture with a knockdown insecticide registered for TPP control if adults are present on foliage. Apply in sufficient water to achieve good coverage of all foliage. The addition of a crop oil is recommended.

Mixing: NURON mixes readily with water. Add the required amount into the partly filled spray tank then add the rest of the water with agitation. Continue agitation while spraying.

Equipment: NURON can be applied with conventional ground spraying equipment. Rinse with clean water after use.

Compatibility: NURON may be tank mixed with most commonly used insecticides and fungicides in potatoes. In apples and pears DO NOT mix with foliar fertilisers or nutrient sprays.

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:

Apples – 56 days;

Pears – 80 days;

Potatoes – 42 days.

PLANT-BACK INTERVAL: Following harvest of treated potato crops, a 12 month plant-back interval must be observed prior to planting follow-on crops that may be used to provide animal feed or forage.