

# 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

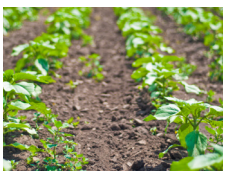
## About Nuron®

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



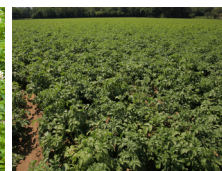
Early Rosette



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](http://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. <b>Note:</b> 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.