

# Ultima®

Insecticide for the control of certain insect pests in a range of vegetable crops.



**Active Ingredient:** 200g/litre chlorantraniliprole

**Chemical Group:** Group 28 Insecticide

**Formulation:** Suspension concentrate (SC)

**Pack Size:** 1L

**Ultima® offers highly cost-effective pest control, with many key benefits:**

- ✓ Highly effective at low dose rates.
- ✓ Long lasting activity.
- ✓ No cross-resistance to other chemical groups .
- ✓ Rapid cessation of feeding.
- ✓ Low impact on beneficials.

## About Ultima®

Ultima® is an insecticide which is very effective against Lepidoptera species. Ultima insecticide has been designed for use in Integrated Pest Management (IPM) programmes. Ultima is very active on Lepidopteran insect pests, mainly as a larvicide. Before application, monitor insect populations to determine whether or not there is a need for application of Ultima Insecticide based on locally determined economic thresholds. More than one treatment of Ultima Insecticide may be required to control a population of pests. Ultima Insecticide can be used in Integrated Pest Management (IPM) programmes. May be harmful to some beneficial insects – particularly some foliage dwelling predators which may be used in Integrated Pest Management.

**BEE SAFETY:** Activity of honey bees will not be disrupted provided Ultima Insecticide is applied in non-foraging periods and once the spray has dried.

**SURFACTANT / WETTING AGENT:** For broccoli, Brussels sprout, cabbage, cauliflower, use a non-ionic surfactant/wetting agent at the highest rate recommended for hard to wet crops. For lettuce, spinach, silver beet, Asian vegetables and potato use a non-ionic surfactant/wetting agent at the rate recommended for easy to wet crops. **DO NOT** add a non-ionic surfactant/wetting agent if:

- mixing with another product which already contains a surfactant and/or the product label advises not to add a surfactant.
- mixing with a liquid fertiliser.

**COMPATIBILITY:** Ultima Insecticide is compatible with other commonly used fungicides, insecticides and foliar fertilisers. Since formulations may be changed and new ones introduced, it is recommended that users premix a small quantity of the desired tank mix and observe possible adverse changes (settling out, flocculation etc).

## Directions for use:

**It is an offence to use this product on animals.**

**DO NOT** apply if rainfall is expected within 2 hours of application. **DO NOT** use on container or hydroponic grown crops.

**EXPORT STATEMENT:** Consult with your exporter or Adria before applying Ultima Insecticide to export crops.

CROP	PESTS	RATE	WHP	CRITICAL COMMENTS
Vegetable brassicas including: Broccoli, Brussels sprouts, Cabbage, Cauliflower	Cabbage white butterfly ( <i>Pieris rapae</i> ), Tropical army worm ( <i>Spodoptera litura</i> ), Tomato fruit worm ( <i>Heliothis armigera</i> ), Diamondback moth ( <i>Plutella xylostella</i> ), Soybean looper ( <i>Thysanoplusia orichalcea</i> )	100 mL/Ha + A non-ionic surfactant (refer to surfactant section) <b>DO NOT</b> apply more than 300 mL/ha per season.	7 days	<p><b>All crops -</b> Regularly scout crops to monitor for eggs and larvae. Target sprays against eggs and newly hatched larvae before they become established. Apply when eggs and larvae reach threshold numbers.</p> <p>A maximum of 3 applications can be applied to any single crop. Apply no more than 2 consecutive sprays per crop, with a minimum spray interval of 7 days between sprays. Further treatments should be made with insecticides with alternative modes of action.</p> <p>Restrict the use of Ultima Insecticide to the allocated Insect Resistance Management strategy window for your district.</p> <p>Use enough water to ensure thorough coverage of the crop. Adjust water volumes to crop stage (200 – 1000 L/ha).</p>
Lettuce (leaf & closed head varieties)			3 days	
Leafy vegetables including: Sillverbeat, Spinach and Asian vegetables, including Pak choy and Wong bok				
Potato	Potato tuber moth ( <i>Phthorimaea operculella</i> )		14 days	Apply at first sighting of moths or first appearance of foliage mining and repeat at 7-14 day intervals. <b>DO NOT</b> apply more than 3 applications per season. Further treatments should be made with insecticides with alternative modes of action. Moth larvae in the soil or within stems will not be controlled. Tuber moth control is aided by maintaining adequate soil moisture by irrigation and good soil coverage over the developing tubers.

It is an offence for users of this product to cause residues exceeding the relevant MRL in the Food Notice: Maximum Residues Levels for Agricultural Compounds.

**WITHHOLDING PERIODS: HARVEST:** Broccoli, Brussels sprout, Cabbage, Cauliflower: **DO NOT** harvest for 7 days after application. Lettuce, Silver beet, Spinach and Asian vegetables: **DO NOT** harvest for 3 days after application. Potatoes: **DO NOT** harvest for 14 days after application.

**GRAZING:** **DO NOT** graze or feed treated produce to stock.

Registered to and distributed by: Adria New Zealand Limited. P.O. Box 535 Kumeu, Auckland 0841, NEW ZEALAND.

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