GENERAL INSTRUCTIONS: Ultima insecticide has been designed for use in Integrated Pest Management (IPM) programmes. Ultima Insecticide is an anthranilic diamide insecticide in the form of a suspension concentrate (SC). 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.

APPLICATION: Apply using clean, well maintained and accurately calibrated ground-based spray equipment (only). Set the boom low and use coarser nozzles and low pressures to avoid spray drift.

The use of this chemical in areas where soils are permeable, particularly where the water table is shallow, may result in the substance leaching into ground water.

Due to the persistent nature of chlorantraniliprole in soil, this product is expected to accumulate over successive seasons following repeated use.

MIXING: Fill spray tank to ¼ to ½ full of water. Measure the amount of Ultima Insecticide required for the area to be sprayed. Add Ultima Insecticide directly to the spray tank with the agitation engaged. Mix thoroughly to disperse the insecticide. Once dispersed, the material must be kept in suspension at all times by continuous agitation. Use mechanical or hydraulic means, DO NOT use air agitation, premix or slurry.

If spray solution is left standing, ensure thorough re-agitation of the spray mix until fully resuspended. DO NOT allow spray mix to sit overnight, as resuspension may be difficult.

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).

SPRAY EQUIPMENT CLEANOUT: Immediately following application, thoroughly clean all spray equipment to reduce the risk of hardened deposits forming which might become difficult to remove. Drain spray equipment, thoroughly rinse sprayer and flush hoses, boom and nozzles with clean water. Clean all other associated application equipment. Take all necessary safety precautions when cleaning equipment. DO NOT clean near wells, water sources or desirable vegetation. Dispose of waste rinse water in accordance with local regulations.

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, Brussel sprouts, Cabbage, Cauliflower	Cabbage white butterfly *(Pieris rapae)*, Tropical army worm *(Spodoptera litura)*, Tomato fruit worm *(Heliothis) (Helicoverpa armigera)*, Diamondback moth *(Plutella xylostella)*, Soybean looper *(Thysanoplusia orichalcea)*	100 mL/Ha + A non-ionic surfactant (refer to surfactant section) DO NOT apply more than 300 mL/ha per season.	7 days	All crops - 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. 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. Restrict the use of Ultima Insecticide to the allocated Insect Resistance Management strategy window for your district. Use enough water to ensure thorough coverage of the crop. Adjust water volumes to crop stage (200 – 1000 L/ha).
Lettuce (leaf & closed head varieties)			3 days	
Leafy vegetables, including: - Silverbeet, Spinach and Asian vegetables, including Pak choy and Wong bok				
Potato	Potato tuber moth *(Phthorimaea operculella)*		14 days	Apply at first sighting of moths or first appearance of foliage mining and repeat at 7-14 day intervals. DO NOT 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.

UN 3082; Class 9, PGIII. ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Chlorantraniprole).
Do not carry this product on a passenger service vehicle.

WARNING
KEEP OUT OF REACH OF CHILDREN

Ultima®

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

Active Ingredient: Contains 200g/litre chlorantraniliprole in the form of a suspension concentrate.

GROUP 28 INSECTICIDE

Registered pursuant to the ACVM Act 1997 No. P9893
See www.foodsafety.govt.nz for registration conditions.

In a transport emergency dial 111, Police or Fire Brigade.
For specialist advice in an emergency only call:
0800 734 607 (24 hours).

9 421903 469649

Net Contents: 1 litre

adria CROP PROTECTION SOLUTIONS

READ LABEL BEFORE USE

Qualified Person/Contractor: Required.

WARNING: Harmful if swallowed. Causes skin irritation. May cause an allergic skin reaction. Causes serious eye irritation. May cause respiratory irritation. May cause drowsiness or dizziness. Very toxic to aquatic life with long-lasting effects.

SAFETY DIRECTIONS: Keep out of reach of children. Read label before use. Avoid breathing dust, fumes, gas, mist, vapours or spray. Wash hands thoroughly after handling. Do not eat, drink or smoke when using this product. Use only outdoors or in a well-ventilated area. Contaminated work clothing should not be allowed out of the workplace. Avoid release to the environment. Wear protective gloves, clothing and eye protection. Collect Spillage. Take all reasonable steps to ensure that the substance does not cause any significant adverse effects to the environment beyond the application area. Do not apply directly into or onto water.
STORAGE: Store locked up in the original, unopened container in a cool, dry, well-ventilated place, out of direct sunlight and away from stockfeed or foodstuffs. As a Class 9 Substance with Ecotoxicity Classifications, storage must be carried out in such a manner as to prevent contamination of waterways. It is recommended that The New Zealand Standard for the Management of Agrichemicals (NZS8409) is followed. See Safety Data Sheet for further information.
APPLICATION: When used on vegetable brassicas, lettuce, leafy vegetables and potatoes: The maximum application rate of this substance is 0.02 kg chlorantraniliprole/ha per application, with a maximum frequency of three applications per season and a minimum interval of 7 days.
The use of this chemical in areas where soils are permeable, particularly where the water table is shallow, may result in the substance leaching into ground water.
Harmful to some beneficial insects – particularly some foliage dwelling predators that may be used in Integrated Pest Management.
Due to the persistent nature of chlorantraniliprole in soil, this product is expected to accumulate over successive seasons following repeated use.
This substance must be applied using ground-based methods only.
DISPOSAL OF CONTAINER: Triple rinse container and add residue to spray tank.
Return clean, empty container to an AgRecovery site for disposal.
Avoid contamination of any water supply with chemical or empty container.
Do not burn empty containers.

AGRECOVERY www.agrecovery.co.nz

FIRST AID: If medical advice is needed, have product container or label at hand. Call a POISON CENTER or doctor/physician if you feel unwell. IF SWALLOWED: Rinse mouth. Call a POISON CENTER or doctor/physician if you feel unwell. IF ON SKIN: Wash with plenty of soap and water. If skin irritation or rash occurs: Get medical advice/attention. Take off contaminated clothing and wash before re-use. IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing. 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.

Batch No. and Manufacturing Date: See on packaging.

Registered to and Distributed by: Adria New Zealand Limited.
P.O. Box 535, 407 State Highway 16 Kumeu, Auckland. Ph: 09 412 9817. www.adria.nz

adria CROP PROTECTION SOLUTIONS

Notice to Buyer: Careful tests have proved that the product is suitable for the recommended purposes when used in accordance with our instructions. However, since storage and use of product are beyond our control, we do not therefore accept any liability for damage or loss of efficacy which may result from the use of this product, whether used in accordance with the directions or not. We are liable for a consistent quality of the product, but the risk of its storage and use is not borne by us.

RESISTANCE MANAGEMENT: Some naturally occurring insect biotypes resistant to Ultima Insecticide and similar mode of action insecticides may exist through normal genetic variability in any insect population. The resistant individuals can eventually dominate the insect population if Ultima Insecticide and other similar mode of action insecticides are used repeatedly. The effectiveness of Ultima Insecticide on resistant individuals could be significantly reduced. Since the occurrence of resistant individuals is difficult to detect prior to use Adria accepts no liability for any losses that may result from the failure of Ultima Insecticide to control resistant insects. Ultima Insecticide may be subject to specific resistance management strategies. To help prevent the development of resistance to Ultima Insecticide use Ultima Insecticide in accordance with the current Insecticide Resistance Management (IRM) strategy for your region. For further information contact your farm chemical supplier, consultant, or local Adria Representative.