

**GENERAL INSTRUCTIONS:** Domino is an anthranilic diamide insecticide, to be mixed with water and applied as a foliar spray. Domino insecticide is active on both sucking and chewing (Lepidopteran) insect pests. Before applying, monitor pest populations to determine whether or not there is a need for application based on locally determined economic thresholds. More than one treatment may be required to control a population of pests.

Domino insecticide enters larvae primarily by ingestion, and also by contact. Exposure of the pest generally results in rapid feeding cessation within a few hours of exposure. The time to death may take 3-6 days, depending upon the species.

**BEE SAFETY:** Apply Domino in flowering crops only after daily honeybee flights. Ensure flowering weeds are removed before spraying Domino to avoid potential exposure of honeybees. Ensure that spray drift is avoided onto flowering off-crop areas during the application of Domino.

**INSECTICIDE RESISTANCE WARNING:** Domino insecticide is a Group 28 insecticide. Some naturally occurring insect biotypes resistant to Domino and other Group 28 insecticides may exist through normal genetic variability in any insect population. The resistant individuals can eventually dominate the insect population if Domino and other Group 28 insecticides are used repeatedly. The efficacy of Domino on resistant individuals could be significantly reduced. Since the occurrence of resistant populations is difficult to determine prior to use Adria accepts no liability for any losses that may result from the failure of Domino to control resistant insects.

Domino may be subject to specific resistance management strategies. To help prevent the development of resistance, observe the following instructions:

- Use Domino in accordance with the current Insecticide Resistance Management (IRM) strategy for your region.
- Spray Domino or other Group 28 insecticides using a "window" approach to avoid exposure of consecutive insect pest generations to the same mode of action. Multiple successive applications of Domino or other Group 28 insecticides are acceptable if they are used to treat a single insect generation.
- Following a "window" of Domino application or other Group 28 insecticides, rotate to a "window" of applications of effective insecticides with an alternative mode of action.
- The total exposure period of all "Group 28-active windows" applied throughout the crop cycle (from seedling to harvest) should not exceed 50% of the crop cycle.
- Incorporate IPM techniques into the overall pest management program.
- Monitor pest populations for loss of field efficacy.
- For further information contact your farm chemical supplier, consultant, or local Adria Representative.

For additional information on insect resistance, consult: <http://resistance.nzpps.org/> for alternate modes of action and the details of resistance management strategies (if any) for the crops listed on the label.

**MIXING:** Fill spray tank to ¼ to ½ full of water. Add Domino directly to the spray tank with the agitation system operating. 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.

**ACIDIFICATION OF THE SPRAY TANK:** If the pH of the spray tank after all products have been added and mixed is above pH 8, adjust to pH 8 or less using a registered acidifying agent. If the spray tank pH is 8 or less no adjustment of the spray tank pH is necessary. Spray tanks of pH 8 or less can be held for up to 8 hours before spraying. DO NOT store the spray mixture overnight in the spray tank.

**SURFACTANT/WETTING AGENT:** Use a non-ionic surfactant/wetting agent at the highest rate recommended for hard 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.
- a liquid fertiliser.

**COMPATIBILITY:** Domino is compatible with most commonly used fungicides, liquid fertilisers, herbicides and insecticides. However, since product formulations are always changing, it is advisable to test the physical compatibility and check for adverse effects like settling out or flocculation. To determine physical compatibility, add the recommended volumes of the tank mix products to water, mix thoroughly and allow to stand for 20 minutes. If the combination remains mixed, or can be re-mixed readily, it is considered physically compatible. Avoid complex tank mixtures of several products or very concentrated spray mixtures.

The crop safety of all potential tank-mixes, including additives and other pesticides, on all crops has not been tested. Before applying any tank-mixture not specifically recommended on this label, safety to the target crop should be confirmed. To test for crop safety, apply the mixture to a small area of the target crop in accordance with the label instructions to make sure that a phytotoxic effect will not occur.

**CROPS CULTIVARS NOT TESTED:** It is not possible to evaluate crop safety for all applications of Domino on all crops within a crop group, including all varieties, cultivars, or hybrids, or under all environmental and growing conditions. To test for crop safety, apply the product in accordance with the label instructions to a small area of the target crop to ensure that a phytotoxic effect will not occur.

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

**MINIMISING SPRAY DRIFT:** The applicator must consider equipment and weather related factors when making application decisions. The most effective way to reduce drift is to apply large droplets (volume mean diameter (VMD) > 250 - 300 microns). The best drift management strategy is to apply the largest droplets that provide sufficient coverage and control. When making applications in hot and dry conditions, set up equipment to produce larger droplets to reduce effects of evaporation.

DO NOT apply when wind speed is less than 3 or more than 20 kilometres per hour at the application site.

**SPRAY EQUIPMENT CLEANOUT:** Prior to application, start with clean, well-maintained application equipment. 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.

| CROP                       | PEST                      | RATE/HA                                                                                   | CRITICAL COMMENTS                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|----------------------------|---------------------------|-------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Potatoes<br>Field tomatoes | Tomato/<br>potato psyllid | 500 mL/ha<br>+<br>non-ionic surfactant<br>(refer to Surfactant/<br>Wetting agent section) | Regularly scout crops to monitor pest levels. Apply 3 applications at 7-10 day intervals as part of a full programme. Use the shorter spray interval under conditions of high insect pressure. Ensure complete and thorough spray coverage. DO NOT apply more than 3 applications to any one crop per season. Further treatments should be made with alternative mode of action insecticides.                                                                              |
|                            | Potato tuber<br>moth      |                                                                                           | Apply at first sightings of moths or first appearance of foliage mining and repeat at 7 - 14 day intervals. DO NOT apply more than three (3) applications per season. Further treatments should be made with alternative mode of action insecticides. Moth larvae in the soil or within stems will not be controlled. Control of tuber moth is assisted by maintaining soil moisture at an adequate level by irrigation and good soil coverage over the developing tubers. |
|                            | Green peach<br>aphid      |                                                                                           | Apply at first sign of insects and make sequential applications 7-10 days later if needed. DO NOT apply more than 3 applications to any one crop per season. Further treatments should be made with alternative mode of action insecticides.                                                                                                                                                                                                                               |
|                            | Tomato fruit<br>worm      |                                                                                           | Regularly scout crops to monitor for eggs and larvae. Target sprays against eggs and newly hatched larvae before they become entrenched. Apply as egg and larvae reach threshold numbers. A maximum of 3 applications are to be applied to any one crop. No more than 2 consecutive sprays per crop, with a minimum spray interval of 7 days. Further treatments should be made with alternative mode of action insecticides.                                              |
| Onions                     | Thrips                    |                                                                                           | Regularly scout crops to monitor pest levels. Apply the first spray when pest thresholds have been reached and repeat at 7-10 day intervals. Use the shorter interval under conditions of high insect pressure. Ensure complete and thorough spray coverage. DO NOT use more than 3 applications per crop per season. Further treatments should be made with alternative mode of action insecticides. Follow the "Onions NZ Industry thrips control strategy".             |

**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: Onions, Potatoes: DO NOT** apply later than 14 days before harvest.

**Field tomatoes: DO NOT** apply later than 3 days before harvest.

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



**UN 3082; Class 9, PGIII. ENVIRONMENTALLY HAZARDOUS  
SUBSTANCE, LIQUID, N.O.S. (Cyantraniliprole).**

Do not carry this product on a passenger service vehicle.

**WARNING**  
KEEP OUT OF REACH OF CHILDREN

**Domino®**

**For the control of certain pests in  
onions, potatoes and field tomatoes.**

Active Ingredient:  
Contains 100g/litre cyantraniliprole  
in the form of an oil dispersion.

**GROUP 28 INSECTICIDE**

Registered pursuant to the ACVM Act 1997 No. PO10266  
See [www.foodsafety.govt.nz](http://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).



**Net Contents: 5 litres**



**PLEASE READ LABEL COMPLETELY BEFORE USE.**



Approved under the HSNO Act 1996, HSR101590.  
See [www.epa.govt.nz](http://www.epa.govt.nz) for controls.  
**Qualified Person/Contractor:** Required.

**WARNING** – May cause damage to organs through prolonged or repeated exposure. Very toxic to aquatic life with long lasting effects. Hazardous to terrestrial invertebrates.

**ECOTOXIC** - Very toxic to aquatic organisms. Toxic to terrestrial invertebrates. A person who applies the substance must ensure the application plot does not include any—

- (a) bees that are foraging; or
- (b) plants (including trees and weeds) that—
  - (i) are likely to be visited by non-target invertebrate pollinators; and
  - (ii) are either—
    - (A) in flower or part flower; or
    - (B) likely to flower within the period specified by the Authority as an additional control for the substance.

**SAFETY DIRECTIONS:** Keep out of reach of children. Do not eat, drink or smoke while using.

Avoid contact with eyes and skin. Do not breathe fumes, mist, vapours or spray. When mixing and applying, wear long-sleeved cotton overalls and gloves. After use and before eating, drinking or smoking, wash hands, arms and face thoroughly with soap and water. After each day's use, wash protective clothing. 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.

**APPLICATION CONTROLS:**

- This substance must be applied by ground-based methods only.
- Domino can only be sprayed in flowering crops after bee foraging ceases. If spraying after bee foraging is not possible, the application rate must be less than or equal to 20g cyantraniliprole/ha.
- Ensure flowering weeds are removed before spraying Domino to avoid potential exposure of honeybees.
- Ensure off-target spray drift into flowering habitats is avoided during the application of Domino.
- The substance must not be applied when wind speeds are less than 3 km/h, or more than 20 km/h as measured at the application site.
- The maximum application rate for the substance is 50 g cyantraniliprole/ha which equates to 0.5 L of the formulated substance/ha. The substance must not be applied more than 3 times per calendar year, with a minimum interval period of 7 days between applications.

**STORAGE:** Store locked up in the original, unopened container in a cool, dry 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.

**SPILLAGE:** Where appropriate wear appropriate protective clothing. Prevent liquid from entering sewers or bodies of water. Absorb spills in earth or sand and sweep up. Dispose of waste material at an approved landfill.

**Disposal of containers:** Triple rinse container and add residue to spray tank. Return clean, empty container to an AgRecovery Depot for disposal. Avoid contamination of any water supply with chemical or empty container.



**FIRST AID:** If swallowed do NOT induce vomiting. For advice, contact the National Poisons Centre on 0800 POISON (0800 764766) or a doctor immediately. If medical advice is needed, have product container or label at hand. Get medical advice/attention if you feel unwell.

**Eye contamination:** If product or spray enters eyes, wash out immediately and continue rinsing with clean water for at least 15 minutes. Obtain medical attention.

**Skin contact:** After contact with skin or hair, wash immediately with soap and water.

**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.

**Registered to and distributed by:** Adria New Zealand Limited.

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