



Adria Crop Protection Solutions

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Domino®

Insecticide for the control of certain pests in onions, potatoes and field tomatoes.



Active Ingredient: 100g/litre Cyantraniliprole

Chemical Group: GROUP 28 INSECTICIDE

Formulation: Oil dispersible (OD)

Pack Size: 5L

- ✓ **Broad spectrum pest control in potatoes and field tomatoes.**
- ✓ **No cross-resistance to other key chemical groups.**
- ✓ **Active through contact and ingestion.**
- ✓ **IPM compatible.**

About Domino®

Domino® is an insecticide for the control of tomato/potato psyllid, potato tuber moth, green peach aphid and tomato fruitworm in potatoes and field tomatoes, and thrips in onions. It is active through contact and ingestion, with feeding ceasing within hours and death taking 3-6 days. There is no cross-resistance with other commonly used insecticide chemical groups, so it is a valuable resistance management tool in potatoes, field tomatoes and onions.



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

Ph: +64-9-412-9817; www.adria.nz. Domino is a Registered Trademark of Adria New Zealand Limited and is Registered pursuant to the ACVM Act 1997, Approval No. P010266. Approved under the HSNO Act 1996, HSR101590.

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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.

MIXING: Fill spray tank to $\frac{1}{4}$ to $\frac{1}{2}$ 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 Field tomatoes	Tomato/potato psyllid	500 mL/ha + non-ionic surfactant (refer to Surfactant/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 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 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 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 Residues 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.