Bravium®

For the control of Aphids on Lettuce, Potatoes, Tamarillos, Tomatoes, Vegetable Brassicas and Green Peach Aphid on Peaches and Nectarines, and Whitefly on Tamarillos and Tomatoes.

Active Ingredient: 250g/litre pymetrozine in the form of a suspension concentrate.

Chemical Group: Pyridine Azomethine

Formulation: Suspension Concentrate

Pack Size: 1 litre

Bravium offers effective control of aphids and whitefly, with many key benefits:

- ✓ Immediate prevention of ongoing crop damage .
- ✓ Highly selective, low toxicity
- ✓ IPM compatible.
- ✓ No cross-resistance to other chemical groups.

About Bravium®:

Bravium is a systemic insecticide from the pyridine azomethine chemical group, and has a unique mode of action. It stops aphids and whiteflies from feeding and they subsequently starve to death.

Because of its selectivity, Bravium is highly suited for use in IPM programmes.

Bravium has translaminar and systemic activity within the plant. First symptoms are visible within 15 minutes after direct contact or ingestion. Feeding stops within 1 hour and death by starvation occurs within 3 days. Aphids may still be visible on the plant a few days after treatment, but they will not be causing damage and will no longer be able to transmit viruses. In aphids, Bravium is active on all mobile forms (nymphs, apterous morphs, winged morphs).

General Information: Bravium is an insecticide with translaminar and systemic activity within the plant. Within hours of contact or ingestion of Bravium, aphids and whitefly cease to feed. Although they may still be present on the leaves a few days later, the aphids and whitefly are not causing any damage. Bravium is compatible with IPM programmes involving Phytoseiulus persimilis, Amblyseius fallacies and Encarsia spp., and will not disrupt the activity of honey bees, although spraying should be avoided while bees are actively foraging.

Directions for use:

The method of application shall be limited to ground based application only.

Mixing: Thoroughly pre-mix the required amount with a little water to form a slurry. Add water whilst agitating. For spray treatments maintain agitation while mixing and applying. Also agitate thoroughly after a stoppage, before recommencing spraying. Use immediately after mixing.

Crop	Pest	Rate	Critical Comments
Lettuces	Lettuce Aphids	800 mL/ha	Apply as a broadcast spray in sufficient water to give complete coverage without runoff. This is assisted by the addition of a non ionic wetting agent. Application to wet foliage will reduce effectiveness. Apply at first sign of insect presence especially before populations build up and before the head formation of certain lettuce varieties. Repeat if necessary 7 to 14 days later. The closer interval is recommended under high aphid pressure. Apply no more than 3 applications per crop.
Peaches, Nectarines	Green Peach Aphid	40 mL/100 litres of water	Apply as a high volume to give complete coverage to the point of run-off. For concentrate spraying, adjust dilution rate accordingly. Complete spray coverage of the foliage is necessary and this will be assisted by the addition of a non-ionic wetting agent. Make a single application either at the first sign of aphid presence or alternatively during crop development when an IPM threshold monitoring system indicates the aphid threshold level is exceeded. For details on this monitoring system consult either Hort Research or the Stonefruit Processor.
Potatoes	Aphids	400 mL/ha	Apply as a broadcast spray in sufficient water to give complete coverage without run-off. The addition of a wetting agent will assist coverage. At the first sign of insect presence apply a single spray or a pair of sprays 7 to 14 days apart. The closer interval is recommended under high aphid pressure.
Tamarillos	Aphids, Whitefly	80 mL/100 litres of water as a dilute spray	Apply as a broadcast spray in sufficient water to give complete coverage without run-off. The addition of a wetting agent will assist coverage. At the first sign of insect presence apply a single spray or a pair of sprays 7 to 14 days apart. The closer interval is recommended under high aphid pressure.
Tomatoes (Field and Glasshouse)	Aphids Whitefly	400 mL/ha 400 to 800 mL/ha or 80 mL/100 litres of water as a dilute spray	Apply as a broadcast spray in sufficient water to give complete coverage without run-off. The addition of a wetting agent will assist coverage. At the first sign of insect presence apply a single spray or a pair of sprays 7 to 14 days apart. The closer interval is recommended under high aphid or whitefly pressure. Alternation with other products is recommended. The higher rate is recommended where whitefly populations have established.
Vegetable Brassicas	Aphids	400 mL/ha	Apply as a broadcast spray in sufficient water to give complete coverage without run-off. The addition of a wetting agent at manufacturer's label rates is essential to assist coverage on the waxy leaf surfaces. Application to wet foliage will reduce effectiveness. At the first sign of insect presence apply a single spray or a pair of sprays 7 to 14 days apart. The closer interval is recommended under high aphid pressure. Alternatively, Bravium can be applied under a reduced spray programme (IPM programme for brassicas) based on threshold monitoring. For further information on this system, contact Plant & Food Research.

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: Lettuces – 7 days; Peaches, Nectarines – 28 days; Potatoes – 7 days; Tamarillos – 14 days; Tomatoes (field and glasshouse) – 3 days; Vegetable brassicas – 7 days

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