Pyrinex® Super

Product Overview

- PYRINEX® SUPER is a unique broad spectrum insecticide providing excellent knockdown and residual control of many common insect pests of field grown Tomatoes
- PYRINEX® SUPER contains 400 g/L chlorpyrifos and 20 g/L of bifenthrin which combine synergistically to provide superior protection using two insecticidal modes of action
- PYRINEX® SUPER is an ideal tool for preventing the build-up of resistance to commonly used insecticides when used in an effective Resistance Management plan
- Highly compatible liquid formulation allows one pass insect and disease control when mixed with registered fungicides.

Mode of Action

PYRINEX® SUPER is a member of both the Group 1B and Group 3A insecticides. The chlorpyrifos component is an anticholinesterase inhibitor, while bifenthrin is a sodium channel modulator. Both active ingredients provide rapid knockdown activity by acting on the pest’s nervous system while the bifenthrin also provides extended residual control.

When to Use PYRINEX® SUPER

PYRINEX® SUPER controls two major lepidopteran pests including Native budworm (Helicoverpa punctigera) and Tomato Grub (Helicoverpa armigera) as well as the key sucking pests Silverleaf Whitefly (Bemisia tabaci Biotype B), Greenhouse Whitefly (Trialeurodes vaporariorum), Green Peach Aphid (Myzus persicae) and Green Vegetable Bug (Nezara viridula).

- **Native Budworm and Tomato Grub:** 1.88 L to 2.5 L/Ha OR 188 mL to 250 mL/100 L of water
  Apply from flowering as indicated by field monitoring and timed to coincide with egg hatch and when small larvae up to 5 mm are present. Use the high rate and shorter interval when pest infestation is more severe and when increased residual protection is required. DO NOT apply to control *Helicoverpa armigera* larger than 5 mm in length

- **Silverleaf Whitefly:** 2.5 L/Ha OR 250 mL /100 L of water
  Apply as indicated by field monitoring before populations reach damaging levels. Target the adult stage of Silverleaf Whitefly and do not spray crops with a high population of juveniles unless using with another insecticide - such as Lascar® - that is effective against these stages

- **Greenhouse Whitefly:** 150 mL /100 L of water
  Apply as indicated by pest incidence using a total spray volume of 2500 L/Ha

- **Green Peach Aphid:** 1.25 L/Ha OR 125 mL/100 L of water
  Apply when aphid incidence is first noticed using up to 1000 L/Ha of water on larger plants

- **Green Vegetable Bug:** 1.88 L to 2.5 L/Ha OR 188 mL to 250 mL/100 L of water
  Apply at the first sign of bug activity using the higher rate under heavy pest pressure.
Resistance Management

Several of the target pests controlled by PYRINEX® SUPER are subject to CropLife Australia Insecticide Resistance Management Strategies (www.croplife.org.au/industry-stewardship/resistance-management).

Native Budworm and Tomato Grub
- DO NOT apply consecutive applications of PYRINEX® SUPER or more than two applications per crop
- Apply in rotation with non-synthetic pyrethroid and organophosphate insecticides.

Silverleaf Whitefly and Greenhouse Whitefly
- DO NOT apply consecutive applications of PYRINEX® SUPER or insecticides with the same mode of action within or between seasons and DO NOT apply more than 2 applications of PYRINEX® SUPER per crop
- Use PYRINEX® SUPER in rotation with insecticides from at least 2 other insecticide groups that are registered or permitted for use against Silverleaf Whitefly in Tomatoes. If an approved Resistance Management Strategy is in place for a particular area (e.g. Silverleaf Whitefly in the Burdekin and Bowen Districts of central Queensland), this should be followed.

Green Peach Aphid
- Use in rotation with other registered insecticides that have a different mode of action
- DO NOT apply more than two applications of PYRINEX® SUPER per season
- DO NOT apply consecutive applications of PYRINEX® SUPER or insecticides with the same mode of action as PYRINEX® SUPER within or between seasons.

Features and Benefits

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<th>Features</th>
<th>Benefits</th>
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<td>Unique combination of active ingredients for the management of key insect pests in Tomatoes</td>
<td>Two modes of action for knockdown and residual control and a useful Resistance Management tool</td>
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<td>Fast acting for rapid removal of pest populations</td>
<td>Prevention of damage to fruit maximising quality and yield potential</td>
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<td>Short 3 day Withholding period.</td>
<td>Allows a wide use window for applications when required.</td>
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