



# Crown®

A systemic insecticide that works both on contact with target pests and systemically through root and leaf uptake

With Crown, insect pests don't stand a chance. Crown's breakthrough technology in systemic insecticides delivers all the benefits professional growers have hoped for and more. And now, it comes in both a handy 200 mL size as well as the traditional 1 litre.



Crown's chemistry is designed for faster, more effective control of sucking pests and fungus gnat. In fungus gnat trials, Crown outperformed all other formulations trialled!

Crown has been developed for use exclusively in ornamental horticulture and is proven to be highly effective on sucking insects – acting on eggs, larvae and adults.<sup>1</sup>

Test results prove that Crown stands head and shoulders above the rest when it comes to the protection of ornamentals.<sup>2</sup>

### Key features and benefits

- Crown is totally systemic through root and leaf uptake, also acting on contact with target pests
  - 100% knockdown of many target pests within 50 minutes, outperforming competitor products.<sup>3</sup> Crown is fast and long lasting
  - Crown provides effective control at low rates of application
- Crown is relatively soft on many beneficial insects<sup>4</sup> e.g. 300 x less toxic via contact and 2000 x less toxic via oral than its closest competitor on honey bees<sup>5</sup>

### Technical information

| Pack Size    | Formulation                            | Active Constituents   | Mode of Action Group    | Poison Schedule | Code         |
|--------------|--|-----------------------|-------------------------|-----------------|--------------|
| 200 mL<br>1L | Soluble Liquid<br>Systemic Insecticide | 225g/L<br>Acetamiprid | Group 4A<br>Insecticide | S6              | 9071<br>9075 |

### Target pest species

| Pest                | Rate  |
|---------------------|---|
| Rose Aphid          | 11 mL/100L                                      |
| Greenhouse Whitefly | 11-22 mL/100L                                   |
| Silverleaf Whitefly | 11-22 mL/100L                                   |
| Citrus Mealy bug    | 22-44 mL/100L                                   |
| Azalea Lace bug     | 11-16 mL/100L                                   |
| Greenhouse thrips   | 11-16 mL/100L                                   |
| Plague thrips       | 22 mL/100L                                      |
| Psyllids            | 11-22 mL/100L                                   |
| Scale insects*      | 11-22 mL/100L                                   |
| Pulvinaria scale    | 22 mL/100L                                      |
| Leafhoppers         | 11-22 mL/100L                                   |
| Fungus gnat         | Light potting mix – 5-10 mL/10m <sup>2</sup>    |
| Shore fly           | Heavier potting mix – 10-20 mL/10m <sup>2</sup> |

\* Except white wax scale

<sup>1</sup>The target insects of Mospilan® (acetamiprid, NI-25), Nisso Nippon Soda Co., Ltd. Page 40. <sup>2</sup>Agriseach Services Pty Ltd – evaluation of Acetamiprid formulations for the control of fungus gnat in ornamental plant potting mix. One nursery trial in Ferns, Nambour, Queensland, Australia, 2004. Additional Agriseach Services trial results are on file with Scotts Australia. <sup>3</sup>A new strategy for insect control Mospilan® (acetamiprid, NI-25), Nisso Nippon Soda Co., Ltd. Page 11. <sup>4</sup>Public Release Summary on 'Evaluation of the new active Acetamiprid in the new product – Supreme 225 SL insecticide', NRA (National Registration Authority – for Agricultural and Veterinary Chemicals) May 2003. Page 22. <sup>5</sup>Beneficial Insects – Nisso Field Trials Presentation, 2005.

### Puts pests in their place

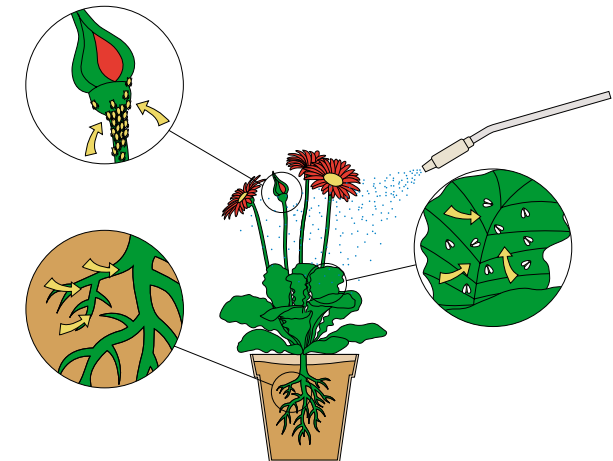
Crown is easy to mix and even easier to apply. For the best results, use Crown in Spring, when your plant begins new growth and insects start to stir.

### Triple action control

Crown works both on contact with the target pests and systemically through root and leaf uptake. The result is faster knockdown for longer.

Additionally, very low concentrations are required for effective control.

Being a new technology formulation, Crown will be useful in rotation with other older insecticides to prevent resistance build-up in the target pest.



- Not available in NZ