

NEW ZEALAND

DANGER

KEEP OUT OF REACH OF CHILDREN



Crown[®] 225SL

Systemic Insecticide

ACTIVE CONSTITUENT:
225g/L ACETAMIPRID
SOLVENTS:
515g/L DIMETHYL SULFOXIDE
334g/L N-METHYL PYRROLIDONE

GROUP 4A INSECTICIDE

For the control of insect pests of ornamental plants and fungus gnat and shore fly in potting mixes as per the Directions For Use Table.

Contents
1 litre



General Instructions

Spray to the point of run off covering both leaf surfaces. Use the higher rate when pest pressure is high, when conditions favour pest development or when increased residual protection is required. Crown 225SL is a contact, systemic and residual INSECTICIDE. It can be used as a protective treatment when applied at regular intervals or as a knockdown treatment to control existing pests. Best results are obtained when Crown 225SL is applied before pest populations build up to damaging levels.

Insecticide Resistance Warning **GROUP 4A INSECTICIDE**

For insecticide resistance management Crown 225SL is a Group 4A insecticide. Some naturally occurring insect biotypes resistant to Crown 225SL and other Group 4A insecticides may exist through normal genetic variability in any insect population. The resistant individuals can eventually dominate the insect population if insecticides are used repeatedly. Since occurrence of resistant individuals is difficult to detect prior to use, Evertis Australia Pty Ltd accepts no liability for any losses that may result from the failure of Crown 225SL to control resistant insects. Crown 225SL may be subject to specific resistance management strategies. For further information contact your local supplier or ICL representative.

Application

Crown 225SL is a water soluble concentrate requiring dilution with water prior to use. Applications should be made with equipment calibrated to deliver a fine spray quality in a suitable volume to ensure thorough coverage of both leaf surfaces. Use suitable application equipment and preferably cone nozzle combinations to deliver appropriate spray volume and a droplet size VMD of 150 to 200 microns. DO NOT apply as a fog or mist. For drench application use a low pressure applicator and ensure run-off does not occur. Crown 225SL Systemic Insecticide must not be applied onto, over or into water. Do not apply on plants likely to be visited by bees or in an area where bees are foraging.

Mixing and Compatibility

Add the required quantity of Crown 225SL to water in the spray tank and mix thoroughly. Crown 225SL is compatible with commonly used fungicides, miticides and insecticides. If in doubt test the mixture before treating large areas.

Phytotoxicity

Tests have shown the product to be safe to a wide range of ornamental plants. However, as not all ornamentals have been tested it is recommended that a small number of plants be tested before treating large areas.

Re-entry period

Do not allow entry into treated areas for 14 days after treatment unless wearing coveralls and chemical resistant gloves.

Protection of wildlife, fish, crustaceans and the environment

DO NOT apply by aerial application. DO NOT apply under weather conditions, or from spraying equipment that may cause spray to drift onto nearby natural streams, rivers or waterways. DO NOT contaminate streams, rivers or waterways with the chemical or used containers.

Protection of livestock

Tests indicate that some beneficial arthropods (ie. transverse ladybirds, parasitic/ telonomid wasps, spiders and predatory mites) may be adversely affected by proposed treatments using Crown 225SL Systemic Insecticide. This may lead to some risk for beneficial organisms and disruption of IPM systems, but populations will generally recover.

Storage, spillage and disposal

Store locked up in closed original containers, in a cool well-ventilated area away from children, animals, food and feedstuffs. Do not store for prolonged periods in direct sunlight. In case of spillage, confine and absorb spilled product with absorbent material such as sand, clay or cat litter. Dispose of waste as indicated below or according to Australian Standard AS2507 – Storage and Handling of Pesticides. Avoid release to the environment. Collect spillage. DO NOT allow spilled product to enter sewers, drains, creeks or any other waterways. Triple or preferably pressure rinse containers before disposal. Add rinsings to spray tank. Do not dispose of undiluted chemicals on site. If recycling, replace cap and return clean containers to recycler or designated collection point. If not recycling, break, crush or puncture and bury empty containers in a local authority landfill. If no landfill is available, bury the containers below 500mm in a disposal pit specifically marked and set up for this purpose clear of waterways, desirable vegetation and tree roots. Empty containers and product should not be burnt.

Record Keeping

Records of use must be kept if Crown 225SL is applied in a place where members of the public may lawfully be present or is likely to enter air or water and leave the place.

Approved Handler

The substance must be under the personal control of an approved handler when the substance is applied in a wide dispersive manner or used by a commercial contractor.

SAFETY DIRECTIONS

Harmful if swallowed. Will irritate the eyes. Avoid contact with eyes. If product gets in eyes, wash it out immediately with water. Wash hands thoroughly after handling. When opening container, preparing spray or using the prepared spray, wear coveralls, chemical resistant gloves and goggles or face shield. After each day's use wash gloves, goggles or face shield and contaminated clothing. Do not eat, drink or smoke when using this product. Rinse mouth if exposed to product.

FIRST AID

Do not breathe spray. If swallowed call a doctor/physician or POISON Information Centre 0800 POISON (0800 764 766) if you feel unwell.

Safety Data Sheet

Further information on this product is contained in a Safety Data Sheet (SDS) available from product suppliers or the manufacturer.

HNSO Classifications:

6.1D (oral), 6.1E (dermal), 6.8A, 6.9B (oral), 9.1A, 9.2C, 9.3B, 9.4C

Direction for use

Situation	Pest	Rate	Critical Comments
Roses	Rose aphid <i>Macrosiphum rosea</i>	11mL/ 100L	Spray to the point of run off covering both leaf surfaces
Gerbera, Fuchsia and other ornamental plants	Greenhouse Whitefly <i>Trialeurodes vaporariorum</i> Silverleaf Whitefly <i>Bemisia argentifolii</i> [syn. <i>B tabaci</i>]	11-22mL/ 100L	Apply at the first sign of pest activity and repeat at intervals of 7-10 days while pest pressure persists. Spray to the point of run off covering both leaf surfaces. Use the higher rate when pest pressure is high, when conditions favour pest development or when increased residual protection is required. More than one spray will be required if eggs are present at the first spraying.
Palms, Orchids and other ornamental plants	Citrus mealy bug <i>Planococcus citri</i>	22-44mL/ 100L	Apply at the first sign of pest activity and repeat at intervals of 7-10 days while pest pressure persists. Two to three sprays may be required to control an existing infestation. Spray to the point of run off covering both leaf surfaces ensuring thorough coverage of wax coated mealy bugs especially in leaf axils and other partly covered areas. Use the higher rate when pest pressure is high, when conditions favour pest development or when increased residual protection is required. Add wetting agent to improve coverage.
Azaleas	Azalea Lace Bug <i>Stephanitis Pyrioides</i>	11-16mL/ 100L	Apply at the first sign of pest activity and repeat at intervals of 4-5 weeks while pest pressure persists. Spray to the point of run off covering both leaf surfaces. Use the higher rate when pest pressure is high.
Azaleas and other Ornamental plants	Greenhouse thrips <i>Heliethrips haemorrhoidalis</i>		
Ornamental plants	Plague thrips <i>Thrips imaginis</i>	22mL/ 100L	Apply at the first sign of pest activity and repeat as required. Sprays at 5-7 day intervals may be required under heavy pest pressure. This product does not control western flower thrips. If spraying fails to control thrips, check identity of the species present and switch to an appropriate registered product.
Lilly Pilly	Psyllids	11-22mL/ 100L	Apply at the first sign of pest activity and repeat at 10-14 day intervals while pest pressure persists. Two or three applications may be required to control an existing infestation. Use the higher rate when insect pressure is high. Spray to the point of run off covering both leaf surfaces.

Situation	Pest	Rate	Critical Comments
Ornamental plants	Scale insects including coffee scale, Nigra scale [not white wax scale]	11-22mL/100L	Apply at the first sign of pest activity and repeat at 14-21 day intervals while pest pressure persists. Use the higher rate when insect pressure is high. Spray to the point of run off covering both leaf surfaces. Do not use on white wax scale.
	Pulvinaria scale	22mL/100L	
Marigolds and other susceptible ornamental plants	Leafhoppers [Jassids] including yellow leafhopper (<i>Zygina zealandica</i>) and vegetable leafhopper (<i>Austroasca viridigrisea</i>)	11-22mL/100L	Apply at the first sign of pest activity and repeat at 10-14 day intervals while pest pressure persists. Spray to the point of run off covering both leaf surfaces.
Ornamental plant potting mixes	Fungus gnat <i>Bradysia spp</i> Shore fly <i>Scatella stagnalis</i>	For lighter peat based potting mixes 5-10mL/10 m ² of pots	Apply as a drench after potting and planting up. Apply in sufficient water to wet the top 5cms of mix [10-20 litres per square metre of pots]. Use the lower rate as a general treatment and the higher rate when heavy pest infestations are expected, for longer control, or where some pot leaching may occur due to regular misting or overhead watering or for heavier potting mixes. Efficacy may be reduced if used in misting chambers. Repeat application in about 6-8 weeks if pest activity reappears.
		For heavier potting mixes [bulk density >0.4] 10-20mL/10 m ² of pots	
NOT TO BE USED FOR ANY PURPOSE OR IN ANY MANNER CONTRARY TO THIS LABEL UNLESS AUTHORISED UNDER APPROPRIATE LEGISLATION. MUST NOT BE USED ON CROPS INTENDED FOR CONSUMPTION BY HUMANS OR ANIMALS.			

DANGER

GHS Hazard Statements

- Harmful if swallowed
- May damage fertility or the unborn child
- May cause damage to organs if ingested
- May be harmful in contact with skin
- Very toxic to aquatic life with long lasting effects
- Harmful to the soil environment
- Toxic to terrestrial vertebrates
- Harmful to terrestrial invertebrates

GHS Precautionary Statements

- Read label before use. Do not handle until all safety precautions have been read and understood.
- Use personal protective equipment as required.
- IF SWALLOWED: call a POISON CENTRE or doctor if you feel unwell.
- Wash hands thoroughly after handling.
- Do not eat, drink or smoke when using this product.
- Rinse mouth if exposed to product.
- Do not breathe spray. If exposed or if you feel unwell call a POISON CENTRE or doctor.
- Avoid release to the environment. Collect spillage. Store locked up.



EMERGENCY INFORMATION PANEL

IN AN EMERGENCY DIAL 111 POLICE FIRE BRIGADE, AMBULANCE	SPECIALIST ADVICE IN EMERGENCY ONLY 24 HOURS PHONE NEW ZEALAND 09 929 1483
Hazchem code 3Z	CONTAIN SPILLAGE

HSNO Approval No: HSR100918



UN No. 3082
**Shipping Name; ENVIRONMENTALLY
HAZARDOUS SUBSTANCE, LIQUID, N.O.S.**
(CONTAINS ACETAMIPRID)
Class: 9
Packing Group: III

Crown® is a registered trademark of Evertis International BV.

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