

Insegar® 250 W

INSECT GROWTH REGULATOR

Active Constituent: 250 g/kg FENOXYCARB

For control of Codling Moth and Lightbrown Apple Moth in Apples and Pears. Aids in control of San José Scale.

GROUP	7B	INSECTICIDE
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APVMA Approval No: 39484/0303

Pack size: 200 g

GENERAL INSTRUCTIONS

Mulch or mow flowering ground cover immediately before spraying of INSEGAR 250 W to minimise hazard to bee hive broods.

Insecticide Resistance Warning

For insecticide resistance management INSEGAR 250 W is a Group 7B insecticide. Some naturally occurring insect biotypes resistant to INSEGAR 250 W and other Group 7B insecticides may exist through normal genetic variability in any insect population. The resistant individuals can eventually dominate the insect population if INSEGAR 250 W or other 7B insecticides are used repeatedly. The effectiveness of INSEGAR 250 W on resistant individuals could be significantly reduced. Since occurrence of resistant individuals is difficult to detect prior to use, Syngenta Crop Protection Pty Limited accepts no liability for any losses that may result from the failure of INSEGAR 250 W to control resistant insects. INSEGAR 250 W may be subject to specific resistance management strategies. For further information contact your local supplier, Syngenta representative or local agricultural department agronomist.

Mixing

Add the required quantity of INSEGAR into a bucket of water. Stir into a cream. Pour the pre-mix into the partly filled spray vat. Stir vigorously with agitators in action while filling vat with water.

Application

Apply by high volume (dilute) sprayer or by concentrate (up to 4 times) sprayer.

Dilute spraying

- For dilute spraying, apply to the point of run-off to ensure thorough coverage of foliage and fruit.
- Use a sprayer designed to apply high volumes of water up to the point of run-off and matched to the crop being sprayed.
- Set up and operate the sprayer to achieve even coverage throughout the crop canopy. Apply sufficient water to cover the crop to the point of run-off. Avoid excessive run-off.
- The required water volume may be determined by applying different test volumes, using different settings on the sprayer, from industry guidelines or advice.
- Add the amount of product specified in the Directions for Use table for each 100 L of water. Spray to the point of run-off.
- The required dilute spray volume will change and the sprayer set up and operation may also need to be changed, as the crop grows.

The following spray volumes (refer table below) are offered as a guide to proper spraying of average sized trees at conventional planting intervals. The same quantity of chemical per hectare should be used when spraying by either the dilute or concentrate method.

Stage apples & pears	Dilute volume per ha (average trees)	Amount of product per ha	
		20 g/100 L	40 g/100 L
Petal fall to first cover spray	2000 to 2500 L	400 to 500 g	800 to 1000 g
Full foliage	2500 to 3500 L	500 to 700 g	1000 to 1400 g

Concentrate spraying

- Use a sprayer designed and set up for concentrate spraying (that is a sprayer which applies water volumes less than those required to reach the point off run off) and matched to the crop being sprayed.
- Set up and operate the sprayer to achieve even coverage throughout the crop canopy using your chosen water volume.
- Determine an appropriate dilute spray volume (See Dilute Spraying above) for the crop canopy. This is needed to calculate the concentrate mixing rate.
- The mixing rate for concentrate spraying can then be calculated in the following way.

EXAMPLE ONLY

- Dilute spray volume as determined above, eg. 2000 L
- Your chosen concentrate spray volume, eg. 1000 L/ha
- The concentration factor in this example is 2 X (ie, $2000 \text{ L} \div 1000 \text{ L} = 2$)
- If the dilute label rate is 20 g/100 L, then the concentrate rate becomes 2×20 , ie 40 g/100 L of concentrate spray.

- The chosen spray volume, amount of product per 100 L of water and the sprayer set up and operation may need to be changed as the crop grows.
- For further information on concentrate spraying users are advised to consult relevant industry guidelines, undertake appropriate competency training and follow industry Best Practices.

Compatibility

INSEGAR® 250 W can be mixed with the following fungicides: Rubigan*, Topas*, Systhane*, Nustar*, Baycor*, Rovral*, Polyram*, mancozeb, Thiovit*Jet, Delan*, and the following insecticides: Dipel*, Apollo*, Torque*, Chlorpyrifos, Omite*. It is not recommended to mix this product with more than one of the above chemicals in the tank. As formulations of other manufacturer's products are beyond the control of Syngenta, all mixtures should be tested prior to mixing commercial quantities.

PROTECTION OF WILDLIFE, FISH, CRUSTACEANS, ENVIRONMENT AND BEES

DO NOT contaminate streams, rivers or waterways with chemical or used containers. DO NOT treat during bloom to prevent contamination of pollen and possible (but rare) effects on the brood of honey bees.

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INTEGRATED PEST MANAGEMENT

INSEGAR 250 W is suitable for use in IPM programs.

STORAGE AND DISPOSAL

Keep out of reach of children. Store in the closed, original container in a dry, cool, well ventilated area out of direct sunlight. Shake empty bag into spray tank. DO NOT dispose of undiluted chemicals on site. Puncture or shred and bury empty containers in a local authority landfill. If no landfill available, bury the containers below 500 mm 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.

SAFETY DIRECTIONS

Avoid contact with eyes and skin. Wash hands after use.

FIRST AID

If poisoning occurs contact a doctor or Poisons Information Centre. Phone 131 126.

MATERIAL SAFETY DATA SHEET

If additional hazard information is required, refer to the Material Safety Data Sheet. For a copy phone 1800 067 108 or visit our website at www.syngenta.com.au

MANUFACTURER'S WARRANTY AND EXCLUSION OF LIABILITY

Syngenta has no control over storage, handling and manner of use of this product. Where this material is not stored, handled or used correctly and in accordance with directions, no express or implied representations or warranties concerning this product (other than non-excludable statutory warranties) will apply. Syngenta accepts no liability for any loss or damage arising from incorrect storage, handling or use.

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DIRECTIONS FOR USE

Crops	Pest	State	Rate	Critical Comments
Apples, Pears	Codling Moth, Lightbrown Apple Moth	All States	Dilute spraying – 20 or 40 g / 100 L water	Commence application 7 to 10 days after full petal fall. Make 3 applications at 7 day intervals at the 20 g/100 L rate. Make a further application 7 days later at the 40 g/100 L rate. All subsequent applications should be at the 40 g/100 L rate at 4 to 6 week intervals depending on moth activity. Thorough coverage is essential. Apply the same total amount of product to the target crop whether applying by dilute or concentrate spraying methods. Pheromone traps may assist in timing of application. INSEGAR will suppress San José Scale when used in a full season schedule against Codling Moth and/or Lightbrown Apple Moth.
	San José Scale	Qld, NSW, Vic, SA, WA, ACT only	Concentrate spraying – Refer to the Mixing / Application section	

NOT TO BE USED FOR ANY PURPOSE, OR IN ANY MANNER, CONTRARY TO THIS LABEL UNLESS AUTHORISED UNDER APPROPRIATE LEGISLATION.

WITHHOLDING PERIOD:

Apples, Pears: DO NOT HARVEST FOR 14 DAYS AFTER APPLICATION.