

CAUTION

KEEP OUT OF REACH OF CHILDREN
READ SAFETY DIRECTIONS BEFORE OPENING OR USING

SINDOR 200SC

INSECTICIDE

ACTIVE CONSTITUENT: 200 g/L IMIDACLOPRID

GROUP 4A INSECTICIDE

For the control of aphids, mirids and brown flea beetle on cotton;
green peach aphid, woolly aphid, grey cabbage aphid and
turnip aphid on crops specified in the directions for use table.

**IMPORTANT:
READ THIS BOOKLET BEFORE
USING THIS PRODUCT**

APVMA APPROVAL
NO: 67781/57399



Sinon Australia Pty Limited ACN 102 741 024
1.03/33 Lexington Drive, Bella Vista NSW 2153
TEL: 02 8883 0239



DIRECTIONS FOR USE

FOLIAR SPRAY APPLICATIONS

CROP	PEST	RATE	WHP
Cotton	Aphids	250 mL/ha + Pulse Penetrant at 0.2% v/v (2 mL/L water) or equivalent organosilicone surfactant (eg Freeway Gold)	13 weeks
	Mirids, Brown flea beetle		
Stone fruit	Green peach aphid Black peach aphid	Dilute spraying 25 mL/100L Concentrate spraying Refer to Mixing/Application section	21 days

CRITICAL COMMENTS

The addition of Pulse Penetrant or equivalent is critical for the performance of Sindor 200 SC Insecticide. Apply early in the establishment of an aphid infestation when numbers are low (ie no more than 1 or 2 leaves per plant with honeydew present). Applications made later than this **may** result in reduced control.

Shorter residual control may be evident and a repeat application of a registered aphicide (follow the Cotton Insecticide Resistance Management Strategy for cotton aphid) may be required to achieve complete control:

- ◆ if applications of Sindor 200 SC Insecticide plus Pulse or equivalent are timed too late (see above); or
- ◆ if existing high density aphid colonies (hotspots) are present; or
- ◆ if aphids have established throughout the plant canopy (especially lower in the canopy); or
- ◆ if there is high reinfestation pressure; or
- ◆ if there is rapid crop growth; or
- ◆ if Sindor 200 SC Insecticide plus Pulse or equivalent is used following a spray-failure (eg resistance to organophosphate or carbamate insecticides).
Note: Where resistance to carbamates or organophosphates is suspected, Sindor 200 SC Insecticide plus Pulse or equivalent should be used first so as not to delay control of the aphids present.

Aphids treated with Sindor 200 SC Insecticide plus Pulse or equivalent may still be present on the plant but will not be feeding. Control of aphids should initially be assessed by a reduction in fresh honeydew and not on the presence of aphids on the plant. After ingesting Sindor 200 SC Insecticide, aphids may take up to 5 days to die.

Apply when pest numbers reach treatment threshold levels as determined by field checks.

Apply at first sign of aphid infestation. Apply as a full cover spray, ensuring thorough coverage. Apply by dilute or concentrate spraying equipment. Apply the same total amount of product to the target crop whether applying this product by dilute or concentrate spraying methods. Do not use in equipment that requires rates greater than 125 mL/100 L of water.

FOLIAR SPRAY APPLICATIONS (continued)

CROP	PEST	RATE	WHP
Apples	Woolly aphid	Chemical control 6 mL/1L water/tree	-
		Beneficial insect plus chemical control (eg <i>Aphelinus mali</i> plus Sinder 200 SC Insecticide) 3 mL/1 L of water/tree	
Cucurbits	Green peach aphid	25 mL/100 L or 300 mL/ha	1 day
Capsicum Egg plant Potato			7 days
Tomato			3 days
Brassicas			7 days
Sweet potato	Silverleaf whitefly, including type B	25 mL/.100 L or 250 mL/ha	7 days
Cucumber			1 day
Egg plant	Melon thrips		7 days
Duboisia	Green peach aphid	25 mL/100 L	

NOT TO BE USED FOR ANY PURPOSE, OR IN ANY MANNER, APPROPRIATE LEGISLATION

WITHHOLDING PERIODS

Apples: NOT REQUIRED WHEN USED AS DIRECTED

Cotton: DO NOT HARVEST FOR 13 WEEKS AFTER APPLICATION
DO NOT GRAZE OR CUT FOR STOCK FOOD

Cucurbits: DO NOT HARVEST FOR 1 DAY AFTER APPLICATION

Tomatoes: DO NOT HARVEST FOR 3 DAYS AFTER APPLICATION

Brassicas, Capsicum, Eggplant, Potatoes, Sweet potatoes:
DO NOT HARVEST FOR 7 DAYS AFTER APPLICATION

CRITICAL COMMENTS

For trees up to 7 years of age.

During late summer or autumn, apple trees with woolly aphid colonies or damage should be identified and marked for treatment the following season. At green tip to petal fall, apply 1 litre of the prepared Sindor 200 SC mixture to moist soil immediately around the base of the tree trunk. Ensure the mixture infiltrates the soil around the trunk and does not run off the soil. Control weeds before application. Do not disturb or remove the soil around the trunk during the season. If aerial colonies are present at application, maximum effectiveness may not be achieved until the following season. Do not treat more than once in any 2 year period.

Apply at first sign of aphid infestation.

Apply at first sign of aphid infestation. Add a wetting agent.

Apply at first sign of whitefly or melon thrips infestation. Apply dilute sprays (25 mL/100 L) to run off. Ensure thorough coverage of underside of leaves. Use of droppers will improve coverage of underside of leaves.

Apply when aphid numbers reach spray threshold levels as determined by regular monitoring. Ensure thorough coverage of all leaves.

CONTRARY TO THIS LABEL UNLESS AUTHORISED UNDER

Stone fruit: DO NOT HARVEST FOR 21 DAYS AFTER APPLICATION

DO NOT graze any treated area, or cut for stock food.

DO NOT feed produce harvested from treated area to animals, including poultry.

GENERAL INSTRUCTIONS

INSECTICIDE RESISTANCE WARNING

GROUP 4A INSECTICIDE

For insecticide resistance management, Sindor 200 SC Insecticide is a Group 4A insecticide. Some naturally occurring insect biotypes resistant to Sindor 200 SC Insecticide 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 Sindor 200 SC Insecticide and other Group 4A insecticides are used repeatedly. The effectiveness of Sindor 200 SC Insecticide on resistant individuals could be significantly reduced. Since occurrence of resistant individuals is difficult to detect prior to use, Sinon Australia Pty Limited accepts no liability for any losses that may result from the failure of Sindor 200 SC Insecticide to control resistant insects. Sindor 200 SC Insecticide may be subject to specific resistance management strategies. For further information contact your local supplier, Sinon representative or local agricultural department agronomist.

RESISTANCE MANAGEMENT STRATEGY

Cotton aphid in cotton

Contact your local supplier or Sinon representative.

Green peach aphid in various crops:

Contact your local supplier or Sinon representative. Also available at web site www.croplife.org.au

Aphids, whitefly and melon thrips in various crops

Do not apply Sindor 200 SC Insecticide (or other group 4A insecticides) in consecutive sprays within and between seasons. Rotate with registered insecticides from other mode of action groups.

Confined environments such as glasshouses:

Annuals – Do not apply more than one spray of Sindor 200 SC Insecticide (or other group 4A insecticides) to any one crop.

Perennials – Rotate with registered insecticides from other groups. Use a maximum of three Sindor 200 SC Insecticide (or other group 4A insecticide) sprays in any 12 month period.

MIXING/APPLICATION

Prior to pouring, shake container vigorously, then add the required quantity of Sindor 200 SC Insecticide to water in the spray vat while stirring or with agitators in motion.

Special Instructions for Stone Fruit

Dilute Spraying

- 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 expert 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.

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 of 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

1. Dilute spray volume as determined above: For example 1500 L/ha
 2. Your chosen concentrate spray volume: For example 500 L/ha
 3. The concentration factor in this example is: $3X$ (ie $1500\text{ L} \div 500\text{ L} = 3$)
 4. As the dilute label rate is 25 mL/100 L for stone fruit, then the concentrate rate becomes 3×25 , that is 75 mL/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.
 - Do not use a concentrate rate higher than that specified in the Critical Comments.
 - For further information on concentrate spraying, users are advised to consult relevant industry guidelines, undertake appropriate competency training and follow industry Best Practices.

Application (Cotton)

Thorough coverage of cotton plants is essential to achieve maximum performance from Sindor 200 SC Insecticide plus Pulse. Equipment should be calibrated to achieve a minimum of 60 droplets/cm² on the target foliage. A droplet Volume Median Diameter (VMD) for optimum performance from Sindor 200 SC Insecticide plus Pulse is dependent on equipment and is defined below. Do not apply when unfavourable environmental conditions may reduce the quality of spray coverage.

Ground Application (Cotton)

Application using ground equipment should be made using hollow cone nozzles with a minimum spray volume of 100 L/ha. Hollow cone nozzles are recommended but if flat fan nozzles are used, higher water volumes will be required and nozzles should be configured to ensure thorough coverage. A droplet VMD of 150 – 180 microns must be used. Where multiple nozzles per row are used, they should be of the same specification to ensure that each nozzle contributes an equal proportion of the required dose. Where multiple nozzles per row are used (particularly for banded applications) ensure the correct nozzle overlap pattern is achieved on the target foliage. Banded applications less than 100% are not recommended beyond the 15 node crop stage.

Aerial Application (Cotton)

Apply in a minimum spray volume of 25 L/ha. A droplet VMD of 120 -150 microns must be used. Do not exaggerate swath width or exceed a swath width of 20 to 22 m. Do not apply Sindor 200 SC Insecticide plus Pulse using Ultra Low Volume (ULV) methods. The use of large droplet placement equipment is not recommended.

Export of Treated Produce

Growers should note that MRLs or import tolerances do not exist in all markets for edible produce treated with Sindor 200 SC Insecticide. If you are growing edible produce for export, please check with Sinon for the latest information on MRLs and import tolerances before using Sindor 200 SC Insecticide.

COMPATIBILITY

Sindor 200 SC Insecticide 200 SC is compatible with Antracol, Baycor, Nitofol. Do not mix concentrates together but add each to the spray tank separately. As formulations of other manufacturers' products are beyond the control of Sinon, all mixtures should be tested prior to mixing commercial quantities. As changes in climatic conditions can alter the sensitivity of plants to mixtures of sprays, Sinon cannot be responsible for the behaviour of such mixtures.

PROTECTION OF LIVESTOCK

Dangerous to bees. DO NOT spray any plants in flower while bees are foraging.
DO NOT graze any treated area, or cut for stock food.
DO NOT feed produce harvested from treated area to animals, including poultry.

PROTECTION OF WILDLIFE, FISH, CRUSTACEANS AND ENVIRONMENT

DO NOT contaminate streams, rivers or waterways with the chemical or used containers. A spraydrift minimization strategy should be employed at all times when aerially applying sprays. The strategy envisaged is exemplified by the cotton industry's Best Management Practices Manual.

STORAGE AND DISPOSAL

Store in the closed original container in a cool, dry, well-ventilated area. Do not store for prolonged periods in direct sunlight.

This container can be recycled if it is clean, dry, free of visible residues and has the **drumMUSTER** logo visible. Triple or preferably pressure rinse containers before disposal. Dispose of rinsate by adding it to the spray tank. DO NOT dispose of undiluted chemical on site. Wash outside of the container and the cap. Store cleaned container in a sheltered place with cap removed. It will then be acceptable for recycling at any **drumMUSTER** collection point or similar container management program site. The cap should not be replaced but may be taken separately.

If not recycling, break, crush, or puncture and deliver empty packaging to an approved waste management facility. If an approved waste management facility is not available,

bury the empty packaging 500mm below the surface in a disposal pit specifically marked and set up for this purpose clear of waterways, desirable vegetation and tree roots, in compliance with relevant Local, State or Territory government regulations. DO NOT burn empty containers or product.

For REFILLABLE containers (110L): Empty contents fully into application equipment. Close all valves and return to point of supply for refill or storage.

SAFETY DIRECTIONS

Harmful if swallowed. May irritate the eyes and skin. Repeated exposure may cause allergic disorders. Avoid contact with eyes and skin. Wash hands after use. When preparing product for use, wear cotton overalls buttoned to the neck and wrist and a washable hat, elbow-length PVC gloves and goggles. After each day's use, wash gloves, goggles and contaminated clothing.

FIRST AID

If poisoning occurs contact a doctor or Poisons Information Centre Phone Australia: 13 11 26.

SAFETY DATA SHEET

Additional information is listed in the Safety Data Sheet (SDS), which is available from the supplier.

NOTICE TO BUYER

Seller warrants that the product conforms to its chemical description and is reasonably fit for the purpose stated on the label when used in accordance with directions under normal conditions of use. No warranty of merchantability for a particular purpose, express or implied, extends to the use of the product contrary to label instructions, or under abnormal conditions.

**IN A TRANSPORT EMERGENCY
DIAL 000
POLICE OR FIRE BRIGADE**

