

POISON

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



ACTIVE CONSTITUENT :
50 g/L CYCLANILIPROLE
SOLVENT:
659 g/L DIMETHYLSULFOXIDE

GROUP 28 INSECTICIDE

For the control of codling moth in apples, as per the Directions for Use

 **Nufarm**
Grow a better tomorrow

DIRECTIONS FOR USE**RESTRAINTS**

DO NOT apply by aircraft.

DO NOT apply if heavy rains or storms that are likely to cause runoff are forecast within 3 days.

DO NOT irrigate to the point of runoff for at least 3 days after application.

DO NOT apply more than 1.6 L product per hectare at a time.

SPRAY DRIFT RESTRAINTS

DO NOT apply when wind speed is less than 3 or more than 20 kilometres per hour, as measured at the application site.

DO NOT apply during surface temperature inversion conditions at the application site.

DO NOT direct the spray above trees or vines during airblast applications. **TURN OFF** outward pointing nozzles at row ends and outer rows during airblast applications.

DO NOT apply with spray droplets smaller than a **MEDIUM** spray droplet size category according to nozzle manufacturers' specifications that refer to the ASAE S572 Standard or the BCPC Guideline.

Users of this product **MUST** make an accurate written record of the details of each spray application within 24 hours following application, and must **KEEP** this record for at least 2 years. The spray application details that must be recorded are:

1. date with start and finish times of application;
2. location address and paddock(s) sprayed;
3. full name of this product;
4. amount of product used per hectare and number of hectares applied to;
5. crop or situation and weed or pest;
6. wind speed and direction during application;
7. air temperature and relative humidity during application;
8. nozzle brand, type, spray angle, nozzle capacity and spray system pressure measured during application;
9. name and address of person applying this product. (Additional record details may be required by the state or territory where this product is used.)

MANDATORY NO-SPRAY ZONES:

No-spray zones for protection of the aquatic environment

DO NOT apply if there are aquatic and wetland areas including aquacultural ponds, surface streams and rivers within 30 metres downwind from the application area.

No-spray Zone for Protection of International Trade

DO NOT apply when there are livestock, pasture or any land that is producing feed for livestock within 20 metres downwind from the application area.

CROP	PEST	RATE	WHP	CRITICAL COMMENTS
Apples	Codling moth (<i>Cydia pomonella</i>)	Dilute Spray: 60-80 mL/100L water Concentrate spray: Refer to Application, Apples section	28 days	Thorough coverage is essential to achieve best results. Select a spray volume appropriate for the size of trees and density of foliage. For best results apply 1500-2000 litres of water per hectare. Codling Moth Use the high rate of 80 mL/100 L for heavy infestations, and the low rate of 60 mL/100L for mild infestations. Make first application just prior to or at the beginning of egg hatch. Applications typically provide 10-14 days of protection. Use pheromone trap catches and local degree day-based spray timing advisories to determine the development of each codling moth generation. For effective resistance management make applications of TEPPAN® 50SL in one codling moth generation before rotating to an insecticide with a different mode of action (Non- Group 28) in the next generation. Make no more than 2 applications/crop with a 10 day minimum interval between treatments.

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

WITHHOLDING PERIODS

**APPLES: DO NOT HARVEST FOR 28 DAYS AFTER APPLICATION
DO NOT ALLOW LIVESTOCK TO GRAZE TREATED ORCHARDS OR CUT FOR STOCKFOOD**

Export of treated produce

Growers should note that suitable MRLs or import tolerances **DO NOT** exist in all markets for produce treated with Teppan® 50SL Insecticide. In some situations, export requirements may be met by limiting application number and/or imposing a longer withholding period than specified above. If you are growing produce for export, please check with Nufarm Australia Limited or your industry body for the latest information on any potential trade issues and their management before using Teppan® 50SL Insecticide.

GENERAL INSTRUCTIONS**Integrated Pest Management**

Toxic to beneficial arthropods. In-crop residues are expected to be safe for beneficial arthropods 56 days after the last application. Minimise spray drift to reduce harmful effects on beneficial arthropods in non-crop areas.

Mixing

Add the required amount of Teppan® 50SL Insecticide to clean water in half filled spray tank with the agitator or by-pass in operation. Maintain agitation while filling tank with remainder of water. Agitation must also be maintained throughout the spray operation.

Application

To be effective Teppan® 50SL Insecticide requires thorough spray coverage. Ensure that equipment is properly calibrated to give an even distribution at the correct volume. Thorough coverage of the target area is essential. Apply in sufficient water, and using suitable application parameters (nozzles, pressure, boom height, speed, etc) to ensure thorough and even coverage. Use only MEDIUM spray droplets according to ASAE S572 definition for standard nozzles. Adjust water volumes according to the crop growth stage.

Apples: The same quantity of Teppan® 50SL Insecticide per hectare should be used when spraying by either the dilute or concentrate method.

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 Teppan® 50SL Insecticide 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 runoff) and matched to the crop being sprayed. Apply a minimum of 500 L water/ha. 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, 1000 L/ha
2. Your chosen concentrate spray volume: for example, 500 L/ha
3. The concentrate factor in this example is 2X (i.e. $1000 \text{ L} \div 500 \text{ L} = 2$)
4. If the dilute label rate is 14 g/100 L, then the concentrate rate becomes 2×14 , which is 28 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.

INSECTICIDE RESISTANCE WARNING

GROUP	28	INSECTICIDE
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For insecticide resistance management, Teppan® 50SL Insecticide is a Group 28 insecticide. Some naturally occurring insect biotypes resistant to Teppan® 50SL Insecticide and other Group 28 insecticides may exist through normal genetic variability in any insect population. The resistant individuals can eventually dominate the insect population if Teppan® 50SL Insecticide and other Group 28 insecticides are used repeatedly. The effectiveness of Teppan® 50SL Insecticide on resistant individuals could be significantly reduced. Since occurrence of resistant individuals is difficult to detect prior to use, Nufarm Australia Limited accepts no liability for any losses that may result from the failure of Teppan® 50SL Insecticide to control resistant insects. Teppan® 50SL Insecticide may be subject to specific resistance management strategies. For further information contact your local supplier, Nufarm Australia Limited representative or local agricultural department agronomist.

COMPATIBILITY

For information on the compatibility of Teppan® 50SL Insecticide with other products, contact your local Nufarm Australia Limited representative.

PROTECTION OF LIVESTOCK

DO NOT graze or feed treated crops to animals.

PROTECTION OF HONEY BEES AND OTHER INSECT POLLINATORS

Toxic to bees. **DO NOT** apply when the crop is in bloom. **DO NOT** spray while bees are actively foraging. **DO NOT** allow spray drift to flowering weeds or flowering crops in the vicinity of the treatment area. Before spraying, notify beekeepers to move hives to a safe location with an untreated source of nectar and pollen, if there is a potential for managed hive to be exposed to the spray or spray drift.

PROTECTION OF WILDLIFE, FISH, CRUSTACEANS AND ENVIRONMENT

Very toxic to aquatic life. **DO NOT** contaminate wetlands or watercourses with this product or used containers.

PROTECTION OF CROPS, NATIVE AND OTHER NON-TARGET PLANTS

DO NOT apply under weather conditions, or from spraying equipment that may cause drift onto nearby plants/crops, cropping lands or pastures.

STORAGE AND DISPOSAL

Store in the closed, original container in a cool, well ventilated area. **DO NOT** store for prolonged periods in direct sunlight.

Non-refillable containers

Triple 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 deliver empty packaging to an approved waste management facility. If an approved waste management facility is not available, bury the empty packaging 500 mm 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.

Refillable containers

Empty contents fully into application equipment. Close all valves and return to designated collection point for refill or storage.

SAFETY DIRECTIONS

May irritate the eyes. Avoid contact with eyes. Wash hands after use.

FIRST AID

If poisoning occurs, contact a doctor or Poisons Information Centre. Phone Australia 131 126; New Zealand 0800 764 766. If swallowed, **DO NOT** induce vomiting. If in eyes wash out immediately with water. If in eyes, hold eyes open, flood with water for at least 15 minutes and see a doctor.

ADDITIONAL STATEMENTS (WHS REGULATIONS 2011)

Not required - product not classified as hazardous under GHS criteria.

SAFETY DATA SHEET

For further information refer to the Safety Data Sheet (SDS) which can be obtained from your supplier or from the Nufarm website – nufarm.com.au

In case of emergency: Phone 1800 033 498 Ask for shift supervisor. Toll free 24 hours.

CONDITIONS OF SALE

*Any provisions or rights under the Competition and Consumer Act 2010 or relevant state legislation which cannot be excluded by those statutes or by law are not intended to be excluded by these conditions of sale. Subject to the foregoing, all warranties, conditions, rights and remedies, expressed or implied under common law, statute or otherwise, in relation to the sale, supply, use or application of this product, are excluded. Nufarm Australia Limited and/or its affiliates

("Nufarm") shall not accept any liability whatsoever (including consequential loss), or howsoever arising (including negligence) for any damage, injury or death connected with the sale, supply, use or application of this product except for liability which cannot be excluded by statute."

Registered to and manufactured by:



Ishihara Sangyo Kaisha, Ltd.
3-15, Edobori 1-chome, Nishi-ku,
Osaka 550-0002, Japan
Tel: +81-6-6444-7154
iskweb.co.jp

Distributed by:



Nufarm

Nufarm Australia Limited
103-105 Pipe Road
Laverton North Victoria 3026
Tel: (03) 9282 1000
nufarm.com.au

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