

Cyd-X[®]

BIOLOGICAL INSECTICIDE

Active Constituent: 0.7 g/L *Cydia pomonella* GRANU
LOSIS VIRUS (equivalent to 3 x 10¹³
viral occlusion bodies (OBs) per litre)

Poison Schedule: **Unscheduled**

APVMA Approval No: **66706**

An insecticidal virus product for the control of Codling moth larvae

Pack Size:
300mL (8 x 300mL per carton)
1L (6 x 1L per carton)

Dangerous Goods Class:
Not classified as a dangerous good under the Australian Code
for Transport and Storage of Dangerous Goods in Australia.

Directions for Use

Restrains

DO NOT apply within 48 hours of expected precipitation or during heavy rainfall.

DO NOT disturb soil for 48 hours after application.

DO NOT apply if there is a native forest downwind from the application area and within the mandatory no-spray zones shown in Table 1.

DO NOT apply if there are aquatic or wetland areas including aquacultural ponds downwind from the application area and within the mandatory no-spray zones in Table 1.

- DIRECTIONS FOR USE TABLE STARTS ON NEXT PAGE -

Table 1: No-Spray Zones for Protection of the Terrestrial and Aquatic Environments		
FOR GROUND APPLICATION		
Wind Speed Range at Time of Application	Application Rate	Distance Downwind of Orchard
3 to 20 km/hr	10 mL/100L and a maximum of 150 mL/ha in sufficient water to obtain thorough coverage and up to 8 sprays per annum.	60 metres
	10-30 mL/100L and a maximum of 450 mL/ha in sufficient water to obtain thorough coverage and up to 8 sprays per annum.	140 metres

CROP/SITUATION	PEST	RATE (L/ha)	CRITICAL COMMENTS
Apples and pears	Codling moth (<i>Cydia pomonella</i>)	10 mL to 30 mL per 100 Litres water 150 – 450 mL per hectare in sufficient water to obtain thorough coverage. PLUS 50 mL Filmstar-21 per 100L	Apply 2 - 4 applications per larval generation. Apply first application at 0-5% egg hatch (115–140 degree days after biofix). Apply second application 7-14 days later OR at peak egg hatch then apply subsequent applications at 7-14 day intervals as needed. The lower rates should be used under low to medium pressure when monitoring traps show Codling moth populations are low to moderate. Increase the rate to 30 mL per 100 L when monitoring indicates high Codling moth pressures.

NOT TO BE USED FOR ANY PURPOSE, OR IN ANY MANNER CONTRARY TO THIS LABEL,
UNLESS AUTHORISED UNDER APPROPRIATE LEGISLATION.
WITHHOLDING PERIOD: NOT REQUIRED WHEN USED AS DIRECTED.

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General Instructions

CAMPBELL CYD-X BIOLOGICAL INSECTICIDE contains an insecticidal baculovirus (*Cydia pomonella* granulovirus) that is specific to larvae of the codling moth (*Cydia pomonella*). Because of this specificity, CAMPBELL CYD-X BIOLOGICAL INSECTICIDE provides a unique opportunity for biological control of codling moth without harmful effects on humans, domestic animals, wildlife, beneficial insects and plants.

CAMPBELL CYD-X BIOLOGICAL INSECTICIDE must be ingested by larvae in order to be effective. Death occurs 3 to 7 days after ingestion of CAMPBELL CYD-X BIOLOGICAL INSECTICIDE. Death may occur more quickly at higher temperatures.

Time of application

The first application of CAMPBELL CYD-X BIOLOGICAL INSECTICIDE should be made at 0 to 5% egg hatch of codling moth larvae (115–140 degree days after 'biofix'). This is normally four weeks after large catches of moths are recorded in codling moth pheromone traps around the time of petal fall. Repeat applications of CAMPBELL CYD-X BIOLOGICAL INSECTICIDE at 7-14 day intervals while the risk of codling moth is present.

Mixing

Use non-chlorinated water with a pH near 7.0. Shake container well before use. If necessary, use a buffer or acidifying agent to achieve the required pH.

Part fill the spray tank with water then add the required amount of CAMPBELL CYD-X BIOLOGICAL INSECTICIDE. Top up with water to required volume. Do not allow spray mixture to stand overnight.

Maintain agitation during mixing and application.

Application

Use equipment set up to provide even coverage over fruit and foliage. For dilute application, spraying to point of run-off is recommended. A minimum water volume of 500 L/ha is recommended to ensure thorough coverage of the crop. Avoid spraying beyond the point of run-off.

Compatibility

CAMPBELL CYD-X BIOLOGICAL INSECTICIDE is compatible with most insecticides and fungicides. DO NOT apply as a tank mix with, or within 7 days of application of alkaline products such as cupric hydroxide, lime sulphur or Bordeaux mixtures as they may impair efficacy.

STORAGE AND DISPOSAL

Storage: Keep out of reach of children. Store in the closed original container in a cool, dry and ventilated place and out of direct sunlight. CAMPBELL CYD-X BIOLOGICAL INSECTICIDE should not be kept at temperatures greater than 25°C. Longer term storage requires refrigeration (4°C or less).

If stored frozen, product should be allowed to thaw in a refrigerator or at ambient temperature below 25°C. Do not microwave or heat to thaw the product.

Disposal: 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 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

May irritate the eyes and skin. Repeated exposure may cause allergic disorders. Avoid contact with eyes and skin. When opening the container and preparing spray, wear elbow-length chemical resistant gloves and goggles or safety glasses. Wash hands after use.

FIRST AID

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

MSDS

Additional information is listed in the Material Safety Data Sheet which can be obtained from the supplier.

CONDITIONS OF SALE

Agricultural, horticultural and pastoral preparations in their application involve varying factors such as differing conditions, soil, climate and methods of application over which the vendor does not have control, Whilst Colin Campbell (Chemicals) Pty. Ltd believes that all goods sold by it are true to label and are effective and safe for purpose indicated the company and the seller hereby expressly negate and exclude any express or implied condition, statement or warranty, statutory or otherwise, as to quality or fitness of any goods sold for any purpose or purposes whatsoever except such warranties and conditions, if any, as are implied by the Trade Practices Act 1974 (Commonwealth). The company and the seller accept no responsibility for any loss, harm or damage whatsoever suffered from the use of such goods for any purpose or purposes irrespective of whether or not the buyer was acting in reliance upon the advice recommendation or representation of the seller or any representative agent of employee of the company as to such use except in respect of breaches of conditions and warranties, if any, implied by the Trade practices Act and in respect of such breaches the liability of the company and the seller shall be limited to the replacement of the goods or the supply of equivalent goods, or the payment of the cost of replacing the goods.

THIS PRODUCT IS NOT A DANGEROUS GOOD FOR TRANSPORT AND STORAGE IN AUSTRALIA.

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