

BASE LABEL

55 mm

Grandex® Biological Insecticide ACTIVE CONSTITUENT: 3 X 10<sup>13</sup> granula /L CYDIA POMONELLA GRANULOSIS VIRUS strain V22 (CpGV-V22)  
**DIRECTIONS FOR USE SPRAY DRIFT RESTRAINTS - DO NOT** apply within 48 hours of expected precipitation or during heavy rainfall. **DO NOT** disturb soil for 48 hours after application. **ONLY APPLY** with orchard application spray equipment. **DO NOT** apply when wind speed is less than 3 or more than 20 km per hour as measured at the application site. **DO NOT** apply during surface temperature inversion conditions at the application site. Uses of this product **MUST make an accurate written record** of the details of each spray application within 24 hours following application and **KEEP this record for a minimum of 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/5 sprayset; (3) full name of this product; (4) amount of product used per hectare and number of hectares applied to; (5) crop/situation and 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. **DO NOT** apply when there are native forests, aquatic and wetland areas including aquacultural ponds or surface streams and rivers downwind from the application area and within the mandatory no-spray zone shown below.  
**MANDATORY NO-SPRAY ZONE - DO NOT** apply when there are native forests, aquatic and wetland areas including aquacultural ponds or surface streams and rivers within 40 m downwind from the application area.  
**SAFETY DIRECTIONS** May irritate the eyes and skin. Repeated exposure may cause allergic disorders. Avoid contact with the eyes and skin. When opening the container and preparing the 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 (Ph. 131126).  
**FOR EMERGENCIES ONLY, CALL: AUSTRALIA 1800 033 111**  
**STORAGE AND DISPOSAL** Keep out of reach of children. Store in the closed, original container out of direct sunlight. The product can be stored for short periods (14 days) at room temperature. For long term storage (2 years from DOM) keep refrigerated at less than 5°C. 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 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.

Crop Pest	Rate (L/ha)	Critical Comments
Pome fruit Codling moth (Cydia pomonella) Oriental fruit moth (Grapholita molesta)	7 mL / 100L (100 mL/ha)	Use 100 mL Grandex® in 1500 - 2000 litres of water per hectare. High volumes will be required in older orchards with large trees to obtain proper coverage of fruit. Apply as a dilute spray to the point of runoff. Grandex® mixes readily with water. Timing of applications is critical to ensure larvae are exposed to sufficient concentration of the virus. Make the first application from petal fall onwards when newly hatched Codling moth and Oriental fruit moth larvae are present in the orchard. This should be based on pheromone trap catches of Codling moths in orchards. Larvae will be present within 4 weeks of moth catches. Alternatively, use the appropriate amount of 'degree days' for your area to determine egg hatch as recommended by your local advisor. Apply at 7 to 14 day intervals while Codling moth larvae and Oriental fruit moth are present. Use the shorter interval during periods of high sunlight intensity (long sunny days). Most areas of Australia will have 3 or more generations per season and so it is important to monitor for each generation. For areas where there is considerable generational overlap, regular applications will be required for maximum effect.
Stone fruit Oriental fruit moth (Grapholita molesta)	7 mL / 100L (100 mL/ha)	Use 100 mL Grandex® in 1500 - 2000 litres of water per hectare. High volumes will be required in older orchards with large trees to obtain proper coverage of fruit. Apply as a dilute spray to the point of runoff. Grandex® mixes readily with water. Timing of applications is critical to ensure larvae are exposed to sufficient concentration of the virus. Make the first application when newly hatched Oriental fruit moth larvae are present in the orchard. This should be based on pheromone trap catches of Oriental fruit moths in orchards. Apply at 7 to 14 day intervals while Oriental fruit moth larvae are present. Use the shorter interval during periods of high sunlight intensity (long sunny days).

**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.  
**ORGANIC CROP PROTECTANTS** 1956 Dandenong Road, Clayton VIC 3168.  
**Telephone: 1800 634 204 (Free Call)** ocp.com.au

Y20-3411

155 mm

175 mm

TOP LABEL

55 mm

175 mm

READ SAFETY DIRECTIONS BEFORE OPENING OR USING

 Organic Crop Protectants

**GRANDEX®** BIOLOGICAL INSECTICIDE

ACTIVE CONSTITUENT: 3 X 10<sup>13</sup> granula /L CYDIA POMONELLA GRANULOSIS VIRUS strain V22 (CpGV-V22)  
 A BIOLOGICAL AGENT TO CONTROL CODLING MOTH AND ORIENTAL FRUIT MOTH IN POME AND STONE FRUITS  
 IMPORTANT: READ PRODUCT INFORMATION UNDER LABEL BEFORE USE

80% Magnification Barcode  
 9336099556656

Y20-3105

CONTENT 1 L

ORGANIC CROP PROTECTANTS  
 1956 Dandenong Road, Clayton VIC 3168  
 Telephone: 1800 634 204 (Free Call)  
 ocp.com.au

Input for Organic Production  
 ACO CERT. NO. 222

LIFT HERE FOR FURTHER PRODUCT INFORMATION

INNER PAGES

53 mm

155 mm

**GENERAL INSTRUCTIONS** Where heavy infestations of Codling moth or Oriental fruit moth are present in orchards, young larvae can still cause considerable damage on the surface of the fruits, before being killed by the virus. Correct application of Grandex® will result in high mortality of larvae in even high density populations. If used to treat all generations in consecutive seasons, especially over large areas, large reductions in Codling moth and Oriental fruit moth populations will be achieved. Grandex® should be used as part of an integrated pest management strategy. Other compatible methods such as pheromone mating disruption dispensers can be used to reduce the population to levels where damage can be better managed by Grandex®. To assist in reducing migration of mated female moths into the treated area, it is highly advisable to clean up any accessible areas where refuges of untreated moths may be harbouring, e.g. fruit trees not receiving any pesticide treatment to control larvae, packing sheds or any areas with fruit that could contain Codling moth or Oriental fruit moth larvae.

**MIXING** Grandex® mixes readily with water for application.

**COMPATIBILITY** Do not mix with pesticides that have a pH of less than 5.0 or greater than 8.5 in solution as the virus may be deactivated.

**PROTECTION OF WILDLIFE, FISH, CRUSTACEANS AND ENVIRONMENT** DO NOT contaminate streams, rivers or waterways with this product or used containers.

**STORAGE AND DISPOSAL** Keep out of reach of children. Store in the closed, original container out of direct sunlight. The product can be stored for short periods (14 days) at room temperature. For long term storage (2 years from DOM) keep refrigerated at less than 5°C. 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 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.

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**SAFETY DATA SHEET** Additional information is listed in the Safety Data Sheet which can be obtained from the supplier and ocp.com.au.

**CONDITIONS OF SUPPLY** This product must be used in accordance with the directions. The user must monitor the performance of the product as climatic, geographical or biological variability and/or developed resistance may affect the results obtained.

Grandex is a registered trade mark of Andermatt Biocontrol AG.  
 The OCP drop device is a trade mark of Organic Crop Protectants.  
 APVMA Approval Number: 69674/61414  
 Expiry: 2 years from DOM when stored at less than 5°C.

Y20-3412



Job	OCP554_Grandex_1L Label	Version
Size	175mm x 55mm	
Colours	Barcode % 00% Spot   	Process Flexo Lytho Gravure Offset 12/08/20