

ECOTOXIC



Prodigy™

INSECTICIDE

ACTIVE INGREDIENT: Contains 240g/litre methoxyfenozide in the form of a suspension concentrate.

GROUP 18 INSECTICIDE

A target specific insecticide for the control of codling moth on pipfruit and leafrollers on avocados, blueberries, grapes, kiwifruit, stone fruit and pipfruit.

READ THIS LABEL COMPLETELY BEFORE MIXING OR APPLYING

Dow AgroSciences (NZ) Ltd

89 Paritutu Road, Private Bag 2017, New Plymouth 4342

www.corteva.co.nz

Telephone 0800 803 939

HAZARD CLASSIFICATION: 9.1B, 9.4A

APPROVED HANDLER

This product must be under the personal control of an approved handler when:

- a) applied in a wide dispersive manner; or
- b) used by a commercial contractor.

RECORD KEEPING

Records of use, as described in relevant HSNO Act regulations and the New Zealand Standard for the Management of Agrichemicals (NZS8409), must be kept if more than 3L of **PRODIGY** is applied, or discharged within 24 hours in a place where members of the public may be present or where the substance may enter air or water and leave the place.

ECOTOXICITY

VERY TOXIC TO AQUATIC ORGANISMS. **DO NOT** contaminate an aquatic environment with chemical or empty container. **DO NOT** spray over, or allow to drift over, an aquatic environment.

INSECTICIDE - VERY TOXIC TO SOME INSECTS. Certain insects may be killed from contact with this product. **DO NOT** allow drift outside the target area to occur.

**HANDLING PRECAUTIONS
EQUIPMENT**

Apply using accurately calibrated and maintained equipment in accordance with the New Zealand Standard for the Management of Agrichemicals (NZS8409).

STORAGE

Store in original container tightly closed and in a locked, dry, cool, well-ventilated area, away from foodstuffs. Storage must be generally in accordance with the New Zealand Standard for the Management of Agrichemicals (NZS8409).

Stores containing more than 100L of **PRODIGY** (or substances of the same hazard class) are subject to signage and those containing more than 1,000L require bunding. See the Hazardous Substances Emergency Management Regulations 35 – 41 and the New Zealand Standard for the Management of Agrichemicals (NZS8409) for further information.

PERSONAL PROTECTION

When mixing or applying wear eye protection, cotton overalls buttoned to the neck and wrist, gloves made of a chemically resistant material such as rubber, polyethylene or polyvinyl chloride and waterproof boots.

DO NOT eat, drink or smoke while using. Remove protective clothing immediately after handling this product and wash hands and face before meals and after work.

SPILLAGE

DO NOT touch or walk through spilled material. Wear the protective equipment recommended above. Stop leak when safe to do so. Dam area and prevent entry into waterways and drains. **Small spills/leaks:** Contain and absorb small spills with a proprietary absorbent suitable for chemical spills or inert material such as sand, soil or sawdust. Collect spilled product and place in sealable

container for disposal. Spill residues may be cleaned using water and detergent. Contain and absorb wash water for disposal. Absorb and collect washings and place in the same sealable container for disposal. **Large spills/leaks:** Dam the area off and report them to Corteva Agriscience Emergency Services at 0800 844 455.

DISPOSAL

Triple rinse empty container and add rinsate to spray tank. Triple rinsed containers containing the Agrecovery logo on the label and that are free of all residues (liquid and dry) and have an intact legible label should be taken to an **Agrecovery** collection site. Otherwise crush and bury in a suitably approved landfill. **DO NOT** burn empty containers.

Dispose of this product only by using according to the label, via Agrecovery (visit www.agrecovery.co.nz or call 0800 AGRECOVERY (247 326) for information about the type and quantity of chemical acceptable for disposal), or at an approved landfill. **DO NOT** burn.

Dispose of unused spray mix and equipment cleaning water onto non-grazed and non-cropped ground away from edible and flowering plants.

DO NOT dispose of this product; spray mix or equipment cleaning water down drains or sewers.

FIRST AID

If swallowed **DO NOT** induce vomiting. For advice contact the National Poisons Centre 0800 POISON (0800 764 766) or a doctor immediately. If splashed in eyes, wash out immediately with water. If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water.

SAFETY DATA SHEET

A Safety Data Sheet for **PRODIGY** is available from Corteva Agriscience on request. Call Customer Service Toll Free on 0800 803 939 or visit www.corteva.co.nz.

TRANSPORT

No restrictions on carriage of this product on a passenger service vehicle.

RE-ENTRY

DO NOT allow entry into treated areas until the spray has dried. If prior entry is necessary, wear cotton overalls buttoned to the neck and wrist (or equivalent clothing) and waterproof gloves. Clothing must be laundered after each day's use.

NOTICE

Important: You **must** read the warning and conditions given on this label. If they are not acceptable, or if you are in doubt as to the proper handling of this product (including its transport, storage, use, disposal and requirements for approved handlers [if applicable]) then return the unopened product to the supplier at once.

Warning: This product is subject to controls and could be hazardous if handled incorrectly. The **user is responsible** for ensuring that the handling of this product is in accordance with the law (including the *Hazardous Substances and New Organisms Act 1996* and the *Agricultural Compounds and Veterinary Medicines Act 1997*) and with the directions provided. The Registrant declines all liability (whether in contract, tort (including but not limited to negligence), or otherwise) to the maximum extent permitted by law in relation to the handling of this product in a manner which is contrary to the directions given or to any applicable Acts, Regulations or Guidelines.

Further information regarding the applicable Acts, Regulations and Guidelines for the proper handling of this product may be obtained by contacting EPA New Zealand (www.epa.govt.nz) or the Ministry for Primary Industries (MPI) (www.foodsafety.govt.nz).

This product is warranted to contain the specified active ingredients within accepted analytical tolerance when packed.

APPLICATION METHOD

Use either:

- a sprayer designed to apply high volumes of water up to the point of run-off and matched to the crop being sprayed; or
- 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.

Cleaning the spray equipment:

Rinsing

- After using **PRODIGY** empty the spray unit completely and drain the whole system. Thoroughly wash inside the unit using a pressure hose. Drain the spray unit, and clean any filters in the tank, pump, lines, hoses and nozzles.
- After cleaning the spray unit as above, quarter fill with clean water and circulate through the pump, lines, hoses and nozzles. Drain and repeat the rinsing procedure twice.
- Discard rinse water on land already sprayed or on waste land away from desirable plants and water sources.

Using the spray equipment:

The following application situations must use spray equipment in accordance with the New Zealand Standard for the Management of Agrichemicals (NZS8409).

MIXING

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

RAINFALL

DO NOT apply if rain or overhead irrigation is expected within 6 hours.

COMPATIBILITY AND MIXING

PRODIGY is incompatible with mineral spray oils. **DO NOT** mix concentrates together but add each to the spray tank separately. As formulations of other manufacturers' products are beyond the control of Corteva Agriscience, 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, Corteva Agriscience cannot be responsible for the behaviour of such mixtures.

WITHHOLDING PERIODS:

It is an offence for users of this product to cause residues exceeding the relevant MRL in the Food Notice: Maximum Residue Limits for Agricultural Compounds.

- Avocados - 14 days (Consult your exporter for WHPs for export markets).
- Blueberries - 7 days (Consult your exporter for WHPs for export markets).
- Grapes - **DO NOT** apply after 80% capfall
- Kiwifruit - 120 days
- Pipfruit - 14 days (Consult your exporter for WHPs for export markets).
- Stone fruit - 14 days (Consult your exporter for WHPs for export markets).

GRAZING RESTRICTION

The following restrictions on the use of this product **must** be observed. **DO NOT** feed treated crops or pasture to stock other than sheep used for leaf plucking in vineyards. Take care not to allow this product to drift onto pasture or crops that may be grazed. **DO NOT** graze stock in orchards which have been treated with **PRODIGY**.

VINEYARDS: DO NOT graze stock other than sheep in vineyards which have been treated with **PRODIGY**. Sheep may be grazed in vineyards for the purpose of leaf plucking providing they are not slaughtered for 2 months after leaving the vineyard.

RESISTANCE MANAGEMENT **GROUP 18 INSECTICIDE**

PRODIGY is a diacylhydrazine insecticide (Group 18). Some naturally occurring individual insects may become resistant when excessive use of the same insecticide occurs. To maximize the effectiveness of insecticides, products containing alternate modes of action should be used in the spray program. Consult <http://resistance.nzpps.org/> for alternate modes of action and the details of resistance management strategies (if any) for the crops listed on the label.

DIRECTIONS FOR USE

It is an offence to use this product on animals.

Monitor treated areas closely to check for other pests. Consult field advisors to identify alternative or additive treatments when non-target pests are expected. **PRODIGY** is a new generation Moulting Accelerating Compound (MAC) insecticide which induces premature moulting in caterpillars. Feeding damage stops within 24 hours but insect death may take several days.

PRODIGY can be used in Integrated Pest Management (IPM) programmes and can be applied over flowering where appropriate under the directions for use.

The rates suggested are for high volume spraying to run-off. For concentrate spraying adjust dilution rate accordingly. Thorough coverage of plants is essential for control of pests.

CROP	PEST	APPLICATION RATE
Pipfruit (apples and pears)	Codling Moth, Leafrollers	For high volume spraying apply 37.5 mL/100L of water and apply at 2000 L water per hectare. For concentrate spraying adjust accordingly. DO NOT apply PRODIGY at less than 750 mL/ha.
Avocado	Leafrollers (including Light Brown Apple Moth)	Apply 25 mL/100L to full coverage (point of runoff) with a minimum dose of 500 mL/ha. For mature trees and water rates greater than 2000 L/ha, maintain the rates of 25 mL/100L.
Blueberries		For high volume spraying apply 25 mL/100L of water. The product should be applied thoroughly to ensure complete coverage using dilute spraying equipment at 1000 L water per hectare.
Grapes		Apply 15-25 mL/100L to full coverage. DO NOT apply PRODIGY at less than 150 mL/ha under moderate pest pressure and 250 mL/ha under severe pest pressure.

APPLICATION TIMING
Apply every 14 days as part of an IPM program commencing at petal fall and re-apply when thresholds are exceeded. DO NOT apply more than four applications in any one season.
Apply at 3 to 4 week intervals from flowering as part of a season long leafroller spray programme. DO NOT apply more than four applications in any one season.
Apply at not less than 7 days intervals. DO NOT apply more than three applications per season.
Apply a single application at 80% capfall. If pest pressure remains high at pre-bunch closure, apply an alternative product such as Success™ Naturalyte™ Insect Control.

CROP	PEST	APPLICATION RATE
Kiwifruit	Leafrollers (including Light Brown Apple Moth)	Apply 15-25 mL/100L to full coverage. DO NOT apply PRODIGY at less than 300 mL/ha under moderate pest pressure and 500 mL/ha under severe pest pressure.
Stone fruit		For high volume spraying apply 25 mL/100L water and apply at 2000 L water per hectare. For concentrate spraying adjust accordingly. DO NOT apply PRODIGY at less than 500 mL/ha.

APPLICATION TIMING
Apply at pre-bloom or at late flowering followed by 2 further applications at 14 day intervals.
Apply at not less than 14 days intervals commencing at petal fall. Re-apply when thresholds are exceeded. DO NOT apply more than four applications in any one season.

Registered pursuant to the ACVM Act 1997 No. P7154
See www.foodsafety.govt.nz for registration conditions.

Approved pursuant to HSNO Act 1996, EPA Approval Code HSR000130
See www.epa.govt.nz for approval controls.

Registered to:

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EMERGENCY RESPONSE

(All hours)

Ring from anywhere in New Zealand

0800 844 455 or

Globally +64 6 751 2407

**IN A TRANSPORT EMERGENCY
DIAL 111
FOR POLICE OR FIRE**

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