

READ SAFETY DIRECTIONS BEFORE OPENING OR USING



Dow AgroSciences

Prodigy™

Insecticide

ACTIVE CONSTITUENT: 240 g/L METHOXYFENOZIDE

GROUP 18 INSECTICIDE

For the control of lightbrown apple moth on apples & pears (pome fruit), blueberries, citrus, grapevines and kiwifruit; and for the control of various other lepidopteran pests of almonds, apples & pears (pome fruit), avocado, coffee, custard apple, egg plant, longan, lychee, peppers (capsicum and chilli), okra, macadamia and tomatoes as specified in the Directions for Use.

SHAKE WELL BEFORE USE.

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Dow AgroSciences

DIRECTIONS FOR USE

RESTRAINTS

DO NOT apply if rain or overhead irrigation is expected within 6 hours. Retain the first flush of irrigation tailwater/storm water in the tailwater dam after application.

DO NOT use more than 3 sprays per season in any single crop.

DO NOT use in covered or protected situations such as glasshouses, greenhouses, shade houses or plastic tunnels.

DO NOT apply by air.

DO NOT apply more than three times to any Almond crop.

DO NOT apply more than once at the hull split stage.

USE ON TREE AND VINE CROPS

In the following table, all rates given are for **dilute spraying**. For **concentrate spraying**, refer to the **MIXING/APPLICATION** section. 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. For concentrate spraying, **DO NOT** use at rates greater than 5 times the dilute spraying rate.

| CROP | PEST | RATE/100 L | CRITICAL COMMENTS |
|---|---|---------------|--|
| Almonds | Carob moth (1 st generation) | 80mL + Wetter | Practice good orchard hygiene with the removal of mummified fruit in winter. <u>Early post-flower application:</u> At the beginning of the season (Aug-Sept), carefully monitor pheromone traps for peak adult pest incidence of 1 st generation. Once regular field scouting indicates egg laying and newly hatched larvae apply a maximum of 3 sprays of Prodigy at a minimum of 10 day intervals between sprays. Apply to complete coverage. Refer to WETTING AGENTS in the GENERAL INSTRUCTIONS section for more information |
| | Carob moth (2 nd generation) | | <u>Hull-split application:</u> Prodigy should be applied at the start of hull split (2-5% of the almond hull sutures open). Carefully monitor pheromone traps for peak activity of 2 nd generation moths. Continue field scouting for egg-laying activity, and apply Prodigy to coincide with the initiation of egg hatch. Apply to ensure complete coverage of all foliage and fruit (hull/shell) surfaces. Concentrate spraying is not appropriate for this pest. Do not apply less than 2000 L/ha water. |
| Apples and pears (and other pome fruit) | Lightbrown apple moth | 25 mL | For control of the spring generation of lightbrown apple moth, commence spraying at petal fall and apply in a series of 3 applications at 14 day intervals. Alternatively, in areas where a later summer generation occurs, spray when moth activity is indicated by pheromone traps or lure pots. Apply a minimum of 2 sprays with a 21 day interval. Ensure thorough coverage of developing fruit clusters. When insect pressure is high in blocks with large, vase-shaped trees and with short-stemmed, bunchy varieties, Prodigy must be applied by dilute spraying to ensure run-off into fruit clusters. |
| | Loopers | | Control of these pests is best achieved using a schedule of 3 sprays of Prodigy in spring (see above). |
| Avocado | Avocado leafroller | 25 mL | Crop monitoring is recommended from pre-bloom. Apply at first sign of pest incidence and target eggs and newly hatched larvae. Additional sprays may be required if re-infestation occurs. |
| Blueberry | Lightbrown apple moth | 25 mL | Thorough coverage of the plant is essential. Target eggs and newly hatched larvae. Apply when locally determined thresholds are exceeded. |



USE ON TREE AND VINE CROPS *CONTINUED*

In the following table, all rates given are for **dilute spraying**. For **concentrate spraying**, refer to the **MIXING/APPLICATION** section. 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. For concentrate spraying, **DO NOT** use at rates greater than 5 times the dilute spraying rate.

| CROP | PEST | RATE/100 L | CRITICAL COMMENTS |
|------------------|------------------------------|--|--|
| Citrus | Lightbrown apple moth | 25 mL + a wetting agent at 10 mL / 100 L | Use with high volume spraying equipment only. Thorough coverage is essential. Spray to runoff. Apply when eggs and very small larvae are first seen in flower clusters or developing fruitlets. A second spray may be required 2-3 weeks later if larvae hatch over an extended period. |
| Coffee | Avocado leafroller | 25 mL | Crop monitoring for pest incidence is recommended from pre-bloom. Apply at first sign of pest incidence, targeting eggs and very small larvae before they are protected in retreats. Additional sprays may be required if re-infestation occurs. |
| Custard apple | Yellow peach moth | 25 mL | Apply when locally determined pest thresholds are exceeded as indicated by field checks. Additional sprays may be required if re-infestation occurs. Spray to thoroughly cover fruit. |
| Grapevines | Lightbrown apple moth | 25 mL | Thorough leaf tip and bunch coverage is essential. Spring generation: Apply from pre-flowering onwards targeting eggs and small (5-6 mm long) larvae (up to 3rd instar). Apply a second spray 14 - 21 days later. Summer generation: Apply at first sign of activity targeting eggs and larvae up to 5-6 mm long (up to 3rd instar). The summer generation can only be detected by monitoring. |
| Kiwifruit | Lightbrown apple moth | 25 mL | Monitor pest activity from bud burst onwards. Target sprays at eggs and first instar larvae. |
| Longan Lychee | Macadamia nutborer | 40 mL | Spray thoroughly when pest numbers reach economic threshold levels according to field checks. Target sprays against eggs and early instar larvae. |
| Macadamia | Macadamia flower caterpillar | 25 mL | Monitor for eggs and very small larvae on flowers and apply at a threshold of 50-80% of racemes infested. |
| | Macadamia nutborer | 40 mL | Spray to thoroughly cover nuts when pest numbers reach economic threshold levels according to field checks. Target sprays against eggs and early instar larvae. |

USE ON NON-TREE AND VINE CROPS

Note: Prodigy is a moult-accelerating insecticide that requires ingestion for control. Feeding ceases almost immediately after ingestion. Larvae in protected feeding sites (eg. flowers) will not be controlled. Mortality of larvae will not be evident until 4-6 days after application.

| CROP | PEST | RATE | CRITICAL COMMENTS |
|---|--|--|--|
| Tomatoes, Peppers (capsicum and chilli), Egg plant and Okra | Native budworm Tomato grub Cluster caterpillar | 125 or 170 mL/100 L or 1.25 or 1.7 L/ha | Use the higher rate under heavy egg pressure. Apply Prodigy to brown eggs or at egg hatch when pest numbers reach treatment threshold levels as determined by field checks. Maintain field checks and reapply after 7 days if necessary. Ensure thorough coverage of plants. |

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



WITHHOLDING PERIOD

Almond: **DO NOT APPLY WITHIN 7 DAYS OF HARVEST.**

Avocado, Coffee, Custard Apple, Kiwi fruit, Lychee and Pome Fruit: **DO NOT HARVEST FOR 14 DAYS AFTER APPLICATION.**

Blueberry: **DO NOT HARVEST FOR 7 DAYS AFTER APPLICATION.**

Citrus fruits: **DO NOT HARVEST FOR 1 DAY AFTER APPLICATION.**

Grapes (for domestic consumption): **DO NOT HARVEST FOR 21 DAYS AFTER APPLICATION.**

Grapes (for export or wine production): **Consult your winery, industry spray diary or peak industry body for the recommended withholding period (export harvest interval) required to meet export residue requirements.**

Longan: **DO NOT HARVEST FOR 3 DAYS AFTER APPLICATION.**

Macadamia: **DO NOT HARVEST FOR 28 DAYS AFTER APPLICATION.**

Tomato, Peppers (Capsicum and Chilli), Eggplant and Okra: **NOT REQUIRED WHEN USED AS DIRECTED.**

NOTE – CROPS INTENDED FOR EXPORT: Prodigy Insecticide may leave detectable chemical residues in harvested produce. Overseas markets may not have appropriate residue tolerances in place or may have established tolerances which are lower than Australian maximum residue limits. Some crops for export to these destinations may require a longer harvest withholding period. If you plan to use this product on crops destined for export, please check with your exporter before using Prodigy Insecticide.

GRAZING WITHHOLDING PERIOD

All crops, orchards, plantations and vineyards:

DO NOT graze treated crops.

DO NOT allow livestock to graze within treated orchards, plantations or vineyards.

Grapes, blueberries and coffee:

DO NOT apply when there are livestock, pasture or any land that is producing feed for livestock within 5 m downwind of the application area.

Tomato, peppers, egg-plants and okra:

DO NOT apply when there are livestock, pasture or any land that is producing feed for livestock within 15 m downwind of the application area.

GENERAL INSTRUCTIONS

Prodigy Insecticide is very suitable for use in orchards and vineyards using integrated pest management (IPM) programs.

mixing commercial quantities. As changes in climatic conditions can alter the sensitivity of plants to mixtures of sprays, Dow AgroSciences cannot be responsible for the behaviour of such mixtures.

INSECTICIDE RESISTANCE WARNING

GROUP 18 INSECTICIDE

For insecticide resistance management, Prodigy Insecticide is a Group 18 insecticide. Some naturally occurring insect biotypes resistant to Prodigy and other Group 18 insecticides may exist through normal genetic variability in any insect population. The resistant individuals can eventually dominate the insect population if Prodigy and other Group 18 insecticides are used repeatedly. The effectiveness of Prodigy on resistant individuals could be significantly reduced. Since occurrence of resistant individuals is difficult to detect prior to use, Dow AgroSciences Australia Limited accepts no liability for any losses that may result from the failure of Prodigy to control resistant insects. Prodigy may be subject to specific resistance management strategies. For further information contact your local supplier, Dow AgroSciences representative or local agricultural department agronomist.

WETTING AGENTS

Not all surfactants or crop oils are of equal quality.

Dow AgroSciences does not support the use of alternative products other than those listed below.

Agral¹ Spray adjuvant, Nufarm Chemwet 1000.

If intending to use other wetting agents consult Dow AgroSciences.

MIXING/APPLICATION

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.

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 change as the crop grows.

COMPATIBILITY

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 Dow AgroSciences Australia Limited, all mixtures should be tested prior to

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
(i.e. $1500 \text{ L} \div 500 \text{ L} = 3$)
4. If the dilute label rate is 25 mL/100 L, then the concentrate rate becomes 3×25 , that is; 75 mL/100 L of concentrate spray.

The chosen spray volume 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.

PRECAUTIONS

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 chemical resistant gloves. Clothing must be laundered after each day's use.

PROTECTION OF LIVESTOCK

Low hazard to bees. May be applied on plants at any time. Keep livestock out of operational areas during treatment. Avoid spray drift onto adjoining properties or stock areas.

PROTECTION OF WILDLIFE, FISH, CRUSTACEANS AND ENVIRONMENT

Toxic to aquatic life with long lasting effects.

DO NOT spray across open bodies of water.

DO NOT apply under meteorological conditions or from spraying equipment which could be expected to cause spray to drift onto adjacent areas, particularly wetlands, waterbodies or watercourses.

DO NOT contaminate wetlands or watercourses with this product or used containers.

STORAGE AND DISPOSAL

Keep Out of Reach of Children.

Store in the closed, original container in a cool, well ventilated area.

DO NOT store for prolonged periods in direct sunlight.

DO NOT store near food, feedstuffs, fertilisers or seed.

This container can be recycled if it is clean, dry, free of visible residues and has the **drumMUSTER** logo visible. Triple or pressure rinse container for disposal. Dispose of rinsate by adding to the spray tank. Do not dispose of undiluted chemicals 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 or similar container management site. The cap should not be replaced but may be taken separately. If not recycling, break, crush or puncture and deliver empty packaging for appropriate disposal 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.

SPILL AND LEAK MANAGEMENT

DO NOT touch or walk through spilled material. Wear a face shield or goggles, overalls buttoned to neck and wrist, chemical resistant gloves and footwear. Stop leak when safe to do so. Dam area and prevent entry into waterways and drains.

Small spills/leaks: Absorb with 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. Dam the area of large spills and report them to Dow AgroSciences Emergency Services at 1-800 033 882.

SAFETY DIRECTIONS

- When opening the container, preparing the spray and using the prepared spray, wear cotton overalls buttoned to neck and wrist (or equivalent clothing) and elbow-length chemical resistant gloves.
- After each day's use, wash gloves and contaminated clothing.

FIRST AID

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

MATERIAL SAFETY DATA SHEET

Additional information is listed in the Material Safety Data Sheet for **PRODIGY™ INSECTICIDE**, which is available from Dow AgroSciences on request. Call Customer Service Toll Free on 1-800 700 096 or visit www.dowagrosciences.com.au

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APVMA Approval No: 61605/100302

**EMERGENCY RESPONSE
(ALL HOURS)
RING FROM ANYWHERE
IN AUSTRALIA
1-800 033 882
(LOCAL CALL FEE ONLY)**

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



This product is GHS compliant. No additional GHS hazard and precautionary statements are required under the WorkSafe Australia exemptions for AgVet products.



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