



OptiMOL[®]

Biological Insecticide Optimiser

ACTIVE CONSTITUENTS: 600 g/L SUGARS
175 g/L PETROLEUM OIL

**An adjuvant to enhance the performance
of Vivus[®] Max *Helicoverpa* Biocontrol and
Vivus Armigen[®] *Helicoverpa* Biocontrol**

Contents: 20 Litres

AgBiTech

Manufactured by: AgBiTech Pty Ltd
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DIRECTIONS FOR USE

Insecticide Being Used*	Application Volume	Optimal Rate
Vivus Max	Less than 100 L/ha	1 L/ha
Vivus Armigen	Greater than 100 L/ha	2 L/ha**

* Always read the insecticide label before use

** Higher rates can be used if required

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

WITHOLDING PERIOD: NOT REQUIRED WHEN USED AS DIRECTED

PRODUCT DESCRIPTION

Optimol is a blend of molasses (containing sucrose and inverted sucrose), sucrose and mineral oil designed to optimise the performance of the biological insecticide Vivus Max and Vivus Armigen. It has no insecticidal properties on its own but when mixed with Vivus Max or Vivus Armigen can provide improved spray coverage, along with higher mortality, increased residual control and faster speed of kill of *Helicoverpa* spp. larvae.

GENERAL INSTRUCTIONS

Optimol should be used to enhance the performance of Vivus Max and Vivus Armigen where required. Maximum control with these products will primarily be achieved by closely following their label directions. Optimol may enhance performance of Vivus Max and Vivus Armigen under certain conditions, including:

- In low volume aerial application in sorghum (minimum 10 L/ha)
- Application during cooler conditions (<18°C) that may cause reduced larval activity and feeding (typical in winter crops such as chickpeas)
- High UV light conditions
- Hot, dry conditions during spraying that can cause droplet evaporation (where application cannot be delayed until conditions improve)
- When targeting high larval numbers or larvae at the larger end of the recommended size spectrum for Vivus Max and Vivus Armigen (7 to 13 mm in length)
- Alkaline or unfavourable plant chemistry (as for cotton and pulses)

Optimol is thought to work in three key ways:

1. Improved spray coverage; this occurs from the oil component providing reduced droplet evaporation and improved droplet/plant contact
2. Increased initial uptake and infection; the sugars may act as a feeding stimulant and are also effective in separating virus particles - thereby increasing the number of infective units on the plant. Optimol may also alter the gut chemistry of feeding caterpillars, thereby increasing the activity of stomach acting biological insecticides
3. Improved residual activity; the sugars and oil combine to provide a more suitable micro-climate for biological insecticides on the plant surface, through acidification by the sugars, and the oil acting as an anti-oxidant and providing some UV protection

Mixing: Shake the container well before use. Follow the mixing instructions on the Vivus Max and Vivus Armigen labels. Add the required amount of Optimol after mixing the insecticide in the spray tank.

Application: Follow application directions on the Vivus Max and Vivus Armigen labels.

Compatibility: Refer to the compatibility guidelines on the Vivus Max and Vivus Armigen labels.

In water: Optimol is highly compatible with the majority of pesticides and fertilisers when mixed in water.

In ULV: For ULV application in oil, a three way mix of carrier oil, Vivus Max or Vivus Armigen and Optimol is suitable for application using micronair nozzles. DO NOT mix other pesticides in this three way mixture.

PROTECTION OF WILDLIFE, FISH, CRUSTACEANS AND ENVIRONMENT

Do not contaminate streams, rivers or watercourses with the product, including via run-off, spray drift or disposal of used containers.

STORAGE AND DISPOSAL

KEEP OUT OF REACH OF CHILDREN

Storage: Store in the closed, original container in a cool, well-ventilated area. Do not store for prolonged periods in direct sunlight.

Disposal: Triple-rinse containers before disposal. Add rinsings to spray tank. DO NOT dispose of undiluted product 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 500mm 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 container or packaging.

FIRST AID

If poisoning occurs contact a doctor or Poisons Information Centre (Ph. 131 126).

If swallowed, DO NOT induce vomiting.

SAFETY DATA SHEET

Additional information is listed in the Safety Data Sheet.

EXCLUSION OF LIABILITY

This product as supplied is of a high grade and suitable for the purpose for which it is expressly intended and must be used according to the directions contained in this label. The user must monitor the performance of the product as climatic, geographical or biological variables may affect the results obtained. AgBiTech Pty Ltd accepts no responsibility in respect of this product except for those non-excludable statutory warranties implied by the Trade Practices Act or any State or Federal legislation.

Manufactured and distributed by:



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