

HITMAN †

SOAP INSECTICIDE

Product Overview

Hitman Soap is fast acting organic insecticide, known to be highly effective against soft bodied pests such as Aphid, Thrips, Mealybug, Whitefly and also Mites in many horticulture crops.

Hitman contains potassium salts of fatty acids derived from natural oils, and is approved for use in organic crops with no withholding period.



Long Tailed Mealybug
Pseudococcus longispinus

Product Description



Green Peach Aphids
Myzus persicae

Modes of actions include dehydration, Cytolysis and Suffocation

- ❑ A direct contact and coverage insecticide for certain soft bodied pests
- ❑ Containing 285 g/L Potassium Salts of Fatty Acids
- ❑ Fast Acting
- ❑ No Withholding Period
- ❑ Approved as an Organic Farm Input
- ❑ Suitable for use in Integrated Pest Management programs
- ❑ Biodegradable with low vertebrates and mammalian toxicity
- ❑ Suitable as an adjuvant to enhance performance of certain agricultural products

Product Use Summary

Hitman is a contact insecticide that is most effective when used in the following ways;

- Target pests are sprayed when first observed, before numbers increase to high levels
- Do not apply Hitman when the temperature is above 32°C and sun is shining brightly on plants
- Use clean, low hardness water (< 300ppm CaCO₃) and good agitation maintained while spraying
- Ensure spray is applied so that the insects are directly contacted and covered thoroughly
- Ensure coverage on the underneath of leaves is important for many insects
- Hitman work best when remaining as a liquid on the leaves for the maximum amount of time. Early morning or late evening are preferred spray times in slow drying conditions (Delta T of 2—8)
- Insects walking across the dried residue of Hitman will not be harmed
- 3 applications applied 5-7 days apart may assist in controlling re-infestation or increasing pest populations
- The spray is used promptly after mixing (do not store in spray tank for extended periods or overnight)
- Antifoam may be required depending on spray water quality, concentration of Hitman used and agitation
- Hitman may enhance the performance of other agricultural products due to its surface active properties
- Compatibility and phytotoxicity should be checked on a small scale first and subject to the other product labels
- Hitman should normally be added last to a tank mix



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Attributes

Hitman is registered to assist controlling the following pests; Aphids, Thrips, Mealybug, Two Spotted Mite, Spider Mite, Whitefly on a wide variety of outdoor crops

- ❑ Hitman is an Australian Organic Registered Farm Input
- ❑ Plants may be sensitive to Hitman depending upon several factors including; environmental conditions, especially temperature, plant vigour, cultivar, growth stage, the frequency of applications, volume & concentration of sprays; other agricultural products used in the spray mix or in prior applications
- ❑ Hitman can be re-applied after 5 –7 days
- ❑ If unsure of the compatibility or crop safety of Hitman, either by itself or in a tank mix with other agricultural products, mix up a small amount & test by application to a small area before making up spray tank quantities and using it on a full scale basis

IPM

Hitman can be used as part of an Integrated Pest Management (IPM) program due to these attributes;

- ❑ Approved for organic situations, No withholding period
- ❑ Is safe to beneficial insects, once dry
- ❑ Biodegradable with low toxicity to vertebrates
- ❑ Multiple modes of action reduces potential for development of pest resistance
- ❑ Manufactured according to a quality management system for consistent and reliable performance.

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The Company

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Suggestions for use

Always follow the directions for use on product labels

- ❑ Pest control is enhanced when Hitman is used in a preventative program at the high registered rate (3.0% v/v)
- ❑ When used in Integrated Pest Management Programs, it is recommended to use Hitman at the lower registered rate (1.5% v/v) to minimize harm to beneficial organisms
- ❑ Hitman may not be suitable for use on delicate ferns, mosses, flowers or plants that are under stress (hot >30°C, humid, moisture deficient) or new foliage is present
- ❑ Hitman is not compatible with or on plants within 3 days of Sulphur products applications (plus other liquid fertilisers)
- ❑ Minimise the potential for the spray to collect at the base of fruit such as; grape, pear, apple, orange, nectarine etc
- ❑ Hitman is suitable for application through most types of spray equipment
- ❑ Do not apply through any type of irrigation system

General Specifications

| | |
|-------------------------|-------------------|
| Appearance | Clear Pale Liquid |
| Colour | 2 Gardner |
| Specific Gravity (20°C) | 1.02 - 1.04 g/ml |
| pH (2%) | approx. 10 |



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