Success™ Naturalyte™ Insect Control

Controls pests in fruit, vines, vegetables and fodder brassicas

READ THE LABEL COMPLETELY BEFORE MIXING OR APPLYING

ACTIVE INGREDIENT: Contains 120 g/litre spinosad in the form of a suspension concentrate.

CONTENTS: 1L, 5L

ECOTOXIC
Keep out of reach of children

@™ Trademark of The Dow Chemical Company (“Dow”) or an affiliated company of Dow
**HAZARD CLASSIFICATION**
6.9B, 9.1A, 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 the relevant HSNO regulations and the New Zealand Standard for the Management of Agrichemicals (NZS8409), must be kept if more than 3L of Success™ Naturalyte™ Insect Control 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.

**TOXICITY**
MAY CAUSE ORGAN DAMAGE FROM REPEATED ORAL EXPOSURE AT HIGH DOSES. 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.

**ECOTOXICITY**
VERY TOXIC TO AQUATIC ORGANISMS WITH LONG LASTING EFFECTS. Do not contaminate an aquatic environment with chemical or empty container. DO NOT spray over or allow drift over, an aquatic environment.

Dangerous to bees. Avoid direct application or drift of the spray mix onto bees. Once the spray deposit has dried, foraging bees will not be affected.

**HANDLING PRECAUTIONS**

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

Flush equipment thoroughly with clean water after use according to Cleaning Spray Equipment instructions below. Dispose of cleaning water according to the disposal instructions below.

**STORAGE**
Store in the original container tightly closed and in a locked, dry, cool, well ventilated area, well away from ignition sources and foodstuffs.

Stores containing 100L or more of Success Naturalyte Insect Control require bunding and are signage. See the Hazardous Substances Emergency Management and Identification Regulations and the New Zealand Standard for the Management of Agrichemicals (NZS8409) for further information.

Storage must be generally in accordance with the New Zealand Standard for the Management of Agrichemicals (NZS8409).

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

**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:** Absorb with 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 Dow AgroSciences 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 may be taken to an Agrecovery collection site. Otherwise crush or puncture and bury in a suitably approved landfill. Do not burn empty containers.

Dispose of the 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 is available from Dow AgroSciences on request. Call Customer Service Toll Free on 0800 803 939 or visit www.dowagrosciences.co.nz.

**TRANSPORT**

This product may be carried on a passenger service vehicle, providing the Dangerous Goods requirements are complied with.

**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.
Registered to: Dow AgroSciences (NZ) Ltd
89 Paritutu Road
Private Bag 2017
New Plymouth 4342
Telephone 0800 803 939
www.dowagrosciences.co.nz

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

Registered pursuant to the ACVM Act 1997, No P5237.
See www.foodsafety.govt.nz for registration conditions.

Approved pursuant to HSNO Act 1996, EPA Approval Code HSR000714
See www.epa.govt.nz for approval controls.

Shipping Name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (SPINOSAD) Marine Pollutant
UN Number: 3082
Packing Group: III
HAZCHEM 2X

Date of Manufacture: Batch No. Barcode
APPLICATION METHODS
Success Naturalyte Insect Control can be applied with conventional spraying equipment. Flush equipment thoroughly with clean water after use.

**Boom spraying:** Use a minimum 200 L/ha water applied as a medium quality spray as defined by the British Crop Protection Council (BCPC) system or the American Society of Agricultural Engineers (ASAE - S572).

**IMPORTANT:** In order to select the appropriate nozzles for the required spray quality and to operate the equipment to minimize spray drift, this product must be applied in accordance with the New Zealand Standard for the Management of Agrichemicals (NZS 8409).

**Cleaning spray equipment:**

**Rinsing**
After using Success Naturalyte Insect Control:

- Empty the spray tank completely and drain the whole system. Thoroughly wash inside the unit using a pressure hose. Drain 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 the water through the pump, lines, hoses and nozzles. Drain and repeat the rinsing procedure twice.
- Discard rinse water on land already sprayed or on wasteland away from desirable plants and water sources.

**MIXING:**
Pour the required quantity of Success Naturalyte Insect Control into the partly filled spray tank and then add the remainder of the water, agitating thoroughly during filling. Agitate thoroughly during spraying and before spraying after a stoppage.

**STORAGE OF DILUTED SPRAY MIX:**
Whenever possible use spray mix immediately after it is prepared. However, when weather conditions prevent immediate use, the spray mix may be stored for up to 72 hours without loss of activity. The spray mix must be stored out of direct sunlight.

**RAINFASTNESS:**
Avoid applications when rain is expected within 6 hours of spraying.

**IMPORTANT - RESISTANCE MANAGEMENT:**

Success Naturalyte Insect Control is a spinosyn insecticide (Group 5). 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. Read the label below and consult [http://resistance.nzpps.org/](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.

Resistance to this product may develop from excessive use. To minimise this risk use strictly in accordance with label instructions.
Success Naturalyte Insect Control has a unique mode of action and controls pest species that are resistant to conventional insecticides. To help prevent the development of resistance **DO NOT** apply more than 4 applications of Success Naturalyte Insect Control to any crop in any one season. Use insecticides from a different chemical group if more than 4 applications are required.

**Brassicas** – to minimise the development of insect resistance, refer to the Diamondback Moth Resistance Management Strategy for the appropriate application timing window.

**Potatoes** - to minimise the development of resistance, do not apply more than 4 applications in any one season. Do not use Success Naturalyte Insect Control exclusively all season.

**COMPATIBILITY**

Success Naturalyte Insect Control is compatible with most other commonly used pesticides including lime sulphur.

Latron™ B-1956 has a history of safe use on nectarines. Do not use other adjuvants with Success Naturalyte Insect Control unless known to be safe.

**POLLINATORS:**

When applied during non-foraging periods Success Naturalyte Insect Control will not interfere with the activity of honey bees once the spray has dried. At least 3 hours drying time should occur before bee foraging is expected. At times when bees aggregate in large numbers outside the hive, ensure they are not directly contacted by the spray.

**WITHHOLDING PERIODS**

It is an offence for users of this product to cause residues exceeding the relevant MRL in the New Zealand (Maximum Residues Limits of Agricultural Compounds) Food Standards.

**Pipfruit, Avocados, Vegetable Brassicas and Tomatoes:** 3 days.
**Citrus, and Kiwifruit:** 14 days
**Grapes:** 42 days
**Potatoes:** 7 days
**Stonefruit:** 1 day

Note: Refer to export industry withholding period charts for export produce.

**GRAZING RESTRICTION:**

**FODDER BRASSICAS:** Do **not** allow livestock to graze treated crop or foliage for 7 days after application.

**ORCHARDS:** Do not graze.

**VINEYARDS:** Do **not** graze stock other than sheep in vineyards which have been treated with Success Naturalyte Insect Control. Sheep may be grazed in vineyards for the purpose of leaf plucking providing they are not slaughtered for 2 months after leaving the vineyard.
**DIRECTIONS FOR USE:**

It is an offence to use this product on animals.

Success Naturalyte Insect Control controls certain pests in pipfruit, kiwifruit, avocados, citrus, grapes, stonefruit, potatoes, vegetable brassicas; fodder brassicas and field tomatoes. It works by both contact and ingestion activity. Exposed larvae stop feeding immediately but can take up to 3 days to die. Success Naturalyte Insect Control belongs to the spinosyns group of insecticides.

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| Avocados       | Leafroller                  | 40 mL/100L as a dilute spray. Do not apply less than 800 mL/ha on mature trees. | Apply at 21 day intervals as part of an IPM programme or when pest threshold is reached.  
Ensure thorough coverage. |
| Brassicas - Fodder | Diamondback moth, White butterfly, Brassica aphid | 200 mL/ha       | Always apply in mixture with 100mL/ha Uptake™ Spraying Oil and 300mL/ha Lorsban™ 50EC Insecticide.  
Ensure thorough coverage of the target foliage.  
Repeat application as required. |
| Brassicas - Vegetable | Diamondback moth, White butterfly | 400 mL/ha plus wetter¹ | Closely monitor pest populations and time sprays to coincide with egg hatch. Repeat applications at 7-10 day intervals as new infestations occur.  
Use a minimum spray volume of 250 L/ha water. Ensure thorough coverage of the target area by increasing water volume with crop growth stage. |
| Citrus         | Kelly’s Citrus Thrips       | 40 mL/100L as a dilute spray. Do not apply less than 800 mL/ha on mature trees. | Add Latron B-1956 at 40 mL/100 litres of spraymix. Apply at 100% petal fall with up to three further sprays at two week intervals depending on larval appearance. Ensure thorough coverage. |
| Field Tomatoes | Tomato fruitworm            | 400 mL/ha plus wetter¹ | Closely monitor pest populations and time sprays to coincide with egg hatch. Repeat applications at 7-10 day intervals as new infestations occur.  
Use a minimum spray volume of 250 L/ha water. Ensure thorough coverage of the target area by increasing water volume with crop growth stage. |
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<tr>
<td>Grapes</td>
<td>Leafroller</td>
<td>40mL/100L plus a wetter(^1) as a dilute spray. Do not apply less than 400mL/ha.</td>
<td>Apply at capfall and again at pre-bunch closure when pest thresholds are reached. Ensure thorough coverage.</td>
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| Kiwifruit | Leafroller | 20 – 40mL/100L as a dilute spray. Do not apply less than 400mL/ha under moderate pest pressure and 800mL/ha under severe pest pressure. | **Post-petal fall**  
Apply up to 2 sprays within the first 3 weeks after fruit set. Use the higher rate when pest pressure is severe.  
**Pre-harvest**  
One further spray can be applied to the crop if needed and provided it is applied more than 14 days before harvest. Use the higher rate when pest pressure is severe. For export crops refer to the Zespri Crop Protection Programme or consult your exporter.  
Ensure thorough coverage.  
Do not apply in mixture with mineral oil. |
| Pipfruit | Leafroller Pearslug | 40 mL/100L as a dilute spray. Do not apply less than 800 mL/ha on mature trees. | Use as part of an Integrated Pest Management (IPM) programme. Apply every 14 days or when pest threshold is reached.  
Increase water rate as leaf canopy increases.  
Ensure thorough coverage.  
**Note** - to minimise adverse effects if the woolly apple aphid parasitoid *Aphelinus mali*, or predatory mite *T. pyri* are being used, apply late in the season or when activity is low. |
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<td>Potatoes</td>
<td>Potato tuber moth</td>
<td>400 mL/ha plus wetter&lt;sup&gt;1&lt;/sup&gt;</td>
<td>Only target foliar infestations of tuber moth. Potato tuber moth larvae in tubers or below the soil surface will not be controlled. Carefully monitor crops for eggs and larvae by regular field scouting. Target sprays at first sign of larvae in foliage. Repeat applications at 14-21 day intervals as new infestations occur. Use a minimum spray volume of 500 L/ha water. Adequate soil moisture as well as covering exposed tubers with soil will assist in reducing infestation of Potato tuber moth in tubers.</td>
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<td>Stonefruit</td>
<td>Leafroller (except Golden Queen peaches)</td>
<td>40 mL/100L as a dilute spray. Do not apply less than 800 mL/ha on mature trees.</td>
<td>Apply every 14 days or when pest threshold is reached. Apply from flowering until shuckfall at 10 - 14 day intervals, or when pest threshold is reached. <strong>Pre-harvest:</strong> Apply twice at 7 day intervals with the last application 1-3 days before harvest. <strong>Both timings:</strong> Add Latron B-1956 surfactant at 25mL/100 L of spray mix. Ensure thorough coverage.</td>
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<tr>
<td>Stonefruit</td>
<td>Thrips</td>
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<tr>
<td>Stonefruit</td>
<td>Cherryslug</td>
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<td>Apply when larvae occur in large numbers.</td>
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<sup>1</sup> For grapes, potatoes and all vegetable brassica crops, add a non-ionic wetting agent at the recommended rate.

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