



DIRECTIONS FOR USE
Restraints

DO NOT apply if rain is expected within 2 hours of application, or if heavy dew is present on crops.
DO NOT apply when wind speed is less than 3 and greater than 20 kilometres per hour or during weather conditions when surface temperature inversions can develop.
DO NOT apply within 50 m (aerial application) or 20 m (ground application) when there are livestock, pasture or any land that is producing feed for livestock downwind from the application area.
COTTON:
DO NOT apply more than three (3) applications per field in any one cotton growing season and no more than two (2) consecutive sprays per field per season. Applications must be a minimum of seven days apart.
ADZUKI BEANS, CHICKPEAS, FABA BEANS, MUNGBEANS, SOYBEANS:
DO NOT apply more than one (1) application per field for the crops entire growth cycle.
ENSURE YOU READ THE PROTECTION STATEMENTS BEFORE APPLYING THE PRODUCT.

| CROP | PEST | STATE | RATE | CRITICAL COMMENTS |
|-----------------------------------|--|-----------------------|---|--|
| Cotton | Cotton bollworm (<i>Helicoverpa armigera</i>), Native budworm (<i>H. punctigera</i>) | NSW, NT, Qld, WA only | 650 mL/ha or 850 mL/ha | Use the lower rate of Farmalinx Swoop Insecticide when: (1) <i>H. armigera</i> specific field levels are less than or equal to 60 % prior to treatment application AND (2) egg and larvae pressure ARE AT 5 – 10 brown eggs and 2 very small (first instar) or small larvae (second instar) per 10 cotton terminals AND (3) where preservation of beneficial insects is desirable. Use the higher rate of Farmalinx Swoop Insecticide when: (1) <i>H. armigera</i> specific field levels are greater than 60 % prior to treatment application AND (2) egg and larvae pressure ARE AT 5 – 15 brown eggs and 2 very small (first instar) or small larvae (second instar) per 10 cotton terminals AND (3) where preservation of beneficial insects is desirable. |
| | Cotton bollworm (<i>Helicoverpa armigera</i>), Native budworm (<i>H. punctigera</i>) | | 650 mL/ha + 2 L/ha Ovasyn* insecticide (or 200 g/L Amitraz EC formulation) | Use Farmalinx Swoop Insecticide + Ovasyn* or 200 g/L Amitraz EC when: (1) egg and larvae pressure ARE AT 15 – 20 brown eggs and 2 very small (first instar) or small larvae (second instar) per 10 cotton terminals AND (2) where limited preservation of beneficial insects is required. |
| | Green mirid (<i>Creontiades dilutus</i>) | | 650 mL/ha or 850 mL/ha or 300 or 400 mL/ha + salt (NaCl) at 5 g/L spray volume by ground (100 L/ha) or 10 g/L spray volume by air (30 L/ha) | Target nymphs and/or adults when they reach the economic spray threshold. Use 650 or 850 mL/ha when controlling <i>Helicoverpa</i> spp. AND green mirids. Refer <i>Heliothis</i> recommendations. Use 300 or 400 mL/ha + salt when controlling green mirids ONLY. Use the higher rate on infestations exceeding economic spray threshold levels and/or large canopy crops. Under high populations suppression only may be observed. Note: Farmalinx Swoop Insecticide has limited residual activity in controlling new infestations of mirids (either new hatchlings of nymphs or influx of adults) post-spray. |
| Chickpeas, Faba beans | Cotton bollworm (<i>H. armigera</i>), Native budworm (<i>H. punctigera</i>) | All States | 300 mL/ha | Target brown eggs and hatchling (neonates or first instar) to small larvae (second instar) when they reach the economic spray threshold and before they become entrenched in flowers (particularly relevant to Faba beans) or pods. |
| Adzuki beans, Mungbeans, Soybeans | Cotton bollworm (<i>H. armigera</i>), Native budworm (<i>H. punctigera</i>) | | 400 mL/ha | Target brown eggs and hatchling (neonates or first instar) to small larvae (second instar) when they reach the economic spray threshold and before they become entrenched in flowers and pods. |
| | Mirid complex: Green mirid (<i>C. dilutus</i>), Brown mirid (<i>C. pacificus</i>), Crop mirid (<i>Sidnia kingbergii</i>), Yellow mirid (<i>Campylomma liebknechth</i>) | | 400 mL/ha + salt (NaCl) at 5 g/L spray volume by ground (100 L/ha) or 10 g/L spray volume by air (30 L/ha). | Target nymphs and/or adults when they reach the economic spray threshold. Under high populations suppression only may be observed. Please note: Farmalinx Swoop has limited residual activity in controlling new infestations of mirids (either new hatchlings of nymphs or influx of adults) post spray. |
| | Soybean looper (<i>Thysanoplusia orichalcea</i>) | | 200 mL/ha | Target hatchling (neonates or first instar) to small larvae (second instar) when they reach the economic spray threshold. |
| | Red shouldered leaf or Monolepta beetle (<i>Monolepta australis</i>) Soybeans only | | 200 mL/ha | Target adult beetles when they reach the economic spray threshold. Ensure thorough spray coverage. |

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

SAFETY DATA SHEET
Additional information is listed in the safety data sheet (SDS). A safety data sheet for Farmalinx Swoop Insecticide is available from FARMALINX Pty Ltd on request. Call Customer Service on 02 9389 2455.

If poisoning occurs contact a doctor or Poisons Information Centre. Phone Australia 131 126.

FIRST AID
If it is swallowed, irritate the eyes and skin. Avoid contact with eyes and skin. Repeated exposure may cause allergic disorders. Sensitive workers should use protective clothing. When opening the container, preparing spray and using prepared spray, wear cotton overalls buttoned to the neck and wrist for equivalent clothing. Wash hands after use. After each day's use, wash gloves and contaminated clothing.
SAFETY DIRECTIONS
For refillable containers, empty contents fully into application equipment. Close all valves and return to point of supply for refill or storage. with relevant Local, State or Territory government regulation. DO NOT burn empty containers or product. 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 packaging to an approved waste management facility. If an approved waste management facility is not available bury the empty packaging 500 mm cleaned container in a sheltered place with cap removed. It will then be accepted for recycling at any *drumMUSTER* collection or similar container Dispose of the residue by adding it to the spray tank. DO NOT dispose of undiluted chemicals on site. Wash outside of the container and the cap. Store in a cool, well-ventilated area. DO NOT store for prolonged periods in direct sunlight. This container can be recycled if it is clean, dry, free of visible residue and has the *drumMUSTER* logo visible. Triple or pressure rinse container for disposal. Add rinsings to spray tank.

STORAGE AND DISPOSAL
Store in a cool, well-ventilated area. DO NOT store for prolonged periods in direct sunlight. This container can be recycled if it is clean, dry, free of visible residue and has the *drumMUSTER* logo visible. Triple or pressure rinse container for disposal. Add rinsings to spray tank. Dispose of the residue by adding it to the spray tank. DO NOT dispose of undiluted chemicals on site. Wash outside of the container and the cap. Store in a cool, well-ventilated area. DO NOT store for prolonged periods in direct sunlight. This container can be recycled if it is clean, dry, free of visible residue and has the *drumMUSTER* logo visible. Triple or pressure rinse container for disposal. Add rinsings to spray tank.

PROTECTION OF CROPS, NATIVE AND OTHER NON-TARGET PLANTS
DO NOT apply under weather conditions, or from spraying equipment, that may cause spray to drift onto nearby non-target plants/crops, cropping lands or pastures. Refer to the Product Use section above and the cotton industry's Best Management Practice Manual to manage spray drift during application.

Seller warrants that the product conforms to its chemical description and is reasonably fit for the purposes stated on the label when used in accordance with directions under normal conditions of use. No warranty (other than non-excludable statutory warranties) of merchantability or fitness for a particular purpose, express or implied, extends to the use of product contrary to label instructions, or under off-label permits not endorsed by Farmalinx Pty Ltd or under abnormal conditions. Farmalinx Pty Ltd accepts no liability for any loss or damage arising from incorrect storage, handling or use.



POISON
KEEP OUT OF REACH OF CHILDREN
READ SAFETY DIRECTIONS BEFORE OPENING OR USING

SWOOP
FARMALINX
INSECTICIDE

ACTIVE CONSTITUENT: 150 g/L S-INDOXACARB

GROUP 22A INSECTICIDE

For the control of various species of insect pests in Adzuki beans, Chickpeas, Cotton, Faba beans, Mungbeans and Soybeans as specified in the Directions for use table.

IMPORTANT: THIS LABEL IS PART OF THE LABEL ATTACHED TO THE CONTAINER. READ THOROUGHLY BEFORE OPENING OR USING THIS PRODUCT.

FARMALINX Pty Ltd ABN 95 134 353 245
Level 25, Suite 2506, Tower 2, 101 Grafton Street,
Bondi Junction NSW 2022

WITHHOLDING PERIODS

HARVEST

COTTON: DO NOT HARVEST FOR 28 DAYS AFTER APPLICATION.

ADZUKI BEANS, CHICKPEAS, FABA BEANS, MUNGBEANS, SOYBEANS: DO NOT HARVEST FOR 21 DAYS AFTER APPLICATION.

GRAZING

COTTON: DO NOT ALLOW LIVESTOCK TO GRAZE CROPS, COTTON STUBBLE OR GIN TRASH TREATED WITH FARMALINX SWOOP INSECTICIDE.

ADZUKI BEANS, CHICKPEAS, FABA BEANS, MUNGBEANS, SOYBEANS: DO NOT GRAZE OR CUT FOR STOCK FOOD FOR 21 DAYS AFTER APPLICATION.

LIVESTOCK DESTINED FOR EXPORT MARKETS

The label withholding period for grazing only applies to stock slaughtered for the domestic market. Some export markets apply different standards. To meet these standards, ensure that the Export Slaughter Interval or the Export Grazing Intervals is observed before stock are sold or slaughtered.

EXPORT SLAUGHTER INTERVAL (ESI): 28 DAYS

Livestock that have been grazing on or fed treated crops and/or over-sprayed should be placed on clean feed for 28 days (4 weeks) prior to export slaughter.

GENERAL INSTRUCTIONS

Farmalinx Swoop Insecticide is an emulsifiable concentrate formulation.

Farmalinx Swoop Insecticide should be applied after careful field monitoring of pest populations of eggs and larvae to determine the need for application, the correct timing of the initial application and of any subsequent applications. For Cotton only, subsequent applications are dependent on economic thresholds, as well as the growth rate of new unprotected cotton terminals.

For *Helicoverpa* species, spray applications should be timed to coincide with egg hatching and before larvae are entrenched in protected feeding sites.

Farmalinx Swoop has been specifically designed for use in Integrated Pest Management schemes. The active ingredient, indoxacarb enters larvae primarily by ingestion of treated foliage, or through penetration of the insect cuticle. **After ingesting indoxacarb, the larvae cease feeding and die three to five days later.** Farmalinx Swoop does not give traditional larval "knockdown" control but controls nominated larvae species giving superior: - square, flower and boll protection in cotton OR - foliage, flower and pod protection in Chickpea, Faba beans, Mungbeans or Soybeans.

INSECTICIDE RESISTANCE WARNING

For insecticide resistance management Farmalinx Swoop Insecticide is a Group 22A insecticide. Some naturally occurring insect biotypes resistant to Farmalinx Swoop and other Group 22A insecticides may exist through normal genetic variability in any insect population. The resistant individuals can eventually dominate the insect population if Farmalinx Swoop or other Group 22A insecticides are used repeatedly. The effectiveness of Farmalinx Swoop on resistant individuals could be significantly reduced. Since occurrence of resistant individuals is difficult to detect prior to use, Farmalinx Pty Ltd accepts no liability for any losses that may result from the failure of Farmalinx Swoop to control resistant insects. Strategies to minimise the risk of insecticide resistance are available.

To help prevent the development of resistance to Farmalinx Swoop Insecticide observe the following instructions:

- Use Farmalinx Swoop Insecticide in accordance with the current Insecticide Resistance Management (IRM) strategy for your region.
- Cultivate all cotton fields as soon as possible after picking to destroy overwintering pupae of *Helicoverpa armigera*.

For further information contact your local supplier, Farmalinx representative or local agricultural department agronomist.

PRODUCT USE

The interaction of equipment and weather-related factors determines the potential for spray drift. The applicator must consider all these factors when making application decisions and determining off-target drift risks near the application. A spray drift minimisation strategy, should be employed at all times when applying this product.

APPLYING LARGER DROPLETS (volume median diameter (VMD) 150-250 microns) REDUCES DRIFT POTENTIAL, BUT WILL NOT MINIMISE DRIFT IF APPLICATIONS ARE MADE IMPROPERLY OR UNDER UNFAVOURABLE ENVIRONMENTAL CONDITIONS. Larger droplets may reduce the effects of evaporation.

MIXING

Use only clean water. Half fill the spray tank with water and add the appropriate amount of Farmalinx Swoop Insecticide directly to the spray tank, agitate and add Ovasyn* or amitraz 200 g/L EC, (if applicable), then completely fill the tank. Mix thoroughly and continue mechanical or hydraulic agitation.



PRECAUTION
DO NOT use human flaggers/markers unless they are protected by engineering controls such as vehicles with enclosed cabs.

RE-ENTRY PERIOD
DO NOT allow entry into treated areas until spray has dried. When prior entry is necessary, wear cotton overalls buttoned to the neck and wrists, a washable hat and chemical resistant gloves. Clothing must be laundered after each day's use.

PROTECTION OF LIVESTOCK
Dried, bees can safely forage flowering crops. Avoid direct application or drift of the spray mix onto beehives. After the spray has been applied, do not allow bees to enter treated areas until spray has dried. When prior entry is necessary, wear cotton overalls buttoned to the neck and wrists, a washable hat and chemical resistant gloves. Clothing must be laundered after each day's use.

AVOID SPRAY DRIFT ONTO ADJOINING PROPERTIES OR STOCK AREAS.
Assess the treatment area before application to identify animal exposure risks. Avoid aerial application where possible. Observe the buffer zones for aerial and ground application. If unexpected conditions cause spray drift onto pasture or fodder crops that livestock may potentially graze or may be cut for livestock feed seek advice from Farmalinx.

PROTECTION OF WILDLIFE, FISH, CRUSTACEANS AND ENVIRONMENT
DO NOT contaminate streams, rivers or waterways with the chemical or used containers. Retain irrigation water and DO NOT allow the chemical to enter adjacent paddocks, crops or water supplies.

PROTECTION OF NON-TARGET BENEFICIAL INSECTS
Beneficial insects contribute to control of secondary pest outbreaks. Farmalinx Swoop applications are unlikely to affect spiders and lacewings. Applications may temporarily reduce populations of predatory beetles, transverse ladybirds, ants and plate bugs, but populations quickly recover.

Storage of spray mixture
Use the prepared spray immediately. If unforeseen conditions prevent immediate use of the Farmalinx Swoop Insecticide spray mix, the mix may be stored up to 72 hours. Before use, thoroughly agitate the spray mix until fully resuspended. Mixtures of Farmalinx Swoop Insecticide plus Ovasyn* or Amitraz 200 g/L EC should not be stored.

APPLICATION
Application equipment should be calibrated to apply at least sixty (60) droplets per cm² of target foliage. Droplet VMD should be of medium spray quality according to ASAE S572 definition for standard nozzles.

Ground application
Apply as a blanket spray or as a banded spray to all crops. Ensure thorough spray coverage on the foliage, using appropriate fan nozzles. Apply in a minimum spray volume of 100 L/ha and keep the boom low to avoid spray drift. A minimum spray pressure of 275 kPa (40 psi) should be used with fan nozzles applying insecticides. **Higher pressure reduces droplet size, DOES NOT improve canopy penetration and may increase drift potential.** WHEN HIGHER FLOW RATES ARE NEEDED, USE A HIGHER-CAPACITY NOZZLE INSTEAD OF INCREASING PRESSURE. For band spraying, increase the number of fan nozzles per crop row as the plant size increases.

Aerial application
Farmalinx Swoop must only be applied with aircraft fitted with accurately calibrated equipment. Apply a minimum total spray volume of 30 L/ha with nozzles (e.g. Micronaire* rotary atomisers, CP nozzles or conventional hydraulic nozzles) set to medium spray quality according to ASAE S572 definition for standard nozzles. A spray drift minimisation strategy, should be employed at all times when applying this product. **DO NOT apply Farmalinx Swoop using Ultra Low Volume (ULV) methods.**

COMPATIBILITY:
Label instructions for all products must be observed. Farmalinx Swoop is compatible with Ovasyn* insecticide, Amitraz 200 g/L EC formulations and Mepidef. Farmalinx Swoop is not compatible with ultra low volume (ULV) formulations or the following foliar fertilisers: Supa* K 30, Zip* and Triple 7*. Since formulations may be changed and new ones introduced, it is recommended that users pre-mix a small quantity of the desired tankmix and observe possible adverse changes (settling out, flocculation etc).

Salt
When the addition of salt is indicated in the Directions for Use table, Farmalinx recommends the use of salt from the following sources: Table or cooking salt, Pool salt, or salt approved for use in livestock feed e.g. Cheetham* RAM (No. 2) Dried Fine Salt, Olsson's Kiln Dried Course Refined Salt.