


MAIN PANEL



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

Lineout[®]
INSECTICIDE



ACTIVE CONSTITUENT: 240 g/L FLUBENDIAMIDE
240 g/L THIACTOPRID

GROUP	4A	28	INSECTICIDE
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For control of heliothis and suppression of mirids and aphids in cotton as specified in the DIRECTIONS FOR USE table.

*** L**
IMPORTANT: READ THE ATTACHED BOOKLET BEFORE USE

(Label code)

REAR PANEL

LINEOUT INSECTICIDE**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.

Triple rinse or preferably pressure rinse containers before disposal. Add rinsings to spray tank. Do not dispose of undiluted chemicals on site. If recycling, replace cap and return clean containers to recycler or designated collection point. If not recycling, break, crush, or puncture and bury empty containers in a local authority landfill. If no landfill is available, bury the containers below 500 mm in a disposal pit specifically marked and set up for this purpose clear of waterways, desirable vegetation and tree roots. Empty containers and product should not be burnt. Do not use empty container for any other purpose.

SAFETY DIRECTIONS

Poisonous if swallowed. Harmful if inhaled. Repeated exposure may cause allergic disorders. Do not inhale spray mist. When opening the container and mixing and loading the product wear cotton overalls buttoned to the neck and wrist (or equivalent clothing), elbow-length chemical resistant gloves and half facepiece respirator. When using the prepared spray wear cotton overalls buttoned to the neck and wrist (or equivalent clothing) and elbow-length chemical resistant gloves. Wash hands after use. After each day's use, wash gloves, respirator and if rubber wash with detergent and warm water, and contaminated clothing.

FIRST AID

If poisoning occurs, contact a doctor or Poisons Information Centre (telephone 13 11 26).

MATERIAL SAFETY DATA SHEET

Additional information is listed in the Material Safety Data Sheet, which can be obtained from www.bayercropscience.com.au.

EXCLUSION OF LIABILITY

This product must be used strictly as directed, and in accordance with all instructions appearing on the label and in other reference material. So far as it is lawfully able to do so, Bayer CropScience Pty Ltd accepts no liability or responsibility for loss or damage arising from failure to follow such directions and instructions.

Lineout[®] is a Registered Trademark of Bayer.

APVMA Approval No.: 63388/45483

IMPORTANT: READ THE ATTACHED BOOKLET BEFORE USE

FOR 24 HOUR SPECIALIST ADVICE
IN EMERGENCY ONLY
PHONE 1800 033 111

BARCODE

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Technical Enquiries: 1800 804 479

(Label code)

Batch Number:
Date of Manufacture:
Front page of BOOKLET

READ SAFETY DIRECTIONS BEFORE OPENING OR USING**LINEOUT INSECTICIDE****ACTIVE CONSTITUENT: 240 g/L FLUBENDIAMIDE and 240 g/L THIAMCLOPRID**

For control of heliothis and aphids and suppression of mirids in cotton as specified in the DIRECTIONS FOR USE table.

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Keep out of reach of children. Store in the closed, original container in a cool, well-ventilated area out of direct sunlight. Triple or preferably pressure rinse containers before disposal. Add rinsings to spray tank. Do not dispose of undiluted chemicals on site. If recycling, replace cap and return clean containers to recycler or designated collection point. If not recycling, break, crush, or puncture and bury empty containers in a local authority landfill. If no landfill is available, bury the containers below 500 mm in a disposal pit specifically marked and set up for this purpose clear of waterways, desirable vegetation and tree roots. Empty containers and product should not be burnt.

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IMPORTANT: READ THIS BOOKLET BEFORE USE**Bayer CropScience**

BOOKLET (*continued*)**DIRECTIONS FOR USE****RESTRAINTS**

- DO NOT** apply with aircraft
DO NOT apply within 48 h of heavy rainfall.
DO NOT irrigate within 48 h of treatment.

SPRAY DRIFT RESTRAINTS

DO NOT apply with spray droplets smaller than a **COARSE** spray droplet size category according to "APVMA Compliance Instructions for Mandatory COARSE or Larger Droplet Size Categories" located under this title in the GENERAL INSTRUCTIONS - Application section of this label.

DO NOT apply when wind speed is less than 3 or more than 20 kilometres per hour as measured at the application site.

DO NOT apply during surface temperature inversion conditions at the application site.

Users of this product **MUST** make an accurate written record of the details of each spray application within 24 hours following application and **KEEP** this record for a minimum of 2 years. The spray application details that must be recorded are: 1 date with start and finish times of application; 2 location address and paddock/s sprayed; 3 full name of this product; 4 amount of product used per hectare and number of hectares applied to; 5 crop/situation and weed/pest; 6 wind speed and direction during application; 7 air temperature and relative humidity during application; 8 nozzle brand, type, spray angle, nozzle capacity and spray system pressure measured during application; 9 name and address of person applying this product. (Additional record details may be required by the state or territory where this product is used.)

FOR ONE APPLICATION PER SEASON**MANDATORY NO-SPRAY ZONES FOR ONE APPLICATION PER SEASON**

DO NOT apply when there are aquatic and wetland areas including aquacultural ponds or surface streams and rivers downwind from the application area and within the mandatory no-spray zone shown in the table below.

Table 1 – No-Spray Zones for Protection of the Aquatic Environment	
Coarse Spray Quality (ASABE S572 definition for standard nozzles)	
Wind Speed Range at Time of Application	Downwind No-Spray Zone
3 to 20 kilometres per hour	180 m

DO NOT apply when there are livestock, pasture or any land that is producing feed for livestock downwind from the application area and within the mandatory no-spray zone shown in Table 2 below.

Table 2 – No-Spray Zones for Protection of Livestock Trade	
Coarse Spray Quality (ASABE S572 definition for standard nozzles)	
Wind Speed Range at Time of Application	Downwind No-Spray Zone
3 to 20 kilometres per hour	25 m

FOR TWO APPLICATIONS PER SEASON**MANDATORY NO-SPRAY ZONES FOR TWO APPLICATIONS PER SEASON**

DO NOT apply when there are aquatic and wetland areas including aquacultural ponds or surface streams and rivers downwind from the application area and within the mandatory no-spray zone shown in the Table 3 below.

Table 3 – No-Spray Zones for Protection of the Aquatic Environment	
Coarse Spray Quality (ASABE S572 definition for standard nozzles)	
Wind Speed Range at Time of Application	Downwind No-Spray Zone
3 to 20 kilometres per hour	300 m

DO NOT apply when there are livestock, pasture or any land that is producing feed for livestock downwind from the application area and within the mandatory no-spray zone shown in Table 4 below.

Table 4 – No-Spray Zones for Protection of Livestock Trade

Coarse Spray Quality (ASABE S572 definition for standard nozzles)

Wind Speed Range at Time of Application

Downwind No-Spray Zone

3 to 20 kilometres per hour

25 m

CROP	PEST	STATE	RATE	CRITICAL COMMENTS
Cotton	Cotton bollworm (<i>Helicoverpa armigera</i>) Native budworm (<i>H. punctigera</i>)	Qld, NSW, WA, NT only	200 or 300 mL/ha	<p>Apply Lineout Insecticide to brown eggs or at egg hatch to hatchling larvae when pest numbers reach treatment threshold levels as determined by field checks. Larvae in protected feeding sites (e.g. squares, flowers and bolls) will not be controlled. Use the higher rate if egg or hatchling pressure is high.</p> <p>Ensure thorough spray coverage of plants is achieved. Trial data to date has been inconclusive as to under what conditions the use of adjuvants will improve control. Before using an adjuvant, consider the local conditions with respect to the benefits provided by different adjuvants. Refer to "Adjuvant" section in GENERAL INSTRUCTIONS.</p> <p>Do not use more than 2 sprays per season. Do not re-apply Lineout Insecticide within 14 days of the previous Lineout Insecticide spray.</p>
	Green mirid (<i>Creontiades dilutus</i>)		200 mL/ha (suppression)	<p>Apply when pest numbers reach treatment threshold levels as determined by field checks. After treatment with Lineout Insecticide, the mirid population may take several days to decline.</p> <p>Ensure thorough spray coverage of plants is achieved.</p> <p>Do not use more than 2 sprays per season. Do not re-apply Lineout Insecticide within 14 days of the previous Lineout Insecticide spray.</p>
	Cotton aphid (<i>Aphis gossypii</i>)		200 mL/ha (suppression)	<p>Suppression of aphids only. Apply early in the establishment of an aphid infestation when numbers are low before honeydew is evident or aphid damage occurs. Applications made later than this may result in reduced control. After ingesting Lineout Insecticide aphids may take up to 5 days to die.</p> <p>Ensure thorough spray coverage of plants is achieved. Trial data to date has been inconclusive as to under what conditions the use of adjuvants will improve control. Before using an adjuvant, consider the local conditions with respect to the benefits provided by different adjuvants. Refer to "Adjuvant" section in GENERAL INSTRUCTIONS.</p> <p>Do not use more than 2 sprays per season. Do not re-apply Lineout Insecticide within 14 days of the previous Lineout Insecticide spray.</p>

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

WITHHOLDING PERIODS (WHP)

Harvest (H)

DO NOT HARVEST FOR 21 DAYS AFTER APPLICATION

Grazing (G)

DO NOT FEED COTTON FODDER, STUBBLE OR TRASH TO LIVESTOCK

GENERAL INSTRUCTIONS

Insecticide Resistance Warning

GROUP 4A 28 INSECTICIDE

For insecticide resistance management Lineout Insecticide is a Group 4A and Group 28 insecticide. Some naturally occurring insect biotypes resistant to Lineout and other Group 4A and Group 28 insecticides may exist through normal genetic variability in any insect population. The resistant individuals can eventually dominate the insect population if Lineout or other Group 4A and Group 28 insecticides are used repeatedly. The effectiveness of Lineout on resistant individuals could be significantly reduced. Since occurrence of resistant individuals is difficult to detect prior to use, Bayer CropScience Pty Ltd accepts no liability for any losses that may result from the failure of Lineout to control resistant insects.

Lineout may be subject to specific resistance management strategies. For further information contact your local supplier, Bayer CropScience representative or local agricultural department agronomist.

Export of treated produce

Growers should note that suitable MRLs or import tolerances may not be established in all markets for cotton treated with Lineout Insecticide. If you are growing cotton for export, please check with Bayer CropScience for the latest information on MRLs and export tolerances before using Lineout Insecticide.

Adjuvants

Trial data to date has been inconclusive as to under what conditions the use of adjuvants will improve control. Before using an adjuvant, consider the local conditions with respect to the benefits provided by different adjuvants. Lineout is compatible with Hasten Spray Adjuvant at 1.0 L/ha or Pulse Penetrant at 0.2% v/v.

Mixing

Shake the container well before using. Partially fill the spray tank with clean water and add the required volume of product to the water whilst agitating. Add adjuvant, if required, then top up the tank with clean water to the required volume with agitator operating. Ensure constant agitation during application. Lineout Insecticide should be applied as soon after mixing as possible.

Application

Thorough coverage of the crop is essential. Equipment should be calibrated to achieve a minimum of 60 droplets/cm² on the target foliage. Do not apply when conditions are unsuitable for water-based spray applications. Avoid high temperatures, strong winds, inversion conditions, imminent rain or any conditions that may reduce the quality of spray coverage or result in drift from the target area.

Application

Apply as a blanket spray or as a banded spray. Ensure thorough spray coverage on the foliage, using appropriate nozzles. Apply in a minimum spray volume of 100 L/ha.

APVMA Compliance Instructions for Mandatory COARSE or Larger Droplet Size Categories

Important Information

These instructions inform users of this chemical product how to lawfully comply with the requirement of a COARSE or larger spray droplet size category for spray application. Spray droplet categories are defined in the ASAE S572 Standard (newer name may also be shown as ASABE) or the BCPC guideline. Nozzle manufacturers may refer to one or both to identify droplet size categories, but for a nozzle to comply with this requirement, the manufacturer must refer to a least one.

Complying with the label requirement to use a specific droplet size category means using the correct nozzle that will deliver that droplet size category under the spray operation conditions being used. The APVMA has approved only the following specific methods for choosing the correct nozzle. Use one of

the methods specified in these instructions to select a correct nozzle to deliver a COARSE or larger droplet size category.

Instructions for **Ground Application – for COARSE droplet size or larger categories**

Mandatory Instructions for Ground Applications

USE ONLY nozzles that the nozzles' manufacturer has rated to deliver a COARSE, a VERY COARSE or an EXTREMELY COARSE droplet size category as referenced to ASABE S572 or BCPC. Choose a nozzle specified to provide the droplet size category required in the label Spray Drift Restraints.

DO NOT use a higher spray system pressure than the maximum the manufacturer specifies for the selected nozzle to deliver the droplet size category required in the label Spray Drift Restraint.

Integrated Pest Management – where IPM is practiced, Lineout Insecticide may have adverse effects on some non-target beneficials.

Compatibility

For the latest information on the compatibility of Lineout Insecticide with other products, contact your local Bayer CropScience Area Manager or your local reseller.

PRECAUTIONS

Re-entry

Do not allow entry into treated areas until the spray has dried, unless wearing 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 WILDLIFE, FISH, CRUSTACEANS AND ENVIRONMENT

Very toxic to aquatic invertebrates. Overspray or drift to aquatic habitats should be avoided.

DO NOT apply within 48 h of heavy rainfall.

DO NOT irrigate within 48 h of treatment.

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 apply if heavy rains are expected.

DO NOT contaminate dams, waterways or drains with the product or its container

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