

CAUTION

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

GENFARM FIPRONIL 800 WG INSECTICIDE

ACTIVE CONSTITUENT: 800g/kg FIPRONIL

GROUP **2B** INSECTICIDE

For the control of various insect pests in bananas, brassicas, cotton, wine grapevines, mushrooms, pasture, potatoes, sorghum and sugarcane as specified in the DIRECTIONS FOR USE Table.

IMPORTANT: READ THIS BOOKLET BEFORE USE

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DIRECTIONS FOR USE

| CROP | PEST | STATE | RATE | WHP |
|---------|--|-----------------------------|---|-----|
| Bananas | Banana Rust Thrips (<i>Chaetanaphothrips signipennis</i>) | Qld, NSW, WA, NT only | Butt application All planting configurations: 37.5g/100L water (0.19g/stool) Band application All planting configurations: 10g/100m ² treated area (See table under General Instructions – Application for calculation of the treated area) | – |
| | Banana Weevil Borer (<i>Cosmopolites sordidus</i>) | Qld, NSW, WA, NT only | Butt application All planting configuration: 37.5g/100L water (0.19g/stool) | – |

| CRITICAL COMMENTS |
|--|
| Dangerous to bees. Refer to PROTECTION OF LIVESTOCK. |
| <p>Timing: Application should ideally be made at least two months prior to bunch emergence to reduce early thrips pressure. Such an application could coincide with an application for Banana Weevil Borer control (see label directions below).</p> <p>Butt application: Apply in a coarse spray covering the stem to a height of 30cm and the soil/trash in a 30cm radius from the stem base. Apply a total volume of 500mL solution per stool. Ensure thorough coverage of butt, suckers, trash and exposed soil.</p> <p>Band application: Apply in a band along each row. The bandwidth should be such that at least 30cm of soil/trash is treated on both sides of the butt. Apply with a side delivery boom and offset nozzles directed to spray at least 30cm of soil on either side of the butt and to a height of 30cm up the stems. Repeat the application from the opposite side of the row. Half of the spray volume required to treat each row should be applied from each direction of spraying. For double row configurations treat both rows with each pass, ensuring the ground area between the two rows is also treated. Ensure thorough coverage of butt, suckers, trash and exposed soil. Apply in a minimum water volume of 13L/100m² (trash removed) or 26L/100m² (trash retained). See table under General Instructions – Application for guidance.</p> |
| <p>Apply by butt application as described above for Banana Rust Thrips.</p> <p>Population assessment: Lay baits (cut billets of stem base) flat on soil beside stools and cover with leaf material. Check baits after 3 days to assess pest activity. Monitoring should commence in September when pest activity increases and continue until April.</p> <p>Application method: Applications should be made in spring and/or autumn when weevil numbers reach or exceed acceptable threshold levels. Remove any green trash from area to be treated. Avoid application to trash, which is less than 3 weeks old. This use is subject to an Avcare Resistance Management Strategy. Refer to your Nutrien Ag Solutions representative for details.</p> |

| CROP | PEST | STATE | RATE | WHP |
|--|---|-------------------|--------------------------|-------------|
| Brassicas (head cabbage, cauliflower, broccoli, Brussels sprouts, kohirabi) | Diamondback Moth (<i>Plutella xylostella</i>), Cabbage White Butterfly (<i>Pieris rapae</i>), Cabbage Cluster Caterpillar (<i>Crociodolomia pavonana</i>) | All States | 60g/ha | 7 days (H) |
| Cotton | Cotton Thrips (<i>Thrips tabaci</i>) | Qld, NSW, WA only | 15.5-30g/ha | 4 weeks (H) |
| | Green Mirid (<i>Creontiades dilutus</i>) | | | |
| Mushrooms | Mushroom flies (Sciarids, Phorids and Cecids) | All States | 4g/300L bale of peatmoss | 14 days (H) |
| Potatoes | Wireworm (various), mole cricket (various) | All States | 62.5g/ha | – |
| | Whitefringed Weevil (<i>Naupactus leucoloma</i>) | | 125g/ha | |
| Wine grapevines | Fig Longicorn (<i>Acalolepta vastator</i>) | All States | 25g/ha | – |

| CRITICAL COMMENTS |
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| Dangerous to bees. Refer to PROTECTION OF LIVESTOCK. |
| Diamondback Moth can rapidly become resistant to insecticides. To preserve the effectiveness of Genfarm Fipronil 800 WG Insecticide, limit the number of applications to no more than 4 per year, preferably applied within an 8 week period. Use spray volume of between 400 and 1000L/ha according to crop size. Use a non-ionic wetting agent at the rate specified by the manufacturer for use in horticultural crops. Ensure that the rate of wetting agent used results in efficient spray coverage of the leaf surface. This use is subject to an Avcare Resistance Management Strategy. Refer to your Nutrien Ag Solutions representative for details. |
| Apply at the first sign of the pest. FIPRONIL will take 3-4 days to reach full effectiveness. Use the higher rate in situations of high thrips pressure. |
| Apply spray to achieve thorough coverage of foliage when pest first appears and repeat as required. Use the higher rate under sustained heavy Green Mirid pressure. The product is compatible with early season IPM with the lower rate having less impact on beneficials. |
| Prepare solution by mixing Genfarm Fipronil 800 WG Insecticide with a small volume of water. Apply mixture to peatmoss during preparation of casing. Ensure thorough mixing with peatmoss. |
| Apply as a broadcast spray to the surface of the soil and incorporate to a depth of 15cm prior to planting. |
| Apply as a single spray to dormant vines following pruning and prior to budburst. Apply only as high volume spray using hand held equipment. Thorough coverage of vine trunks and cordons is essential for effective control. Refer to Application Wine Grapevines. |

| CROP | PEST | STATE | RATE | WHP |
|------------------|--|-----------------------|-------------------|-----------------|
| Pasture, sorghum | Australian Plague Locust (<i>Chortoicetes terminifera</i>), Spurthroated Locust (<i>Austracns guttulosa</i>), Migratory Locust (<i>Locusta migratoria</i>), Wingless Grasshopper (<i>Phaulacridium vittatum</i>) | All States | 1.5g/ha | 14 days (H, G) |
| Sugarcane | Sugarcane Weevil Borer (<i>Rhabdoscelus obscurus</i>) | NSW, Qld, WA, NT only | 0.5-1.4g/100m row | 12 weeks (H, G) |

| CRITICAL COMMENTS |
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| <p>Dangerous to bees. Refer to PROTECTION OF LIVESTOCK.</p> <p>Apply diluted with water to a minimum of 20L/ha by air or 50L/ha by ground rig, directly onto locusts. Ensure thorough coverage of foliage.</p> <p>Residual control of these pest provided by FIPRONIL will vary with conditions. Rainfall will significantly reduce residual control. Residual control will also be reduced when applied directly to bare earth.</p> <p>Where inaccessibility prevents direct spraying of locusts apply as a barrier treatment (minimum 25m wide) ahead of advancing hopper bands.</p> <p>DO NOT re-treat for 14 days following application. DO NOT apply FIPRONIL to wet foliage. FIPRONIL is rainfast after drying on foliage (1 hour). Re-spray only if rain falls before spray is dry on crop.</p> <p>Mortality will increase to a maximum over a period of 3-15 days after spraying. Speed of kill varies with locust species, temperature and age of adults. Fully mature, adult Spurthroated Locusts may show symptoms of debilitation 4-48 hours after spraying but in cool weather may take up to 14 days to die. Feeding ceases when debilitation symptoms appear.</p> <p>See also General instructions.</p> |
| <p>Apply during the summer months of December to February when the crop has produced the first millable internode of cane.</p> <p>Use hollow cone nozzles as a directed spray to cover the base of the sugarcane stools and up the stalk to a height of 40cm. Treat both sides of the stools ensuring coverage of all stalks, soil and trash in an area to 10cm either side of the stools.</p> <p>Use a non-ionic wetting agent at the rate specified by the manufacturer. Ensure that the rate of wetting agent used results in efficient spray coverage of the stalk, soil and trash surface.</p> <p>Apply in a minimum water volume of 250L/ha (approx. 3.8L/100m row). Use the higher rate when pest pressure is heavy.</p> |

| CROP | PEST | STATE | RATE | WHP |
|---------------------------------|---------------------------------|-----------------------------|--|-----|
| Sugarcane – <i>continued</i> | Sugarcane Wireworm (various) | NSW, Qld, WA, NT only | Single row plantings: 0.3g/100m single row length Double row plantings: 0.5g/100m double row length | – |

| CRITICAL COMMENTS |
|--|
| Dangerous to bees. Refer to PROTECTION OF LIVESTOCK. |
| Apply in the planting furrow over the top of plant pieces (setts) in sufficient water to ensure coverage of the plant pieces and the surrounding soil. |

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

WITHHOLDING PERIODS:

(H) = HARVEST, (G) = GRAZING

BANANAS: NOT REQUIRED WHEN USED AS DIRECTED

BRASSICAS: DO NOT HARVEST FOR 7 DAYS AFTER APPLICATION

COTTON: DO NOT HARVEST FOR 4 WEEKS AFTER APPLICATION

DO NOT GRAZE OR CUT FOR STOCK FOOD.

WINE GRAPES: NOT REQUIRED WHEN USED AS DIRECTED (H)

DO NOT FEED TRASH OR BY-PRODUCTS RESULTING FROM TREATED GRAPEVINES TO LIVESTOCK

MUSHROOMS: DO NOT HARVEST FOR 14 DAYS AFTER APPLICATION

PASTURE: DO NOT GRAZE OR CUT FOR STOCK FOOD FOR 14 DAYS AFTER APPLICATION

POTATOES: NOT REQUIRED WHEN USED AS DIRECTED

DO NOT GRAZE OR CUT FOR STOCK FOOD ANY PART OF FAILED CROP (INCLUDING TUBERS)

SORGHUM: DO NOT HARVEST, GRAZE OR CUT FOR STOCK FOOD FOR 14 DAYS AFTER APPLICATION

SUGARCANE: DO NOT HARVEST FOR 12 WEEKS AFTER APPLICATION

DO NOT GRAZE OR CUT FOR STOCK FOOD FOR 12 WEEKS AFTER APPLICATION

LIVESTOCK WITHHOLDING PERIOD: WITHHOLD STOCK FROM SLAUGHTER FOR 21 DAYS AFTER APPLICATION. WHERE STOCK WERE PRESENT IN CROP OR PASTURE AT TIME OF APPLICATION.

GENERAL INSTRUCTIONS

RESIDUES MANAGEMENT IN EXPORT PRODUCE

Crops

Growers should note that MRLs or import tolerances do not exist in all markets for produce treated with Genfarm Fipronil 800 WG Insecticide. If you are growing produce for export, please check with Nutrien Ag Solutions Limited for the latest information on MRLs and import tolerances BEFORE using Genfarm Fipronil 800 WG Insecticide.

Livestock

Livestock may be exposed to fipronil residues in the feed by grazing treated pasture and/or sorghum forage and fodder. Observance of the 14 day grazing withholding period permits compliance with Australian MRLs for fipronil in meat, offal and milk. To meet more stringent export residues requirements, Meat and Livestock Australia recommends Export Slaughter Intervals (ESIs) and Export Grazing Intervals (EGIs) for Genfarm Fipronil 800 WG Insecticide. When livestock grown for export are grazed on pasture and/or sorghum forage and fodder treated with Genfarm Fipronil 800 WG Insecticide the user must obtain details of the recommended export intervals from Meat and Livestock Australia and must follow those recommendations.

MIXING

Bananas, Brassicas, Cotton, Wine Grapevines, Potatoes, Pastures, Sorghum, Sugarcane

Slowly add the required amount of product to water in the spray tank while stirring or agitating. Agitate while spraying.

Mushrooms

Add required amount of Genfarm Fipronil 800 WG Insecticide to a small quantity of water, ensuring thorough mixing.

APPLICATION

Bananas

Ensure thorough coverage of butts, suckers and surrounding trash and exposed soil.

Bananas (Band Spray)

Calculation of the quantity of FIPRONIL and minimum water volume required to treat a 100m row length of bananas for various band widths.

| Band width to be treated# | Spray area per 100m row | Total quantity of FIPRONIL required per 100m row* | Minimum recommended water volume per 100m (Trash removed)* | Minimum recommended water volume per 100m (Trash retained)* |
|---------------------------|-------------------------|---|--|---|
| 1.5m | 150m ² | 15g | 20L | 40L |
| 2.0m | 200m ² | 20g | 27L | 54L |
| 2.5m | 250m ² | 25g | 33L | 66L |
| 3.0m | 300m ² | 30g | 40L | 80L |

#Band width = butt diameter plus 30cm on either side of the butt

*Rows should be treated from both sides. The quantities stated are the total amounts to be applied, i.e. half of the stated quantity should be applied from each direction of spraying.

Brassicas

Ensure thorough coverage of foliage and heads.

Cotton

For ground application use a prepared spray volume of 35-75L/ha depending on the size of the crop. For aerial application see 'Aerial application' instructions below.

Wine Grapevines

FIPRONIL should be applied by hand held equipment as a high volume directed spray of approximately 500mL solution per vine.

Mushrooms

Apply mixture to peat moss during preparation of casing, ensuring even mixing in peat moss.

AERIAL APPLICATION

Use spray techniques that minimize off-target spray drift. DO NOT use rotary atomisers. Use application volumes between 20L and 50L/ha. Achieve a droplet density of ~60 droplets/cm² on a flat surface on the target. When spraying large droplets (>250µm), increase the application volume to >40L/ha to ensure sufficient droplets are produced. Aerial application is not recommended for brassica and potato crops.

INSECTICIDE RESISTANCE WARNING

For insecticide resistance management Genfarm Fipronil 800 WG Insecticide is a Group 2B insecticide. Some naturally occurring insect biotypes resistant to Genfarm Fipronil 800 WG Insecticide and other Group 2B insecticides may exist through normal genetic variability in any insect population. The resistant individuals can eventually dominate the insect population if Genfarm Fipronil 800 WG Insecticide or other Group 2B insecticides are used repeatedly. The effectiveness of Genfarm Fipronil 800 WG Insecticide on resistant individuals could be significantly reduced. Since the occurrence of resistant individuals is difficult to detect prior to use, Nutrien Ag Solutions Limited accepts no liability for any losses that may result from the failure of this product to control resistant insects.

Genfarm Fipronil 800 WG Insecticide may be subject to specific resistance management strategies. For further information contact your local supplier, Nutrien Ag Solutions Limited representative or local agricultural department agronomist.

PRECAUTIONS

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 wrist (or equivalent clothing) and chemical resistant gloves, Clothing must be laundered after each day's use.

Human flaggers, if used in aerial spraying operations, must be protected by enclosed cabs.

PROTECTION OF CROPS, NATIVE AND OTHER NON-TARGET PLANTS

DO NOT apply in weather conditions or from spraying equipment, that may cause spray to drift onto non-target plants/crops, cropping lands or pastures.

PROTECTION OF LIVESTOCK

Dangerous to bees. DO NOT apply where bees from managed hives are foraging and crops, weeds or cover crops are in flower at the time of spraying, or are expected to flower within 28 days (7 days for pastures and sorghum).

Before spraying, notify beekeepers to move hives to a safe location with an untreated source of nectar, if there is potential for managed bees to be affected by the spray or spray drift.

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If an area has been sprayed accidentally in which the crop, weeds or cover crop were in flower or subsequently came into flower, notify beekeepers in order to keep managed bees out of the area for at least 28 days (7 days for pastures and sorghum) from the time of spraying.

PROTECTION OF WILDLIFE, FISH, CRUSTACEANS AND ENVIRONMENT

Highly toxic to fish and aquatic organisms. DO NOT contaminate streams, rivers or waterways with the chemical or used containers. DO NOT spray across open bodies of water.

This product will kill susceptible non-target invertebrates, including beneficial species, if they exposed to drift. DO NOT apply aerially to brassicas and potatoes. A spray drift minimization strategy should be employed at all times when aerially applying sprays to or near sensitive areas. The strategy envisaged is exemplified by the cotton industry's Best Management Practice Manual.

STORAGE AND DISPOSAL

Store in the closed original container in a dry, cool, well-ventilated area. DO NOT store for prolonged periods in direct sunlight. Triple-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 deliver empty packaging to an approved waste management facility. If an approved waste management facility is not available, bury the empty packaging 500 mm 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 containers or product. This container can be recycled if it is clean, dry, free of visible residues and has the *drumMUSTER* logo visible. Triple-rinse container for disposal. Dispose of rinsate by adding it to the spray tank. DO NOT dispose of undiluted chemical on-site. Wash outside of the container and the cap. Store cleaned container in a sheltered place with cap removed. It will then be acceptable for recycling at any *drumMUSTER* collection or similar container management program site. The cap should not be replaced, but may be taken separately.

SAFETY DIRECTIONS

Poisonous if absorbed by skin contact, inhaled or swallowed. Will irritate the eyes and skin. Avoid contact with eyes and skin. DO NOT inhale dust. When opening the container, preparing product for use and using the prepared spray, wear cotton overalls buttoned to the neck and wrist (or equivalent clothing) and elbow-length PVC gloves and face shield or goggles. If product in eyes wash it out immediately with water. After use and before eating, drinking or smoking, wash hands, arms and face thoroughly with soap and water. After each day's use wash gloves, face shield or goggles and contaminated clothing.

FIRST AID

If poisoning occurs, contact a doctor or Poisons Information Centre. Phone Australia 13 11 26; New Zealand 0800 764 766.

SAFETY DATA SHEET

For further information, refer to the Safety Data Sheet which is available from the supplier.

CONDITIONS OF SALE: The use of this product is beyond the control of Nutrien Ag Solutions Limited. No warranty is expressed or implied regarding the suitability or efficiency for any purpose for which it is used by the buyer. Nutrien Ag Solutions Limited accepts no responsibility for any consequences resulting from the use of this product. Nutrien Ag Solutions Limited will not be held liable for any loss, injury or damage arising from the sale, supply or use of this product, whether through negligence or otherwise. No responsibility will be accepted for any consequences whatsoever resulting from the use of this product.



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