

POISON

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



FIPRONIL 800 WG
Insecticide

ACTIVE CONSTITUENT: 800 g/kg FIPRONIL

GROUP 2C INSECTICIDE

For 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.

THIS LEAFLET IS PART OF THE LABEL

4 FARMERS AUSTRALIA PTY LTD

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Batch Number:

Date of Manufacture:

APVMA Approval No: 65878/52214

DIRECTIONS FOR USE

CROP	PEST	STATE	RATE	WHP	CRITICAL COMMENTS
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)	–	Dangerous to bees. Refer to PROTECTION OF LIVESTOCK 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). 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. 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/100m ² (trash removed) or 26L/100m ² (trash retained). See table under General Instructions – Application for guidance.
	Banana Weevil Borer (<i>Cosmopolites sordidus</i>)	QLD, NSW, WA, NT only	Butt application All planting configuration: 37.5g/100L water (0.19g/stool)		Apply by butt application as described above for Banana Rust Thrips. 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. 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 4Farmers representative for details.
					Dangerous to bees. Refer to PROTECTION OF LIVESTOCK
Brassicas (head cabbage cauliflower, broccoli, Brussels sprouts, kohlrabi)	Diamondback moth (<i>Plutella xylostella</i>), Cabbage White Butterfly (<i>Pieris rapae</i>), Cabbage Cluster Caterpillar (<i>Crocidolomia pavonana</i>)	All states	60g/ha	7 days (H)	Diamondback Moth can rapidly become resistant to insecticides. To preserve the effectiveness of 4Farmers 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 4Farmers representative for details.
Cotton	Cotton Thrips (<i>Thrips tabaci</i>)	QLD, NSW, WA only	15.5–30g/ha	4 weeks (H)	Apply at the first sign of the pest. 4Farmers Fipronil 800 WG Insecticide will take 3-4 days to reach full effectiveness. Use the higher rate in situations of high thrips pressure.
	Green Mired (<i>Creontiades dilutus</i>)				Apply spray to achieve thorough coverage of foliage when pest first appears and repeat as required. Use the higher rate under sustained heavy Green Mired pressure. The product is compatible with early season IPM with the lower rate having less impact on beneficials.
Mushrooms	Mushroom Flies (<i>Sciarids, Phorids and Cecids</i>)	All states	4g/300l bale of peatmoss	14 days (H)	Prepare solution by mixing 4Farmers Fipronil 800 WG Insecticide with a small volume of water. Apply mixture to peatmoss during preparation of casing. Ensure thorough mixing with peatmoss.
Potatoes	Wireworm (various), Mole Cricket (various)	All states	62.5g/ha	–	Apply as a broadcast spray to the surface of the soil and incorporate to a depth of 15cm prior to planting.
	Whitefringed Weevil (<i>Naupactus leucoloma</i>)	All states	125g/ha		
Wine grapevines	Fig Longicorn (<i>Acalolepta vastator</i>)	All states	251g/ha	–	Apply as a single spray to dormant vines following pruning and prior to bud burst. 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.
					Dangerous to bees. Refer to PROTECTION OF LIVESTOCK
Pasture, sorghum	Australian Plague Locust (<i>Chortoicetes terminifera</i>), Spur Throated Locust (<i>Austracris guttulosa</i>), Migratory Locust (<i>Locusta migratoria</i>), Wingless Grasshopper (<i>Phaulacridium vittatum</i>)	All States	1.5g/ha	14 days (HG)	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. Residual control of these pests provided by 4Farmers Fipronil 800 WG Insecticide will vary with conditions. Rainfall will significantly reduce residual control. Residual control will also be reduced when applied directly to bare earth. Where inaccessibility prevents direct spraying of locusts apply as a barrier treatment (minimum 25m wide) ahead of advancing hopper bands. DO NOT re-treat for 14 days following application. DO NOT apply 4Farmers Fipronil 800 WG to wet foliage. 4Farmers Fipronil 800 WG Insecticide is rainfast after drying on foliage (1 hour). Re-spray only if rain falls before spray is dry on crop. 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 Spur Throated Locusts may show symptoms of debilitation 4-8 hours after spraying but in cool weather may take up to 14 days to die. Feeding ceases when debilitation symptoms appear. See also General Instructions
Sugarcane	Sugarcane Weevil Borer (<i>Rhabdoscelus obscurus</i>)	NSW, QLD, WA, NT only	0.5–1.4g/100m row	12 weeks (HG)	Apply during the summer months of December to February when the crop has produced the first millable internode of cane. 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. 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. Apply in a minimum water volume of 250L/ha (approx. 3.8L/100m row). Use the higher rate when pest pressure is heavy.

CROP	PEST	STATE	RATE	WHP	CRITICAL COMMENTS
	Sugarcane Wireworm (various)		<p>Single row plantings: 0.3g/100m single row length</p> <p>Double row plantings: 0.5g/100m double row length</p>	–	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.
WINEGRAPES:	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

INSECTICIDE RESISTANCE WARNING

For insecticide resistance management 4Farmers Fipronil 800 WG is a Group 2C insecticide.

Some naturally occurring insect biotypes resistant to 4Farmers Fipronil 800 WG and other Group 2C insecticides may exist through normal genetic variability in any insect population. The resistant individuals can eventually dominate the insect population if 4Farmers Fipronil 800 WG or other Group 2C insecticides are used repeatedly. The effectiveness of 4Farmers Fipronil 800 WG Insecticide on resistant individuals could be significantly reduced. Since the occurrence of resistant individuals is difficult to detect prior to use. 4Farmers Australia Pty Ltd accepts no liability for any losses that may result from the failure of this product to control resistant insects.

4Farmers Fipronil 800 WG Insecticide may be subject to specific resistance management strategies. For further information contact your local supplier. 4Farmers Australia Pty Ltd representative or local agricultural department agronomist.

RESIDUES MANAGEMENT IN EXPORT PRODUCE

CROPS

Growers should note that MRLs or import tolerances do not exist in all markets for produce treated with 4Farmers Fipronil 800 WG Insecticide. If you are growing produce for export, please check with 4Farmers Australia Pty Ltd for the latest information on MRLs and import tolerances BEFORE using 4Farmers 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 14day 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 4Farmers Fipronil 800 WG Insecticide. When livestock grown for export are grazed on pasture and/or sorghum forage and fodder treated with 4Farmers 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 4Farmers 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 4Farmers Fipronil 800 WG Insecticide and minimum water volume required to treat a 100m row length of bananas for various bandwidths

Band width to be treated#	Spray area per 100m row	Total quantity of 4Farmers Fipronil 800 WG Insecticide 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

4Farmers Fipronil 800 WG Insecticide 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.

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. 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. 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 500mm 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.

SAFETY DIRECTIONS

Poisonous if absorbed by skin contact, inhaled or swallowed. Will irritate the eyes and skin. DO NOT inhale dust. Avoid contact with eyes and skin. 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 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 (13 11 26).

SAFETY DATA SHEET

Additional information is listed in the Safety Data Sheet, which can be obtained from www.4farmers.com.au.

CONDITIONS OF SALE

All conditions and warranties rights and remedies implied by law or arising in contract or tort whether due to the negligence of 4Farmers Australia Pty Ltd or otherwise are hereby expressly excluded so far as the same may legally be done provided however that any rights of the Buyer pursuant to non excludable conditions or warranties of the Trade Practices Act 1974 or any relevant legislation of any State are expressly preserved but the liability of 4Farmers Australia Pty Ltd or any intermediate Seller pursuant thereto shall be limited if so permitted by the said legislation to the replacement of the goods sold or the supply of equivalent goods and all liability for indirect or consequential loss or damage of whatsoever nature is expressly excluded. This product must be used or applied strictly in accordance with the instructions appearing hereon. This product is solely sold for use in Australia and must not be exported without the prior written consent of 4Farmers Australia Pty Ltd.



U.N. No. 2588	PESTICIDE, SOLID, TOXIC, N.O.S. (Fipronil (ISO)), ENVIRONMENTALLY HAZARDOUS PESTICIDE, SOLID, TOXIC, N.O.S. (Fipronil (ISO))	
In a Transport Emergency Dial 000 Police or Fire Brigade	PG III	HAZCHEM 2X
Special Poisons Advice: 13 11 26		