

# POISON

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



## IMIDACLOPRID 600 FS

### Insecticide

**ACTIVE CONSTITUENT: 600 g/L IMIDACLOPRID**

**GROUP 4A INSECTICIDE**

For the Control of Various Insect Pests in a Range of Crops and the Protection of Spread of Barley Yellow Dwarf Virus in Cereal Crops, as specified in the Directions for Use

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**20L**

**110L**

**1000L**

# IMIDACLOPRID 600 FS INSECTICIDE

## DIRECTIONS FOR USE

CROP	PEST	RATE	CRITICAL COMMENTS
Cotton	Thrips	875 mL or 1.17 L per 100 kg seed	Thrips damage is dependent upon thrips infesting cotton seedlings and the subsequent growth rate of the plants. Choose a higher rate if thrips pressure is expected (e.g. winter cereal and weeds supporting thrips) and/or cotton seedlings are expected to experience slow growth (e.g. cool weather from early planting or sown in shorter season districts). The mid-rate is considered a general rate for normal conditions.
	Aphids	875 mL or 1.17 L per 100 kg seed	When applied for thrips control, these rates will also control early season aphids.
	Brown Flea Beetle	875 mL or 1.17 L per 100 kg seed	When applied for thrips control, these rates will also reduce damage to cotyledons caused by brown flea beetle.
	Wireworms	875 mL or 1.17 L per 100 kg seed	Use the higher rate for increased length of control.
Maize, Sorghum, Sunflower, Sweetcorn	Sugarcane Wireworm ( <i>Agrypnus variabilis</i> ), Eastern False Wireworm ( <i>Pterohelaeus darlingensis</i> ), Striate False Wireworm ( <i>Pterohelaeus alternatus</i> ), Southern false wireworm ( <i>Gonocephalum macleayi</i> ), Black Field Earwig ( <i>Naiva lividipes</i> ), Wingless Cockroach ( <i>Cosmozostena</i> spp., <i>Calolampra elegans</i> , <i>C. solidata</i> )	Maize: 1.4 mL per 1000 seeds	Apply only to high quality seed. Ensure thorough coverage of seed.
	Filed Cricket ( <i>Teleogryllus commodus</i> ), Black Sunflower Scarab ( <i>Pseudaoheteonyx basicollis</i> )	Sorghum, Sunflower, Sweetcorn: 430 mL per 100 kg of seed	
Canola	Aphids	400 mL per 100 kg of seed	Swan Imidacloprid 600 FS Insecticide will protect canola seedlings from early season aphid damage.
Forage and seed pasture, e.g., grasses such as Ryegrass, Fescue and Phalaris; Clovers such as Subterranean, White, and Strawberry; Medics; Lucerne	Blue Oat Mite, Red Legged Earth Mite		Swan Imidacloprid 600 FS Insecticide will protect emerging seedlings for 3-4 weeks after sowing. Crops must be monitored in the first 4 weeks of emergence to ensure product performance.
	Forage Brassicas (Kale, Turnips, Rape and Lucerne)		<b>For autumn sowing:</b> After a pasture phase sow Swan Imidacloprid 600 FS Insecticide treated seed following a well-timed spring spray (prior to the development of diapause eggs) of omethoate 290 SL Insecticide. After a cropping phase a spring spray is not usually required, however if monitoring in spring finds moderate mite populations, a spring spray should be applied. <b>For spring sowing:</b> After a pasture phase apply a spray of omethoate 290 SL prior to sowing Swan Imidacloprid 600 FS Insecticide treated seed.
Lupins		300 mL per 100 kg seed	Swan Imidacloprid 600 FS Insecticide does not affect the viability of Rhizobia when Swan Imidacloprid 600 FS Insecticide is mixed with inoculant and seed is sown immediately into moist soil.
Cereals	Feeding damage caused by wheat aphid and corn aphid	120 or 240 mL per 100 kg of seed	Use the higher rate for increased length of control and in areas of high risk.
	Spread of barley yellow dwarf virus		In high-risk areas with over 500 mm of rain or in moderate risk areas with over 400 mm of rain in seasons following summer rains, a synthetic pyrethroid top-up spray should be applied 7 to 8 weeks after sowing.

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

## WITHHOLDING PERIODS

### Harvest

**Cotton and food producing crops: NOT REQUIRED WHEN USED AS DIRECTED**

### Grazing

**Maize, Sorghum, or Sweetcorn plants grown from treated seed: DO NOT GRAZE OR CUT FOR STOCK FOOD WITHIN 4 WEEKS OF SOWING.**

**Pasture, Canola or Forage Brassica plants grown from treated seed: DO NOT GRAZE OR CUT FOR STOCKFEED FOR 6 WEEKS OF SOWING.**

**Cereal plants grown from treated seed: DO NOT GRAZE OR CUT FOR STOCKFEED WITHIN 9 WEEKS OF SOWING.**

**Lupins plants grown from treated seed: DO NOT GRAZE OR CUT FOR STOCKFEED WITHIN 16 WEEKS OF SOWING**

## GENERAL INSTRUCTIONS

### Cotton

#### Mixing and Seed Treatment

Prior to pouring or pumping Swan Imidacloprid 600 FS Insecticide from the container, either shake the container vigorously or operate pump by-pass to ensure thorough mixing of the contents. Flowable formulations will settle over time. Add most of the water into the mixing vat, followed by flowable fungicides (e.g., quintozene), coating agents (e.g., Peridam, Nancret) and Swan Imidacloprid 600 FS Insecticide and stir until homogeneous. Then add the emulsifiable liquid fungicide (e.g., Metalaxyl 200 SL) slowly whilst stirring. Calibrate commercial seed dressing equipment to ensure the seed throughput is mixed with the correct dose of slurry seed dressing. Ensure the seed dressing mixture is applied to the maximum number of seeds when initially applied to the seed. Retain seed in mixing chamber until coverage on seed is good. Store treated seed under cover in cool, dry conditions. DO NOT treat seed with poor viability. DO NOT store treated seed near foodstuff or where likely to prove hazardous to humans or animals.

#### Forage and Seed Pasture, Canola, Forage Brassicas, Lupins, Summer Crops Mixing and Seed Treatment

Prior to pouring, shake container vigorously, then add the required quantity of Swan Imidacloprid 600 FS Insecticide to sufficient water to give even coverage of the seed to be treated. Place seed in mixing equipment and rotate. Mix Swan Imidacloprid 600 FS Insecticide with sufficient water to give even coverage of seed and spray onto seed. For small seeds, apply a total volume of Swan Imidacloprid 600 FS Insecticide plus water of 1.5 L per 100 kg seed. For large seeds, apply a total volume of Swan Imidacloprid 600 FS Insecticide plus water of 500 mL per 100 kg seed. Continue rotation until all liquid is distributed on seed. Store treated seed under cover in cool, dry conditions. DO NOT treat seed with poor viability. DO NOT store treated seed near foodstuff or where likely to prove hazardous to humans or animals. DO NOT carry over maize, sorghum, sunflower or sweet corn seed from one season to the next season. The insecticidal activity of Swan Imidacloprid 600 FS Insecticide on the seed is maintained for a minimum of two seasons. Flow rate: Swan Imidacloprid 600 FS Insecticide treated seed may slow flow rate of seed. Check flow rate of seed through sowing machinery before sowing to ensure the desired seeding rate is achieved.

### Cereal Crops

#### Mixing and Seed Treatment

Prior to pouring, shake container vigorously, then add the required quantity of Swan Imidacloprid 600 FS Insecticide to sufficient water to give even coverage of the cereal seed to be treated. The quantity of water used for mixing will vary depending on type of equipment and quantity of seed. Use a minimum of 400 mL of mixture (product + water) with each 100 kg of seed. Whatever dilution is used it is essential that 120 mL or (240 mL) of Swan Imidacloprid 600 FS Insecticide is applied/100 kg seed. The mixture should be gently stirred regularly.

#### Seed Quality

Swan Imidacloprid 600 FS Insecticide seed treatment should not be used on seed with more than 12% moisture content, or on sprung, sprouted, damaged or severely pinched seed of poor viability. If in doubt, have a germination test carried out on the seed before treatment to ensure that it is of acceptable standard. Treating with Swan Imidacloprid 600 FS Insecticide as directed may raise the moisture level of the seed by up to 0.6%, depending on conditions at treatment. The use of Swan Imidacloprid 600 FS Insecticide mixed with the water at recommended rates will have no effect on the storage life of treated sound seed.

#### Storage of Treated Seed

DO NOT store treated seed near foodstuff or where likely to prove hazardous to humans or animals. If the seed is not used immediately after treatment, it should be stored in a dry, well-ventilated place. Although Swan Imidacloprid 600 FS Insecticide has no effect on the viability of treated seed, subsequent germination can be adversely affected by poor storage conditions such as high moisture combined with high temperatures. No liability can therefore be accepted for the performance of stored treated seed.

## INSECTICIDE RESISTANCE WARNING

**GROUP 4A INSECTICIDE**

For insecticide resistance management Swan Imidacloprid 600 FS Insecticide is a group 4A insecticide. Some naturally occurring insect biotypes resistant to Swan Imidacloprid 600 FS Insecticide and other Group 4A insecticides may exist through normal genetic variability in any insect population. The resistant individuals can eventually dominate the insect population if Swan Imidacloprid 600 FS Insecticide and other group 4A insecticides are used repeatedly. The effectiveness of Swan Imidacloprid 600 FS Insecticide on resistant individuals could be significantly reduced. Since the occurrence of resistant individuals is difficult to detect prior to use, Swan Chemical Holdings Pty Ltd accepts no liability for any losses that may result from the failure of Swan Imidacloprid 600 FS Insecticide to control resistant insects. Swan Imidacloprid 600 FS Insecticide may be subject to specific resistance management strategies. For further information contact your supplier, Swan Chemical Holdings Pty Ltd representative or local agricultural department agronomist.

### PRECAUTIONS

When treated seed is stored it should be kept apart from other grain and the bags or other containers should be clearly marked to indicate the contents have been treated with this product. DO NOT allow seed treated with this product to contaminate seed intended for human consumption. DO NOT use treated seed for human consumption. Bags which have held treated seed are not to be used for any other purpose.

### PROTECTION OF LIVESTOCK

Seed treated with this product must not be used for animal consumption or poultry feed or mixed with animal feed. DO NOT allow seed treated with this product to contaminate seed intended for animal consumption.

### PROTECTION OF WILDLIFE, FISH, CRUSTACEANS AND ENVIRONMENT

DO NOT contaminate ponds, watercourses and drains with this product, used containers or bags which have held treated seed. DO NOT feed treated seed or otherwise expose to wild or domestic birds. Any spillages of treated seed, however minor, must be cleaned up immediately, preferably by recovery and re-use. If disposal is required, ensure treated seeds as thoroughly buried and not accessible to birds and other wildlife.

### STORAGE AND DISPOSAL

Store in the closed, original container in a cool, well-ventilated area. DO NOT store for prolonged periods in direct sunlight. Triple-rinse containers before disposal. Add rinsings to the spray tank. DO NOT dispose of undiluted chemicals on site. If recycling return clean containers to recycler or collection point. If not recycling, break, crush or puncture and deliver empty packaging for appropriate disposal 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.

### SAFETY DIRECTIONS

Harmful if swallowed. May irritate the eyes and skin. Repeated exposure may cause allergic disorders. Avoid contact with the eyes and skin. When opening the container and using the product, wear elbow length PVC gloves. Wash hands after use. After each day's use wash gloves.

### FIRST AID INSTRUCTIONS

If poisoning occurs contact a Doctor, or Poisons Information Centre, Phone Australia 13 11 26.

### SAFETY DATA SHEET

Additional information is listed in the Safety Data Sheet (SDS) that can be obtained from the supplier.

### LIMIT OF WARRANTY AND LIABILITY

Swan Chemical Holdings Pty Ltd. ('Swan') warrants that this material conforms to the chemical description on the label. As the use of product sold is beyond the control of Swan, no responsibility whatsoever for any consequences is accepted in respect of this product, save those non-excludable conditions implied by any State and Federal legislation or law of a Territory. Not for repackaging or reformulation. No license under any non-Australian patent is granted or implied by purchase of this container.

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APVMA Approval No: 96491/149528

DOM:

Batch No:



**SWAN**