

Smart

Imidacloprid 600

PEEL
HERE

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

FLOWABLE SEED DRESSING INSECTICIDE

ACTIVE CONSTITUENT: 600 g/L IMIDACLOPRID

Group **4A** Insecticide

For the control of thrips, aphids, brown flea beetle and wireworms on cotton, protection of canola, pastures and lupins from damage by redlegged earth mite and blue oat mite; control of aphids and prevention of spread of barley yellow dwarf virus in cereal crops; control of some soil pests of summer crops.



IMPORTANT:
READ THE ATTACHED LEAFLET
BEFORE USING THIS PRODUCT
SHAKE WELL BEFORE USE

Crop Smart
better crop protection

APVMA Approval No.: 66379/53537

Contents: 1L, 5L, 10L, 20L

Distributed by:
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STORAGE AND DISPOSAL

Store in the original container, tightly closed in a safe well-ventilated area, as cool as possible. DO NOT store for prolonged periods in direct sunlight.

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 point or similar container management program site. The cap should not be replaced but may be taken separately.

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 and product.

SAFETY DIRECTIONS

Harmful if swallowed. Will 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


If poisoning occurs, contact a Doctor or Poisons Information Centre **Phone Australia 131126**.

MATERIAL SAFETY DATA SHEET

Additional information is listed in the Material Safety Data Sheet which can be obtained from the supplier.

CONDITION OF SALE

Crop Smart Australia Limited ("Crop Smart") shall not be liable for any loss, injury, damage or death whether consequential or otherwise whatsoever, or howsoever arising through negligence or otherwise in connection with the sale, supply, use or application of this product. The supply of this product is on the express conditions that the purchaser does not rely on Crop Smart's skill or judgement in purchasing or using the same and every person dealing with this product does so at his own risk absolutely. No representative of Crop Smart has any authority to alter these conditions.

<p>In a Transport Emergency Dial 000 Police or Fire Brigade</p>	
	<p>Pesticide, liquid, toxic N.O.S (contains imidacloprid) UN 2902 HAZCHEM 2X</p>

<p>IN A TRANSPORT EMERGENCY DIAL 000 POLICE OR FIRE BRIGADE</p>
<p>CROP SMART PTY LTD EMERGENCY CONTACT 1300 783 481 AUSTRALIA WIDE, 24 HOURS</p>

DIRECTIONS FOR USE:

See General Instructions for specific application details.

CROP	PEST	RATE	CRITICAL COMMENTS
Cotton	Thrips	875mL or 1.17 L/100kg seed	Thrips damage is dependant upon thrips infesting cotton seedlings and the subsequent growth rate of the plants. Choose a higher rate if thrips pressure is expected (eg winter cereal and weeds supporting thrips) and/or cotton seedlings are expected to experience slow growth (eg cool weather from early planting or sown in shorter season districts). The mid-rate is considered a general rate for normal conditions.
	Aphids		When applied for thrip control, these rates will also control early season aphids.
	Brown Flea beetle		When applied for thrip control, these rates will also reduce damage to cotyledons caused by brown flea beetle.
	Wireworms		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>Nalva lividipes</i>), Wingless coackroach (<i>Cosmozosteria</i> spp., <i>Calolampra elegans</i> , <i>C. solidata</i>) Field cricket (<i>Teleogryllus commodus</i>), Black sunflower scarab (<i>Pseudoheteonyx basicollis</i>)	Maize: 1.4mL/1000 seeds Sorghum, sunflower, sweet corn: 430mL/100kg of seed	Apply only to high quality seed. Ensure thorough coverage of seed. See General Instructions for how to treat seed.

CROP	PEST	RATE	CRITICAL COMMENTS
Canola	Aphids	400mL/100kg of seed	Smart Imidacloprid 600 will protect canola seedlings from early season aphid damage.
Forage and seed pasture, eg grasses such as ryegrass, fescue and phalaris; clovers such as subterranean, white, and strawberry; medics; lucerne	Blue Oat mite, red legged earth mite		Smart Imidacloprid 600 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. For autumn sowing: After a pasture phase sow Smart Imidacloprid 600 treated seed following a well timed spring spray (prior to the development of diapause eggs) of Le-Mat 290SL 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. For spring sowing: After a pasture phase apply a spray of ometoate insecticide prior to sowing Smart Imidacloprid 600 treated seed. Smart Imidacloprid 600 does not affect the viability of Rhizobia when Smart Imidacloprid 600 is mixed with inoculant and seed is sown immediately into moist soil.
			Forage brassicas (kale, turnips, rape and Swedes)
Lupins			300mL/100kg seed
Cereals	Feeding damage caused by wheat aphid and corn aphid	120 or 240mL/100kg 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 500mm of rain or in moderate risk areas with over 400mm of rain in seasons following summer rains, a synthetic pyrethroid top-up spray should be applied 7-8 weeks after sowing.

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

WITHHOLDING PERIOD:

Harvest:

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

Grazing:

Maize, sorghum, or sweet corn plants growing 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 SIX WEEKS OF SOWING.

Cereal plants grown from treated seed: DO NOT GRAZE OR CUT FOR STOCK FOOD WITHIN NINE WEEKS OF SOWING.

Lupin plants grown from treated seed: DO NOT GRAZE OR CUT FOR STOCK FOOD WITHIN 16 WEEKS OF SOWING.

GENERAL INSTRUCTIONS

Insecticide Resistance Warning

GROUP	4A	INSECTICIDE
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For insecticide resistance management Smart Imidacloprid 600 Flowable Seed Dressing Insecticide is a group 4A insecticide. Some naturally occurring insect biotypes resistant to Smart Imidacloprid 600 Flowable Seed Dressing 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 Smart Imidacloprid 600 Flowable Seed Dressing Insecticide and other group 4A insecticides are used repeatedly. The effectiveness of Smart Imidacloprid 600 Flowable Seed Dressing Insecticide on resistant individuals could be significantly reduced. Since the occurrence of resistant individuals is difficult to detect prior to use, Crop Smart Pty Ltd accepts no liability for any losses that may result from the failure of Smart Imidacloprid 600 to control resistant insects. Smart Imidacloprid 600 Flowable Seed Dressing Insecticide may be subject to specific resistance management strategies. For further information contact your supplier, Crop Smart representative or local agricultural department agronomist.

Cotton

Mixing and seed treatment

Prior to pouring or pumping Smart Imidacloprid 600 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 (eg quintozene), coating agents (eg Peridam, Nancret) and Chice Immi 600 and stir until homogeneous. Then add the emulsifiable liquid fungicide (e.g. Apron 200SL) 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 foodstuffs or where likely to prove hazardous to humans or animals.

Forage and seed pasture, canola, forage brassicas, lupin, summer crops

Mixing and seed treatment

Prior to pouring, shake container vigorously, then add the required quantity of Smart Imidacloprid 600 to sufficient water to give even coverage of the seed to be treated. Place seed in mixing equipment and rotate. Mix Smart Imidacloprid 600 with sufficient water to give even coverage of seed and spray onto seed. For small seeds, apply a total volume of Smart Imidacloprid 600 plus water of 1.5 L/100kg seed. For large seeds, apply a total volume of Smart Imidacloprid 600 plus water of 500 mL/100kg 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 foodstuffs 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 Smart Imidacloprid 600 on the seed is maintained for a minimum of two seasons.

Flow rate: Smart Imidacloprid 600 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 Smart Imidacloprid 600 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 Smart Imidacloprid 600 is applied/100 kg seed. The mixture should be gently stirred regularly.

Seed quality

Smart Imidacloprid 600 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 Smart Imidacloprid 600 as directed may raise the moisture level of the seed by up to

0.6%, depending on conditions at treatment. The use of Smart Imidacloprid 600 mixed with the water at recommended rates will have no effect on the storage life of treated sound seed.

Compatibility

Smart Imidacloprid 600 Flowable Seed Dressing Insecticide is compatible with Baytan C Flowable Seed Dressing and Raxil C Flowable Seed Dressing for use on cereal seeds. Do not use more than 600 mL of total mixture /100 kg seed (i.e. Smart Imidacloprid 600 plus Baytan or Raxil plus water). Smart Imidacloprid 600 Flowable Seed Dressing Insecticide may be applied with Jockey Systemic Seed Fungicide or with Semevin P Seed Dressing Insecticide.

Storage of treated seed

Do not store treated seed near foodstuffs 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 Smart Imidacloprid 600 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.

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, waterways 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, preferable by recovery and re-use. If disposal is required, ensure treated seeds as thoroughly buried and not accessible to birds and other wildlife.