



Product Name: RAINBOW IMIDACLOPRID 600 SC INSECTICIDE
APVMA Approval No: 66508/140886

Label Name:	RAINBOW IMIDACLOPRID 600 SC INSECTICIDE
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Signal Headings:	POISON KEEP OUT OF REACH OF CHILDREN READ SAFETY DIRECTIONS BEFORE OPENING OR USING
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Constituent Statements:	ACTIVE CONSTITUENT: 600 g/L IMIDACLOPRID
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Mode of Action:	GROUP 4A INSECTICIDE
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Statement of Claims:	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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Net Contents:	1 L - 1000 L
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Restrains:	
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Directions for Use:	This section contains file attachment.
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Other Limitations:	
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Withholding Periods:	WITHHOLDING PERIOD: Harvest: Cotton and food producing crops: NOT REQUIRED WHEN USED AS DIRECTED Grazing:
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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 SIXTEEN WEEKS OF SOWING.

Trade Advice:

General Instructions:

Cotton

Mixing and seed treatment

Prior to pouring or pumping Rainbow Imidacloprid 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. quintozone), coating agents (e.g. Peridam, Nancret) and Rainbow Imidacloprid 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 foodstuffs 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 Rainbow Imidacloprid 600 to sufficient water to give even coverage of the seed to be treated. Place seed in mixing equipment and rotate. Mix Rainbow Imidacloprid 600 with sufficient water to give even coverage of seed and spray onto seed. For small seeds, apply a total volume of Rainbow Imidacloprid 600 plus water of 1.5 L/100kg seed. For large seeds, apply a total volume of Rainbow 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 Rainbow Imidacloprid 600 on the seed is maintained for a minimum of two seasons. Flow rate: Rainbow 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 Rainbow 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 Rainbow Imidacloprid 600 is applied/100 kg seed. The mixture should be gently stirred regularly.

Seed quality

Rainbow 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 Rainbow Imidacloprid 600 as directed may raise the moisture level of the seed by up to 0.6%, depending on conditions

	<p>at treatment. The use of Rainbow Imidacloprid 600 mixed with the water at recommended rates will have no effect on the storage life of treated sound seed.</p> <p>Compatibility Rainbow Imidacloprid 600 is compatible with Cypermethrin 4/Triadimenol 150 and Cypermethrin 4/Tebuconazole 25 for use on cereal seeds. Do not use more than 600 mL of total mixture /100 kg seed (i.e. Rainbow Imidacloprid 600 plus Cypermethrin 4/Triadimenol 150 or Cypermethrin 4/Tebuconazole 25 plus water).</p> <p>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 Rainbow 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.</p>
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Resistance Warning:	<p>INSECTICIDE RESISTANCE WARNING GROUP 4A INSECTICIDE For insecticide resistance management Rainbow Imidacloprid 600 is a group 4A insecticide. Some naturally occurring insect biotypes resistant to Rainbow Imidacloprid 600 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 Rainbow Imidacloprid 600 and other group 4A insecticides are used repeatedly. The effectiveness of Rainbow Imidacloprid 600 on resistant individuals could be significantly reduced. Since the occurrence of resistant individuals is difficult to detect prior to use, Shandong Rainbow International Co Ltd accepts no liability for any losses that may result from the failure of Rainbow Imidacloprid 600 to control resistant insects. Rainbow Imidacloprid 600 may be subject to specific resistance management strategies. For further information contact your local supplier, Rainbow representative or local agricultural department agronomist.</p>
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Precautions:	<p>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.</p>
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Protections:	<p>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.</p> <p>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 are thoroughly buried and not accessible to birds and other wildlife.</p>
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Storage and Disposal:	<p>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 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,</p>
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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. Will irritate the eyes and skin. Repeated exposure may cause allergic disorders. Avoid contact with 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, New Zealand 0800 764 766.

First Aid Warnings:

DIRECTIONS FOR USE

For ULV application: Imidacloprid 600 SC Insecticide can be bulked up with spraying oils for all uses except those indicated in the critical comments in the Direction for Use table below.

Crop	Pest	Rate	Critical Comments
Cotton	Thrips	875mL or 1.17 L/100kg 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	875mL or 1.17 L/100kg seed	When applied for thrips control, these rates will also control early season aphids.
	Brown flea beetle	875mL or 1.17 L/100kg seed	When applied for thrips control, these rates will also reduce damage to cotyledons caused by brown flea beetle.
	Wireworms	875mL or 1.17 L/100kg 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>Nalva lividipes</i>), Wingless coackroach (<i>Cosmozosteria</i> spp., <i>Calolampra elegans</i> , <i>C. solidata</i>) Filed 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.
Canola	Aphids Blue Oat mite, red legged earth mite	400 mL/ 100kg of seed	Rainbow Imidacloprid 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			Rainbow Imidacloprid 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 Rainbow Imidacloprid 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 omethoate prior to sowing Rainbow Imidacloprid treated seed. Rainbow Imidacloprid does not affect the viability of Rhizobia when Rainbow Imidacloprid is mixed with inoculant and seed is sown immediately into
Forage brassicas			

Crop	Pest	Rate	Critical Comments
(kale, turnips, rape and swedes)			moist soil.
Lupins		300 mL/100kg seed	
Cereals	Feeding damage caused by wheat aphid and corn aphid	120 or 240 mL/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**