

POISON

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

TITAN

IMIDACLOPRID 600

FLOWABLE SEED DRESSING INSECTICIDE

ACTIVE CONSTITUENT: 600g/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.

APVMA Approval No.: 67321/55797

Pack Size: 1L; 2.5L; 20L; 100L; 110-1000L



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IN A TRANSPORT EMERGENCY

DIAL 000

POLICE OR FIRE BRIGADE



UN 3082
ENVIRONMENTALLY
HAZARDOUS SUBSTANCE,
LIQUID, N.O.S.,
MARINE POLLUTANT
PG: III Hazchem: .3Z

DIRECTIONS FOR USE

See General Instructions for specific application details.

CROP	PEST	RATE	CRITICAL COMMENTS
Cotton	Thrips	875mL or 1.17L/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		When applied for thrips control, these rates will also control early season aphids.
	Brown Flea Beetle		When applied for thrips control, these rates will also reduce damage to cotyledons caused by Brown Flea Beetle.
	Wireworms	875mL or 1.17L/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 Cockroach (<i>Cosmozosteria</i> spp., <i>Calolampira 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, Sweetcorn: 430mL/100kg of seed	Apply only to high quality seed. Ensure thorough coverage of seed.
Canola	Aphids	400mL/100kg of seed	TITAN Imidacloprid 600 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, Redlegged Earth Mite	400mL/100kg of seed	TITAN 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 TITAN 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 omethoate prior to sowing TITAN Imidacloprid treated seed. TITAN Imidacloprid 600 does not affect the viability of Rhizobia when TITAN Imidacloprid 600 is mixed with inoculant and seed is sown immediately into moist soil.
Forage brassicas (Kale, Turnips, Rape and Swedes)		300mL/100kg seed	
Lupins			
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

For insecticide resistance management TITAN Imidacloprid 600 Flowable Seed Dressing

GROUP **4A** INSECTICIDE

Insecticide is a group 4A insecticide. Some naturally occurring insect biotypes resistant to TITAN 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 TITAN Imidacloprid 600 Flowable Seed Dressing Insecticide and other group 4A insecticides are used repeatedly. The effectiveness of TITAN 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, TITAN AG Pty Ltd accepts no liability for any losses that may result from the failure of TITAN Imidacloprid 600 Flowable Seed Dressing Insecticide to control resistant insects. TITAN Imidacloprid 600 Flowable Seed Dressing Insecticide may be subject to specific resistance management strategies. For further information contact your supplier, TITAN representative or local agricultural department agronomist.

COTTON

Mixing and seed treatment

Prior to pouring or pumping TITAN Imidacloprid 600 Flowable Seed Dressing 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 TITAN Imidacloprid 600 Flowable Seed Dressing Insecticide 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, LUPINS, SUMMER CROPS

Mixing and seed treatment

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

Flow rate: TITAN Imidacloprid 600 Flowable Seed Dressing 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 TITAN Imidacloprid 600 Flowable Seed Dressing 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 400mL of mixture (product + water) with each 100kg of seed. Whatever dilution is used it is essential that 120mL or (240mL) of TITAN Imidacloprid 600 Flowable Seed Dressing Insecticide is applied/100kg seed. The mixture should be gently stirred regularly.

SEED QUALITY

TITAN Imidacloprid 600 Flowable Seed Dressing 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 TITAN Imidacloprid 600 Flowable Seed Dressing Insecticide as directed may raise the moisture level of the seed by up to 0.6%, depending on conditions at treatment. The use of TITAN Imidacloprid 600 Flowable Seed Dressing Insecticide mixed with the water at recommended rates will have no effect on the storage life of treated sound seed.

COMPATIBILITY

TITAN 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 600mL of total mixture/100kg seed (i.e. TITAN Imidacloprid 600 plus Baytan or Raxil plus water). TITAN 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 TITAN Imidacloprid 600 Flowable Seed Dressing 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.

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.

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 point of sale. If not recycling break, crush or puncture and bury containers at a local authority landfill. If not available bury the container below 500mm in a disposal pit specifically marked and set up for this purpose clear of waterways, desirable vegetation and tree roots. Empty containers and product should not be burnt.

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; New Zealand 0800 764 766.

SAFETY DATA SHEET

Additional information is listed in the safety data sheet (SDS). A safety data sheet for TITAN Imidacloprid 600 Flowable Seed Dressing Insecticide is available from TITAN AG Pty Ltd on request. Call Customer Service on (02) 9999 6655 or visit www.titanag.com.au



CONDITIONS OF SALE: TITAN AG Pty Ltd shall not be liable for any loss injury damage or death whether consequential or otherwise whatsoever or howsoever arising whether 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 condition that the purchaser does not rely on TITAN AG's skill or judgment in purchasing or using the same and every person dealing with this product does so at his own risk absolutely. No representative of TITAN AG Pty Ltd has any authority to add to or alter these conditions.

Additional statements required by Globally Harmonised System of Classification and Labelling of Chemicals (GHS) and Safe Work Australia: Harmful if swallowed. Very toxic to aquatic life with long lasting effects. Precautionary: Avoid release to the environment. Wash hands thoroughly after handling. Do not eat, drink or smoke when using this product. IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell. Rinse mouth. Collect spillage. Dispose of contents/container in accordance with local/regional/national regulations.

