

POISON

KEEP OUT OF REACH OF CHILDREN

READ SAFETY DIRECTIONS BEFORE OPENING OR USING



syngenta.

**ACTIVE CONSTITUENTS: 210 g/L THIAMETHOXAM
37.5 g/L LAMBDA-CYHALOTHRIN**

GROUP 3A | 4A INSECTICIDE

For treatment of Canola and Cereal seed for early plant protection against Aphids, Red Legged Earth Mite and Lucerne Flea and control of stored grain pests in stored Cereal planting seed

Syngenta Australia Pty Ltd
Level 1, 2-4 Lyonpark Road, Macquarie Park NSW 2113

In a transport emergency dial 000, Police or Fire Brigade
For specialist advice in an emergency only, call 1800 033 111 (24 hours)

APVMA Approval No: 65888/59058

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DIRECTIONS FOR USE

Restraints

DO NOT apply treated seed from aircraft. Drilling for seed sowing and coverage by soil is required.

DO NOT use on seed intended for animal or human consumption.

Crop	Pest	Rate mL/100kg seed	Critical Comments
Canola	Control of Aphids: Green Peach (<i>Myzus persicae</i>), Grey Cabbage (<i>Brevicoryne brassicae</i>)	500 to 1000	CRUISER OPTI will protect canola seedlings from early season aphid feeding damage. Use the higher rate in areas where higher pest pressure is expected or a longer period of control is required.
	Suppression of Red Legged Earth Mites (<i>Halotydeus destructor</i>), Lucerne Flea (<i>Sminthurus viridis</i>)	1000	CRUISER OPTI will protect emerging seedlings and reduce feeding damage for 4 to 5 weeks after sowing. Crops must be monitored in the first 4 weeks of emergence and an insecticide spray applied if numbers exceed industry thresholds. If high numbers of Red Legged Earth Mites are expected then apply a bare earth spray prior to sowing. Use CRUISER OPTI seed treatment as part of an integrated mite management program that might include: For autumn sowing: After a pasture phase sow CRUISER OPTI treated seed following a well timed spring insecticide spray (prior to the development of diapause eggs). 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.
Cereals	Control of adult insects and progeny in storage Lesser grain Borer (<i>Rhyzopertha dominica</i>) Rice weevil (<i>Sitophilus oryzae</i>) Saw-toothed grain beetle (<i>Oryzaephilus surinamensis</i>) Flat grain beetle (<i>Cryptolestes ferrugineus</i>) Control of progeny of grain insects in storage Rust red flour beetle (<i>Tribolium castaneum</i>) Suppression of adult grain insects in storage Rust red flour beetle (<i>Tribolium castaneum</i>)	50	CRUISER OPTI will provide protection from the listed stored grain pests for up to 9 months. Cruiser OPTI should be used as part of an integrated silo management plan. Grain intended for treatment should be of high quality and free of infestation. If adult Rust red flour beetles were to be detected after cleaning, the bulk should be disinfested by an approved fumigation or other registered treatment before application of CRUISER OPTI.
	Control or suppression of above plus control of Feeding damage caused by Oat/Wheat Aphid (<i>Rhopalosiphum padi</i>) , Corn Aphid (<i>Rhopalosiphum maidis</i>)	165 to 330	CRUISER OPTI will protect cereal seedlings from early season aphid feeding damage. Use the higher rate in areas where higher pest pressure is expected or a longer period of control is required.

Crop	Pest	Rate mL/100kg seed	Critical Comments
Cereals cont.	Control or suppression of above plus suppression of Red Legged Earth Mites (<i>Halotydeus destructor</i>), Lucerne Flea (<i>Sminthurus viridis</i>)	330	CRUISER OPTI will protect emerging seedlings and reduce feeding damage for 4 to 5 weeks after sowing. Crops must be monitored in the first 4 weeks of emergence and an insecticide spray applied if numbers exceed industry thresholds. If high numbers of red legged earth mites are expected then apply a bare earth spray prior to sowing. Use CRUISER OPTI seed treatment as part of an integrated mite management program that might include: For autumn sowing: After a pasture phase sow CRUISER OPTI treated seed following a well timed spring insecticide spray (prior to the development of diapause eggs). 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.

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

WITHHOLDING PERIODS

Canola: Harvest: NOT REQUIRED WHEN USED AS DIRECTED

Grazing: DO NOT GRAZE OR CUT FOR STOCK FOOD FOR 6 WEEKS AFTER PLANTING

Cereals: Harvest: NOT REQUIRED WHEN USED AS DIRECTED

Grazing: DO NOT GRAZE OR CUT FOR STOCK FOOD FOR 8 WEEKS AFTER PLANTING

GENERAL INSTRUCTIONS

Mixing

Shake well before use to ensure that the suspension is thoroughly mixed.

For canola: Premix CRUISER OPTI with water to a total volume of not less than 800 mL (product plus water) nor more than 1.6 L (product plus water) /100 kg seed.

For cereals: CRUISER OPTI should be mixed with water to a minimum volume of 400 mL (product plus water)/100 kg seed and a maximum of 800 mL (product plus water)/100 kg seed before application. Maintain constant agitation of the slurry during application

Application

Coverage of all seeds is essential. CRUISER OPTI should be applied diluted with water in specialised seed treatment equipment. As for all such seed treatments, a good flow and metering system for the initial prepared solution is important. Depending on the type of seed treatment equipment, it may be necessary to increase the recommended amount of water slightly in order to ensure an optimal flow of the solution and an even treatment of seed.

Storage of treated grain

Treated grain should be stored away from direct sunlight, either in a sealed silo or in a well-ventilated silo where the grain can be regularly monitored prior to sowing. If it is safe to do so, bulks should be sampled from the top and bottom because insect infestations often develop first on the surface of bulk grain or at exposed outloading chutes.

Seed Quality

CRUISER OPTI seed treatment should not be used on seed with more than 12% moisture content, or on sprung, sprouted, damaged or severely pinched seed, or 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.

Insecticide Resistance Warning

GROUP 3A | 4A | INSECTICIDE

CRUISER OPTI Insecticide Seed Treatment is a combination of a Group 4A and a Group 3A insecticide. Some naturally occurring insect biotypes resistant to CRUISER OPTI and other Group 4A and Group 3A insecticides may exist through normal genetic variability in any insect population. The resistant individuals can eventually dominate the insect population if CRUISER OPTI and other Group 4A and Group 3A insecticides are used repeatedly. The effectiveness of CRUISER OPTI on resistant individuals could be significantly reduced. Since occurrence of resistant individuals is difficult to detect prior to use, Syngenta Australia Pty Ltd accepts no liability for any losses that may result from failure of CRUISER OPTI to control resistant insects. CRUISER OPTI may be subject to specific resistance management strategies.

CRUISER OPTI should also be used in conjunction with good grains storage hygiene and silo management.

For further information on resistance and grain storage management contact your supplier, Syngenta representative or local agricultural department agronomist.

Aphid and Redlegged Earth Mite Resistance Management

When seed has been treated with CRUISER OPTI, the first foliar insecticide/mite spray should be from a different insecticide group (ie not Group 4A or Group 3A)

PRECAUTIONS

DO NOT use treated seed for animal or human consumption.

DO NOT allow treated seed to contaminate grain or other seed intended for animal or human consumption.

DO NOT feed treated seed, or otherwise expose, to wild or domestic birds.

DO NOT undertake mixing/operator activities when ambient temperatures exceed 26°C, unless using cooled chemical-resistant suits or other control methods to maintain an acceptable working environment.

Protection of Birds: Treated seeds may be harmful to seed eating birds, and should be properly sown and completely covered by soil. Excess seed is not to be left in areas accessible to birds. Any spillage of treated seed which occurs either during the seed treatment process or in field operations 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.

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. Bags which have held treated seed should not be used for any other purpose.

PROTECTION OF LIVESTOCK

DO NOT feed treated seeds to animals, including poultry

PROTECTION OF WILDLIFE, FISH, CRUSTACEANS AND ENVIRONMENT

Very toxic to aquatic life. DO NOT contaminate wetlands or watercourses with this product or used containers.

STORAGE AND DISPOSAL

Store in closed original container in a cool, well ventilated area. DO NOT store for prolonged periods in direct sunlight.

[Non-returnable Containers]

Triple or preferably pressure rinse 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 designation collection point. If not recycling, break, crush or puncture and deliver empty packaging for appropriate disposal at 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.

[Returnable Containers]

Empty contents fully into application equipment. Close all valves and return to point of supply for refill or storage. DO NOT burn empty containers or product.

SAFETY DIRECTIONS

May irritate the eyes. Facial skin contact may cause temporary facial numbness. Avoid contact with eyes.

When preparing the slurry and using the prepared slurry, wear:

- chemical resistant clothing buttoned to the neck, wrist and ankles,
- washable hat
- elbow length chemical resistant gloves.

When undertaking bagging sewing activities, wear:

- cotton overalls over normal clothing buttoned to the neck and wrist
- half facepiece respirator with dust cartridge or canister.

When handling treated seed, wear:

- elbow length chemical resistant gloves
- half facepiece respirator with dust cartridge or canister.

If product on skin, immediately wash area with soap and 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, and contaminated clothing.

FIRST AID

If poisoning occurs, contact a doctor or Poisons Information Centre. Phone 131 126. If in eyes, hold eyes open, flood with water for at least 15 minutes and see a doctor.

MATERIAL SAFETY DATA SHEET

If additional hazard information is required, refer to the Material Safety Data Sheet. For a copy phone 1800 067 108 or visit our website at www.syngenta.com.au

DISCLAIMER

This product complies with the specifications in its statutory registration. Implied terms and warranties are excluded. Syngenta's liability for breach of the express or any non-excludable implied warranty is limited to product replacement or purchase price refund. The purchaser must determine suitability for intended purpose and take all proper precautions in the handling, storage and use of the product including those on the label and/or safety data sheet failing which Syngenta shall have no liability.

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