



POISON

KEEP OUT OF REACH OF CHILDREN

READ SAFETY DIRECTIONS BEFORE OPENING OR USING

Guardian[®]

RED SEED TREATMENT INSECTICIDE

ACTIVE CONSTITUENT: 600 g/L IMIDACLOPRID

GROUP 4A INSECTICIDE

For the control of various insect pests in a range of crops, protection against insect pest of stored cereal grains and the prevention of spread of barley yellow dwarf virus in cereal crops.

IMPORTANT: READ THE ATTACHED BOOKLET BEFORE USE

Contents: 10 L

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DIRECTIONS FOR USE

| CROP | PEST | RATE | CRITICAL COMMENTS |
|------------|---|------------------------------|---|
| Faba beans | Aphids | 120mL/100kg of seed | Guardian Red will protect seedlings from early season aphid infestation. |
| Field peas | | 60mL/100 kg of seed | Guardian Red does not affect the viability of rhizobia when Guardian Red is mixed with inoculant. |
| Lentils | | 240 mL/100kg of seed | |
| Canola | Aphids | 400mL/100kg seed | Guardian Red will protect canola seedlings from early season aphid damage. |
| | Redlegged earth mite | | |
| Lupins | Blue oat mite | 300 mL/100 kg of seed | <p>Guardian Red will protect emerging seedlings for 3-4 weeks after sowing. Crops must be monitored in the first 4 weeks of emergence to ensure Guardian Red performance.</p> <p>For autumn sowing: After a pasture phase sow Guardian Red treated seed following a well timed spring spray (prior to the development of diapause eggs) of Le-mat® 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.</p> <p>For spring sowing: After a pasture phase apply a spray of Le-mat prior to sowing Guardian Red treated seed.</p> <p>Guardian Red does not affect the viability of rhizobia when Guardian Red is mixed with inoculant and seed is sown immediately into a moist soil.</p> |
| Cereals | Feeding damage caused by wheat aphid and corn aphid | 120 or 240 mL/100 kg of seed | Use 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 rain or moderate risk areas with over 400 mm rain in seasons following summer rains, a synthetic pyrethroid top-up spray should be applied 7 to 8 weeks after sowing. |

| CROP | PEST | RATE | CRITICAL COMMENTS |
|---------|--|-----------------------|--|
| Cereals | Protection against insect pests of stored grains: Granary weevil (<i>Sitophilus granarius</i>) Indian meal moth (<i>Plodia interpunctella</i>) Lesser grain borer (<i>Rhyzopertha dominica</i>) Rice weevil (<i>Sitophilus oryzae</i>) Rust-red flour beetle (<i>Tribolium castaneum</i>) Sawtoothed grain beetle (<i>Oryzaephilus surinamensis</i>) Tropical warehouse moth (<i>Ephestia cautella</i>) | 120 mL/100 kg of seed | Guardian Red will control insect pests during the storage of cereal grains to be used for seed only. Seed treated with Guardian Red is not to be used for human consumption or animal feed. |

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

WITHOLDING PERIODS:

Harvest: Canola, cereals, faba beans, field peas, lentils & lupins: Not required when used as directed.

Grazing:

Canola: DO NOT GRAZE OR CUT FOR STOCKFOOD WITHIN 6 WEEKS OF SOWING

Cereals: DO NOT GRAZE OR CUT FOR STOCK FOOD WITHIN 9 WEEKS OF SOWING

Faba beans, field peas, lentils & lupins: DO NOT GRAZE OR CUT FOR STOCK FOOD WITHIN 16 WEEKS OF SOWING

TRADE ADVICE:

Export of treated produce

Growers should note that MRL'S or important tolerances do not exist in all markets for edible produce treated with Guardian Red. If you are growing edible produce for export, please check with UPL Australia Pty Ltd for the latest information on MRL'S and import tolerances before using Guardian Red.

GENERAL INSTRUCTIONS

Insecticide Resistance Warning

GROUP 4A INSECTICIDE

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

Mixing:

Flowable formulations will settle overtime. Prior to pouring or pumping Guardian Red from the container, either shake container vigorously or operate pump by-pass to ensure thorough mixing of the contents. When preparing mixtures the following mixing orders applies: flowable fungicides, coating agents (eg Peridiam) then Guardian Red and stir until homogenous. Add any emulsifiable liquids last whilst slowly stirring.

Application:

Calibrate commercial seed treatment equipment to ensure the seed throughout is mixed with the correct dose of slurry seed treatment. Ensure the seed treatment mixture is applied to the maximum number of seeds when initially applied to the seed. Retain seed in mixing chamber until good seed to seed coverage is achieved. Do not overmix seed as a detrimental effect on treatment quality may result. Use a range of 400-600mL total volume (Guardian Red plus water) with each 100kg of seed. Do not use a volume of more than 600ml with each 100kg of seed.

Sowing of Treated Seed:

Check flow rate of seed through sowing machinery before sowing to ensure the desired seed rate is achieved. Drilling for seed sowing is recommended.

Seed Quality

Guardian Red 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 seed before treatment to ensure that it is of acceptable standard. Treating with Guardian Red as directed may rise the moisture level of the seed by up to 0.6%, depending on conditions of treatment.

Compatibility

For information on compatibility of Guardian Red with other products contact your local UPL Australia Pty Ltd representative.

Storage of treated seed

Do not store treated seed near foodstuffs or where likely to prove hazardous to human or animals. If the seed is not used immediately after treatment it should be stored in a cool dry well ventilated place. Although Guardian Red 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. Guardian Red used as directed will have no effect on storage life of 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 the 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

Highly toxic to aquatic and terrestrial life. 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, preferably by recovery and re-use. If disposal is required, ensure treated seeds are thoroughly buried and not accessible to birds and other wildlife.

Storage and disposal

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, 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 or product.

Safety Directions

Harmful if swallowed. Will irritate 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 days use, wash gloves.

FIRST AID

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, which can be obtained from UPL Australia Pty Ltd.

Additional statements required by Globally Harmonised System for classification and labelling of chemicals (GHS) and Safe Work Australia:

Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray. Do not eat, drink or smoke when using this product. Use only outdoors or in a well-ventilated area. Contaminated work clothing should not be allowed out of the workplace.

IF SWALLOWED: Call a POISON CENTER or doctor/ physician if you feel unwell. Rinse mouth. IF

INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/ physician if you feel unwell.

If skin irritation or rash occurs: Get medical advice/ attention.

Wash contaminated clothing before reuse.

EXCLUSION OF LIABILITY

This product must be used strictly as directed, and in accordance with all instructions appearing on the label and in other reference material. So far as it is lawfully able to do so, UPL Australia Pty Ltd accepts no liability or responsibility for loss or damage arising from failure to follow such directions and instructions.

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