

POISON

KEEP OUT OF REACH OF CHILDREN

READ SAFETY DIRECTIONS BEFORE OPENING OR USING

Proguard[®] *Ultra*

CEREAL SEED TREATMENT

ACTIVE CONSTITUENTS: 360 g/L IMIDACLOPRID
12.5 g/L TEBUCONAZOLE

GROUP **3** FUNGICIDE

GROUP **4A** INSECTICIDE

For control of various insect pests and fungal diseases in a range of crops, protection against insect pests of stored cereal grains and the prevention of spread of barley yellow dwarf virus in cereal crops, as specified in the DIRECTIONS FOR USE table.

Contents: 10 L

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 **Arysta**
LifeScience

Directions for use

Crop	Disease/Pest	Rate	Critical Comments
Cereals	Feeding damage caused by wheat aphid and corn aphid Spread of barley yellow dwarf virus	200 mL/100 kg of seed	Refer to 'GENERAL INSTRUCTIONS – Application' for application instructions. In high risk areas (high annual rainfall) or moderate risk areas (medium annual rainfall) with the presence of high numbers of aphids following regular summer rains: A synthetic pyrethroid top-up spray should be applied 7 to 8 weeks after sowing.
	Protection against insect pests of stored grain: Granary weevil (<i>Sitophilus granaries</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>)	200mL/100kg seed	Proguard Ultra will control insect pests during the storage of cereal grains to be used for seed only. Seed treated with Proguard Ultra is not to be used for human consumption or animal feed.
Wheat	Bunt, flag smut (seed and soil borne), loose smut		Refer to 'GENERAL INSTRUCTIONS – Application' for application instructions
Barley	Covered and loose smut		
Oats	Covered and loose smut		

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

WITHHOLDING PERIODS

Harvest: NOT REQUIRED WHEN USED AS DIRECTED

Grazing: DO NOT GRAZE PLANTS GROWN FROM TREATED SEED OR CUT FOR STOCK FOOD WITHIN 9 WEEKS OF SOWING

GENERAL INSTRUCTIONS

Proguard Ultra may delay emergence of wheat. Crops will recover rapidly in most soils without any effect on yield. Sowing Proguard Ultra treated wheat deeper than 50 mm may reduced plant establishment in heavier soils or soils that will crust or clod at the surface after sowing. Sowing rates may need to be adjusted accordingly.

Seed Quality

Proguard Ultra 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 an acceptable standard. Treating with Proguard Ultra as directed may raise the moisture level of the seed by up to 0.6%, depending on conditions at treatment. The use of Proguard Ultra at the recommended rate will have no effect on the storage life of treated sound seed.

Application

Proguard Ultra should be mixed with water to give even coverage of seed. The quantity of water used for mixing will vary depending on type of equipment and quality of seed. A guide to the volume of mixture required for even coverage is 400-600mL (i.e Proguard Ultra plus water) with each 100kg of seed. Lower mixture rates can be used when the seed is treated professionally.

Compatibility

Please check with your distributor or local Arysta LifeScience Australia Pty Ltd representative before applying Proguard Ultra to pretreated seed, or in combination with other seed treatment products.

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 Proguard Ultra 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.

Insecticide Resistance Warning

GROUP 4A INSECTICIDE

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

GROUP 3 FUNGICIDE

Proguard Ultra is a member of the DMI group of fungicides. For fungicide resistance management the product is a Group 3 fungicide. Some naturally occurring individual fungi resistant to the product and other Group 3 fungicides may exist through normal genetic variability in any fungal population. The resistant individuals can eventually dominate the fungal population if these fungicides are used repeatedly. These resistant fungi will not be controlled by this product and other Group 3 fungicides, thus resulting in a reduction in efficacy and possible yield loss. Since the occurrence of resistant fungi is difficult to detect prior to use, Arysta LifeScience Australia Pty Ltd accepts no liability for any losses that result from failure of this product to control resistant fungi.

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 that 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, 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

Store in the closed, original container in a cool, well ventilated area. Do not store for prolonged periods in direct sunlight. Triple or preferably pressure rinse containers before disposal. Add rinsings to the 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 for appropriate disposal 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 Local, State or Territory government regulations. DO NOT burn empty containers or product. Do not reuse empty container for any other purpose.

SAFETY DIRECTIONS

Harmful if inhaled or swallowed. May irritate the eyes and skin. Avoid contact with eyes and skin. Do not inhale vapour or spray mist. Repeated exposure may cause allergic disorders. When opening the container, mixing and loading wear cotton overalls buttoned to the neck and wrist (or equivalent clothing) and elbow-length PVC gloves and half face piece respirator. Wash hands after use. After each days use wash gloves and contaminated clothing.

Re-entry or Re-handling Statement

Do not handle treated seed until it has dried unless wearing cotton overalls buttoned to the neck and wrist and chemical resistant gloves. Clothing must be laundered after each day's use.

FIRST AID

If poisoning occurs contact a doctor or Poisons Information Centre. (phone 13 11 26)

MATERIAL SAFETY DATA SHEET

Additional information is listed in the Material Safety Data Sheet, which can be obtained from Arysta LifeScience Australia Pty Ltd.

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, Arysta LifeScience Australia Pty Ltd accepts no liability or responsibility for loss or damage arising from failure to follow such directions and instructions.

® Proguard is a registered trademark of Arysta LifeScience Australia Pty Ltd

In an Transport Emergency Dial 000 Police or Fire Brigade	SPECIALIST ADVICE IN EMERGENCY ONLY 1800 033 111 ALL HOURS - AUSTRALIA WIDE
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