

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

Zorro[®]

CEREAL SEED TREATMENT

**Active Constituents: 180 g/L IMIDACLOPRID
56 g/L TRIADIMENOL**

GROUP	4A	INSECTICIDE
GROUP	C	FUNGICIDE

**For control of aphids and prevention of spread of barley yellow dwarf virus in cereal crops.
For control of bunt, flag smut and loose smut of wheat and suppression of seedling stripe rust and Septoria tritici blotch.**

**For control of covered smut, loose smut and powdery mildew of barley and suppression of leaf scald.
For control of loose and covered smut of oats.**

GENERAL INSTRUCTIONS

Zorro may delay emergence of wheat. Crops will recover rapidly in most soil types. However, seed treated with Zorro should not be sown in soils that are likely to crust or clod at the surface after sowing. Sowing Zorro treated wheat seed deeper than 50 mm may also slightly reduce percentage plant establishment in heavier soils and sowing rates may need to be adjusted accordingly. The possible delay in emergence may counteract the advantage of suppression of Septoria tritici blotch.

Insecticide Resistance Warning

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

Fungicide Resistance Warning

Zorro is a member of the DMI group of fungicides. For fungicide resistance management the product is a Group **C** fungicide. Some naturally occurring individual fungi resistant to the product and other Group **C** 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 **C** 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, Bayer CropScience accepts no liability for any losses that result from failure of this product to control resistant fungi.

Seed Quality

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

Application

This product can be applied neat. If using container rinsings, do not exceed a total application volume (product plus water) of 600 mL/100 kg seed. Ensure good agitation of product before application to seed. Ensure proper calibration of equipment before and during application. Thoroughly coat seed. Allow seed to dry before handling.

Compatibility

Please check with your distributor or local Bayer CropScience representative before applying Zorro 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 Zorro 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, 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

Product and Original Container

Store in the closed, original container in a cool, well-ventilated area. Do not store for prolonged periods in direct sunlight. **(20 L non-returnable containers only)**

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 bury empty containers in a local authority landfill. If no landfill is available, bury the containers below 500 mm 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.

(100 L returnable containers only)

If tamper evident seals are broken prior to initial use then the integrity of the contents cannot be assured. Empty container by pumping through dry-break connection system. Do not attempt to breach the valve system or the filling point, or contaminate the container with water or other products.

Ensure that the coupler, pump, meter and hoses are disconnected, triple rinsed and drained after each use. When empty, or contents no longer required, return the container to the point of purchase. This container remains the property of Bayer CropScience Pty Ltd.

Treated Seed and Containers of Treated Seed

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 use treated seed for human consumption. Bags which have held treated seed are not to be used for any other purpose.

SAFETY DIRECTIONS

May irritate the eyes. Avoid contact with eyes. When opening the container and loading wear cotton overalls buttoned to the neck and wrist (or equivalent clothing) and elbow-length PVC gloves. Wash hands after use. After each day's use, wash gloves and contaminated clothing.

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 www.bayercropscience.com.au.

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

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FOR 24 HOUR SPECIALIST ADVICE
IN EMERGENCY ONLY
PHONE 1800 033 111

DIRECTIONS FOR USE

CROP	PEST/DISEASE	STATE	RATE	CRITICAL COMMENTS
Cereals	Feeding damage caused by wheat aphid and corn aphid Spread of barley yellow dwarf virus	NSW, ACT, Vic, Tas, SA, WA	400 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. Refer to 'GENERAL INSTRUCTIONS – Application' for application instructions.
Wheat	Bunt, flag smut (seed and soil borne), loose smut, suppression of seedling infections of stripe rust, suppression of seedling infections of Septoria tritici blotch			
Oats	Covered and loose smut			
Barley	Covered and loose smut, control of seedling infections of powdery mildew, suppression of seedling infections of leaf scald			

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