

CAUTION

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

BATTALION[®] C

FLOWABLE SEED TREATMENT

ACTIVE CONSTITUENTS : 150 g/L TRIADIMENOL
4 g/L CYPERMETHRIN

GROUP	C	FUNGICIDE
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GROUP	3A	INSECTICIDE
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For Control of Bunt, Flag Smut and Loose Smut of wheat and suppression of Seedling Stripe Rust and Speckled Leaf 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.
For protection against insect pests of stored grain.

CONTENTS: 5-20 & 100-1000 LITRES

Crop Care Australasia Pty Ltd, Unit 15/16 Metroplex Avenue, Murarrie Qld 4172

DIRECTIONS FOR USE

RESTRAINT: DO NOT treat physically damaged seed.

Crop	Disease/Pest	Rate	Critical Comments
Wheat	Bunt Flag smut (seed and soil borne) Loose smut Suppression of seedling infections of Stripe rust (not NT)	100 mL/100 kg seed	BATTALION C Flowable Seed Treatment should be mixed with water to give an even coverage of seed. The quantity of water used for mixing will vary depending on type of equipment and quality of seed. Use a minimum of 400 mL of mixture (ie BATTALION C plus water) with each 100 kg of seed. DO NOT use more than 600 mL of mixture (product + water) with each 100 kg of seed. Whatever dilution is used it is essential that 100 mL (or 150 mL) of BATTALION C is applied/100 kg seed. The mixture should be gently stirred regularly. If nasal irritation occurs wear a face mask while treating seed. Use the 150 mL/100 kg seed rate in areas where foliar diseases frequently occur and where any of the following are required: - longer suppression of stripe rust on seedlings - control of seedling infections of powdery mildew - suppression of speckled leaf blotch in wheat - use higher rates for extended suppression of leaf scald in barley, on more susceptible varieties or where disease pressure is heavy.
Oats	Covered and Loose smut (not NT)		
Barley	Covered and Loose smut Suppression of seedling infections of Powdery mildew (not NT) Suppression of seedling infections of Leaf scald (not Qld, NT)		
Wheat	Bunt Flag smut (seed and soil borne) Loose smut Suppression of seedling infections of Stripe rust (not Qld, NT) Suppression of seedling infections of Speckled leaf blotch (not Qld, NT and WA)	150 mL/100 kg seed	
Barley	Covered and Loose smut Control of seedling infections of Powdery mildew Suppression of seedling infections of Leaf scald (not Qld, NT)		
Wheat Barley Oats	Protection against insect pests of stored grains: Granary weevil, Indian meal moth, Lesser grain borer, Rice weevil, Rust-red flour beetle, Sawtoothed grain beetle, Tropical warehouse moth (not NT)	100 or 150 mL/100 kg seed	Both rates give protection against insect pests. Use rate appropriate to disease control required.

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

WITHHOLDING PERIOD: DO NOT GRAZE OR CUT FOR STOCK FOOD WITHIN 5 WEEKS OF SOWING.

GENERAL INSTRUCTIONS

BATTALION C Flowable Seed Treatment, especially at the higher rate of 150 mL/100 kg seed, may delay emergence of wheat. Crops will recover rapidly in most soil types. However, seed treated with the 150 mL/100 kg seed rate should not be sown in soils that are likely to crust or clod at the surface after sowing. Sowing BATTALION C treated wheat 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 of wheat treated with the 150 mL/100 kg seed rate may counteract the advantage of suppression of speckled leaf blotch.

Seed Quality

BATTALION C 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 BATTALION C as directed will raise the moisture level of the seed by up to 0.6%, depending on weather conditions at treatment. The use of BATTALION C mixed with water at recommended rates will have no effect on the storage life of treated sound seed.

Storage of Treated Seed

Treated seed may be held over for sowing in the following season. If so, additional insecticide treatment may be necessary. If the seed is not used immediately after treatment it should be stored in a dry, well-ventilated place. Although BATTALION C 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.

Cleaning Augers

Equipment should be thoroughly cleaned with water. In the event of changing from this water based flowable formulation to a solvent based liquid formulation, it is essential to rinse equipment with methylated spirits after thoroughly cleaning with water. If changing from a solvent based liquid to this water based flowable, thoroughly clean with methylated spirits then rinse with water. Failure to do so will result in clogging of equipment.

Fungicide Resistance Warning

GROUP	C	FUNGICIDE
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BATTALION C is a member of the DMI group of fungicides. For fungicide resistance management the product is a Group C fungicide.

Some naturally occurring individual fungal populations 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 fungi 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, Crop Care Australasia Pty Ltd accepts no liability for any losses that may result from the failure of this product to control resistant fungi.

Insecticide Resistance Warning

GROUP	3A	INSECTICIDE
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For insecticide resistance management, BATTALION C is a Group 3A insecticide.

Some naturally occurring insect biotypes resistant to BATTALION C and other Group 3A insecticides may exist through normal genetic variability in any insect population. The resistant individuals can eventually dominate the insect population if BATTALION C or other Group 3A insecticides are used repeatedly. The effectiveness of BATTALION C on resistant individuals could be significantly reduced. Since occurrence of resistant individuals is difficult to detect prior to use, Crop Care Australasia Pty Ltd accepts no liability for any losses that may result from the failure of BATTALION C to control resistant insects.

BATTALION C may be subject to specific resistance management strategies. For further information contact your local supplier, Crop Care Australasia Pty Ltd representative or local agricultural department agronomist.

PRECAUTIONS

If possible, use a separate auger for treating seed. If using the same auger for treating seed and moving grain for human consumption, remove all BATTALION C residue from the auger to avoid contaminating untreated seed with seed dressing residues. DO NOT allow seed treated with this product to contaminate seed intended for human consumption.

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 feed treated seed or otherwise expose to wild or domestic birds. Harmful to fish. DO NOT contaminate streams, rivers or waterways with this chemical or containers or bags which have held treated seeds.

STORAGE AND DISPOSAL

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.

Store product in the closed, original container in a cool, well-ventilated area. Do not store for prolonged periods in direct sunlight.

(5- 20L only)

Triple or preferably pressure 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 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.

(100-1000L only)

Empty contents fully into application equipment. Close all valves and return to point of supply for refill or storage.

SAFETY DIRECTIONS

May irritate the eyes and skin. Facial skin contact may cause temporary facial numbness. Avoid contact with eyes and skin. After use and before eating, drinking or smoking, wash hands, arms and face thoroughly with soap and water.

FIRST AID

If poisoning occurs, contact a doctor or Poisons Information Centre. Phone Australia 131126.

Additional Information is listed in the Material Safety Data Sheet which can be obtained from your supplier or the Crop Care website: www.cropcare.com.au

Conditions of sale

Crop Care Australasia Pty Ltd will not accept any responsibility whatsoever and howsoever arising and whether for consequential loss or otherwise in connection with the supply or use of these goods other than responsibility for the merchantable quality of the goods and such responsibilities mandatorily imposed by Statutes applicable to the sale or supply of these goods. To the extent allowed by such Statutes the liability of Crop Care Australasia Pty Ltd is limited to the replacement of the goods or (at the option of Crop Care Australasia Pty Ltd) the refund of the price paid and is conditional upon a claim being made in writing and where possible sufficient part of the goods to enable proper examination being returned to Crop Care Australasia Pty Ltd within thirty days of delivery.

<p>In a Transport Emergency Dial 000 Police or Fire Brigade</p>	<p>SPECIALIST ADVICE IN EMERGENCY ONLY 1800 033 498 ALL HOURS – AUSTRALIA WIDE</p>
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'BATTALION' is a registered trademark.



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drumMUSTER
logo and labels
codes as
appropriate

APVMA Approval No.: 62562/5-20L & 100-1000L/0708

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