

Vitaflo® C

SEED TREATMENT

DIRECTIONS FOR USE:

RESTRAINTS:

Only treat good quality sound seed as treatment of mechanically damaged or poor quality seed may result in reduced germination and/or reduced seedling vigour and emergence.

Crop	Disease Controlled	States	Rate per 100 kg seed	Critical Comments
Wheat	Loose Smut (<i>Ustilago tritici</i>)	All States	250 mL	Mix thoroughly and ensure that the recommended rate is applied.
	Bunt (<i>Tilletia laevis</i> , <i>T. tritici</i>)		125 mL	
	Seedborne Flag Smut (<i>Urocystis agropyri</i>)		125 mL	
	Soilborne Flag Smut (<i>Urocystis agropyri</i>)	WA only	250 mL	
Barley	Loose Smut (<i>Ustilago tritici</i>)	All States	250 mL	
	Covered Smut (<i>Ustilago segetum</i> var. <i>hordei</i>)		125 mL	
Oats	Loose Smut (<i>Ustilago avenae</i>)		125 mL	
	Covered Smut (<i>Ustilago segetum</i> var. <i>hordei</i>)			
Triticale	Loose Smut (<i>Ustilago tritici</i>)	Vic, NSW, ACT WA, QLD & Tas	250 mL	
	Seedborne Flag Smut (<i>Urocystis agropyri</i>)	Vic, NSW, ACT WA & Tas	125 mL	
Wheat Barley Oats Triticale	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>Ephesia cautella</i>)	All States	125 mL or 250 mL	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 PLANTS GROWN FROM TREATED SEED, OR CUT FOR STOCK FOOD, WITHIN 7 WEEKS OF SOWING.

GENERAL INSTRUCTIONS:

Vitaflo® C Seed Treatment is a suspension concentrate (flowable) seed dressing for treatment of wheat, barley, oats and triticale by standard methods.

Crop Establishment: At the rates recommended, Vitaflo C Seed Treatment is non-phytotoxic to seed and young establishing cereal plants. Carboxin is patented as a growth stimulant in the USA and is known to increase the coleoptile length of cereal seedlings. This enables seedlings to reach the soil surface quickly and to establish strongly even when seedbed conditions are far from ideal. Sowing depth and low soil temperatures are not as critical for Vitaflo C as they are for some other fungicidal seed dressings.

Mixing & Application: Vitaflo C Seed Treatment may be applied to seed undiluted or may be mixed with water if required to achieve optimum coverage of grain. This requirement will depend on the equipment in use and the rates to be applied. Use only through equipment designed to apply suspension concentrate or slurry seed treatments to grain.

Seed Quality: Seed treatment should not be used on seed with more than 12% moisture content, or on sprung, 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.

Storage of Treated Seed: If seed is not used immediately after treatment, it should be stored in a dry, well ventilated place. Although Vitaflo C Seed Treatment 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 performance of stored treated seed.

Fungicide Resistance Warning:

GROUP G FUNGICIDE

Vitaflo C Seed Treatment is a member of the Oxathiin group of fungicides. For fungicide resistance management Vitaflo C Seed Treatment is a Group G fungicide.

Some naturally occurring individual fungi resistant to Vitaflo C Seed Treatment and other Group G 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 Vitaflo C Seed Treatment and other Group G 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, Crompton Specialties Pty Ltd accepts no liability for any losses that may result from the failure of Vitaflo C Seed Treatment to control resistant fungi.

Insecticide Resistance Warning:

GROUP 3A INSECTICIDE

For insecticide resistance management Vitaflo C Seed Treatment is a Group 3A insecticide.

Some naturally occurring insect biotypes resistant to Vitaflo 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 Vitaflo C or other Group 3A insecticides are used repeatedly. The effectiveness of Vitaflo C on resistant individuals can be significantly reduced. Since occurrence of resistant individuals is difficult to detect prior to use, Crompton Specialties Pty Ltd accepts no liability for any losses that may result from the failure of Vitaflo C to control resistant insects.

Vitaflo C may be subject to specific resistance management strategies. For further information contact your local supplier, Crompton Specialties Pty Ltd representative or local agricultural department agronomist.

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.

PROTECTION OF CROPS, NATIVE AND OTHER NON-TARGET PLANTS:

Treated seed should not be held over from one sowing season for sowing in subsequent seasons.

PROTECTION OF LIVESTOCK:

DO NOT feed treated seed to animals, including poultry. It is important that any treated seed not used for sowing is destroyed. Bags which have held treated seed should not be used for any other purpose. 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 Vitaflo C Seed Treatment.

PROTECTION OF WILDLIFE, FISH, CRUSTACEANS AND ENVIRONMENT:

DO NOT contaminate streams, rivers or waterways and drains

In an Emergency Dial 000 Police or Fire Brigade	SPECIALIST ADVICE IN EMERGENCY ONLY Crompton Specialties Pty Ltd 1800 033 111 ALL HOURS - AUSTRALIA WIDE
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with this product or used containers or with bags which have held treated seed.

STORAGE AND DISPOSAL:

Store in the tightly closed, original container in a cool, dry, well-ventilated area out of direct sunlight and away from foodstuffs, drink containers and livestock. Do not use container for any other purpose.

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 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.

SAFETY DIRECTIONS:

Harmful if swallowed. Will irritate the eyes and skin. Avoid contact with eyes and skin. Repeated exposure may cause allergic disorders. Facial contact may cause temporary facial numbness. When using the product, wear cotton overalls buttoned to the neck and wrist, washable hat, elbow length PVC gloves and face shield. 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, face shield and contaminated clothing.

FIRST AID:

If poisoning occurs, contact a doctor or Poisons Information Centre. Phone Australia 131 126.

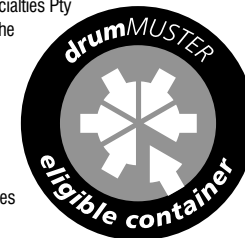
MATERIAL SAFETY DATA SHEET:

For additional information, refer to MSDS.

CONDITIONS OF SALE:

Crompton Specialties 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 Crompton Specialties Pty Ltd is limited to the replacement of the goods or (at the option of Crompton Specialties 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 Crompton Specialties Pty Ltd within thirty days of delivery.

* Vitaflo is a registered trademark of a subsidiary of Crompton Corporation.



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