

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

Vitavax[®]

200FF SEED TREATMENT

**ACTIVE CONSTITUENTS: 200 g/L CARBOXIN
200 g/L THIRAM**

GROUP 7/M3 FUNGICIDE

**A flowable seed dressing for the treatment of cereals,
maize, sweet corn & cotton seed for export as specified
in the DIRECTIONS FOR USE table.**

Contents: 20 L

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 **Chemtura**
AGROSOLUTIONS™

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	STATE	RATE mL/100 kg seed	CRITICAL COMMENTS
Wheat	Loose smut (<i>Ustilago tritici</i>) Soilborne flag smut (<i>Urocystis agropyri</i>) Bunt (<i>Tilletia laevis</i> , <i>T. tritici</i>) Seedborne flag smut (<i>Urocystis agropyri</i>)	All States	500 500 250	Mix thoroughly and ensure that the recommended rate is applied.
Barley	Loose smut (<i>Ustilago tritici</i>) Covered smut (<i>Ustilago segetum</i> var. <i>hordei</i>) Net form of net blotch (seed-borne) (<i>Pyrenophora teres</i> f. <i>teres</i>)		500 250 250-375	Use the higher rate where greater disease pressure is expected.
Oats	Smut (<i>Ustilago segetum</i> var. <i>hordei</i>) Smut (<i>Ustilago avenae</i>)		250 250	
Triticale	Loose smut (<i>Ustilago tritici</i>) Seedborne flag smut (<i>Urocystis agropyri</i>)		500 250	
Maize & Sweet Corn	Boil smut (<i>Ustilago maydis</i>) Seedborne head smut (<i>Sphacelotheca reiliana</i>) Seed decay / seedling blight complex (<i>Rhizoctonia</i> , <i>Fusarium</i> & <i>Pythium</i> spp)		500 250 250	Vitavax 200FF is only effective against the control of the seedborne phase of net form net blotch. It will not control net blotch spread by wind or neighbouring plants.
Cotton Seed (for export only)	For seedborne disease control on cotton seed destined for export to countries that specify such treatment as an import requirement.	N.S.W., W.A., Qld & N.T. only	500	Mix thoroughly and ensure that the recommended rate is applied. This product is not registered for use in Australia and any treated seed that is not exported must be disposed of in an appropriate manner, so as not to result in use of treated seed in Australia.

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 FOR 7 WEEKS AFTER APPLICATION.

GENERAL INSTRUCTIONS:

Vitavax 200FF Seed Treatment is a suspension concentrate (flowable) seed dressing ready to use for treatment of various crops by standard methods. The product contains carboxin, a systemic fungicide which is effective against a number of commonly occurring diseases of cereals and other crops, and thiram, a broad spectrum surface contact fungicide. This combination increases the spectrum of diseases controlled than either fungicide used alone.

Crop Establishment: At the rates recommended, both fungicides in Vitavax 200FF Seed Treatment are non-phytotoxic to seed and young establishing 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 the use of Vitavax 200FF Seed Treatment as they are for some other fungicidal seed dressings.

Compatibility: Vitavax 200FF Seed Treatment is compatible with most registered water-miscible grain protectant insecticides added at rates recommended for admixture to grain. As formulations are subject to change without notice, always check the compatibility of the mixes at the intended use ratios in a small container prior to use. Always read Manufacturer's Instructions and Safety Directions on the product labels and product information leaflets.

Mixing & Application: Vitavax 200FF Seed Treatment is an easy to use formulation which can be applied readily through almost all equipment designed to apply liquid, flowable or slurry seed treatment products to seed.

Uniform application to seed is necessary to ensure the best disease control and the product should be applied through

correctly calibrated equipment. The mixing which takes place as seed travels up a grain auger after application assists in improving seed coverage. Seed treated with Vitavax 200FF Seed Treatment does not flow as freely as untreated seed. Seed drills should therefore be calibrated to compensate for any variation in flow to maintain the required seeding rate. Vitavax 200FF Seed Treatment can be applied undiluted to seed. Only treat dry seed with a moisture content of 15% or less. Dilution with clean water is required with some types of application equipment. Under very hot or dry application conditions when seed temperatures are high, dilution can be used to improve seed coverage but should not exceed 4 parts of water per 1 part of product. When diluting Vitavax 200FF Seed Treatment with water prior to application to cereal seed, do not exceed a total volume of 6 litres of mixed product per tonne of seed (600 mL/100 kg) as application volumes greater than this are likely to result in excessive wetting of the seed.

Diluted product should be agitated before and during application. Do not allow diluted product to stand for long periods, e.g. overnight, without agitating thoroughly before continuing application.

Fungicide Resistance Warning:

GROUP 7 M3 FUNGICIDE

For fungicide resistance management, Vitavax 200FF Seed Treatment is both a Group 7 and a Group M3 fungicide.

Some naturally occurring individual fungi resistant to Vitavax 200FF Seed Treatment and other Group 7 and / or Group M3 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 Vitavax 200FF Seed Treatment and other Group 7 and / or Group M3 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, Chemtura Australia Pty Ltd accepts no liability for any losses that may result from the failure of Vitavax 200FF Seed Treatment to control resistant fungi.

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 Vitavax 200FF Seed Treatment.

PROTECTION OF WILDLIFE, FISH, CRUSTACEANS AND ENVIRONMENT:

DO NOT contaminate streams, rivers or waterways with this chemical or used containers or with bags which have held treated seed.

STORAGE AND DISPOSAL:

Store in the closed, original container in a 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 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.

SAFETY DIRECTIONS:

Harmful if inhaled. Will irritate the eyes, nose, throat and skin. Avoid contact with eyes and skin. Repeated exposure may cause allergic disorders. Interacts with alcohol - avoid alcohol on day(s) of use. Do not inhale spray mist. When opening the container and using the product, wear cotton overalls buttoned to the neck and wrist and a washable hat, elbow-length PVC gloves and face shield or goggles. When handling treated seed, wear elbow length PVC gloves. If product on skin, immediately wash area with soap and water. If product in eyes, wash it out immediately with water. 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 or goggles and contaminated clothing.

FIRST AID:

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

MATERIAL SAFETY DATA SHEET:

For additional information, refer to Material Safety Data Sheet.

CONDITIONS OF SALE:

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

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