

05-JAN-1999

VITAVAX(R) 200

FLOWABLE FUNGICIDE

A combination systemic and contact seed protectant
for use on wheat and barley.

Can also be used on soybeans destined for export only.

AGRICULTURAL

GUARANTEE:

Carbathiin...195 g/L

Thiram.....195 g/L

WARNING: This product contains 0.5% Rhodamine BX dye, which has
been determined to be of toxicological concern.

REGISTRATION NO: 18933 PEST CONTROL PRODUCTS ACT

READ THE LABEL BEFORE USING

(R) Registered Trade Mark of Uniroyal Chemical Ltd.

NET CONTENTS: 200L

UNIROYAL CHEMICAL LTD.

Elmira, Ontario

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Calgary, Alberta

T2E 7A7

24 Hour Emergency Phone: (519) 744-3060

DIRECTIONS FOR USE:

VITAVAX 200 Flowable Fungicide is a combination of a systemic

fungicide (VITAVAX) and a contact fungicide (thiram) to control the following diseases:

BARLEY - False Loose, Covered and True Loose Smut.
WHEAT - Loose Smut, Stinking Smut or Bunt and Flag Smut.
SOYBEANS - Phomopsis, Damping-off and Seed Decay.

VITAVAX 200FF will generally increase emergence and plant stands of wheat, barley and soybeans by reducing seed-borne seed rots and seedling blights.

VITAVAX 200FF has no vapour action. Thorough seed coverage is required.

VITAVAX 200FF is designed to be used undiluted in commercial seed treaters. Undiluted VITAVAX 200FF can be used at temperatures down to -30°C. Treater calibration will be affected by temperature and should be rechecked on a regular basis. Centrifugal pumps are not recommended for pumping VITAVAX 200FF. Use of a VITAFLO PUMP is recommended. Contact your local VITAVAX 200FF dealer or by writing Uniroyal Chemical, Elmira, ON for complete information on the VITAFLO PUMP.

Lines with a minimum inside diameter of 2 cm are recommended for pumping VITAVAX 200FF. Polypropylene lines are preferred.

If containers of Vitavax 200FF have been in storage for several months, some settling may occur and require agitation. 10L containers can be shaken and drums (200L) turned upside down for 1/2 hour and then rolled back and forth several times. This will re-suspend the settled material prior to application.

200 L Returnable Drums and 1000 L Tote Tanks

Users of VITAVAX 200FF purchased in returnable drums and/or 1000L tote tanks should contact their VITAVAX 200FF dealer or Uniroyal Chemical, Elmira, Ontario for information on connecting and transferring the product to a storage tank and washing of returnable containers.

RATE OF APPLICATION:

Wheat 250-325 mL/100kg seed
Barley 250-325 mL/100kg seed
Soybeans 230 mL/100kg seed

GENERAL NOTES:

1. Do not store VITAVAX 200FF in direct sunlight. Do not store VITAVAX 200FF at temperatures above 35'C.
2. VITAVAX 200FF will not freeze solid even in extreme winter temperatures.
3. For cleaning lines and reservoirs, flush with water containing a detergent.
4. Mixing of VITAVAX 200FF with other seed treatment products may result in gelling or sedimentation. Seed treater lines and reservoirs should therefore be thoroughly cleaned before changing over to VITAVAX 200FF.
5. Seeding rate should be checked during planting.

STORAGE OF TREATED SEED:

VITAVAX 200FF treated wheat, barley and soybean seed may be stored for up to 18 months without reduction in germination due to the treatment chemical.

USE RESTRICTIONS:

1. Do not graze or feed livestock on treated areas for four weeks after planting.
2. Treated seed must be labelled as follows: "This seed has been treated with VITAVAX 200FF Liquid Seed Protectant - contains carbathiin (Vitavax) and thiram: do not use for food, feed or oil processing. When augering or handling VITAVAX 200FF treated seed work in a well ventilated area and wear a suitable dust mask, goggles and gloves."
3. Do not contaminate feed or foodstuffs.
4. Do not contaminate ponds, lakes or streams.

SAFETY PRECAUTIONS:

1. KEEP OUT OF REACH OF CHILDREN.
2. Use rubber gloves when handling VITAVAX 200FF or treated seed since the dye in the formulation will stain the skin. To remove stains scrub with pumice soap and warm water.
3. When augering or handling VITAVAX 200FF treated seed, work in a well ventilated area and wear a suitable dust mask, goggles and gloves.
4. DO NOT GET into eyes. The operator is advised to wear goggles to protect eyes from possible splashing. In case of contact with eyes, flush immediately with running water and

- seek medical attention.
5. Because of possible unpleasant but non-toxic side effects, alcoholic beverages should be avoided when working with VITAVAX 200FF.
 6. Use good personal hygiene, washing hands and exposed skin before eating, drinking or smoking. No food, drink or tobacco in areas of storage or use.

SYMPTOMS OF POISONING:

Skin contact may cause irritation and dermatitis. Alcohol intake within 24 hours of contact may cause flushing, sweating, headache and nausea.

TOXICOLOGICAL INFORMATION:

NOTE TO PHYSICIANS: There is no specific antidote. If swallowed, induce vomiting with SYRUP OF IPECAC, or INTUBATE the stomach. If reaction with alcohol occurs treat as disulfiram-alcohol reaction.

FIRST AID:

- IF SWALLOWED: Induce vomiting by giving the patient syrup of IPECAC (adult or child 12 years or older 30mL; child under 12, 15mL) followed by water to enhance vomiting. Keep patient quiet, seek medical attention IMMEDIATELY. Do not give anything by mouth or attempt to induce vomiting if person is unconscious.
- IF IN EYES: Wash immediately with running water for 15 minutes. Obtain medical attention.
- IF ON SKIN: Wash with warm water and soap for 15 minutes.

STORAGE AND DISPOSAL:

STORAGE: Store product in original container only, away from other pesticides, fertilizer, food or feed. Keep container closed.

DISPOSAL:

1. Follow instructions on the side panel for cleaning of returnable drums and tote tanks.
2. For information on disposal of unused, unwanted product and

the cleanup of spills, contact the regional office of Conservation & Protection, Environment Canada.

NOTICE TO USER:

This control product is to be used only in accordance with the directions on this label. It is an offense under the Pest Control Products Act to use a control product under unsafe conditions.

NOTICE TO BUYER:

Seller's guarantee shall be limited to the terms set out on the label and subject thereto, the buyer assumes the risk to persons or property arising from the use or handling of this product and accepts the product on that condition.

INSTRUCTIONS FOR USE OF RETURNABLE DRUMS AND TOTE TANKS

I RETURNABLE DRUMS

1. Remove both of the 2" buttress thread bungs from the drum. Remove the 3/4" NPT thread plugs from the center of each bung and remove the "knockout" seal.
2. Fit a 3/4" NPT galvanized steel nipple and valve to each bung and replace bungs in drum. Connect a transfer hose to one valve. Thread a galvanized elbow fitting into the other valve to allow its operation as a vent when the drum is placed horizontally.
3. Carefully place the drum in a horizontal position with the aid of a drum rocker, with the transfer valve at the lowest position and the vent at the upmost position.
4. Open both valves and transfer the chemical to a storage tank.
5. Triple rinse the drum using 4 litre portions of water and mix the rinsate into the material in the storage tank. A nylon scrub brush on an extension handle can be used to dislodge dried or caked material. Drum washing immediately after transfer will minimize cleaning effort.

6. Reseal the cleaned drum with both the 2" bungs and 3/4" plugs in place. Wipe the exterior of the drum clean prior to transport.
7. Treating may begin once the rinse water has been added to the storage tank. Be sure to increase application rate by 6% to correct for dilution volumes.

II TOTE TANKS

A. CONNECTION AND TRANSFER

1. Bring the tote tank into the chemical room and place it within reach of the transfer hose.
2. Check to make sure the 2" ball valve on the bottom of the tank is in the closed position to removing the camlock dust cap.
3. Remove the camlock dust cap and connect the transfer hose to the tank.
4. Loosen the top manhole cover to allow venting.
5. Transfer the complete contents of the 1000 litre tote tank over to the storage tank.

B. TANK WASHING

If the tank washing system is separate, begin at step 1. If tank washing is conducted through a recirculation line from the transfer pump, begin at step 3.

1. Close the 2" ball valve on the tote tank and ball valve on the suction line. Disconnect the camlock fitting.
2. Reconnect tank washing recirculation line and tank washing pump.
3. Load a 20 litre pail of clean cold tap water into the tank through the top manhole cover.
4. Rinse down the inside of the tank using a spray wand to direct the spray, recirculating the 20 litres of water. A nylon scrub brush on an extension handle can be used to dislodge dried or caked material. Tank washing immediately

following transfer will minimize cleaning effort.

Caution: Wear protective equipment to avoid contact with spray.

5. Collect the rinse water and add this to the 1000 litres already transferred to the storage tank.

Note: Add the rinse water slowly with the storage tank agitator on to avoid the potential of dilution shock to the Vitavax 200FF suspension.

6. Repeat this process two more times. This provides a standard product dilution volume of 3 x 20 litres, or 60 litres in total.
7. Treating may begin once all the rinse water has been added to the storage tank and mixed in. Be sure to increase application rate by 6% to correct for dilution volumes.
8. Disconnect the hoses and reseal the tank. Be sure that the ball valve on the bottom of the tank is closed, the camlock dust cap is replaced and the manhole cover has been sealed in preparation for transport.

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