

2021-11-18
2021-1413

This label has been updated according to the re-evaluation decision of thiophanate-methyl (RVD2020-13). While users are encouraged to follow this updated label immediately, the previously approved label is valid until 03-12-2022 in accordance with the phase out period set out in RVD2020-13. This previously approved label will be provided upon request by emailing hc.ppra.info-arla.sc@canada.ca. In your email please include the product name and Registration number of the label you are requesting

TPM™ FLOWABLE 25%
Undyed
Liquid Fungicide Seed Treatment

Thiophanate-methyl for control of seed-borne anthracnose of dry common beans and for the control of seed-borne *Penicillium oxalicum*, *Penicillium* spp. of sweet corn

**ALL SEED TREATED WITH THIS PRODUCT MUST BE CONSPICUOUSLY COLOURED
AT THE TIME OF TREATMENT**

COMMERCIAL

READ LABEL BEFORE USING

KEEP OUT OF REACH OF CHILDREN

Special Use Restrictions:

This product contains no colourant. An appropriate colourant must be added when the product is applied to seed. **TPM FLOWABLE 25%** is sold only to commercial seed treaters who can comply with these requirements. Regulations pertaining to colouration of treated seed enforced under the 'Seeds Act' must be strictly adhered to when using this product.

For use in commercial seed treatment facilities (and mobile treaters) with closed transfer including closed mixing, loading, calibrating, and closed treatment equipment only. No open transfer in commercial facilities is permitted. Open transfer is permitted for on-farm treatment.

CAUTION



POISON

**POTENTIAL
SKIN
SENSITIZER**

ACTIVE INGREDIENT:

thiophanate-methyl.....296.5 g/L

Contains methyl paraben at 0.20% as a preservative

REGISTRATION NO. 31761 PEST CONTROL PRODUCTS ACT

NET CONTENTS: 1, 4, 5, 10, 20, 50, 100 Litres, Bulk

Belchim Crop Protection Canada, Inc.
104 Cooper Drive, Suite 3
Guelph, ON N1C 0A4
1-866-613-3336

PRECAUTIONS

KEEP OUT OF REACH OF CHILDREN

Harmful if inhaled. Avoid inhaling sprays. Potential skin sensitizer. Never handle material with bare hands. DO NOT mix with hands. Avoid spilling on skin or clothing. Do not breathe dust. When treating seed, work in a well-ventilated area. When treating, handling, or planting treated seed, wear a long-sleeved shirt, long pants, shoes plus socks, protective eyewear, chemical-resistant gloves, and NIOSH-approved N95 (minimum) filtering facepiece respirator (dust mask) that is properly fit-tested. Closed cab tractors must be used for planting treated seeds. Respirators and chemical resistant gloves are not required to be worn within the closed cab as long as the cab is equipped with equivalent respiratory protection (dust/mist filtering and/or vapour/gas purification system). Wash hands, face and arms thoroughly after handling this product and before drinking, eating, smoking or using the toilet. Shower after use or at the end of the workday. If an accident occurs, remove contaminated clothing and wash skin thoroughly with soap and water. Change contaminated clothing daily and wash thoroughly before re-use. Always work out of the wind during mixing and loading operations. Keep unprotected persons out of the operating area or vicinity where there may be drift. Do not contaminate food or feed. Do not contaminate any body of water. Apply only in a way that this product will not contact workers or other persons, either directly or through drift. Only workers wearing personal protective equipment may be in the area when seed is being treated or bagged.

Use closed transfer for commercial seed treatment (facilities and mobile treaters).

Closed transfer includes closed mixing, loading, calibrating and closed treatment equipment. No open transfer in commercial facilities is permitted. Open transfer is permitted for on-farm treatment.

All treated seed must be coloured. All bags containing treated seed for sale or use in Canada must be labelled or tagged as follows:

“POISONOUS TO HUMANS AND ANIMALS. THESE SEEDS HAVE BEEN TREATED WITH THIOPHANATE-METHYL FOR CONTROL OF SEED-BORNE DISEASES. DO NOT USE FOR FOOD OR FEED PURPOSES. For all activities involving handling of treated seeds (including planting), wear a long-sleeved shirt, long pants, shoes plus socks, protective eyewear, chemical resistant gloves, and NIOSH-approved N95 (minimum) filtering facepiece respirator (dust mask) that is properly fit tested. Closed cab tractors must be used for planting treated seeds. Respirators and chemical-resistant gloves are not required to be worn within the closed cab as long as the cab is equipped with equivalent respiratory protection (dust/mist filtering and/or vapour/gas purification system).”

ENVIRONMENTAL PRECAUTIONS

This product is toxic to aquatic life. Do not contaminate domestic or irrigation waters supplies, lakes, streams and ponds.

- Toxic to aquatic organisms.
- Toxic to birds and small wild mammals. Any spilled or exposed seeds must be incorporated into the soil or otherwise cleaned-up from the soil surface.
- Toxic to earthworms.

FIRST AID

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| If swallowed | Call a poison control centre or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control centre or doctor. Do not give anything by mouth to an unconscious person. |
| If on skin or clothing | Take off contaminated clothing. Rinse skin immediately with plenty of water for 15–20 minutes. Call a poison control centre or doctor for treatment advice. |
| If inhaled | Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. Call a poison control centre or doctor for further treatment advice. |

This product contains no colourant and can be used in a coating process with coloured fungicides and insecticides registered on the same crop. Consult each label for registered use rates and follow all label use restriction for each of the products. Follow the label directions for each product for the most restrictive label precautions and limitations. **TPM FLOWABLE 25%** is sold only to commercial seed treaters who intend to use the product in a seed coating process where the seed will be conspicuously coloured. Regulations pertaining to colouration of treated seed enforced under the 'Seeds Act' must be strictly adhered to when using this product.

RESISTANCE MANAGEMENT RECOMMENDATIONS

For resistance management, please note that TPM FLOWABLE 25% contains a Group 1 fungicide. Any fungal population may contain individuals naturally resistant to TPM FLOWABLE 25% and other Group 1 fungicides. A gradual or total loss of pest control may occur over time if these fungicides are used repeatedly in the same fields. Other resistance mechanisms that are not linked to site of action but specific for individual chemicals, such as enhanced metabolism, may also exist. Appropriate resistance-management strategies should be followed.

To delay fungicide/bactericide resistance:

- Where possible, rotate the use of TPM FLOWABLE 25% or other Group 1 fungicides with different groups that control the same pathogens.
- Use tank mixtures with fungicides from a different group that is effective on the target pathogen when such use is permitted.
- Fungicide use should be based on an integrated disease management program that includes scouting, historical information related to pesticide use and crop rotation and considers host plant resistance, impact of environmental conditions on disease development, disease thresholds, as well as cultural, biological and other chemical control practices.
- Where possible, make use of predictive disease models to effectively time fungicide applications.
- Monitor treated fungal populations for resistance development. Notify Belchim Crop Protection Canada if reduced sensitivity of the pathogen to TPM FLOWABLE 25% is suspected.
- If disease continues to progress after treatment with this product, do not increase the use rate. Discontinue use of this product, and switch to another fungicide with a different target site of action, if available.
- Contact your local extension specialist or certified crop advisors for any additional pesticide resistance-management and/or IPM recommendations for specific crops and pathogens.
- For further information and to report suspected resistance, contact Belchim Crop Protection Canada, Inc. at (519) 826-7878 or at www.belchimcanada.com.