



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, DC 20460

OFFICE OF CHEMICAL SAFETY  
AND POLLUTION PREVENTION

June 30, 2020

Timothy Joseph  
Senior Project Manager  
Mitsui Chemicals Agro, Inc.  
c/o Landis International, Inc.  
P.O. Box 5126  
Valdosta, GA 31603

Subject: Registration Review Label Mitigation for Hymexazol  
Product Name: Tachigaren 70WP  
EPA Registration Number: 86203-2  
Application Date: March 27, 2018  
Decision Number: 563868

Dear Mr. Joseph:

The Agency, in accordance with the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA), as amended, has completed reviewing all of the information submitted with your application to support the Registration Review of the above referenced product in connection with the Hymexazol Interim Decision, and has concluded that your submission is acceptable. The label referred to above, submitted in connection with registration under FIFRA, as amended, is acceptable.

Should you wish to add/retain a reference to the company's website on your label, then please be aware that the website becomes labeling under the Federal Insecticide Fungicide and Rodenticide Act and is subject to review by the Agency. If the website is false or misleading, the product would be misbranded and unlawful to sell or distribute under FIFRA section 12(a)(1)(E). 40 CFR 156.10(a)(5) list examples of statements EPA may consider false or misleading. In addition, regardless of whether a website is referenced on your product's label, claims made on the website may not substantially differ from those claims approved through the registration process. Therefore, should the Agency find or if it is brought to our attention that a website contains false or misleading statements or claims substantially differing from the EPA approved registration, the website will be referred to the EPA's Office of Enforcement and Compliance.

A copy of your label stamped "Accepted" is enclosed. Products shipped after 12 months from the date of this amendment must bear the new revised label. Your release for shipment of the product bearing the amended label constitutes acceptance of these conditions. If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6.

Page 2 of 2  
EPA Reg. No. 86203-2  
Decision No. 563868

If you have any questions about this letter, please contact Srijana Shrestha by phone at 703-305-6471, or via email at [Shrestha.srijana@epa.gov](mailto:Shrestha.srijana@epa.gov).

Sincerely,

A handwritten signature in blue ink, appearing to read "Linda Arrington".

Linda Arrington, Branch Chief  
Risk Management and Implementation Branch 4  
Pesticide Re-Evaluation Division  
Office of Pesticide Programs

Enclosure

**ACCEPTED**

Jun 30, 2020

Under the Federal Insecticide, Fungicide and Rodenticide Act as amended, for the pesticide registered under EPA Reg. No. 86203-2

**HYMEXAZOL GROUP 32 FUNGICIDE**

# TACHIGAREN® 70 WP

## Fungicide

**FOR USE ONLY BY COMMERCIAL SUGAR BEET SEED TREATERS**

**Active Ingredient:**

Hymexazol ..... 70.0%

**Other Ingredients** ..... 30.0%

Total ..... 100.0%

EPA Reg. No. 86203-2

Net Contents: 55.115 lbs. (25 kg)

EPA EST. 87590-JPN-002

**KEEP OUT OF REACH OF CHILDREN**

**WARNING**

**PRECAUTIONARY STATEMENTS**

**HAZARDS TO HUMANS AND DOMESTIC ANIMALS**

Causes substantial, but temporary eye injury. Harmful if swallowed or absorbed through the skin. Avoid contact with eyes, skin or clothing.

Applicators and mixer/loaders who handle this pesticide, such as commercial seed treatment facilities, must wear long-sleeved shirt and long pants, shoes plus socks, and protective eyewear. Wear waterproof gloves.

Baggers and other persons who handle treated seed, such as commercial seed treatment facilities, must wear long-sleeved shirts and long pants, shoes plus socks, and protective eyewear.

Follow manufacturer's instructions for cleaning and maintaining PPE. Washable protective equipment and clothing: wash before reuse with detergent and hot water separately from other laundry.

**USER SAFETY RECOMMENDATIONS**

Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet. Remove PPE immediately after handling product or treated seed. Wash outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

**FIRST AID**

<b>If In Eyes:</b>	<ul style="list-style-type: none"> <li>• Hold eye open and rinse slowly and gently with water for 15 - 20 minutes. Remove contact lenses, if present, after the first 5 minutes, and then continue rinsing the eye.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
<b>If Swallowed:</b>	<ul style="list-style-type: none"> <li>• Call a poison control center or doctor immediately for treatment advice.</li> <li>• Have person sip a glass of water if able to swallow.</li> <li>• Do not induce vomiting unless told to do so by a poison control center or doctor.</li> <li>• Never give anything by mouth to an unconscious person.</li> </ul>
<b>If on Skin or Clothing:</b>	<ul style="list-style-type: none"> <li>• Take off contaminated clothing.</li> <li>• Rinse skin immediately with plenty of water for 15 - 20 minutes.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>

Have the product container or label with you when calling a poison control center or doctor or going for treatment.

**Note to Physician:** Probable mucosal damage may contraindicate the use of gastric lavage.

### ENVIRONMENTAL HAZARDS

Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance contact your State Water Board or Regional Office of the EPA.

### DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

Not for use on agricultural establishments in hopper-box, planter-box, slurry-box or other seed-treatment applications at or immediately before planting.

#### **For protection from seedling diseases caused by *Aphanomyces spp.* and *Pythium spp.* in Sugar Beets:**

**Application as a standard pellet:** Apply as a commercial seed treatment on pelleted sugar beet seeds at the rate of 45 grams or below of TACHIGAREN 70 WP per unit of 100,000 seeds (approximately 1 kilogram of raw sugar beet seed). Seed must be pelleted at a minimum weight to weight ratio of 2:1 pelleting mixture to raw seed.

The Federal Seed Act requires that bags containing seed treated with this product shall be labeled with the following information: The seed has been treated with hymexazol fungicide. Do not use for food, feed, or oil purposes. Store away from feeds and foodstuffs. Use with an EPA approved dye that imparts an unnatural color to the seed.

Note: This product does not contain dye and is not covered by an appropriate tolerance, tolerance exemption, or other clearance under the Federal Food, Drug and Cosmetic Act. To comply with 40 CFR 153.155, therefore, all seed treated commercially with this product must be colored with an EPA-approved dye or colorant of a suitable color to prevent accidental use as food for man or feed for animals.

The U.S. EPA requires the following statements on containers containing seed treated with hymexazol:

Treated seeds exposed on soil surface may be hazardous to wildlife. Cover or collect treated seeds spilled during loading and planting. Treated seed must be incorporated into the soil. Dispose of all excess treated seed by burying seed away from bodies of water. Do not contaminate water bodies when disposing of planting equipment wash waters. Do not allow children, pets or livestock to have access to treated seeds. Dispose of seed packaging or containers in accordance with local requirements.

**Application as a minimum build-up pellet:** Apply as a commercial seed treatment on minimum build-up pelleted sugar beet seeds at the rate of 20 to 30 grams of TACHIGAREN 70 WP per unit of 100,000 seeds (approximately 1 kilogram of raw sugar beet seed). Seed must be pelleted at a minimum weight to weight ratio of 3:10 pelleting mixture to raw seed.

Use of the rate of 20 to 30 grams is recommended only under conditions of, or in fields with light to medium disease pressure. Under conditions of, or in fields with a known history of heavy disease pressure, use of rates 45 grams on standard pellet is recommended.

Seed treatment on minimum build-up pellet may result in phytotoxicity depending on each user's treatment technology such as the difference in the character and amount of pelleting mixture as well as treatment procedures. Users are recommended to check the efficacy and phytotoxicity of this use with its treatment technology prior to the commercialization of its treated seed.

**Resistance Management Recommendations:** For resistance management, TACHIGAREN 70 WP contains a Group 32 fungicide. Any fungal population may contain individuals naturally resistant to TACHIGAREN 70 WP and other Group 32 fungicides/bactericides. A gradual or total loss of pest control may occur over time if these fungicides are used repeatedly in the same fields. Appropriate resistance-management strategies should be followed.

To delay fungicide/bactericide resistance, take one or more of the following steps:

- Rotate the use of TACHIGAREN 70 WP or other Group 32 fungicides within a growing season sequence with different groups that control the same pathogens.
- Use tank mixtures with fungicide from a different group that are equally effective on the target pest when such use is permitted. Use at least the minimum application rate as labeled by the manufacturer.
- Adopt an integrated disease management program for fungicide use that includes scouting, uses historical information related to pesticide use, and crop rotation, and which 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. Note that using predictive models alone is not sufficient to manage resistance.
- Monitor treated fungal populations for resistance development.
- Contact your local extension specialist or certified crop advisor for any additional pesticide resistance-management and/or IPM recommendations for specific crops and pathogens.
- For further information or to report suspected resistance contact Mitsui Chemicals Agro, Inc. at 1-800-526-3471. You can also contact your pesticide distributor or university extension specialist to report resistance.

#### STORAGE AND DISPOSAL

**Prohibitions:** Do not contaminate water, food or feed by storage, disposal or cleaning of equipment. Open dumping is prohibited. Do not reuse empty containers.

**Storage:** Store in a cool, dry place. Do not store in direct, hot sunlight.

**Pesticide Disposal:** Wastes resulting from the use of this product may be disposed of on-site or at an approved waste disposal facility.

**Container Handling:** Nonrefillable container. Do not reuse or refill this container.

Completely empty liner by shaking and tapping sides and bottom to loosen clinging particles. Empty residue into application equipment.

Then offer for recycling if available or dispose of liner in a sanitary landfill or by incineration or, if allowed by state and local authorities, by burning. If burned, stay out of smoke. If drum is contaminated and cannot be reused, dispose of it in the manner required for its liner.

**NOTICE – READ CAREFULLY**  
**CONDITIONS OF SALE AND LIMITED WARRANTY STATEMENT**

Treatment of highly mechanically damaged seed, or seed of known low vigor and poor quality, except for the purposes of curative control of existing disease and/or insect pests, may result in reduced germination and/or reduction in seed and seedling vigor. Treat and conduct germination tests on a small portion of seed before committing the whole seed lot to a selected chemical treatment. Due to seed quality conditions beyond the control of Mitsui Chemicals Agro, Inc., no claims are made to guarantee germination of carry-over seed.

As its sole express warranty, Mitsui Chemicals Agro, Inc., warrants that this product conforms to the chemical description on the label and is reasonably fit for purposes stated on the label only when used in accordance with directions and instructions specified on the label, subject to the inherent risks set forth above. ONLY AS PERMITTED BY APPLICABLE LAW, IN THE EVENT OF A BREACH OF THIS LIMITED WARRANTY, Mitsui Chemicals Agro, Inc., SHALL NOT BE LIABLE FOR CONSEQUENTIAL DAMAGES. SUBJECT TO APPLICABLE LAW, Mitsui Chemicals Agro, Inc., NEITHER MAKES NOR AUTHORIZES ANY OF ITS AGENTS OR REPRESENTATIVES TO MAKE ANY WARRANTY OF FITNESS OR MERCHANTABILITY, GUARANTY OR REPRESENTATION, EXPRESS OR IMPLIED, CONCERNING THIS MATERIAL. Buyer assumes the responsibility to handle, use, and store this product in accordance with the safety instructions and use directions contained on the label.

Buyer/User purchases this product subject to the foregoing Conditions of Sale and Limited Warranty, which, subject to applicable law, may be varied only by a written agreement signed by a duly authorized representative of Mitsui Chemicals Agro, Inc. If these terms are not acceptable, return all products to place of purchase, unopened for a full refund.

TACHIGAREN is a Reg. TM of Mitsui Chemicals Agro, Inc., Tokyo, Japan.

Manufactured by: **MITSUI CHEMICALS AGRO, INC.**  
Nihonbashi Dia Building, 1-19-1,  
Nihonbashi, Chuo-ku, Tokyo 103-0027, JAPAN

Distributed by: Sumitomo Corporation of America  
Life Science Unit, Chemicals Group  
600 Third Avenue  
New York, NY 10016

Lot No.:

TAJ 08JUNE2020