



OFFICE OF CHEMICAL SAFETY AND POLLUTION PREVENTION

WASHINGTON, D.C. 20460

September 20, 2024

Ana Vida Reyes, Ph.D.
Sr. Regulatory Manager – Seed Treatment
Regulatory, Sustainability & Stewardship
Valent U.S.A.LLC
4600 Norris Canyon Road
Sam Ramon, CA 94583

Subject: Label Amendment – update label to current EPA standards and to comply with the Metalaxyl/Mefenoxam Interim Registration Review; update label to Ipconazole Interim Registration Review
Product Name: V-10442 0.72 FS Fungicide
EPA Registration Number: 59639-238
Application Date: 10/22/2020; 1/28/2022
Case Number: 481151; 482614

Dear Ana Vida Reyes:

The amended label referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), as amended, is acceptable. This approval does not affect any conditions that were previously imposed on this registration. You continue to be subject to existing conditions on your registration and any deadlines connected with them.

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 Metalaxyl/Mefenoxam and Ipconazole Interim Decision, and has concluded that your submission is acceptable.

A stamped copy of your labeling is enclosed for your records. This labeling supersedes all previously accepted labeling. You must submit one copy of the final printed labeling before you release the product for shipment with the new labeling. In accordance with 40 CFR 152.130(c), you may distribute or sell this product under the previously approved labeling for 12 months from the date of this letter. After 12 months, you may only distribute or sell this product if it

bears this new revised labeling or subsequently approved labeling. "To distribute or sell" is defined under FIFRA section 2(gg) and its implementing regulation at 40 CFR 152.3.

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 FIFRA 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) lists 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.

Your release for shipment of the product 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.

If you have any questions, please contact Yasmin Bowers at 202-566-2507 or Bowers.Yasmin@epa.gov.

Sincerely,

A handwritten signature in black ink, appearing to read 'Kable Bo Davis', enclosed within a hand-drawn oval.

Kable Bo Davis
Senior Regulatory Specialist
Office of Pesticide Programs
Registration Division, Immediate Office

Enclosure



ETHABOXAM	GROUP	22	FUNGICIDE
IPCONAZOLE	GROUP	3	FUNGICIDE
METALAXYL	GROUP	4	FUNGICIDE

[Bracketed *Italicized* text is information for the reviewer]

[Bracketed text is optional]

V-10442 0.72 FS Fungicide

A FUNGICIDE SEED TREATMENT PRODUCT PROVIDING SYSTEMIC SEED AND SEEDLING PROTECTION AGAINST LISTED EARLY SEASON SEEDLING DISEASES OF SOYBEAN

Active Ingredients	By Wt
Ethaboxam ¹	5.11%
Ipconazole ²	1.70%
Metalaxyl ³	1.36%
Other Ingredients	91.83%
Total	100.00%

¹(*RS*)-*N*-[cyano(2-thienyl)methyl]-4-ethyl-2-(ethylamino)thiazole-5-carboxamide

²(*1RS,2SR,5RS;1RS,2SR,5SR*)-2-(4-chlorobenzyl)-5-isopropyl-1-(1*H*-1,2,4-triazol-1-ylmethyl)cyclopentanol

³Methyl *N*-(2,6-dimethylphenyl)-*N*-(methoxyacetyl)-DL-alaninate

V-10442 0.72 FS Fungicide contains 0.452 lb ethaboxam per gallon, 0.150 lb ipconazole per gallon and 0.121 lb metalaxyl per gallon.

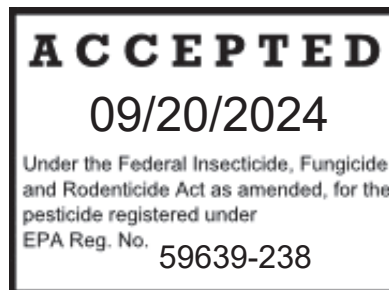
KEEP OUT OF REACH OF CHILDREN

SEE [NEXT PAGE][OTHER PANEL][BOOKLET] FOR [PRECAUTIONARY STATEMENTS] [AND] [DIRECTIONS FOR USE]

NET CONTENTS _____

EPA Reg. No. 59639-238

EPA Est.



HOT LINE NUMBER

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 800-892-0099 for emergency medical treatment information.

PRECAUTIONARY STATEMENTS

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Mixers, loaders, applicators and other handlers (including conducting maintenance and calibration of treater) must wear: long-sleeved shirt, long pants, socks and shoes, and chemical-resistant gloves made of any waterproof material such as barrier laminate, butyl rubber \geq 14 mils, nitrile rubber \geq 14 mils, neoprene \geq 14 mils, natural rubber \geq 14 mils, polyethylene, polyvinyl chloride or Viton \geq 14 mils.

Workers involved with handling treated seed (such as baggers, sewers and bag stackers) must wear: long-sleeved shirt, long pants, socks and shoes.

Workers who load and plant treated seed must wear: long-sleeved shirt, long pants, socks and shoes, and chemical-resistant gloves made of any waterproof material such as barrier laminate, butyl rubber \geq 14 mils, nitrile rubber \geq 14 mils, neoprene \geq 14 mils, natural rubber \geq 14 mils, polyethylene, polyvinyl chloride or Viton \geq 14 mils when handling treated seed.

Follow the manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.

USER SAFETY RECOMMENDATIONS

Users should:

- Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
- Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

ENVIRONMENTAL HAZARDS

This product is toxic to aquatic invertebrates, oysters and shrimp. Treated seeds exposed on soil surface may be hazardous to birds, wildlife, fish and aquatic invertebrates. Cover or collect seeds spilled during loading and planting. Dispose of all excess treated seed by burying seed away from bodies of water. Do not apply directly to water or areas where surface water is present, or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment washwaters or rinsate. Do not apply where runoff is likely to occur. Drift and runoff may be hazardous to aquatic organisms in water adjacent to treated areas. Apply this product only as specified on label.

Ipconazole may persist in soil, and long-term use in the same field may result in accumulation of active ingredient.

Groundwater Advisory

Ethaboxam has properties and characteristics associated with chemicals detected in ground water. This chemical may leach into groundwater if used in areas where soils are permeable, particularly where the water table is shallow. Therefore, contain any product spills or equipment leaks and dispose of wastes according to the disposal instructions on this label.

Metalaxyl is known to leach through soil into groundwater under certain conditions as a result of agricultural use. Use of this chemical in areas where soils are permeable, particularly where the water table is shallow, may result in groundwater contamination.

Surface Water Advisory

This product may impact surface water quality due to runoff of rain water. This is especially true for poorly draining soils and soils with shallow groundwater. This product is classified as having high potential for reaching surface water via runoff for several days after application. A level, well maintained vegetative buffer strip between areas to which this product is applied and surface water features such as ponds, streams and springs will reduce the potential loading of ethaboxam from runoff water and sediment. Runoff of this product will be reduced by avoiding applications where rainfall or irrigation is expected to occur within 48 hours.

DIRECTIONS FOR USE

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

READ ENTIRE LABEL. USE STRICTLY IN ACCORDANCE WITH PRECAUTIONARY STATEMENTS AND DIRECTIONS AND WITH APPLICABLE STATE AND FEDERAL REGULATIONS.

For use only in commercial seed treatment facilities. Do not use in hopper box, planter box, seed box, slurry box or other on-farm seed treatment applications. Do not apply this product in a way that will contact workers or other persons. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the State or Tribal agency responsible for pesticide regulation.

Maximum usage when applying both metalaxyl- and mefenoxam-containing products to the same crop within the same season: Do not apply more than the maximum yearly total application rate for the active ingredient as stated on the label of the product containing the lowest yearly total on that crop.

RESISTANCE MANAGEMENT

For resistance management, please note that V-10442 0.72 FS Fungicide contains a Group 3 fungicide/ipconazole, a Group 4 fungicide/metalaxyl and a Group 22 fungicide/ethaboxam. Any fungal population may contain individuals naturally resistant to V-10442 0.72 FS Fungicide and other Group 3, Group 4 or 22 fungicides. 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 V-10442 0.72 FS Fungicide or other Group 3,4 or 22, fungicides/bactericides within a growing season sequence with different groups that control the same pathogens.
- Use tank mixtures with fungicide/bactericides 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/bactericide 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/bactericide applications. Note that using predictive models alone is not sufficient to manage resistance.
- Monitor treated fungal/bacterial populations for resistance development.
- Contact your local extension specialist or certified crop advisor for any additional pesticide resistance-management and/or IPM recommendations for the specific site and pathogens problems in your area.

For further information or to report suspected resistance contact Valent U.S.A. LLC at 800-6-VALENT (682-5368).

APPLICATION INSTRUCTIONS

RESTRICTIONS

- V-10442 0.72 FS Fungicide must be used only in accordance with use instructions on this label and only in commercial seed treatment facilities. Always mix product thoroughly before use. Do not use in hopper box, planter box, seed box, slurry box or other on-farm seed treatment applications.
- Do not use on soybeans in California.
- Do not use treated seed for food, feed or oil purposes.
- Care must be exercised in the handling of treated seed.
- Do not use augers used for handling treated seed to move seed for feed, food or oil processing.
- Do not re-use packaging from treated seed to handle food or feed products.
- Dispose of seed packaging or containers in accordance with local requirements.
- Do not apply more than the maximum seasonal total for the active ingredient as stated on the label containing the lowest seasonal total on that crop.

As stated by regulations specified in 40 CFR 153.155, all seed treated with V-10442 0.72 FS Fungicide must be colored with an EPA-approved dye or colorant to visually distinguish seed that is treated with a pesticide. This product contains such dye or colorant. This regulation is necessary to prevent treated seed from accidental use as a food for man or feed for animals.

MODE OF ACTION

V-10442 0.72 FS Fungicide contains

Ethaboxam: a Group 22 fungicide as classified by the Fungicide Resistance Action Committee (FRAC). Its mode of action is the inhibition of cell division.

Ipconazole: a Group 3 fungicide as classified by FRAC. Its mode of action is the inhibition of sterol biosynthesis.

Metalaxyl: a Group 4 fungicide as classified by FRAC. Its mode of action is the inhibition of rRNA biosynthesis.

SEED QUALITY AND STORAGE OF TREATED SEED

Seed treatments applied to low vigor or poor quality seed or to mechanically damaged seed may result in loss of seed germination or reduced seedling vigor. To verify seed safety, treat a small portion of seed with the desired slurry mixture (V-10442 0.72 FS Fungicide alone or in combination with other commercial seed treatment products) prior to treatment of an entire seed lot. Utilize standard seed germination methodologies to determine and verify seed safety. Use proper storage conditions for treated seed. Due to seed quality and seed storage conditions beyond the control of Valent U.S.A. LLC, no claims are made to guarantee the germination of carry-over treated seed.

SEED BAG TAG

The Federal Seed Act requires that the container of seed treated with V-10442 0.72 FS Fungicide must be labeled with the following statements:

- This seed has been treated with V-10442 0.72 FS Fungicide which contains ethaboxam, ipconazole and metalaxyl.
- Do not use treated seed for feed, food or oil processing.
- Excess treated seed may be used for ethanol production only if (1) by-products are not used for livestock feed and (2) no measurable residues of pesticide remain in ethanol by-products that are used in agronomic practice.

In addition, the U.S. Environmental Protection Agency requires the following statements on the container of seed treated with V-10442 0.72 FS Fungicide:

- When handling treated seed (including opening the package, loading, or pouring) wear long sleeved shirt, long pants, shoes, socks and chemical-resistant gloves made of any waterproof material.
- Care must be exercised in the handling of treated seed.
- Store treated seed away from food and feedstuffs.
- Do not allow children, pets or livestock to have access to treated seeds.
- Dispose of all excess treated seed. Leftover treated seed may be double-sown around the headland or buried away from water sources in accordance with local requirements.
- Treated seeds exposed on soil surface may be hazardous to birds, wildlife, fish and aquatic invertebrates. Cover or collect seeds spilled during loading and planting.
- Do not contaminate water bodies when disposing of planting equipment washwaters.
- Dispose of seed packaging or containers in accordance with local requirements.
- This product contains metalaxyl which is known to leach through soil into groundwater under certain conditions as result of agricultural use. Use of this product in areas where soils are permeable, particularly where the water table is shallow, may result in groundwater contamination.
- Ethaboxam has properties and characteristics associated with chemicals detected in ground water. This chemical may leach into groundwater if used in areas where soils are permeable, particularly where the water table is shallow.
- Do not apply more than the maximum seasonal total for the active ingredients as stated on the label containing the lowest seasonal total on that crop.
- Do not re-use packaging from treated seed to handle food or feed products.
- Do not use augers used for handling treated seed to move seed for feed, food or oil processing.
- Treated seeds must be planted into the soil at a minimum depth of 0.5 inch.
- Ipconazole may persist in soil, and long-term use in the same field may result in accumulation of active ingredient.
- After seeds have been planted, do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 24 hours. Exception: Once the seeds are planted in soil, the Worker Protection Standard, under certain circumstances, allows workers to enter the treated area without restriction if there will be no worker contact with the soil subsurface or treated seed. PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with

anything that has been treated, such as plants, soil, or water, is: long-sleeved shirt and long pants; chemical-resistant gloves made of any waterproof material; shoes plus socks.

PRODUCT INFORMATION

V-10442 0.72 FS Fungicide (containing ethaboxam, ipconazole and metalaxyl) is a fungicide seed treatment product offering both contact and systemic activity in providing broad-spectrum seed and seedling protection against seedling diseases. V-10442 0.72 FS Fungicide is effective for protection against *Pythium*, *Phytophthora sojae*, *Fusarium* and *Rhizoctonia solani*. This product is also effective against seed-borne *Phomopsis*, seed-borne *Sclerotinia* and seed rot fungi such as *Aspergillus* and *Penicillium*.

USE DIRECTIONS

Seed is to be sound and well-cured before treatment.

Accurate application of V-10442 0.72 FS Fungicide to seed is required for best protection against listed diseases. Application to seed must be done only in commercial seed treatment facilities utilizing standard liquid or slurry treaters. Always mix product thoroughly before use.

Pre-test tank mixtures with other seed treatment products to verify formulation compatibility and to assure proper physical compatibility of products. Follow the most restrictive limitations and precautions on labels of all products used in a seed treatment tank mixture. Do not mix with any products which contain a prohibition on tank mixing.

It is the pesticide user's responsibility to ensure that all products are registered for the intended use. Read and follow the applicable restrictions and limitations and directions for use on all product labels involved in tank mixing. Users must follow the most restrictive directions for use and precautionary statements of each product in the tank mixture.

SOYBEAN (Do not use on soybeans in California.)		
Seed/Seedling Diseases	V-10442 0.72 FS Fungicide Use Rates	
	fl oz/100 lb seed	mg active ingredient per seed ¹
Seed Rots (including seed-borne <i>Phomopsis</i> , seed-borne <i>Sclerotinia</i> , seed-borne and soil-borne <i>Fusarium</i> , <i>Penicillium</i> and <i>Aspergillus</i>) Damping Off and Seedling Blights Pythium seed decay and seedling dieback Early season <i>Phytophthora sojae</i> root rot Soil-borne <i>Fusarium</i> and <i>Rhizoctonia solani</i>	2.11	ethaboxam 0.012 mg ipconazole 0.004 mg metalaxyl 0.0032 mg

¹mg active ingredient per seed is based on 2800 seeds per pound, thus delivering 0.0192 mg ai/seed total active ingredients.

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage and disposal.

STORAGE

Store in a dry place away from excessive heat.

Do not store near food or feed.

Store in original container only.

To close package, replace and tighten cap to form an airtight seal.

Do not freeze.

PESTICIDE DISPOSAL

To avoid wastes, use all material in this container by application according to label directions. If wastes cannot be avoided, offer remaining product to a waste facility or pesticide disposal program (often such programs are run by state or local governments or by industry).

CONTAINER HANDLING

[For containers with capacities greater than 5 gallons:] [Empty the remaining contents into application equipment or a mix tank. Add water – at least 2% of the container volume, up to 1/3 of the volume of water needed to make the proper slurry composition with a maximum of **1/4** of the container volume. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 60 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times. If used in application equipment, adjust the slurry volume application rate to account for any added rinsate water.]

[Use the following statement for all refillable container types]

[Refillable container. Refill this container with pesticide only. Do not reuse this container for any other purpose. Cleaning the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the refiller. To clean the container before final disposal, empty the remaining contents from this container into application equipment or mix tank. Fill the container about 10 percent full with water. Agitate vigorously or recirculate water with the pump for 2 minutes. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this rinsing procedure two more times. Offer for recycling, if available; otherwise dispose of in a sanitary landfill or other procedures allowed by State and local authorities.]

RECYCLING

Once cleaned, some agricultural plastic pesticide containers can be taken to a container collection site or picked up for recycling. To find the nearest site, contact your chemical dealer or manufacturer, or contact the Ag Container Recycling Council (ACRC) at 877-952-2272 (toll free) or www.acrecycle.org.

**DISCLAIMER, RISKS OF USING THIS PRODUCT,
LIMITED WARRANTY
AND LIMITATION OF LIABILITY**

IMPORTANT: Read the entire Label including this Disclaimer, Risks of Using this Product, Limited Warranty, and Limitation of Liability before using this product. If the terms are not acceptable THEN DO NOT USE THE PRODUCT; rather, return the unopened product within 15 days of purchase for a refund of the purchase price.

ASSUMPTION OF RISK

The Buyer and User (referred to collectively herein as "Buyer") of this product should be aware that there are inherent unintended risks associated with the use of this product which are impossible to eliminate. These risks include, but are not limited to, injury to plants and crops to which this product is applied, lack of control of the target pests to this product. Such risks of crop injury, non-performance, or other unintended consequences are unavoidable and may result because of such factors as weather, soil conditions, disease, moisture conditions, irrigation practices, cultural practices or the manner of use or application, (or a combination of such factors) all of which are factors beyond the control of Valent. The Buyer should be aware that these inherent unintended risks may reduce the harvested yield of the crop in all or a portion of the treated acreage, or otherwise affect the crop such that additional care, treatment and expense are required to take the crop to harvest. If the Buyer chooses not to accept these risks, THEN THIS PRODUCT SHOULD NOT BE APPLIED. By applying this product Buyer acknowledges and accepts these inherent unintended risks AND TO THE FULLEST EXTENT ALLOWED BY LAW, AGREES THAT ALL SUCH RISKS ASSOCIATED WITH THE APPLICATION AND USE ARE ASSUMED BY THE BUYER.

Valent shall not be responsible for losses or damages (including, but not limited to, loss of yield, increased expenses of farming the crop or such incidental, consequential or special damages that may be claimed) resulting from use of this product in any manner not set forth on the label. Buyer assumes all risks associated with the use of this product in any manner or under conditions not specifically directed or approved on the label.

LIMITED WARRANTY

Valent warrants only that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated in the label, under average use conditions, when used strictly in accordance with the label **and subject to the Risks of Using This Product as described above. To the extent consistent with applicable law AND AS SET FORTH ABOVE, VALENT MAKES NO OTHER WARRANTIES, EITHER EXPRESSED OR IMPLIED.** No agent or representative of Valent or Seller is authorized to make or create any other express or implied warranty.

LIMITATION OF LIABILITY

To the fullest extent allowed by law, Valent or Seller is not liable for any incidental, consequential, indirect or special damages resulting from the use or handling of this product. The limitation includes, but is not limited to, loss of yield on all or any portion of the treated acreage, increased care, treatment or other expenses required to take the crop to harvest, increased finance charges or altered finance ratings, emotional or mental distress and/or exemplary damages. TO THE FULLEST EXTENT ALLOWED BY LAW, THE EXCLUSIVE REMEDY OF THE BUYER, AND THE EXCLUSIVE MAXIMUM LIABILITY OF VALENT OR SELLER FOR ANY AND ALL CLAIMS, LOSSES, INJURIES OR DAMAGES (INCLUDING CLAIMS BASED ON BREACH OF WARRANTY, CONTRACT, NEGLIGENCE, TORT, STRICT LIABILITY OR OTHERWISE) RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT SHALL BE THE RETURN OF THE PURCHASE PRICE OF THIS PRODUCT OR, AT THE ELECTION OF VALENT OR SELLER, THE REPLACEMENT OF THE PRODUCT.

PROMPT NOTICE OF CLAIM

To the extent consistent with applicable law allowing such requirements Valent must be provided notice as soon as Buyer has reason to believe it may have a claim, but in no event later than twenty-one days from date of planting, or twenty-one days from the date of application, whichever is latter, so that an immediate inspection of the affected property and growing crops can be made.

To the extent consistent with applicable law if Buyer does not notify Valent of any claims, in such period, it shall be barred from obtaining any remedy.

NO AMENDMENTS

Valent and Seller offer this product, and Buyer accepts it, subject to the foregoing Disclaimer, Risks of Using This Product, Limited Warranty and Limitation of Liability, which may not be modified by any oral or written agreement.

COMMERCIAL TANK MIXES

NOTICE: Commercial tank mixing or use of this product with any other product which is not specifically and expressly authorized by the label shall be the exclusive risk of user, applicator and/or application advisor.

Read and follow the entire label of each product to be used in the commercial tank mix with this product.

©2024 Valent U.S.A. LLC

Manufactured For:

Valent U.S.A. LLC

P.O. Box 5075

San Ramon CA 94583

(800)-682-5368

Made in U.S.A.

[EPA Reg. No. 59639-238]

[EPA Est.]

059639-00238.20240711.Metalaxyl.ID.Clean