



**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY**  
**WASHINGTON, DC 20460**

**OFFICE OF CHEMICAL SAFETY  
AND POLLUTION PREVENTION**

June 15, 2023

Robert L. Hamilton  
President  
Valent U.S.A. LLC  
4600 Norris Canyon Rd  
San Ramon CA 94583

**Subject:** Label Amendment – Harmonize Valent Recently Acquired Rotam Flumioxazin Technical label (EPA Reg. No. 59639-270) with Flumioxazin Technical Herbicide (EPA Reg. No. 59639-97) label by Adding two, Missing Crops (clover and grass grown for seed), Correct Minor Typographical Errors, and an Inadvertent Omission of the full Description of Crop Groupings.  
Product Name: Rotam Flumioxazin Technical  
EPA Registration Number: 59639-270  
Application Date: January 11, 2023  
Decision Number: 589563

Dear Dr. Hamilton:

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.

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 18 months from the date of this letter. After 18 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

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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 Ernest Kraka at (202)-566-2822 or at [kraka.ernest@epa.gov](mailto:kraka.ernest@epa.gov).

Sincerely,

A handwritten signature in black ink, appearing to read "Shaja B. Joyner". The signature is written in a cursive style with a large initial "S".

Shaja B. Joyner, Product Manager 20  
Fungicide-Herbicide Branch  
Registration Division 7505T

Enclosure



**ACCEPTED**  
 06/15/2023  
 Under the Federal Insecticide, Fungicide  
 and Rodenticide Act as amended, for the  
 pesticide registered under  
 EPA Reg. No. 59639-270

[MASTER LABEL]

[Text in brackets is optional or informational to EPA Reviewer]

## Rotam Flumioxazin Technical

**THIS HERBICIDE FOR FORMULATING USE ONLY.**

ACTIVE INGREDIENT:	BY WT.
Flumioxazin* .....	98.64%
Other Ingredients .....	<u>1.36%</u>
Total	100.00%

\*2-[7-fluoro-3,4-dihydro-3-oxo-4-(2-propyn-1-yl)-2H-1,4-benzoxazin-6-yl]-4,5,6,7-tetrahydro-1H-indole-1,3(2H)-dione

**KEEP OUT OF REACH OF CHILDREN**

### CAUTION - PRECAUCION

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle.  
 (If you do not understand the label, find someone to explain it to you in detail.)

**See next page for additional Precautionary Statements**

EPA Reg. No. 59639-270

**NET CONTENTS \_\_\_\_\_**

<b>FIRST AID</b>	
<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>• <b>Do not</b> induce vomiting unless told to do so by a poison control center or doctor.</li> <li>• <b>Do not</b> 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>
<b>HOT LINE NUMBER</b>	
<p>Have the product container or label with you when calling a poison control center or doctor or going for treatment. You may also contact Valent at <b>800-892-0099</b> for emergency medical treatment information.</p>	

*[Optional referral statements when booklets and container labels are used:*  
 See Panel for First Aid Instructions and booklet for complete Precautionary Statements and Directions for Use.  
 See label booklet for complete Precautionary Statements, Directions For Use, and Storage and Disposal.  
 See label booklet for additional Precautionary Statements Directions For Use, and Storage and Disposal.  
 See label booklet for complete Directions For Use.]

## **PRECAUTIONARY STATEMENTS**

### **HAZARDS TO HUMANS AND DOMESTIC ANIMALS**

#### **CAUTION**

Harmful if swallowed or absorbed through skin. Avoid contact with skin, eyes, or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Remove and wash contaminated clothing before reuse.

#### **ENVIRONMENTAL HAZARDS**

This product is toxic to non-target plants and aquatic invertebrates. **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.

#### **INSTRUCTIONS FOR FORMULATION**

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 FORMULATION OF FLUMIOXAZIN CONTAINING HERBICIDE PRODUCTS ONLY.**

This product is intended only for use in the formulation of flumioxazin herbicide containing products. Products formulated with Rotam Flumioxazin Technical will require registration with the Environmental Protection Agency.

## DIRECTIONS FOR USE

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

Read the entire label before using this product. Use strictly in accordance with label precautionary statements and directions. Only for formulation into herbicide products intended for the following uses:

### Terrestrial Food Uses On

**Individual Crop Uses:** Alfalfa; Globe Artichoke; Asparagus; Cactus (Prickly pear); Citrus oil; Clover; Cotton; Field Corn; Grass Grown for Seed; Hops; Mint; Olive; Peanut; Pomegranate; Soybean; Sugarcane and Wheat.

### Crop Group Uses

**Tuberous and Corm Vegetables (Subgroup No. 1C):** Arracacha; Arrowroot; Chinese Artichoke; Jerusalem Artichoke; Canna, Edible; Bitter and Sweet Cassava; Chayote (Root); Chufa; Dasheen (Taro); Ginger; Leren; Potato; Sweet Potato; Tanier; Turmeric; Bean Yam; and True Yam.

**Bulb Onion (Subgroup 3-07A):** Bulb Daylily; Bulb Fritillaria; Bulb Garlic; Bulb Great-Headed Garlic; Garlic, Bulb Serpent; Bulb Lily; Bulb Onion; Bulb Chinese Onion; Pearl Onion; Bulb Potato Onion; Bulb Shallot; cultivars, varieties, and/or hybrids of these.

**Leaf Petioles (Subgroup 4B):** Cardoon; Celery; Celery, Chinese; Celtuce; Fennel, Florence; Rhubarb; Swiss chard

**Brassica Head and Stem Vegetable Group 5-16:** Broccoli; Brussels Sprouts; Cabbage, Chinese, Napa; Cauliflower; cultivars, varieties, and/or hybrids of these.

**Dried Shelled Pea and Bean (except Soybean) (Subgroup 6C):** Dried cultivars of Bean (*Lupinus* spp.) (includes grain lupin, sweet lupin, white lupin, and white sweet lupin); Bean (*Phaseolus* spp.) (includes Field Bean; Kidney Bean; Lima Bean (dry); Navy Bean; Pinto Bean; Tepary Bean; Bean (*Vigna* spp.) (includes Adzuki Bean; Blackeyed Pea; Catjang; Cowpea; Crowder Pea; Moth Bean; Mung Bean; Rice Bean; Southern Pea; Urd Bean; Broad Bean (dry); Chickpea; Guar; Lablab Bean; Lentil; Pea (*Pisum* spp.) (includes Field Pea); Pigeon Pea.

**Fruiting Vegetables including okra (except Cucurbits) (Crop Group 8-10):** African Eggplant; Bush Tomato; Bell Pepper; Cocona; Currant Tomato; Eggplant; Garden Huckleberry; Goji Berry; Groundcherry (*Physalis* spp.); Martynia; Naranjilla; Okra; Pea Eggplant; Pepino; Non-Bell Pepper; Roselle; Scarlet Eggplant; Sunberry; Tomatillo; Tomato; Tree Tomato; cultivars, varieties, and/or hybrids of these.

**Cucurbit Vegetables (Crop Group 9):** Chayote (fruit); Chinese Waxgourd (Chinese Preserving Melon); Citron Melon; Cucumber; Gherkin; Gourd, Edible (includes Hyotan, Cucuzza, Hechima, Chinese Okra); *Momordica* spp. (includes Balsam Apple, Balsam Pear, Bittermelon, Chinese Cucumber); Muskmelon (includes Cantaloupe); Pumpkin; Squash, Summer; Squash, Winter (includes Butternut Squash, Calabaza, Hubbard Squash, Acorn Squash, Spaghetti Squash); Watermelon.

**Citrus Fruit (Crop Group 10-10):** Australian Desert Lime; Australian Finger-Lime; Australian Round Lime; Brown River Finger Lime; Calamondin; Citron; Citrus Hybrids; Grapefruit; Japanese Summer Grapefruit; Kumquat; Lemon; Lime; Mediterranean Mandarin; Mount White Lime; New Guinea Wild Lime; Sour Orange; Sweet Orange; Pummelo; Russell River Lime; Satsuma Mandarin; Sweet Lime; Tachibana Orange; Tahiti Lime; Tangelo; Tangerine (Mandarin); Tangor; Trifoliate Orange; Uniq Fruit; cultivars, varieties, and/or hybrids of these.

**Pome Fruit (Crop Group No 11-10):** Apple; Azarole; Crabapple; Loquat; Mayhaw; Medlar; Pear; Asian Pear; Quince; Chinese Quince; Japanese Quince; Tejocote; cultivars, varieties and/or hybrids of these.

**Stone Fruit (Crop Group No 12-12):** Apricot; Japanese Apricot; Capulin; Black Cherry; Nanking Cherry; Sweet Cherry; Tart Cherry; Chinese Jujube; Nectarine; Peach; Plum; American Plum; Beach Plum; Canada Plum; Cherry Plum; Chickasaw Plum; Damson Plum; Japanese Plum; Klamath Plum; Prune Plum; Plumcot; Sloe; and cultivars, varieties, and/or hybrids of these.

**Caneberry (Subgroup 13-07A):** Blackberry; Loganberry; Red And Black Raspberry; Wild Raspberry; cultivars, varieties, and/or hybrids of these.

**Bushberry (Subgroup Group No 13-07B):** Aronia Berry; Blueberry Highbush; Blueberry, Lowbush; Buffalo Currant; Chilean Guava; Cranberry, Highbush; Currant, Black; Currant, Red; Elderberry, European; Barberry; Gooseberry; Honeysuckle Edible; Huckleberry; Jostaberry; Juneberry (Saskatoon berry); Lingonberry; Native Currant; Salal; Sea Buckthorn; cultivars varieties and/or hybrids of these.

**Small Fruit Vine Climbing, except fuzzy kiwifruit (Subgroup 13-07F):** Amur river grape; gooseberry; grape; hardy kiwifruit; maypop; schisandra berry; cultivars, varieties and/or hybrids of these.

**Low Growing Berry (Subgroup 13-07G):** Bearberry; Bilberry; Lowbush Blueberry; Cloudberry; Cranberry; Lingonberry; Muntries; Partridgeberry; Strawberry; cultivars, varieties and/or hybrids of these.

**Nut Trees including Pistachio (Crop Group 14-12):** African Nut-Tree; Almond; Beechnut; Brazil Nut; Brazilian Pine; Bunya; Bur Oak; Butternut; Cajou Nut; Candlenut; Cashew; Chestnut; Chinquapin; Coconut; Coquito Nut; Dika Nut; Ginkgo; Guiana Chestnut; Hazelnut (Filbert) ; Heartnut; Hickory Nut; Japanese Horse-Chestnut; Macadamia Nut; Mongongo Nut; Monkey-Pot; Monkey Puzzle Nut; Okari Nut; Pachira Nut; Peach Palm Nut; Pecan; Pequi; Pili Nut; Pine Nut; Pistachio; Sapucaia Nut; Tropical Almond; Walnut, Black; Walnut, English; Yellowhorn; cultivars, varieties, and/or hybrids of these.

**Rapeseed (Subgroup 20A):** Borage; Crambe; Cuphea; Echium; Flax Seed; Gold of Pleasure; Hare's Ear Mustard; Lesquerella; Lunaria; Meadowfoam; Milkweed; Mustard Seed; Oil Radish; Poppy Seed; Rapeseed (Canola varieties only); Sesame; Sweet Rocket; cultivars, varieties, and/or hybrids of these.

**Sunflower (Subgroup 20B):** Calendula; Castor Oil Plant; Chinese Tallowtree; Euphorbia; Evening Primrose; Jojoba; Niger Seed; Rose Hip; Safflower; Stokes Aster; Sunflower; Tallowwood; Tea Oil Plant; Vernonia; Cultivars, varieties, and/or hybrids of these.

### **Terrestrial Non-Food Uses On**

**Conifers and Deciduous Trees and Ornamental Plants Including:** Christmas Trees; Dormant Turfgrass; Fallowland; Flowering Plants; Foliage Plants; Forestry including Conifer Reforestation and Poplar Plantations; Golf Courses; Ground Covers; Non-Bearing Fruit Trees and Nut; Ornamentals; Ornamental Trees; Outdoor Residential including Dormant Warm Season Turfgrass; Sod Farms; Shrubs and to maintain bare ground non-crop areas of farms and bare ground non-crop areas of Vineyards.

### **Aquatic Non-Food Uses On**

Bayous; Canals; Drainage Ditches; Lakes; Marshes; Ponds; Reservoirs; and other slow moving or quiescent bodies of water.

**Uses for which U.S. EPA has accepted the required data and/or citations of data that the formulator has submitted in support of registration and Uses for experimental purposes that are in compliance with U.S. EPA requirements.**



## **STORAGE AND DISPOSAL**

**DO NOT** contaminate water, food, or feed by storage, disposal or cleaning of equipment.

**PESTICIDE STORAGE:** Keep pesticide in original container. Store in a cool dry secure place. **DO NOT** put concentrate or dilute into food or drink containers. **DO NOT** put formulation or dilute spray solution into food or drink containers. Not for use or storage in or around the home. **DO NOT** contaminate food or foodstuffs. **DO NOT** store or transport near feed or food.

**PESTICIDE DISPOSAL:** Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

### **CONTAINER HANDLING:**

[Use the following for Nonrefillable **drum with liner**]

**[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 mixing equipment. Dispose of liner in a sanitary landfill or by other procedures allowed by State and local authorities. If drum is contaminated and cannot be reused\*, dispose of in the same manner.

\*Manufacturer may replace this phrase with one indicating whether and how fiber drum maybe reused.]

[Use the following for Nonrefillable **bag**]

**[NONREFILLABLE CONTAINER: DO NOT** reuse or refill this container. Completely empty bag into application equipment, then offer for recycling if available or dispose of empty bag in a sanitary landfill or by other procedures allowed by State and local authorities.]

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

**IMPORTANT:** Read the entire Label including this section titled Risks of Using this Product, Limited Warranty and Disclaimer, 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.

**RISKS OF USING THIS PRODUCT**

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. If the Buyer chooses not to accept these risks, THEN THIS PRODUCT SHOULD NOT BE USED. By using this product Buyer acknowledges and accepts these inherent unintended risks AND TO THE EXTENT CONSISTENT WITH APPLICABLE 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 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 AND DISCLAIMER**

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 extent consistent with applicable law, Valent or Seller is not liable for any incidental, consequential, indirect or special damages resulting from the use or handling of this product. TO THE EXTENT CONSISTENT WITH APPLICABLE 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 use.

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 **Risks of Using This Product, Limited Warranty and Disclaimer, and Limitation of Liability**, which may not be modified by any oral or written agreement.

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Manufactured for:  
**Valent U.S.A. LLC**  
P.O. Box 5075  
San Ramon CA 94583

EPA Reg. No. 59639-270  
EPA Est.

059639-00270.20230613.RotamFlumiTech.AMEND.Clover.GrassSeed.Clean