

59639-EUP-12

02/15/2006

1/7

Please read instructions on reverse before completing form.

Form Approved. OMB No. 2070-0060. Approval expires 2-28-95



United States
Environmental Protection Agency
Washington, DC 20460

☐ Registration
☐ Amendment
☒ Other

OPP Identifier Number

307299

Application for Pesticide - Section I

1. Company/Product Number 59639-EUP-12	2. EPA Product Manager Joanne Miller	3. Proposed Classification <input type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) Flumioxazin 51 WDG	PM# 23	
5. Name and Address of Applicant (Include ZIP Code) Valent U.S.A. Corporation 1600 Riviera Ave., Suite 200 Walnut Creek, CA 94596-8025 <input type="checkbox"/> Check if this is a new address		6. Expedited Review. In accordance with FIFRA Section 3(c)(3) (b)(i), my product is similar or identical in composition and labeling to: EPA Reg. No. _____ Product Name _____

Section - II

<input type="checkbox"/> Amendment - Explain below.	<input type="checkbox"/> Final printed labels in response to Agency letter dated _____	NOTIFICATION FEB 15 2006
<input type="checkbox"/> Resubmission in response to Agency letter dated _____	<input type="checkbox"/> "Me Too" Application.	
<input checked="" type="checkbox"/> Notification - Explain below.	<input type="checkbox"/> Other - Explain below.	

Explanation: Use additional page(s) if necessary. (For section I and Section II.)

NOTIFICATION: Addition of a Warranty Disclaimer statement

Section - III

1. Material This Product Will Be Packaged In:				2. Type of Container	
Child-Resistant Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Unit Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Water Soluble Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<input type="checkbox"/> Metal	<input checked="" type="checkbox"/> Plastic
				<input type="checkbox"/> Glass	<input type="checkbox"/> Paper
* Certification must be submitted		If "Yes" Unit Packaging wgt.	No. per container	If "Yes" Package wgt	No. per container
					Other (Specify) _____
3. Location of Net Contents Information <input checked="" type="checkbox"/> Label <input type="checkbox"/> Container		4. Size(s) Retail Container 1 or 5 lbs.		5. Location of Label Directions <input checked="" type="checkbox"/> On Labeling	
Manner in Which Label is Affixed to Product		<input checked="" type="checkbox"/> Lithograph <input type="checkbox"/> Paper glued <input type="checkbox"/> Stenciled <input type="checkbox"/> Other _____			

Section - IV

1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)					
Name Linda Obrestad		Title Labeling Specialist		Telephone No. (Include Area Code) (925) 256-2741	
Certification I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.					6. Date Application Received (Stamped)
2. Signature 		3. Title Labeling Specialist			
4. Typed Name Linda Obrestad		5. Date February 7, 2006			

2/7

1600 Riviera Avenue
Suite 200
P.O. Box 8025
Walnut Creek, CA 94596-8025
(925) 256-2700



February 7, 2006

FLUMIOXAZIN 51 WDG
Experimental Use Permit No. 59639-EUP-12
Notification
OPP. Identifier No. 307299

CERTIFICATION STATEMENT

This notification is consistent with the provisions of PR Notice 98-10 and EPA regulations at 40 CFR 152.46, and no other changes have been made to the labeling or the confidential statement of formula of this product. I understand that it is a violation of 18 U.S.C. Sec. 1001 to willfully make any false statement to EPA. I further understand that if this notification is not consistent with the terms of PR Notice 98-10 and 40 CFR 152.46, this product may be in violation of FIFRA and I may be subject to enforcement action and penalties under sections 12 and 14 of FIFRA.

Linda Obrestad
Labeling Specialist
Registration and Regulatory Affairs
Valent U.S.A. Corporation

FEB 15 2006

NOTIFICATION

Flumioxazin 51 WDG

For the Evaluation of the Control of Aquatic Weeds in Lakes, Ponds, Non-irrigation Canals and Other Water Bodies with Limited or No Outflow (Alabama, Florida, Georgia, Indiana, South Carolina and Texas Only)

Active Ingredient	By Wt.
Flumioxazin (2-[7-fluoro-3,4-dihydro-3-oxo-4-(2-propynyl)-2H-1,4-benzoxazin-6-yl]-4,5,6,7-tetrahydro-1H-isoindole-1,3(2H)-dione)	51%
Other Ingredients	49%
Total	100%

Flumioxazin is a water dispersible granule containing 51% active ingredient.

FOR EXPERIMENTAL USE ONLY

Not for sale to any person other than a participant or cooperator of the EPA approved Experimental Use Program.

KEEP OUT OF REACH OF CHILDREN

CAUTION**NET CONTENTS**

Manufactured for
Valent U.S.A. Corporation
Walnut Creek, CA 94596-8025
EPA Est. No. 11773-IA-01
EPA Experimental Use Permit No 59639-EUP-12

PRECAUTIONARY STATEMENTS**HAZARDS TO HUMANS & DOMESTIC ANIMALS****CAUTION**

Harmful if inhaled or absorbed through the skin. Causes moderate eye irritation. Avoid breathing dust and spray mist. Avoid contact with skin, eyes or clothing

FIRST AID

- | | |
|--------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| If inhaled: | <ul style="list-style-type: none">• 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 center or doctor for further treatment advice. |
| If on skin or clothing: | <ul style="list-style-type: none">• Take off contaminated clothing.• Rinse skin immediately with plenty of water for 15-20 minutes.• Call a poison control center or doctor for treatment advice. |
| If in eyes: | <ul style="list-style-type: none">• Hold eye open and rinse slowly and gently with water for 15-20 minutes.• Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye• Call a poison control center or doctor for treatment advice |
| If swallowed: | <ul style="list-style-type: none">• Call a poison control center 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 the poison control center or doctor.• Do not give anything by mouth to an unconscious person. |

4/2

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 **1-800-892-0099** for emergency medical treatment information.

PERSONAL PROTECTIVE EQUIPMENT (PPE):

Some of the materials that are chemical-resistant to this product are listed below. If you want more options, follow the instructions for category A on an EPA chemical-resistance category selection chart.

Applicators and other handlers must wear: long-sleeved shirt and long pants, chemical-resistant gloves made of any waterproof material such as polyethylene or polyvinyl chloride, shoes and socks. Follow manufacturer's instructions for cleaning/maintaining PPE. If there are no such instructions for washables, 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 immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.

ENVIRONMENTAL HAZARDS:

This product is toxic to non-target plants and aquatic invertebrates. Do not apply to water except as specified on the label. Drift and runoff may be hazardous to non-target plants and aquatic organisms in neighboring areas. Do not apply where runoff is likely to occur. Do not apply when weather conditions favor drift from treated areas. Do not contaminate water when disposing of equipment washwaters.

This pesticide is toxic to plants and should be used strictly in accordance with the drift and run-off precautions on this label in order to minimize off-site exposures.

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.

Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

WARRANTY DISCLAIMER STATEMENT

This product is for experimental use only. Valent U.S.A. Corporation makes no other express or implied warranty of merchantability or fitness for a particular purpose or any other express or implied warranty.

GENERAL INFORMATION

FLUMIOXAZIN 51 WDG is being evaluated for aquatic weed control by treating lakes, ponds, non-irrigation canals and other water bodies with limited or no outflow. FLUMIOXAZIN 51 WDG is a 51 percent water dispersible granule that is mixed with water and applied to aquatic areas. Flumioxazin 51 WDG may be applied as a subsurface application targeting submersed aquatic weeds or as a surface application targeting floating undesirable aquatic weeds. FLUMIOXAZIN 51 WDG controls weeds by inhibiting protoporphyrinogen oxidase, an essential enzyme required by plants for chlorophyll biosynthesis. FLUMIOXAZIN 51 WDG is a contact, fast acting herbicide. Rapid decomposition resulting from herbicide treatment can result in loss of oxygen in water. Water bodies containing large amounts of vegetation can be treated in sections to offset loss of oxygen.

GENERAL USE PRECAUTIONS AND RESTRICTIONS

Applications are limited to the states of Alabama, Florida, Georgia, Indiana, South Carolina and Texas.

- Treated bodies of water must be under the control of the applicator.
- Do not use treated water for swimming, fishing, drinking, irrigation or watering domestic animals.
- Treated bodies of water must be posted.

FOR EVALUATION OF THE CONTROL OF AQUATIC WEEDS

The following weeds maybe targeted for application of FLUMIOXAZIN 51 WDG under the EUP program:

- Cabomba (*Cabomba caroliniana*)
- Curlyleaf Pondweed (*Potamogeton crispus*)
- Duckweed (*Lemna* spp.)
- Eurasian Watermilfoil (*Myriophyllum spicatum*)
- Hydrilla (*Hydrilla verticillata*)
- Salvinia (*Salvinia molesta*)
- Water Lettuce (*Pistia stratiotes*)
- Water Hyacinth (*Eichhornia crassipes*)
- Watermilfoil (*Myriophyllum* spp.)

APPLICATION EQUIPMENT

Application equipment should be clean and in good repair.

MIXING INSTRUCTIONS

- Use water in pH range of 5 to 7. If pH is higher than 7, use an appropriate buffer to reduce pH to desirable range.
- Fill clean spray tank 1/2 full of desired level with water.
- Add the required amount of FLUMIOXAZIN 51 WDG to the spray tank while agitating.
- It is recommended when making foliar applications to floating aquatic weeds to add a non-ionic surfactant approved for aquatic use. Follow adjuvant manufacturer's label rates.
- Fill spray tank to desired level with water. Ensure that FLUMIOXAZIN 51 WDG is thoroughly mixed before making applications. Agitation should continue until spray solution has been applied.
- Mix only the amount of spray solution that can be applied the day of mixing. FLUMIOXAZIN 51 WDG should be applied within 6 hours of mixing.

SPRAYER CLEANUP

If spray equipment is dedicated to application of aquatic herbicides, the following steps are recommended to clean the spray equipment:

- Completely drain the spray tank and rinse the application equipment thoroughly, including the inside and outside of the tank and all in-line screens.

If spray equipment will be used for purposes other than applying aquatic herbicides, it must be thoroughly cleaned following application of FLUMIOXAZIN 51 WDG. The following steps must be used to clean the spray equipment:

- Completely drain the spray tank and rinse the application equipment thoroughly, including the inside and outside of the tank and all in-line screens.
- Fill tank with clean water and flush all hoses, booms, screens and nozzles.
- Turn off tank with clean water.
- Circulate through sprayer for 5 minutes.
- Then flush all hoses, booms, screens and nozzles for a minimum of 15 minutes.
- Drain tank completely.
- Remove all nozzles and screens and rinse them with clean water.

67

APPLICATION METHODS AND RATES

SURFACE APPLICATION

Apply FLUMIOXAZIN 51 WDG to floating weeds using appropriate equipment. For best results, FLUMIOXAZIN 51 WDG should be applied to actively growing weeds. Apply as a broadcast spray in a minimum of 30 gals. of water per acre. Applying FLUMIOXAZIN 51WDG under conditions that do not promote active weed growth will reduce herbicide effectiveness. It is recommended that an adjuvant be used. FLUMIOXAZIN 51 WDG may be tank mixed with 2,4-D and other registered surface applied herbicides for enhanced control of floating weeds. Application of FLUMIOXAZIN 51 WDG during early morning hours may enhance weed control. It is recommended that applications be made as early in the day as possible.

Surface Application Rates

Apply FLUMIOXAZIN 51 WDG with appropriate application equipment equipped with nozzles designed to deliver the desired spray pressure and spray volume. Apply FLUMIOXAZIN 51 WDG to floating weeds as a broadcast spray at 6 to 8 ounces of formulated product per acre. A minimum of 30 gals. of water per acre is recommended. When applying FLUMIOXAZIN 51 WDG, an adjuvant is recommended that contains at least 80% active ingredient at the manufacturer's recommend rate.

SUBSURFACE APPLICATION

Apply FLUMIOXAZIN 51 WDG by subsurface application for submersed weeds with appropriate equipment. Apply uniformly to ensure sufficient contact time. FLUMIOXAZIN 51 WDG breaks down very rapidly, and uniform coverage is essential to maximize efficacy. The minimum amount of diluent recommended per acre under the EUP is 50 gals. per acre. Best results will be achieved when applied to young or actively growing vegetation. Do not exceed 400 ppb FLUMIOXAZIN 51 WDG during any one application. Concentrations at the higher end of the range are recommended for topped out vegetation.

Subsurface Application Rates

Water Depth (ft.)	Concentration of FLUMIOXAZIN 51 WDG in Water (ppb) (Pounds Per Surface Acre at Given Depth)		
	100	200	400
1	0.53	1.1	2.1
2	1.1	2.1	4.2
3	1.6	3.2	6.4
4	2.1	4.2	8.5
5	2.6	5.3	10.6
6	3.2	6.4	12.7
7	3.7	7.4	14.8
8	4.2	8.5	16.9
9	4.8	9.5	19.1
10	5.3	10.6	21.2

717

1600 Riviera Avenue
Suite 200
PO. Box 8025
Walnut Creek, CA 94596-8025
(925) 256-2700



February 7, 2006

FLUMIOXAZIN 51 WDG
Experimental Use Permit No. 59639-EUP-12
NOTIFICATION
OPP ID No. 307299

Ms. Joanne Miller (Team 23)
Herbicide Branch (NOTIF)
Registration Division (7505C)
Office of Pesticide Programs
U.S. Environmental Protection Agency
Room 266A, Crystal Mall 2
1801 South Bell Street
Arlington, Virginia 22202

Dear Ms. Miller:

Valent U.S.A. Corporation is submitting this notification to update our
Experimental Use Permit for our product Flumioxazin 51 WDG (59639-EUP-12)
as follows:

- Addition of Warranty Disclaimer statement.

If you should have any questions please contact me at (925) 256-2791 or Eric
Maurer in our Washington DC office at (202) 872-4682.

Sincerely,

Linda Obrestad
Labeling Specialist
Registration and Regulatory Affairs

Enclosures