

81927-50

05/31/2012

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, D C 20460

OFFICE OF CHEMICAL SAFETY  
AND POLLUTION PREVENTION

Michael Kellogg  
Pyxis Regulatory Consulting, Inc  
4110 136<sup>th</sup> St NW  
Gig Harbor, WA 98332

MAY 31 2012

Subject Notification per PR Notice 98-10  
Alligare Fluridone WDG  
EPA Reg Nos 81927-50  
Application dated April 17, 2012

Dear Mr Kellogg

The Agency is in receipt of your Application for Pesticide Notification under Pesticide Registration Notice (PRN) 98-10 of the subject product The Registration Division (RD) has conducted a review of this request for its applicability under PRN 98-10 and finds that the action requested falls within the scope of PRN 98-10 The label submitted with the application has been date-stamped "Notification" and will be placed in our records

The alternate brand name "Alligare Fluridone Granule" has been added to your file

If you have any questions, please contact Hope Johnson at 703-305-5410

Sincerely,

A handwritten signature in black ink, appearing to read "Kathryn V. Montague".

Kathryn Montague  
Product Manager 23  
Herbicide Branch  
Registration Division (7505P)



United States  
Environmental Protection Agency  
Washington DC 20460

<input type="checkbox"/>	Registration
<input type="checkbox"/>	Amendment
<input checked="" type="checkbox"/>	Other

OPP Identifier Number

**Application for Pesticide - Section I**

1 Company/Product Number 81927-50	2 EPA Product Manager K Montague	3 Proposed Classification <input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted
4 Company/Product (Name) Alligare LLC / Alligare Fluridone WDG Aquatic Herbicide	PM# 23	
5 Name and Address of Applicant (Include ZIP Code) Alligare LLC c/o Pyxis Regulatory Consulting Inc 4110 136th St NW Gig Harbor WA 98332 <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 <b>NOTIFICATION</b> EPA Reg No _____ Product Name <b>MAY 31 2012</b>	

**Section - II**

<input type="checkbox"/> Amendment Explain below	<input type="checkbox"/> Final printed labels in response to Agency letter dated _____
<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 of a change in primary brand name PRN 98 10 The new primary brand name is Alligare Fluridone Granule 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

**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	If Yes Unit Packaging wgt No per container		<input type="checkbox"/> Metal <input checked="" type="checkbox"/> Plastic <input type="checkbox"/> Glass <input type="checkbox"/> Paper <input type="checkbox"/> Other (Specify) _____
* Certification must be submitted		If Yes Package wgt No per container			
3 Location of Net Contents Information <input checked="" type="checkbox"/> Label <input type="checkbox"/> Container		4 Size(s) Retail Container 1 qt 1 gal 2 5 gal		5 Location of Label Directions <input checked="" type="checkbox"/> On Label <input type="checkbox"/> On Labeling accompanying product	
6 Manner in Which Label is Affixed to Product <input checked="" type="checkbox"/> Lithograph Paper glued 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 Michael Kellogg	Title Agent	Telephone No (Include Area Code) 253 853 7369
<b>Certification</b> 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 <b>(Stamped)</b>
2 Signature 	3 Title Agent	
4 Typed Name Michael Kellogg	5 Date 4/17/12	

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PYXIS REGULATORY CONSULTING, INC

4110 136<sup>th</sup> St NW  
Gig Harbor WA 98332

Phone 253 853 7369  
Fax 253 853 5516  
www.PyxisRC.com

April 17, 2012

COURIER DELIVERY

Kathryn Montague (PM 23)  
Document Processing Desk (NOTIF)  
Office of Pesticide Programs (7504P)  
U S Environmental Protection Agency  
Room S 4900, One Potomac Yard  
2777 S Crystal Drive  
Arlington, VA 22202-4501

RE Alligare LLC – Alligare Fluridone WDG Aquatic Herbicide (EPA Reg No 81927-50)  
Submission of a Change in Primary Brand Name per PRN 98-10

Dear Ms Montague,

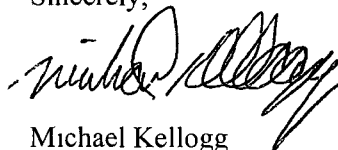
On behalf of Alligare, LLC please find the enclosed notification of a change in primary brand name for Alligare Fluridone WDG Aquatic Herbicide The new primary brand name is "Alligare Fluridone Granule

In support of this notification please find the enclosed documents

- 1 Completed Application for Registration (EPA Form 8570 1)
- 2 One (1) copy of the Alligare Fluridone Granule label with changes tracked
- 3 One (1) copy of the Alligare Fluridone Granule label with changes incorporated
- 4 Certification with Respect to Label Integrity
- 5 One (1) copy of the Alligare Fluridone Granule label on CD
- 6 Letter of Authorization

Please feel free to call me if you have any questions or need any additional information

Sincerely,



Michael Kellogg

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Enclosures

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NOTIFICATION

MAY 31 2012

# ~~Alligare Fluridone WDG~~ Alligare Fluridone Granule Aquatic Herbicide

For the control of aquatic vegetation in fresh water ponds, lakes, rivers, potable water sources, drainage or irrigation canals and reservoirs

**ACTIVE INGREDIENT**

Fluridone 1-methyl 3 phenyl-5-[3-(trifluoromethyl)phenyl]-4(1H)-pyridinone 5.0%

**OTHER INGREDIENTS**

95.0%

**TOTAL**

100.0%

Contains 0.05 pound active ingredient per pound of product

## 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)

FIRST AID	
<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>• Do not give anything by mouth to an unconscious person</li> </ul>
<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</li> <li>• Remove contact lenses if present after the first 5 minutes then continue rinsing eye</li> <li>• Call a poison control center or doctor for treatment advice</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>If inhaled</b>	<ul style="list-style-type: none"> <li>• Move person to fresh air</li> <li>• If person is not breathing call 911 or an ambulance then give artificial respiration preferably mouth-to-mouth if possible</li> <li>• Call a poison control center or doctor for further treatment advice</li> </ul>
HOT LINE NUMBER	
Have the product container or label with you when calling a poison control center or doctor or going for treatment. For emergency information concerning this product call the National Pesticides Information Center (NPIC) at 1-800-858-7378 seven days a week 6:30 am to 4:30 pm Pacific Time or your poison control center at 1-800-222-1222.	

**Manufactured for**

Alligare LLC  
13 N 8<sup>th</sup> Street  
Opelika AL 36801

EPA Reg No 81927 50

EPA Est No

**Net Weight**  
**PRECAUTIONARY STATEMENTS**  
**HAZARDS TO HUMANS AND DOMESTIC ANIMALS**  
**CAUTION**

Harmful if swallowed Causes moderate eye irritation Wash thoroughly with soap and water after handling and before eating drinking chewing gum or using tobacco Avoid contact with eyes or clothing Wear protective eyewear

**ENVIRONMENTAL HAZARDS**

Do not apply to water except as specified on the label Do not contaminate water outside the intended treatment area by disposal of equipment washwaters Do not apply in tidewater/brackish water Lowest rates should be used in shallow areas where the water depth is considerably less than the average depth of the entire treatment site for example shallow shoreline areas Trees and shrubs growing in water treated with ~~Alligare Fluridone WDG~~Alligare Fluridone Granule may occasionally develop chlorosis Follow use directions carefully so as to minimize adverse effects on non-target organisms

**DIRECTIONS FOR USE**

It is a violation of Federal law to use this product in a manner inconsistent with its labeling  
Read all Directions for Use carefully before applying

**PRODUCT INFORMATION**

~~Alligare Fluridone WDG~~Alligare Fluridone Granule is a selective systemic aquatic herbicide in pellet form for managing aquatic vegetation in fresh water ponds lakes rivers drainage or irrigation canals and reservoirs ~~Alligare Fluridone WDG~~Alligare Fluridone Granule contains 5% fluridone

This product is absorbed by plant shoots through water and through the roots of aquatic vascular plants via hydrosol and operates by inhibiting susceptible plants from forming carotene causing chlorophyll to degrade quickly in sunlight Susceptibility may be affected by factors such as stage of growth water movement and the season Symptoms of treatment include white (chlorotic) or pink growing points appearing 7-10 days following application Management of aquatic weeds will take between 30-90 days following treatment in optimum conditions

This product is most effective when applied before weed growth begins or when weeds start active growth Mature weeds may take longer to control and may require application rates at the higher end of the specified range Dilution of this product (caused by rapid water movement for example) will reduce effectiveness

The ELISA Test (Enzyme-Linked Immunoassay) also known as AquaScout® is recommended for calculating the required active ingredient (fluridone) concentration in treated water While AquaScout is one recommended method other proven methods of chemical analyses may also be used For more information contact Alligare LLC

The application rates provided below are expressed in pounds of ~~Alligare Fluridone WDG~~Alligare Fluridone Granule in order to achieve the specified concentration of active ingredient expressed in parts per billion (ppb)

**The maximum application rate or sum of all application rates per annual growth cycle is 90 ppb\* in ponds and 150 ppb\* in lakes and reservoirs**

\* This is calculated by using the actual application rate not by using the residue levels found by testing the treated water

**PRECAUTION**

Before applications of this product are made to public waters applicators must consult with relevant authorities as posting treatment notifications may be required and/or obtaining other permits/licenses may be necessary prior to treatment

**USE RESTRICTIONS**

Do NOT apply this product to waters less than 2 feet in depth in New York State

Do NOT apply this product to water used for hydroponic farming

Do NOT use water treated with this product for irrigation in greenhouses or for nursery plants UNLESS an AquaScout assay is carried out beforehand and shows that residues are less than 1 ppb

**Water Use Restrictions Following Application with ~~Alligare Fluridone WDG~~Alligare Fluridone Granule**

<b>Application Rate 150 ppb or less</b>	<b>Use Restriction (Days)</b>	<b>Notes</b>
<b>Drinking</b>	<b>0</b>	See the Potable Water Intakes section of this label (below) for instructions on the treatment of water within 0.25 miles of a functioning potable water intake
<b>Irrigation</b>	<b>0</b>	When irrigating with water treated with this product see the Irrigation section of this label (below) for time frames/fluridone residues that provide the widest safety margin
<b>Livestock / Domestic Animal Consumption</b>	<b>0</b>	
<b>Fishing</b>	<b>0</b>	
<b>Swimming</b>	<b>0</b>	

**Potable Water Intakes**

A concentration of up to 150 ppb of the active ingredient in ~~Alligare Fluridone WDG~~Alligare Fluridone Granule (fluridone) is allowed in potable water sources **but** for lakes and reservoirs/other sources of potable water applicators **MUST NOT** apply ~~Alligare Fluridone WDG~~Alligare Fluridone Granule at a rate greater than 20 ppb within 0.25 miles of any functioning potable water intake\*

This product may be applied at a rate of 8-20 ppb within 0.25 miles of any functioning potable water intake\*

\* former potable water intakes which are no longer used are not considered functioning potable water intakes for these purposes for example potable water intakes that have been replaced by a connection to another source of potable water e.g. the municipal water system

**Irrigation**

Damage may be caused to irrigated vegetables if irrigation waters are treated with ~~Alligare Fluridone WDG~~Alligare Fluridone Granule. There is a greater chance of injuring crops when water treated with this product is applied to soil with low organic content or soil with a high sand content. In order to minimize the risk of damage applicators must follow the assay directions and time frames in the table below

Source of Water Where <del>Alligare Fluridone WDG</del> <del>Alligare Fluridone Granule</del> has been applied	The use sites below <b>MUST NOT</b> be watered within the following time frames following application of <del>Alligare Fluridone WDG</del> <del>Alligare Fluridone Granule</del> to the source of water**			
	Established Row Crops	Established Plants	Established Turf	Established Tree Crops
Static Canals	30 days	30 days	30 days	7 days
Ponds***	30 days	30 days	30 days	
Lakes and Reservoirs****	7 days	7 days	7 days	
Rivers				
Canals				
For seedbeds newly seeded crops/grasses or on areas that will be planted (including golf course greens that have been over-seeded) an AquaScout assay is required prior to application. Do not use water treated with <del>Alligare Fluridone WDG</del> <del>Alligare Fluridone Granule</del> in these areas if the concentration of active ingredient (fluridone) is greater than 5 ppb. Consultation with an aquatic specialist is recommended before irrigating these sites.				
If the result of an AquaScout assay determine that the concentration of active ingredient (fluridone) is greater than 5 ppb do not use that water source to irrigate plants within the Solanaceae family e.g. tomatoes, peppers, tobacco. Members of the Solanaceae family must not be planted in land that has been irrigated with water treated with fluridone concentrations of greater than 5 ppb. Consultation with an aquatic specialist is recommended before irrigating these sites.				

\*\* If water treated with ~~Alligare Fluridone WDG~~  
~~Alligare Fluridone Granule~~ is to be used prior to the time frame detailed in the table above, applicators must carry out an AquaScout assay to determine the concentration of active ingredient (fluridone) in the water. Where the concentration of active ingredient is less than 10 ppb, there are no irrigation precautions/time frames for watering established row crops, established tree crops, or established turf.

\*\*\* For the purposes of applying this product, a pond is a body of water of 10 acres or less.

\*\*\*\* For the purposes of applying this product, a lake/reservoir is a body of water of greater than 10 acres. Where one half or more of the lake/reservoir has been treated with this product, use the time frame specified above for ponds and static canals.

**PLANT CONTROL INFORMATION**

The following categories are used to describe the expected efficacy of ~~Alligare Fluridone WDG~~  
~~Alligare Fluridone Granule~~ when applied using maximum label rates in ideal application conditions:

- controlled
- partially controlled
- not controlled (i.e. tolerant of ~~Alligare Fluridone WDG~~  
~~Alligare Fluridone Granule~~)

If ~~Alligare Fluridone WDG~~  
~~Alligare Fluridone Granule~~ is applied using lower application rates, the number of plants listed as partially controlled or controlled will increase.

The control of aquatic plants can also be categorized as controlled, partially controlled, or not controlled (i.e. tolerant of ~~Alligare Fluridone WDG~~  
~~Alligare Fluridone Granule~~). Before applying this product in order to determine the tolerance or susceptibility to ~~Alligare Fluridone WDG~~  
~~Alligare Fluridone Granule~~ of a plant, consult an aquatic specialist.

**IMPORTANT: Algae are not controlled by this product (nitella, filamentous and chara species)**

Alligare Fluridone WDG Alligare Fluridone Granule selectivity depends upon the following factors

- Dosage/concentration
- Water movement
- Stage of growth
- Application method
- The time of year

Species CONTROLLED by Alligare Fluridone WDG Alligare Fluridone Granule		
Submersed Plants	Floating Plants	Shoreline Grasses
bladderwort ( <i>Utricularia</i> spp ) common coontail ( <i>Ceratophyllum demersum</i> )# common Elodea ( <i>Elodea canadensis</i> )# egeria Brazilian Elodea ( <i>Egeria densa</i> ) fanwort Cabomba ( <i>Cabomba caroliniana</i> ) hydrilla ( <i>Hydrilla verticillata</i> ) naiad ( <i>Najas</i> spp ) # pondweed ( <i>Potamogeton</i> spp except Illinois pondweed) # watermilfoil ( <i>Myriophyllum</i> spp except variable-leaf milfoil)	duckweed ( <i>Lemna</i> # <i>Spirodela</i> # and <i>Landoltia</i> spp ) salvinia ( <i>Salvinia</i> spp ) mosquito fern ( <i>Azolla caroliniana</i> )#	paragrass ( <i>Urochloa mutica</i> )

# Native plants often tolerant to fluridone at lower use rates

Where selective control of exotic species is needed consult an aquatic specialist for recommended use rates Maximum rates on this label MUST NOT be exceeded

Species PARTIALLY CONTROLLED by Alligare Fluridone WDG Alligare Fluridone Granule		
Submersed Plants	Emersed Plants	Shoreline Grasses
Illinois pondweed ( <i>Potamogeton illinoensis</i> ) limnophila ( <i>Limnophila sessiliflora</i> ) tapegrass American eelgrass ( <i>Vallisneria americana</i> ) watermilfoil – variable-leaf ( <i>Myriophyllum heterophyllum</i> )	alligatorweed ( <i>Alternanthera philoxeroides</i> ) American lotus ( <i>Nelumbo lutea</i> ) cattail ( <i>Typha</i> spp ) creeping waterprimrose ( <i>Ludwigia peploides</i> ) parrotfeather ( <i>Myriophyllum aquaticum</i> ) smartweed ( <i>Polygonum</i> spp ) spatterdock ( <i>Nuphar luteum</i> ) spikerush ( <i>Eleocharis</i> spp ) waterlily ( <i>Nymphaea</i> spp ) waterpurslane ( <i>Ludwigia palustris</i> ) watershield ( <i>Brasenia schreberi</i> )	barnyardgrass ( <i>Echinochloa crusgalli</i> ) giant cutgrass ( <i>Zizaniopsis miliacea</i> ) reed canarygrass ( <i>Phalaris arundinaceae</i> ) southern watergrass ( <i>Hydrochloa carolinensis</i> ) torpedograss ( <i>Panicum repens</i> )



Species NOT CONTROLLED by <del>Alligare Fluridone WDG</del> Alligare Fluridone Granule		
Submersed Plants	Floating Plants	Shoreline Grasses
American frogbit ( <i>Limnobium spongia</i> )	floating waterhyacinth ( <i>Eichhornia crassipes</i> )	maidencane ( <i>Panicum hemitomon</i> )
arrowhead ( <i>Sagittaria</i> spp )	waterlettuce ( <i>Pistia stratiotes</i> )	
bacopa ( <i>Bacopa</i> spp )		
big floatingheart banana lily ( <i>Nymphoides aquatica</i> )		
bulrush ( <i>Scirpus</i> spp )		
pickerelweed lanceleaf ( <i>Pontederia</i> spp )		
rush ( <i>Juncus</i> spp )		
water pennywort ( <i>Hydrocotyle</i> spp )		

**Algae are not controlled by this product (nitella, filamentous and chara species)**

- Prior to application determine what aquatic plants are present in the area to be treated. Once species have been identified determine their susceptibility/tolerance to ~~Alligare Fluridone WDG~~ Alligare Fluridone Granule
- In order to determine the correct application rate calculate the surface area (in acres) that you wish to treat and the average depth of the water (in feet)
- Applicators MUST NOT exceed the maximum rate in this label for any treated area in an annual growth cycle

**Applications to Ponds**

The whole surface area of a pond may be treated with this product

For a single application of ~~Alligare Fluridone WDG~~ Alligare Fluridone Granule select an application rate that will provide a concentration of 30 to 90 ppb in treated water (see table below). Due to the slow release formulation of ~~Alligare Fluridone WDG~~ Alligare Fluridone Granule actual concentrations in treated water may be lower at any point.

Where dilution of the water to be treated is foreseen multiple applications may be used. The total of all applications in an annual growth cycle should be 30 to 90 ppb and MUST NOT exceed 90 ppb.

Use higher application rates

- Where there is a dense weed mass in the area to be treated
- Where there are species which are difficult to control
- In ponds less than 5 acres in surface area and an average depth of less than 4 feet

Lower application rates may be selected where the applicator requires selective control for sensitive target plants. Refer to the table below for application rates to achieve the appropriate concentration.

**Application Rates for Ponds (per Treated Surface Acre)**

Ave Depth (in feet)	Amount of <del>Alligare Fluridone</del> <b>WDG Alligare Fluridone Granule</b> required to achieve a concentration of <b>45 ppb</b>	Amount of <del>Alligare Fluridone</del> <b>WDG Alligare Fluridone Granule</b> required to achieve a concentration of <b>90 ppb</b>
1	2.5 pounds	5.0 pounds
2	5.0 pounds	10.0 pounds
3	7.5 pounds	15.0 pounds
4	10.0 pounds	20.0 pounds
5	12.5 pounds	25.0 pounds
6	15.0 pounds	30.0 pounds
7	17.0 pounds	34.0 pounds
8	19.5 pounds	39.0 pounds
9	22.0 pounds	44.0 pounds
10	24.5 pounds	49.0 pounds

For more application rate calculations see the **Method of Calculation of Application Rate Lakes, Reservoirs and Ponds** table below

**Application to Lakes and Reservoirs**

When applying ~~Alligare Fluridone~~ **WDG Alligare Fluridone Granule** to reservoirs and partial lakes for optimal results the treatment area should be 5 acres or more. Applying this product to smaller areas (i.e. less than 5 acres) or to narrow areas (e.g. shorelines or boat lanes) may result in sub-optimal results due to the dilution of treated water by untreated water.

**IMPORTANT** In reservoirs or lakes when applying this product within 0.25 miles of a potable water intake a single application **MUST NOT** exceed 20 ppb and the total of applications in a yearly growth cycle **MUST NOT** exceed 150 ppb.

The treatment methods below may be used as a method of application for whole or partial reservoirs or lakes. Ranges of rates of application are provided in order to deal with environmental factors such as

- plant susceptibility
- selectivity
- target species
- aquatic plant management objectives

Applicators must select the most appropriate application rate and application method in order to meet specific aquatic plant management objectives.

**Whole Lakes / Reservoirs with Limited or No Water Discharge**

**Treatment Method 1 Single Application to Whole Lakes/Reservoirs**

See the **Method of Calculation of Application Rate Lakes, Reservoirs and Ponds** section for specific application rate calculation.

When applying a single treatment to a whole lake/reservoir use an application rate of 16 to 90 ppb. In order to achieve the desired concentration use the table below. Select a rate from the table that will best meet plant management objectives.

Choose a lower application rate in the range where greater plant selectivity is required e.g. for the control of curlyleaf pondweed and Eurasian watermilfoil. When controlling other species it is the

recommendation of Alligare LLC that an aquatic specialist is consulted in order to determine when lower application rates should be used to meet plant management objectives

When dealing with

- difficult to control species
- dilution caused by heavy rainfall
- an area which is densely weeded

use the higher rate within the range When dealing with these plants/conditions split/multiple applications may be required

**IMPORTANT** The total of all applications in an annual growth cycle MUST NOT exceed 150 ppb

See Treatment Method 2 Split/Multiple Applications to Whole Lakes/Reservoirs for instructions and maximum application rates

**Single Application Rates for Whole Lakes/Reservoirs (per Treated Surface Acre)**

Ave Depth (in feet)	Amount of <del>Alligare Fluridone</del> <u>WDG Alligare Fluridone Granule</u> required to achieve a concentration of 16 ppb	Amount of <del>Alligare Fluridone</del> <u>WDG Alligare Fluridone Granule</u> required to achieve a concentration of 90 ppb
1	0.9 pounds	5.0 pounds
2	1.7 pounds	10.0 pounds
3	2.6 pounds	15.0 pounds
4	3.5 pounds	20.0 pounds
5	4.3 pounds	25.0 pounds
6	5.2 pounds	30.0 pounds
7	6.0 pounds	34.0 pounds
8	6.9 pounds	39.0 pounds
9	7.8 pounds	44.0 pounds
10	8.6 pounds	49.0 pounds
11	9.5 pounds	54.0 pounds
12	10.4 pounds	59.0 pounds
13	11.2 pounds	64.0 pounds
14	12.1 pounds	68.0 pounds
15	13.0 pounds	73.0 pounds
16	13.8 pounds	78.0 pounds
17	14.7 pounds	83.0 pounds
18	15.6 pounds	88.0 pounds
19	16.4 pounds	93.0 pounds
20	17.3 pounds	98.0 pounds

**Treatment Method 2 Split or Multiple Applications to Whole Lakes or Reservoirs**

Split/multiple applications may be required in order to achieve some plant management objectives for example where applicators want to use the minimum effective dose and then sustain that level of concentration in order to enhance selectivity and optimize efficiency

Where split/multiple applications are used apply ~~Alligare Fluridone~~ WDG Alligare Fluridone Granule at lower rates in the rate range i.e. 16 to 75 ppb Choose a lower application rate in the range where greater plant selectivity is required e.g. for the control of curlyleaf pondweed and Eurasian watermilfoil When

controlling other species it is recommended that an aquatic specialist is consulted in order to determine when lower application rates should be used in order to meet plant management objectives

**IMPORTANT** The total of all applications in an annual growth cycle MUST NOT exceed 150 ppb

### Treatment of Partial Lakes/Reservoirs

Split/multiple applications may be required where dilution of this product by untreated water is likely to occur e.g. when treating part of a reservoir or lake. In such circumstances split/multiple applications may be used in order to prolong the contact time of targeted plants with the active ingredient (fluridone)

The nature of the area to be treated with ~~Alligare Fluridone WDG~~ Alligare Fluridone Granule will dictate the required rate and frequency of application. For example, where greater dilution by untreated waters is predicted, apply ~~Alligare Fluridone WDG~~ Alligare Fluridone Granule at a higher rate in the range of rates

#### Treatment Method 3 For Areas More Than 0.25 Miles from a Functioning Potable Water Intake

**IMPORTANT** former potable water intakes which are no longer used are not considered functioning potable water intakes for these purposes. For example, potable water intakes that have been replaced by a connection to another source of potable water e.g. the municipal water system

For single applications, apply ~~Alligare Fluridone WDG~~ Alligare Fluridone Granule at an application rate of 45 to 150 ppb when treating with this product as a single application

Use split/multiple applications in order to sustain the required concentration of active ingredient for 45 days or longer. It is recommended that AquaScout is used in order to ensure that the required concentration is maintained

**IMPORTANT** When using split/multiple applications, the total of all applications in an annual growth cycle MUST NOT exceed 150 ppb

#### Treatment Method 4 For Areas within 0.25 Miles of a Functioning Potable Water Intake

A single application MUST NOT exceed 20 ppb in areas treated with ~~Alligare Fluridone WDG~~ Alligare Fluridone Granule that are less than 0.25 miles from a potable water intake. If applicators use split/multiple applications on areas which have a potable water intake, use an AquaScout test to determine the concentration of active ingredient (fluridone) in the water

**IMPORTANT** When using split/multiple applications, the total of all applications in an annual growth cycle MUST NOT exceed 150 ppb

Method of Calculation of Application Rate Lakes, Reservoirs and Ponds	
(Average depth of water (in feet) of area to be treated) X	
(Required concentration (in ppb) of active ingredient) <u>Alligare Fluridone Granule to be applied</u> X	= Amount of <del>Alligare Fluridone WDG</del> <u>Alligare Fluridone Granule</u> per acre of surface area (in pounds)
0.054	
<b>Example</b> to provide a concentration of 20 ppb in water with an average depth of 8 feet Ave depth 8 feet X Required concentration 20 ppb	= 8.6 pounds of <del>Alligare Fluridone WDG</del> <u>Alligare Fluridone Granule</u> per acre of surface area
X 0.054	
<b>IMPORTANT</b> Calculated rates MUST NOT exceed maximum rates listed in site specific application rate	

tables

### Treatment of Irrigation Canals, Drainage Canals and Rivers

**Static Drainage and Static Irrigation Canals** apply this product at the rate of 20 to 40 pounds per surface acre

**Rivers or Static or Moving Water Canals Containing a Functioning Potable Water Intake** apply ~~Alligare Fluridone WDG~~ Alligare Fluridone Granule as follows

In treating a static or moving water canal or river which contains a functioning potable water intake

- 1 Applications greater than 20 ppb must be made more than ¼ mile from a functioning potable water intake
- 2 Applications less than 20 ppb may be applied within ¼ mile from a functioning potable water intake however if applications are made within ¼ mile from a functioning water intake the AquaScout test must show that the concentration of active ingredient (fluridone) in the treated water does not exceed 150 ppb at the potable water intake

**Rivers and Moving Water Canals** apply ~~Alligare Fluridone WDG~~ Alligare Fluridone Granule as follows ~~Alligare Fluridone WDG~~ Alligare Fluridone Granule will perform better if the water flow can be restricted

In slow moving bodies of water use an application technique that maintains a concentration of 10 to 40 ppb in the applied area for a minimum of 45 days ~~Alligare Fluridone WDG~~ Alligare Fluridone Granule can be applied by split or multiple broadcast applications or by metering in the product to provide a uniform concentration of the herbicide based upon the flow pattern

The use of an AquaScout test is recommended to maintain the desired concentration in the target area over time

Method of Calculation of Application Rate Drainage Canals, Irrigation Canals and Rivers			
<b>Step 1</b>	Average flow rate (in feet per second) X Average width (in feet) X Average Depth (in feet) X 0.9	=	Cubic feet per second (CFS)
<b>Step 2</b>	CFS X 1.98	=	Water movement in acre feet per day
<b>Step 3</b>	Acre feet per day X Required ppb <u>Granule to be applied per</u> X 0.054	=	<del>Alligare Fluridone WDG</del> <u>Alligare Fluridone Granule</u> day (in pounds)

### STORAGE AND DISPOSAL

Do not contaminate water food or feed by storage or disposal

**PESTICIDE STORAGE** Store in original container only Do not store near feed or foodstuffs In case of spill contain material and dispose as waste

**PESTICIDE DISPOSAL** Wastes resulting from use of this product may be used according to label directions or disposed of at an approved waste disposal facility

**CONTAINER HANDLING** Nonrefillable container Do not reuse or refill this container Triple rinse container (or equivalent) promptly after emptying Triple rinse as follows Empty the remaining contents into application equipment or a mix tank Fill the container ¼ full with water and recap Shake for 10 seconds Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal Drain for 10 seconds after the flow begins to drip Repeat this procedure two more times Then offer for recycling if available or puncture and dispose of in a sanitary landfill or by incineration or if allowed by state and local authorities by burning If burned stay out of smoke

### CONDITION OF SALE AND LIMITATION OF WARRANTY AND LIABILITY

To the extent consistent with applicable law upon purchase or use of this product purchaser and user agree to the following terms

**Warranty** Alligare LLC (the Company) warrants that this product conforms to the chemical description on the label in all material respects and is reasonably fit for the purpose referred to in the directions for use subject to the exceptions noted below which are beyond the Company's control To the extent consistent with applicable law the Company makes no other representation or warranty express or implied concerning the product including no implied warranty of merchantability or fitness for a particular purpose To the extent consistent with applicable law no such warranty shall be implied by law and no agent or representative is authorized to make any such warranty on the Company's behalf

**Terms of Sale** The Company's directions for use of this product must be followed carefully It is impossible to eliminate all risks inherently associated with use of this product Crop injury ineffectiveness or other unintended consequences may result because of such factors as weather conditions presence of other materials and the manner of use or application (including failure to adhere to label directions) all of which are beyond the Company's control To the extent consistent with applicable law all such risks are assumed by the user

**Limitation of Liability** To the extent consistent with applicable law the exclusive remedy against the Company for any cause of action relating to the handling or use of this product is a claim for damages and in no event shall damages or any other recovery of any kind exceed the price of the product which caused the alleged loss damage injury or other claim To the extent consistent with applicable law under no circumstances shall the Company be liable for any special indirect incidental or consequential damages of any kind including loss of profits or income Some states do not allow the exclusion or limitation of incidental or consequential damages

The Company and the seller offer this product and the purchaser and user accept this product subject to the foregoing warranty terms of sale and limitation of liability which may be varied or modified only by an agreement in writing signed on behalf of the Company by an authorized representative