OFFICE OF CHEMICAL SAFETY AND POLLUTION PREVENTION
WASHINGTON, D.C. 20460

November 21, 2025

Tasha Lott
Product Registration Manager
Albaugh, LLC
1525 NE 36th Street
Ankeny, IA 50021

Subject: Label Amendment - Registration Review Mitigation for Fluridone
Product Name: FLURIDONE 4L
EPA Registration Number: 42750-280
Case Number: 479759
Application Dates: August 4, 2022

Dear Tasha Lott:

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

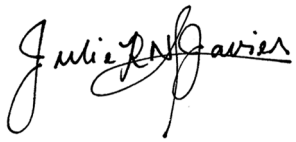
Should you wish to add/retain a reference to the company's website on your label, then please be aware that the website becomes labeling under the Federal Insecticide, Fungicide, and Rodenticide Act and is subject to review by the Agency. If the website is false or misleading, the product would be misbranded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

A stamped copy of your labeling is enclosed for your records. This labeling supersedes all previously accepted labeling and must be used at your next label printing. 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.

If you have any questions about this letter, please contact Caleb Carr by phone at 202-566-0636, or via email at carr.caleb@epa.gov.

Sincerely,



Julie Javier, Team Leader
Risk Mitigation and Implementation Branch 4
Pesticide Re-Evaluation Division
Office of Pesticide Programs

ENCLOSURE: Stamped label

FLURIDONE	GROUP	12	HERBICIDE

FLURIDONE 4L

An herbicide for management of aquatic vegetation in fresh water ponds, lakes, reservoirs, potable water sources, drainage canals and irrigation canals.

ACTIVE INGREDIENT:

Fluridone: 1-methyl-3-phenyl-5-[3-(trifluoromethyl)phenyl]-4(1H)-pyridinone	41.7%
OTHER INGREDIENTS:	58.3%
TOTAL:	100.0%

Contains 4 pounds active ingredient per gallon

KEEP OUT OF REACH OF CHILDREN

CAUTION/PRECAUTION

Si usted no entiende la etiqueta, busque a algiuen 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	
IF SWALLOWED:	• 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.
IF IN EYES:	• 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 ON SKIN OR CLOTHING:	• 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 INHALED	• Move person to fresh air • If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferable by mouth-to-mouth, if possible. • Call a poison control center or doctor for further treatment advice.
HOT LINE NUMBER: Have the product container or label with you when calling a poison control center or doctor, or going for treatment. FOR MEDICAL EMERGENCIES INVOLVING THIS PRODUCT, CALL CHEMTREC® TOLL FREE AT 1-800-424-9300.	

EPA Reg. No. 42750-280

EPA Est. No. xxxxxx-xx-xxx

NET CONTENTS: _____ gallons

MANUFACTURED BY:
Albaugh, Inc.
Ankeny, IA 50021

ACCEPTED
Nov 21, 2025
Under the Federal Insecticide, Fungicide and Rodenticide Act as amended, for the pesticide registered under
EPA Reg. No. 42750-280

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION

Harmful if swallowed, absorbed through skin, or if inhaled. Causes moderate eye irritation. Avoid breathing of spray mist. Avoid contact with skin, eyes, or clothing. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse.

PERSONAL PROTECTIVE EQUIPMENT

Mixers, loaders, applicators must wear waterproof gloves.

PHYSICAL AND CHEMICAL HAZARDS

Do not mix or allow to come in contact with oxidizing agents, as Hazardous Chemical Reactions may occur.

ENVIRONMENTAL HAZARDS

Do not apply to water except as specified on the label. Follow use directions carefully so as to minimize adverse effects on non-target organisms. Do not contaminate water when disposing of equipment washwaters. Trees, turf, and shrubs growing in water treated with FLURIDONE 4L may occasionally develop chlorosis. 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.

NON-TARGET ORGANISM ADVISORY STATEMENT: This product is toxic to plants and may adversely impact the forage and habitat of non-target organisms, including pollinators, in areas adjacent to the treated site. Protect the forage and habitat of non-target organisms by following label directions intended to minimize spray drift.

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.

Shake well before using.

WEED RESISTANCE MANAGEMENT

For resistance management, Fluridone 4L is a Group 12 herbicide. Any weed population may contain or develop plants naturally resistant to Fluridone 4L and other Group 12 herbicides. The resistant biotypes may dominate the weed population if these herbicides are used repeatedly. Appropriate resistance management strategies should be followed.

To delay herbicide resistance, take one or more of the following steps:

- Rotate the use of Fluridone 4L or other Group 12 herbicides with different herbicide groups that control the same weeds.
- Adopt an integrated weed-management program for herbicide use that includes scouting and uses historical information related to herbicide use, and that considers mechanical control methods and other management practices.

- Scout after herbicide application to monitor weed populations for early signs of resistance development. Indicators of possible herbicide resistance include: (1) failure to control a weeds species normally controlled by the herbicide at the dose applied, especially if control is achieved on adjacent weeds; (2) a spreading patch of non-controlled plants of a particular weed species. If resistance is suspected, prevent weed seed production in the affected area by an alternative herbicide from a different group or by a mechanical method. Prevent movement of resistant weed seeds by cleaning equipment when moving between sites.
- If a weed pest population continues to progress after treatment with this product, discontinue use of this product, and switch to another management strategy or herbicide with a different mode of action, if available.
- Contact your local extension specialist for additional pesticide resistance-management and/or integrated weed-management recommendations for specific crops and weed biotypes.

SPRAY DRIFT ADVISORIES

THE APPLICATOR IS RESPONSIBLE FOR AVOIDING OFF-SITE SPRAY DRIFT.
BE AWARE OF NEARBY NON-TARGET SITES AND ENVIRONMENTAL CONDITIONS.

IMPORTANCE OF DROPLET SIZE

An effective way to reduce spray drift is to apply large droplets. Use the largest droplets that provide target pest control. While applying larger droplets will reduce spray drift, the potential for drift will be greater if applications are made improperly or under unfavorable environmental conditions.

Controlling Droplet Size – Ground Boom

- Volume – Increasing the spray volume so that larger droplets are produced will reduce spray drift. Use the highest practical spray volume for the application. If a greater spray volume is needed, consider using a nozzle with a higher flow rate.
- Pressure – Use the lowest spray pressure recommended for the nozzle to produce the target spray volume and droplet size.
- Spray Nozzle – Use a spray nozzle that is designed for the intended application. Consider using nozzles designed to reduce drift.

BOOM HEIGHT – Ground Boom

For ground equipment, the boom should remain level with the crop and have minimal bounce.

SHIELDED SPRAYERS

Shielding the boom or individual nozzles can reduce spray drift. Consider using shielded sprayers. Verify that the shields are not interfering with the uniform deposition of the spray on the target area.

TEMPERATURE AND HUMIDITY

When making applications in hot and dry conditions, use larger droplets to reduce effects of evaporation.

TEMPERATURE INVERSIONS

Drift potenti al is high during a temperature invers ion. Temperature inversions are characterized by increasing temperature with altitude and are common on nights with limited cloud cover and light to no wind. The presence of an inversion can be indicated by ground fog or by the movement of smoke from a ground source or an aircraft smoke generator. Smoke that layers and moves laterally in a concentrated cloud (under low wind conditions) indicates an inversion, while smoke that moves upward and rapidly dissipates indicates good vertical air mixing. Avoid applications during temperature inversions.

WIND

Drift potential generally increases with wind speed. AVOID APPLICATIONS DURING GUSTY WIND CONDITIONS. Applicators need to be familiar with local wind patterns and terrain that could affect spray

drift.

Boomless Ground Applications:
Setting nozzles at the lowest effective height will help to reduce the potential for spray drift.

Handheld Technology Applications:
Take precautions to minimize spray drift.

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, or near oxidizing agents. In case of leak or spill, use absorbent materials to contain liquids 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: Non-refillable 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 and drain for 10 seconds after the flow begins to drip. Fill the container % 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. Offer for recycling, if available.

PRODUCT INFORMATION

FLURIDONE 4L herbicide is a selective aquatic herbicide. Applied to freshwater ponds, lakes, reservoirs, drainage canals and irrigation canals (including dry or de-watered areas of these sites), FLURIDONE 4L helps manage undesirable aquatic weeds. Susceptible aquatic vascular plants absorb the FLURIDONE 4L through the shoots and roots. For effective control, contact of FLURIDONE 4L with the target plants must be maintained for at least 45 days. Effective control is reduced if conditions exist that dilute the concentration of FLURIDONE 4L in the water.

The mode of action of FLURIDONE 4L involves inhibition of carotene synthesis in the target weeds. Lack of carotene in plants causes the chlorophyll to break down when the plants are exposed to sunlight. New shoot growth on target weeds begins to turn chlorotic (white) or pink in color within 7 to 10 days of exposure to FLURIDONE 4L. Ideally, 30 to 90 days of continuous exposure to FLURIDONE 4L will provide optimum control of target weeds. Some plant species may not be controlled by FLURIDONE 4L under all conditions. Factors affecting herbicide performance include growth stage of the target weed, the time of year when FLURIDONE 4L is applied, and dilution or movement of treated water.

Optimum results are achieved when FLURIDONE 4L is applied before weeds begin to actively grow. For mature plants, the higher application rates will be required and effects due to FLURIDONE 4L treatment will take longer to observe.

A suitable analysis of the water to determine the concentration of FLURIDONE 4L is highly recommended. The most common method of water analysis for measuring fluridone concentrations which is recommended by Albaugh, Inc is the Enzyme-Linked Immunoassay (ELISA Test). Contact Albaugh, LLC for information on this test when using FLURIDONE 4L in treatment programs.

Application rates are shown in fluid ounces or quarts of FLURIDONE 4L to achieve a desired concentration of the active ingredient in parts per billion by weight (ppbw).

RESTRICTIONS

- **Permits**: Consult with appropriate state or local water authorities before applying FLURIDONE 4L since state or local agencies may require permits to use FLURIDONE 4L.
- **Chemigation**: Do not apply FLURIDONE 4L through any type of irrigation system.
- **Hydroponic Farming**: Do not use FLURIDONE 4L treated water for hydroponic farming.
- **Greenhouse and Nursery Plants**: Do not use water which has been treated with FLURIDONE 4L to irrigate greenhouse or nursery plants unless chemical assays of the water indicate fluridone residues are less than one parts per billion (ppb).
- **Maximum Use Rates**: Do not apply more than a total of 90 ppb in ponds and 150 ppb in lakes and reservoirs per annual growth cycle. These maximum concentrations are the amounts of fluridone calculated as the target application rate, NOT the concentration determined by analysis of fluridone in the treated water.
- **Waiting Periods**: For application rates 150 ppb or less, treated water may be used immediately with no waiting period for drinking (potable) water (including watering livestock and pets), fishing or swimming. See specific restrictions below for Potable Water Intakes and Irrigation.
- **Potable Water Intakes**: In lakes and reservoirs or other sources of potable water, DO NOT APPLY FLURIDONE 4L at application rates greater than 20 ppb within 1/4 mile (1320 feet) of any functioning potable water intake. If rates are between 6 and 20 ppb, FLURIDONE 4L MAY BE APPLIED where functioning potable water intakes are present.
  Note: Existing potable water intakes which are no longer in use, such as those replaced by potable water wells or connections to a municipal water system, are not considered to be functioning potable water.

IRRIGATION

- Irrigation using water treated with FLURIDONE 4L may injure the irrigated vegetation.

- Instruct those who use FLURIDONE 4L-treated water to follow the recommended waiting periods listed in the table below and to assay the water for fluridone residues. For crops grown on low organic and sandy soils and irrigated with FLURIDONE 4L-treated water, the potential for crop injury is greater than for crops grown on heavier soils.

- If a shorter waiting period is desired for irrigation of crops using FLURIDONE 4L-treated water, use a suitable analysis (ELISA or other methods) to measure the concentration of fluridone in the treated water. If the concentration of fluridone is less than 10 ppb, established tree crops, established row crops or turf can be irrigated with FLURIDONE 4L treated water.

- If the concentrations of fluridone are greater than 5 ppb, tobacco, tomatoes, peppers or other plants within the Solanaceae Family and newly seeded crops or newly seeded grasses such as over-seeded golf course greens should NOT be irrigated with FLURIDONE 4L-treated water. Rotation Crops: Do not plant members of the Solanaceae family on land that has been previously irrigated with water containing more than 5 ppb of fluridone. Consult an aquatic specialist prior to commencing irrigation of such sites.

FLURIDONE 4L Application Sites	Number of Days to Wait after FLURIDONE 4L Application Before Irrigating with FLURIDONE 4L-treated Water		
	Established Tree Crops	Established Row Crops/Turf/Plants	Newly Seeded Crops/Seedbed or Areas To be Planted Including Overseeded Golf Course Greens

Ponds and Static Canals*	7	30	Assay required
Canals	7	14	Assay required
Lakes and Reservoirs**	7	14	Assay required
Dry or De-watered Canals***	0	0	***

*Ponds: For FLURIDONE 4L labeling purposes, a pond is defined as a body of water 10 acres or less in size Lakes or Reservoirs: For FLURIDONE 4L labeling purposes, a lake or reservoir is defined as greater than 10 acres in size. When only one-half or more of the lake or reservoir is treated, follow the Pond and Static Canal precautions.
**In lakes and reservoirs where one-half or greater of the body of water is treated, use the pond and static canal irrigation precautions. When applying FLURIDONE 4L to exposed sediments of aquatic sites such as lakes and reservoirs, follow these time frames prior to using water for irrigation once sites are reflooded.
***When FLURIDONE 4L is applied to exposed sediments of dry or de-watered canals, allow canals to refill for a minimum of 24 hours before using water for irrigation.

AQUATIC PLANT INFORMATION

Depending on the use rate, water movement, application timing, weed growth stage and application method, FLURIDONE 4L will control, partially control, or will not control certain aquatic plant species. The table below categorizes the species when FLURIDONE 4L is applied under ideal application conditions at higher to maximum label rates. When lower rates are used, certain species in the controlled or partially controlled categories will show increased tolerance to FLURIDONE 4L. Aquatic plants not listed may also be controlled, partially controlled, or be tolerant to FLURIDONE 4L.

Before applying FLURIDONE 4L, identify the aquatic plants to determine their susceptibility to FLURIDONE 4L.

Vascular Aquatic Plants Controlled by FLURIDONE 4L

Floating Plants	Emersed Plants	Submersed Plants	Shoreline Grasses
common duckweed (Lemna minor)	spatterdock (Nuphar luteum)	bladderwort (Utricularia spp.)	paragrass (Urochloa mutica)
	water-lily (Nymphaea spp.)	common coontail (Ceratophyllum demersum)	
		common elodea (Elodea canadensis)	
		egeria, Brazilian elodea (Egeria densa)	
		fanwort, cabomba (Cabomba caroliniana)	
		hydrilla (Hydhlla verticillata)	
		naiad (Najas spp.)	
		pondweed (Potamogeton spp. (except Illinois pondweed)	
		watermilfoil (Myriophyllum spp., except variable-leaf milfoil)	
		Widgeon grass (Ruppia maritime)	

Vascular Aquatic Plants Partially Controlled by FLURIDONE 4L

Floating Plants	Emersed Plants	Submersed Plants	Shoreline Grasses
common watermeal (Wolffia Columbiana)*	alligatorweed (Altemanthera philoxeroides)	Illinois pondweed (Potamogeton illinoensis)	barnyardgrass (Echinochloa crusgalli)
	American lotus (Nelumbo lutea)	Limnophila (Limnophila sessiliflora)	giant cutgrass (Zizaniopsis miliacea)
	cattail (Typha spp.)	tapegrass, American eelgrass (Vallisneria americana)	reed canarygrass (Philaris amndinaceae)
	creeping waterprimrose (Ludwigia peploides)	watermilfoil-variable-leaf milfoil (Myriophyllum heterophyllum)	southern watergrass (Hydrochloa caroliniensis)
	parrotfeather (Myriophyllum aquaticum)		torpedograss (Panicum repens)
	smartweed (Polygonum spp.)		
	spikerush (Eleocharis spp.)		
	waterpurslane (Ludwigia palusths)		
	watershield (Brasenia schreberi)		

*FLURIDONE 4L when used at the maximum use rate only provides partial control of this species.

Vascular Aquatic Plants Not Controlled by FLURIDONE 4L*

Floating Plants	Emersed Plants	Submersed Plants	Shoreline Grasses
waterlettuce (Pistia stratiotes)	American frogbit (Limnobium spongia)		maidencane (Panicum hemitomon)
	arrowhead (Sagittaria spp.)		
	bacopa (Bacopa spp.)		
	big floatingheart, banana lily (Nymphoides aquatica)		
	bulrush (Scirpus spp.)		
	floating waterhyacinth (Eichhomia crassipes)		
	pickerelweed, lanceleaf (Pontederia spp.)		
	rush (Juncus spp.)		
	water pennywort (Hydrocotyle umbellata)		

*Note: FLURIDONE 4L does not control algae (Chara, Nitella, and single-cellular, colonial and filamentous species).

PREPARATION OF FLURIDONE 4L SPRAY SOLUTIONS

Determine the amount of area (acres) to be treated and water depths in the treatment sites so that the correct application rate is selected.

Use the steps below to prepare spray mixtures of FLURIDONE 4L:

1. Be sure to shake well the containers of FLURIDONE 4L before adding the product to the spray tank during mixing and loading operations.
2. Add 1/2 to 3/4 the required amount of water to the spray tank. Begin agitation of the spray mixture and continue agitation during the mixing operations.
3. Add the specified amount of FLURIDONE 4L to the spray tank during the remainder of the mixing operation.
4. Add the remaining amount of specified water.
5. Continue agitation of the spray mixture during the herbicide application operation.

Make surface or subsurface applications using conventional spray equipment. Use weighted trailing hoses to apply FLURIDONE 4L near the surface of the hydrosoil. Make applications with a spray volume of 5 to 100 gallons per acre. A metering system which mixes concentrated FLURIDONE 4L with water and then introduces this slurry into the suction side of the application equipment may also be used.

Note: FLURIDONE 4L is not corrosive to application equipment.

Tank Mix Information

Tank mixes of this product with other aquatic herbicides and algaecides may provide greater efficacy and broader weed control or plant selectivity. Refer to the label for the herbicide or algaecide used as a tank mix with FLURIDONE 4L for use directions, precautions and restrictions.

DIRECTIONS FOR APPLICATION - PONDS

FLURIDONE 4L may be applied to the entire surface area of a pond. For single applications, rates may be selected to provide 45 to 90 ppb to the treated water. Use the higher rate within the rate range where there is a dense weed mass, when treating more difficult to control species, and for ponds less than 5 acres in size with an average depth less than 4 feet. Application rates necessary to obtain these concentrations are shown in the following table. For additional application rate calculations, refer to the section "How To Calculate Application Rates" at the end of this label. Split or multiple applications may be used where dilution of treated water is anticipated; however, the sum of all applications must not exceed a total of 90 ppb per annual growth cycle.

Average Water Depth of Treatment Site in Feet	Fluid Ounces (or Qts.) of FLURIDONE 4L per Treated Acre To Achieve Desired Herbicide Concentration:		Application Directions
	45 ppb	90 ppb	
1	3.8 fl. oz. (0.12 qts.) (0.12 lb ai)	7.7 fl. oz. (0.24 qts.) (0.24 lb ai)	Apply FLURIDONE 4L to the entire surface area of the pond. Single Applications: Use the amount of FLURIDONE 4L listed to give 45 to 90 ppb fluridone in treated water. Higher rates should be used for dense weed infestations, for difficult-to-control species, and for smaller ponds (less than 5 acres in size and average water depths of less than 4 feet). Split or Multiple applications: Use when dilution of the treated water is likely to occur. Do not exceed 90 ppb per annual growth cycle.
2	7.7 (0.24) (0.24 lb ai)	15.7 (0.49) (0.49 lb ai)	
3	11.8 (0.37) (0.37 lb ai)	23.4 (0.73) (0.73 lb ai)	
4	15.7 (0.49) (0.49 lb ai)	31.4 (0.98) (0.98 lb ai)	
5	19.5 (0.61) (0.61 lb ai)	39.0 (1.22) (1.22 lb ai)	
6	23.4 (0.73) (0.73 lb ai)	46.7 (1.46) (1.46 lb ai)	
7	27.2 (0.85) (0.85 lb ai)	54.4 (1.70) (1.70 lb ai)	
8	31.4 (0.98) (0.98 lb ai)	62.4 (1.95) (1.95 lb ai)	
9	35.2 (1.1) (1.1 lb ai)	70.1 (2.19) (2.19 lb ai)	
10	39.0 (1.22) (1.22 lb ai)	78.1 (2.44) (2.44 lb ai)	

DIRECTIONS FOR APPLICATION - LAKES AND RESERVOIRS

FLURIDONE 4L may be used for treatment of both whole lakes and reservoirs and partial areas of lakes or reservoirs (bays and coves). Target weeds in partial lake and reservoir treatments which are at least 5 acres

in size are more effectively treated with FLURIDONE 4L than smaller size areas. Smaller treatment areas (less than 5 acres) or narrow strips such as boat trails or shorelines may not produce satisfactory results as FLURIDONE 4L may be diluted with untreated water. Due to a number of environmental factors, rate ranges are provided. Select the rates and application methods based on the specific goals of the aquatic plant management program at each different site.

Whole Lake or Reservoir Treatments (Limited or No Water Discharge)

Single Application to Whole Lakes or Reservoirs: Apply FLURIDONE 4L at an application rate of between 10 and 90 ppb. Consult the table below for the amount of FLURIDONE 4L required to achieve these concentrations in the treated water. Rates should be based on the goals of the aquatic plant management program.

If control of Eurasian watermilfoil and curlyleaf pondweed is desired or for greater plant selectivity, use an application rate lower in the range. For other plant species, contact an aquatic specialist to help determine when to choose lower application rate.

The higher rates within the rate range can be used when dense weed infestations are present or when treating hard-to-control weed species. Additional applications may be required to control more difficult-to-control species or when dilution of the treatment concentration has occurred such as from a heavy rainfall. If multiple applications are made, do not exceed 150 ppb (the sum of all applications) per annual growth cycle. Read the directions below on Split or Multiple Applications. For additional application rate calculations, refer to the section 'How To Calculate Application Rates' at the end of this label.

Rates For Single Application of FLURIDONE 4L

Average Water Depth at Treatment Site in Feet	Fluid Ounces (or Qts.) of FLURIDONE 4L per Treated Acre To Achieve Desired Herbicide Concentration:	
	10 ppb	90 ppb
1	1.0 fl. oz. (0.03 qts.) (0.03 lb ai)	7.7 fl. oz. (0.24 qts.) (0.24 lb ai)
2	1.6 (0.05) (0.05 lb ai)	15.7 (0.49) (0.49 lb ai)
3	2.6 (0.08) (0.08 lb ai)	23.4 (0.73) (0.73 lb ai)
4	3.2 (0.11) (0.11 lb ai)	31.4 (0.98) (0.98 lb ai)
5	4.5 (0.14) (0.14 lb ai)	39.0 (1.22) (1.22 lb ai)
6	5.1 (0.16) (0.16 lb ai)	46.7 (1.46) (1.46 lb ai)
7	6.1 (0.19) (0.19 lb ai)	54.4 (1.70) (1.70 lb ai)

8	7.0 (0.22) (0.22 lb ai)	62.4 (1.95) (1.95 lb ai)
9	7.6 (0.24) (0.24 lb ai)	70.1 (2.19) (2.19 lb ai)
10	8.6 (0.27) (0.27 lb ai)	78.1 (2.44) (2.44 lb ai)
11	9.6 (0.30) (0.30 lb ai)	86.0 (2.68) (2.68 lb ai)
12	10.2 (0.32) (0.32 lb ai)	93.8 (2.93) (2.93 lb ai)
13	11.2 (0.35) (0.35 lb ai)	101.4 (3.17) (3.17 lb ai)
14	12.1 (0.38) (0.38 lb ai)	109.4 (3.42) (3.42 lb ai)
15	13.1 (0.41) (0.41 lb ai)	117.1 (3.66) (3.66 lb ai)
16	13.8 (0.43) (0.43 lb ai)	124.8 (3.90) (3.90 lb ai)
17	14.7 (0.46) (0.46 lb ai)	132.2 (4.15) (4.15 lb ai)
18	15.7 (0.49) (0.49 lb ai)	140.5 (4.39) (4.39 lb ai)
19	16.3 (0.51) (0.51 lb ai)	148.2 (4.63) (4.63 lb ai)
20	17.3 (0.54) (0.54 lb ai)	156.2 (4.88) (4.88 lb ai)

Split or Multiple Applications to Whole Lakes or Reservoirs: If the goal of the aquatic plant management program is to use the lowest effective rate and to maintain a low herbicide concentration for sufficient time to ensure efficacy and enhanced selectivity, split or multiple application programs are appropriate.

However, water analyses using ELISA (or other analyses) must be carried out to ensure that the water is treated at an initial application rate of 4 to 50 ppb. Continue split applications to maintain a sufficient concentration of fluridone for a minimum of 45 days or longer. As with single applications, to control Eurasian watermilfoil and curlyleaf pondweed and to provide greater plant selectivity, use an application rate lower in the rate range. For other weed species, contact an aquatic specialist to help determine when to choose lower application rate.

A single application at no more than 20 ppb may be made to lakes or reservoirs containing functional potable

water intakes within 1/4 mile of these functioning potable water intakes. Do not apply more than 150 ppb (sum of all applications) per annual growth cycle.

Partial Lake or Reservoir Treatments

If the chance of dilution of FLURIDONE 4L with untreated water is expected in partial lake or reservoir treatments, using split or multiple applications may extend the herbicide contact time with the target weeds. Use higher application rates and more frequent applications if the likelihood of untreated water diluting the FLURIDONE 4L concentration in the treatment area is anticipated.

Refer to the table below for additional application instructions and for use rates. For additional application rate calculations, refer to the section How To Calculate Application Rates at the end of this label.

Partial Lake or Reservoir Treatment Site	Rates and Instructions
Treatment Areas Greater Than 1/4 Mile from a Functioning Potable Water Intake	Single applications: apply FLURIDONE 4L at 30 to 150 ppb. Split or multiple applications: Do not exceed 150 ppb (total of all applications) per annual growth cycle. If split applications are made, maintain a sufficient concentration in the target area for a period of 45 days or longer. Use the ELISA or other analyses to ensure that the desired concentration of fluridone is maintained over time.
Treatment Areas Within 1/4 Mile of a Functioning Potable Water Intake	One may apply a concentration of greater than 20 ppb if the application is made at least 1/4 mile or more from the functioning potable water intake. Application rates of less than 20 ppb may be made within 1/4 mile of the potable water intake but ELISA or other methods must be used to verify that the fluridone concentration do not exceed 150 ppb at the potable water intake.

Application to Sediments of Dry or De-Watered Aquatic Sites

For applications of FLURIDONE 4L to sediments of dry or de-watered aquatic sites, including exposed sediments of lakes and reservoirs, irrigation canals, non-irrigation canals and drainage canals, apply a maximum of 2 quarts of FLURIDONE 4L per surface acre per annual growth cycle. Apply FLURIDONE 4L evenly to the sediment surface, with a minimum spray solution of 30 to 100 gallons per surface acre. High levels of organic matter in treated sediments may reduce efficacy. FLURIDONE 4L may be applied with other aquatic herbicides labeled for this use.

DIRECTIONS FOR APPLICATION - DRAINAGE CANALS AND IRRIGATION CANALS

For additional application rate calculations, refer to the section How To Calculate Application Rates at the end of this label.

Application Site	Rates and Instructions
Static Canals	1 - 2 quarts per treated acre to achieve 30 to 150 ppb per treated surface area.
Moving Water Canals	Optimum performance will be achieved when water flow is restricted or reduced. For slowly moving bodies of water, apply using techniques that maintain the fluridone concentration at 15-40 ppb for at least 45 days.

	Use split or multiple broadcast applications (or metering methods) to ensure a uniform concentration of fluridone. Use the ELISA or other analyses to ensure that the desired concentration of fluridone is maintained over time.
Static or Moving Water Canals Containing a Functioning Potable Water Intake	One may apply a concentration of greater than 20 ppb FLURIDONE 4L if the application site is at least 1/4 mile or greater from the functioning potable water intake. Application rates of less than 20 ppb may be made within 1/4 mile of the potable water intake but ELISA or other methods must be used to verify that the fluridone concentration do not exceed 150 ppb at the potable water intake.

HOW TO CALCULATE APPLICATION RATES

Ponds, Lakes and Reservoirs: Use the calculation below to determine the amount in fluid ounces of FLURIDONE 4L to be applied per acre to provide the desired ppb concentration of fluridone in the treated water:

Fluid Ounces of FLURIDONE 4L required per treated acre =
(Average water depth of treatment site in feet) x (desired ppb concentration of fluridone) x 0.0027 x 32

As an example, the calculation to determine the number of fluid ounces of FLURIDONE 4L needed to treat one acre for a herbicide concentration of 45 ppb fluridone at a site where the average water depth is 3 feet is shown as follows:

3 x 45 x 0.0027 x 32 = 11.7 fl. oz. per treated acre

Note: Fluid ounces can be converted to quarts by dividing the number of fluid ounces by 32.
For example, 11.7 fl. oz. divided by 32 = 0.37 quarts.

Make sure that the calculated rate does not exceed the maximum allowable rate in pints (or quarts) per treated acre for the water depth listed in the application rate tables for the sites to be treated.

Moving Water Drainage and Irrigation Canals: Calculate the amount of FLURIDONE 4L in quarts required for the proposed application through a metering system to provide the desired ppb concentration of fluridone in the treated water as follows:

Determine the Cubic Feet per Second as follows:

CFS (cubic feet per second) = Average flow rate (feet per second) x average canal width (ft.) x average canal depth (ft.) x 0.9

Calculate the Water Movement in Acre-Feet per Day:

Water movement in acre-feet per day = CFS x 1.98

Amount of FLURIDONE 4L required:

Acre-feet per day x desired ppb x 0.0027 = Quarts of FLURIDONE 4L required per day

CONDITIONS OF SALE

LIMITED WARRANTY AND LIMITATIONS OF LIABILITY AND REMEDIES

The directions on this label are believed to be reliable and must be followed carefully. Insufficient control of pests and/or injury to the crop to which the product is applied may result from the occurrence of extraordinary or unusual weather conditions, the failure to follow the label directions, or good application practices, all of which are beyond the control of Albaugh, Inc., or seller. In addition, failure to follow label directions may cause injury to crops, animals, man or the environment. Albaugh, Inc. warrants that this product conforms to the chemical description on the label and is reasonably fit for the purpose referred to in the directions for use, subject to the factors noted above which are beyond the control of Albaugh, Inc.

Except as warranted by this label, Albaugh, Inc. makes no other warranties or representations of any kind, express or implied, concerning the product, including no implied warranty of merchantability or fitness for any particular purpose. To the extent allowed by applicable law, the exclusive remedy against Albaugh, Inc. for any cause of action relating to the handling or use of this product is a claim of damage, and in no event shall damages or any other recovery of any kind against Albaugh, Inc. exceed the price of the product which causes the alleged loss, damage, injury, or other claim. To the extent allowed by applicable law, Albaugh, Inc. shall not be liable and any and all claims against Albaugh, Inc. are waived, for special, indirect, incidental, or consequential damages or expense of any nature, including, but not limited to, loss of profits or income, whether or not based on the negligence of Albaugh, Inc. breach of warranty, strict liability in tort, or any other cause of action. Albaugh, Inc. and the seller offer this product, and the buyer and users accept it, subject to the foregoing conditions of sale and limitations of warranty, liability and remedies.

030725