GROUP **14** HERBICIDE

AGRICULTURAL RED EAGLE CHEMICALS

Flumioxazin 51% IVM

Non-Crop Herbicide
For Use To Maintain Bare Ground Non-Crop Areas

Active Ingredient:	**By Wt.**
Flumioxazin*	51%
Other Ingredients:	49%
Total:	**100%**

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

KEEP OUT OF REACH OF CHILDREN

CAUTION/PRECAUCION

Si usted no entiende la etiquette, 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	
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, preferably by mouth-to-mouth, if possible. • Call a poison control center or doctor for further treatment advice.
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. • Call a poison control center or doctor for treatment advice.
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 by the poison control center or doctor. • Do not give anything to an unconscious person.

HOTLINE NUMBER

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. For 24-Hour Medical Emergency Assistance (Human or Animal), call: **1-800-222-1222**. For Chemical Emergency Assistance (Spill, Leak, Fire, or Accident), call CHEMTREC: **1-800-424-9300**.

Manufactured For:
RedEagle International LLC
5143 S. Lakeland Dr., Suite 4 Lakeland, FL 33813

EPA Reg. No.: 85678-35 Net Contents: 5 Pounds

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS & DOMESTIC ANIMALS

CAUTION

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

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Some of the materials that are chemical-resistant to this product are listed below.

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 no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.

USER SAFETY RECOMMENDATIONS

Users should:

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

ENVIRONMENTAL HAZARDS

Flumioxazin 51% IVM is toxic to non-target plants and aquatic invertebrates. Do not apply to water, to areas where surface water is present or to intertidal areas below the mean high water mark. Drift or runoff may be hazardous to non-target plants and aquatic organisms in neighboring areas, if not used in accordance to the label directions. 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 or rinsate.

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

Under some conditions, **Flumioxazin 51% IVM** may have a potential to runoff to surface water or adjacent land.

Where possible, use methods which reduce soil erosion, such as no till, limited till and contour plowing; these methods also reduce pesticide runoff. Use vegetation filter strips along rivers, creeks, streams, wetlands, or on the downhill side of fields, where runoff could occur, to minimize water runoff.

PHYSICAL OR CHEMICAL HAZARDS

Do not mix or allow coming in contact with oxidizing agent. Hazardous chemical reaction may occur.

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.

NON-AGRICULTURAL USE REQUIREMENTS

The requirements in this box apply to uses of this product that are NOT within the scope of the Worker Protection Standards for agricultural pesticides (40 CFR Part 170). The WPS applies when this product is used to produce agricultural plants on farms, forest, nurseries, or greenhouses.

Keep all unprotected persons out of operating areas, or vicinity where there may be drift.

Do not enter or allow others to enter treated areas until sprays have dried.

RESISTANCE MANAGEMENT

Flumioxazin 51% IVM is a Group 14 herbicide. Any weed population may contain or develop plants naturally resistant to **Flumioxazin 51% IVM** and other Group 14 herbicides. Weed species with acquired resistance to Group 14 herbicides can eventually dominate the weed population if Group 14 herbicides are used repeatedly in the same field or in successive years as the primary method of control for targeted species. This may result in partial or total loss of control of those species by **Flumioxazin 51% IVM** or other Group 14 herbicides.

To delay herbicide resistance:

- Avoid using **Flumioxazin 51% IVM** or other target site of action Group 14 herbicides that might have a similar target site of action, on the same weed species.
- Use tank mixtures or premixes with herbicides from different target site of action Groups as long as the involved products are all registered for the same use, have different sites of action and are both effective at the tank mix or prepack rate on the weed(s) of concern.
- Base use on a comprehensive Integrated Pest Management (IPM) program.
- Monitor treated weed populations for loss of field efficacy.
- Contact your local extension specialist, certified crop advisors and/or manufacturer for herbicide resistance management and/or integrated weed management measures for specific crops and resistant weed biotypes.

TANK MIXES NOTICE

Tank mixing and/or use of this product with another product that is not specifically and expressly authorized by the label shall be at the exclusive risk of user, applicator, and/or application advisor to the extent allowed by applicable law.

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

PRODUCT INFORMATION

Flumioxazin 51% IVM is a selective herbicide to maintain bare ground non-crop areas when used in accordance with this label. **Flumioxazin 51% IVM** is effective as a pre-emergence and/or post-emergence herbicide for control of selected grass and broadleaf weeds.

Flumioxazin 51% IVM controls weeds by inhibiting protoporphyrinogen oxidase, an essential enzyme required by plants for chlorophyll biosynthesis. Seedling weeds are controlled pre-emergence when exposed to sunlight following contact with the soil applied herbicide.

USE RESTRICTIONS - FOR IVM

- Do not apply when weather conditions favor spray drift from treated areas.
- Do not incorporate into soil after application.
- Do not apply this product through any type of irrigation system.
- Do not apply more than 12 oz. of this product per acre per application.
- Do not apply more than 24 oz. of this product per acre per year.
- Do not apply to moist or wet desirable plant foliage.
- Do not apply within 300 feet of non-dormant pome or stone fruit crops.
- Do not apply when the crop or weeds are under stress due to drought, excessive water and extremes in temperatures or disease.

USE PRECAUTIONS - FOR IVM

- Treatment of powdery, dry soil or light sandy soil when there is little to no likelihood of rainfall soon after may result in off target movement and possible damage to actively growing susceptible crops when soil particles are moved by wind or water. Do not apply when these soil and environmental conditions are present.
- Spray equipment used to apply **Flumioxazin 51% IVM** should not be used to make applications with other products to any desirable plant foliage, as equipment with product residue remaining may result in crop injury to subsequently treated crops or plants.

PRE-EMERGENCE APPLICATION

Pre-emergence weed control with **Flumioxazin 51% IVM** is most effective when applied to clean, weed free soil surfaces prior to weed emergence. Moisture is necessary to activate **Flumioxazin 51% IVM** on soil for residual weed control. Dry weather following application of **Flumioxazin 51% IVM** may reduce effectiveness.

POST-EMERGENCE APPLICATION

Apply **Flumioxazin 51% IVM** only to actively growing weeds. Applying this product under conditions that do not promote active weed growth will reduce herbicide effectiveness. This product is most effective when applied under sunny conditions at temperatures above 65ºF.

Flumioxazin 51% IVM is rainfast 1 hour after application. Do not apply if rain is expected within 1 hour of application or efficacy may be reduced.

SOIL CHARACTERISTICS

Application of **Flumioxazin 51% IVM** to soils with high organic matter and/or high clay content may require higher dosages than with soils with low organic matter and/or low clay content. Application to cloddy seedbeds can result in reduced weed control.

CARRIER VOLUME AND SPRAY PRESSURE

Pre-Emergence Application

To ensure uniform coverage, use at least 10 gals. of spray solution per acre. Nozzle selection should meet manufacturer's gallonage and pressure specifications for pre-emergence herbicide application.

Post-Emergence Application

To ensure thorough coverage, use at least 15 gals. of spray solution per acre. Use at least 20 gals. per acre if dense vegetation or heavy residue is present on the soil surface. Nozzle selection should meet manufacturer's gallonage and pressure specifications for post-emergence herbicide application.

ADDITIVES

Post-Emergence Application

When applying **Flumioxazin 51% IVM** after weeds emerge, mix with an agronomically approved adjuvant. Mix **Flumioxazin 51% IVM** with a crop oil concentrate that contains at least 15% emulsifiers and 80% oil or a non-ionic surfactant containing at least 80% active ingredient when applying this product as part of a post-emergence weed control program. Mixing compatibility should be verified by a jar test before using. Do not mix **Flumioxazin 51% IVM** with a surfactant when applying over the top of dormant woody ornamentals or conifer trees.

Add a spray-grade nitrogen source (either ammonium sulfate at 2.0 - 2.5 lbs./A or a 28 - 32% nitrogen solution at 1 - 2 qts./A) to the spray mixture along with a crop oil concentrate or non-ionic surfactant to enhance weed control. The addition of a nitrogen source does not replace the need for crop oil concentrate or non-ionic surfactant.

JAR TEST TO DETERMINE COMPATIBILITY OF ADJUVANTS AND FLUMIOXAZIN 51% IVM

Perform a jar test before mixing commercial quantities of this product, when using this product for the first time, when using new adjuvants or when a new water source is being used.

1. Add 1 pt. of water to a quart jar. The water must be from the same source and have the same temperature as the water used in the spray tank mixing operation.
2. Add 3 grams (approximately 1 level tsp.) of **Flumioxazin 51% IVM** for the 8 oz./A rate or 4 grams (approximately 1 ½ tsp.) for 12 oz./A rate to the jar. Gently mix until product disperses.
3. Add 60 mL (4 Tbsp. or 2 fl. oz.) of additive to the quart jar and gently mix.
4. If nitrogen is being used, add 16 mL (1 Tbsp.) of the 28 - 32% nitrogen source to the quart jar. If ammonium sulfate is being used, add 19 grams of AMS to the quart jar in place of the 28 - 32% nitrogen.
5. Place cap on jar, invert 10 times, let stand for 15 minutes, evaluate.
6. An ideal tank mix combination will be uniform and free of suspended particles. If any of the following conditions are observed, do not use the adjuvant:
   a) Layer of oil or globules on the solution surface.
   b) Flocculation: Fine particles in suspension or as a layer on the bottom of the jar.
   c) Clabbering: Thickening texture (coagulated) like gelatin.

APPLICATION EQUIPMENT

IMPORTANT: Thoroughly clean spray equipment, including all tanks, hoses, booms, screens, and nozzles, after application of **Flumioxazin 51% IVM**. Equipment with this product's residue remaining in the system may result in crop injury to subsequently treated crops.

SPRAYER PREPARATION

Before applying **Flumioxazin 51% IVM**, clean the spray tank, as well as all hoses and booms, to ensure no residue from the previous spraying operation remains in the sprayer. Some pesticides, including but not limited to, the sulfonylurea and phenoxy herbicides, are active at very small amounts and can cause crop injury when applied to susceptible crops. Clean spray equipment according to the manufacturer's directions for the last product used before the equipment is used to apply this product. If 2 or more products were tank mixed prior to this product application, follow the most restrictive cleanup procedure on the label of all products.

MIXING INSTRUCTIONS

1. Fill clean spray tank ½ - ⅔ of desired level with clean water.
2. To ensure a uniform spray mixture, pre-slurry the required amount of **Flumioxazin 51% IVM** with water prior to addition to the spray tank. Use a minimum of 1 gal. of water per 10 oz. of **Flumioxazin 51% IVM**.
3. While agitating, slowly add the pre-slurried mixture to the spray tank. Agitation should create a rippling or rolling action on the water surface.
4. If tank mixing **Flumioxazin 51% IVM** with other labeled herbicides, add water soluble bags first, followed by dry formulations, flowables, emulsifiable concentrates and then solutions. Prepare no more spray mixture than is required for the immediate spray operation.
5. Add any required adjuvants.
6. Fill spray tank to desired level with water. Continue agitation until spray solution has been applied.
7. Mix only the amount of spray solution that can be applied the day of mixing. Apply **Flumioxazin 51% IVM** within 12 hours of mixing.

SPRAYER CLEANUP

Except for dedicated bare ground herbicide application equipment, spray equipment must be cleaned each day following **Flumioxazin 51% IVM** application. After **Flumioxazin 51% IVM** is applied, use the following steps to clean the spray equipment:

1. Completely drain the spray tank and rinse the sprayer thoroughly, including the inside and outside of the tank and all in-line screens.
2. Fill the tank with clean water and flush all hoses, booms, screens, and nozzles.
3. Top off tank with clean water and household ammonia. Use 1 gal. of 3% household ammonia for every 100 gals. of water.
4. Circulate through sprayer for 5 minutes.
5. Flush all hoses, booms, screens, and nozzles for a minimum of 15 minutes.
6. Loosen any diaphragms before flushing the spray system, allowing cleaning solution to spray through the open diaphragm.
7. Drain tank completely.
8. Add enough clean water to the spray tank to flush hoses, booms, screens, and nozzles for 2 minutes.
9. Remove all nozzles and screens and rinse them with clean water.

APPLICATION EQUIPMENT

Application equipment must be clean and in good repair. Ensure nozzles are uniformly spaced on boom and frequently checked for accuracy.

BROADCAST APPLICATION

Apply **Flumioxazin 51% IVM** and this product's tank mixes with ground equipment using standard commercial sprayers equipped with nozzles designed to deliver the desired spray pressure and spray volume.

BAND APPLICATION

When banding, use proportionately less water and **Flumioxazin 51% IVM** per acre.

HANDGUN APPLICATION

Applications may also be made using a handgun sprayer. Use a spray volume of at least 40 gals. per acre to insure uniform coverage.

AERIAL APPLICATION

Aerial applications are limited to maintaining weed free railroad beds, railroad yards and surrounding areas and military installations.

To obtain satisfactory weed control with aerial application of **Flumioxazin 51% IVM**, coverage must be uniform. Do not spray when drift is possible or when wind velocity is more than 10 mph. Do not spray **Flumioxazin 51% IVM** within 200 feet of dwellings, adjacent sensitive crops, or environmentally sensitive areas. To obtain satisfactory application and drift, the following directions must be observed:

Volume Pressure

Apply **Flumioxazin 51% IVM** in 5 -10 gals. of water per acre, with a maximum spray pressure of 40 PSI. Application at less than 5 gals. per acre may not provide adequate weed control. Higher gallonage applications generally provide more consistent weed control.

Nozzle Selection and Orientation

Use nozzles that produce flat or hollow cone spray patterns. Use non-drip type nozzles such as diaphragm type nozzles to avoid unwanted discharge of spray solution. The nozzle must be directed toward the rear of the aircraft, at an angle between 0º and 15º downward. Do not place nozzles on the outer 25% of the wings or rotors.

Adjuvants

Refer to the additive section or the tank mix partners label for adjuvant recommendation.

SPRAY DRIFT REDUCTION

Avoiding spray drift at the application site is the responsibility of the applicator. The interaction of many equipment- and weather-related factors determine the potential for spray drift. The applicator is responsible for considering all these factors when making decisions.

Do not apply under circumstances where possible drift to unprotected persons or to food, forage or other plantings that might be damaged or crops thereof rendered unfit for sale, use or consumption can occur.

- Use the largest droplet size consistent with acceptable efficacy. Formation of very small droplets may be minimized by appropriate nozzle selection, by orienting nozzles away from the air stream as much as possible, and by avoiding excessive spray boom pressure. For ground boom and aerial applications, use medium or coarser spray nozzles according to ASAE 572 definition for standard nozzles or a volume mean diameter (VMD) of 300 microns or greater for spinning atomizer nozzles.

- Make aerial or ground or watercraft-based surface applications when the wind velocity favors on-target product deposition. Apply only when the wind speed is less than or equal to 10 mph. For all non-aerial applications, wind speed must be measured adjacent to the application site on the upwind side, immediately prior to application.
- Do not make aerial or ground applications into areas of temperature inversions. Inversions are characterized by stable air and increasing temperatures with increasing distance above the ground. Mist or fog may indicate the presence of an inversion in humid areas. Where permissible by local regulations, the applicator may detect the presence of an inversion by producing smoke and observing a smoke layer near the ground surface.
- Low humidity and high temperatures increase the evaporation rate of spray droplets and therefore the likelihood of increased spray drift. Avoid spraying during conditions of low humidity and/or high temperatures.
- All aerial and ground application equipment must be properly maintained and calibrated using appropriate carriers.
- For ground boom applications, apply with nozzle height no more than 4 ft. above the ground or crop canopy.

WEEDS CONTROLLED

When **Flumioxazin 51% IVM** is applied pre-emergence or post-emergence at specified rates and weed stages, the following grasses and broadleaf weeds are controlled:

Table 1. Weeds Controlled by Flumioxazin 51% IVM

COMMON NAME	SCIENTIFIC NAME
Alyssum, Hoary	*Berteroa incana*
Amaranth	
Palmer	*Amaranthus palmeri*
Spiny	*Amaranthus spinosus*
American Burnweed	*Erechtites hieracifolia*
Barnyardgrass*	*Echinochloa crus-galli*
Beggarweed, Florida	*Desmodium tortuosum*
Bittercress, Hairy	*Cardamine hirsuta*
Bluegrass, Annual*	*Poa annua*
Burclover, California	*Medicago polymorpha*
Carpetweed	*Mollugo verticillata*
Chamberbitter	*Phyllanthus urinaria*
Chickweed	
Common	*Stellaria media*
Mouseear	*Cerastium vulgatum*
Crabgrass	
Large*	*Digitaria sanguinalis*
Smooth*	*Digitaria ischaemum*
Southern*	*Digitaria ciliaris*
Croton, Tropic	*Croton glandulosus var. septentrionalis*
Dandelion*	*Taraxacum officinale*
Dogfennel	*Eupatorium capillifolium*
Doveweed	*Murdannia nudiflora*

*pre-emergence control only.

(continued)

Table 1. Weeds Controlled by Flumioxazin 51% IVM *(continued)*

COMMON NAME	SCIENTIFIC NAME
Eclipta	*Eclipta prostrata*
Filaree, Redstem*	*Erodium cicutarium*
Foxtail	
Bristly*	*Setaria verticillata*
Giant*	*Setaria faberi*
Green*	*Setaria viridis*
Yellow*	*Setaria glauca*
Galinsoga, Hairy	*Galinsoga ciliata*
Geranium, Carolina	*Geranium carolinianum*
Goosegrass*	*Eleusine indica*
Groundsel, Common	*Senecio vulgaris*
Henbit	*Lamium amplexicaule*
Horseweed*	*Conyza Canadensis*
Indigo, Hairy	*Indigofera hirsute*
Ivy, Ground*	*Glechoma hederacea*
Jimsonweed	*Datura stramonium*
Kochia	*Kochia scoparia*
Kyllinga, Green*	*Kyllinga brevifolia*
Lady's Thumb	*Polygonum persicaria*
Lambsquarters, Common	*Chenopodium album*
Liverwort	*Marchantia polymorpha*
Mallow	
Common	*Malva neglecta*
Little	*Malva parviflora*
Venice	*Hibiscus trionum*
Mayweed*	*Anthemis cotula*
Morningglory	
Entireleaf	*Ipomoea hederacea var. integriuscula*
Ivyleaf	*Ipomoea hederacea*
Red/Scarlet	*Ipomoea coccinea*
Smallflower	*Jacquemontia tamnifolia*
Tall	*Ipomoea purpurea*
Moss	*Bryum* spp.
Mustard	
Tumble	*Sisymbrium altissimum*
Wild	*Brassica kaber*

*pre-emergence control only.

(continued)

Table 1. Weeds Controlled by Flumioxazin 51% IVM *(continued)*

COMMON NAME	SCIENTIFIC NAME
Nightshade	
Black	*Solanum nigrum*
Eastern Black	*Solanum ptychanthum*
Hairy	*Solanum sarrachoides*
Panicum	
Fall*	*Panicum dichotomiflorum*
Texas*	*Panicum texanum*
Parsley Piert	*Alchemilla arvensis*
Pearlwort, Birdseye*	*Sagina procumbens*
Pennycress, Field	*Thlaspi arvense*
Phyllanthus, Longstalked	*Phyllanthus tenellus*
Pigweed	
Prostrate	*Amaranthus blitoides*
Redroot	*Amaranthus retroflexus*
Smooth	*Amaranthus hybridus*
Tumble	*Amaranthus albus*
Pineapple-weed*	*Matricaria matricarioides*
Plantain	
Broadleaf*	*Plantago major*
Buckhorn*	*Plantago lanceolate*
Poinsettia, Wild	*Euphorbia heterophylla*
Puncturevine	*Tribulus terrestris*
Purslane, Common	*Portulaca oleracea*
Pusley, Florida	*Richardia scabra*
Ragweed	
Common	*Ambrosia artemisiifolia*
Giant	*Ambrosia trifida*
Redmaids	*Calandrinia ciliata*
Redweed	*Melochia corchorifolia*
Rocket, Yellow	*Barbarea vulgaris*
Senna, Coffee	*Cassia occidentalis*
Sesbania, Hemp	*Sesbania exaltata*
Shepherd's Purse	*Capsella bursa-pastoris*
Sida, Prickly (Teaweed)	*Sida spinosa*
Signalgrass*	*Brachiaria platyphylla*
Smartweed, Pennsylvania	*Polygonum pensylvanicum*
Sowthistle, Annual	*Sonchus oleraceus*

*pre-emergence control only.

(continued)

Table 1. Weeds Controlled by Flumioxazin 51% IVM *(continued)*

COMMON NAME	SCIENTIFIC NAME
Spurge	
Prostrate	*Euphorbia humistrata Engelm*
Spotted	*Euphorbia maculata*
Starbur, Bristly*	*Acanthospermum hispidum*
Thistle	
Canada*	*Cirsium arvense*
Russian	*Salsola iberica*
Velvetleaf	*Abutilon theophrasti*
Waterhemp	
Common	*Amaranthus rudis*
Tall	*Amaranthus tuberculatus*
Woodsorrel, Yellow*	*Oxalis stricta*

*pre-emergence control only.

DIRECTIONS FOR USE
TO MAINTAIN BARE GROUND NON-CROP AREAS

Flumioxazin 51% IVM can be used for non-selective vegetation management to maintain bare ground non-crop areas that must be kept free of weed. Apply **Flumioxazin 51% IVM** only to:

- Bare ground areas under guard rails, above-ground pipelines, railroad beds, railroad yards and surrounding areas
- Bare ground areas in parking lots and storage areas, industrial plant sites, substations, pumping stations, and tank farms
- Bare ground areas of airports, brick yards, industrial plant sites, lumber yards, military installations, and storage areas
- Bare ground areas around farm buildings and along ungrazed fence rows, wind breaks and shelter belts
- Improved roadside areas, road surfaces, and gravel shoulders

Follow all applicable directions as outlined above under Product Information. See Table 1 for a list of broadleaf weeds and grasses controlled by **Flumioxazin 51% IVM**.

Flumioxazin 51% IVM provides residual and post-emergence control of susceptible broadleaf and grass weed species as well as additional mode of action to assist in the control of ALS (acetolactate synthase) resistant weeds. The timing of residual of control depends on the application rate, as well as on rainfall and temperature conditions. The length of control will be reduced as temperature and precipitation increase.

PRE-EMERGENCE APPLICATION

Make a pre-emergence application of 8 to 12 oz. (0.25 - 0.38 lb. a.i./A) of **Flumioxazin 51% IVM** per broadcast acre. Make pre-emergence (up to weed emergence) applications of **Flumioxazin 51% IVM** to surfaces that are free of weeds. Pre-emergence applications of **Flumioxazin 51% IVM** must be completed before weeds emerge. For residual weed control and optimal performance on soil, moisture is necessary to activate **Flumioxazin 51% IVM**. Dry weather or lack of moisture following application of **Flumioxazin 51% IVM** may reduce effectiveness. When adequate moisture is received after dry conditions, this product will control susceptible weeds that are germinating.

POST-EMERGENCE APPLICATION

Make a post-emergence application of 8 to 12 oz. (0.25 - 0.38 lb. a.i./A) of **Flumioxazin 51% IVM** per broadcast acre plus a surfactant (0.25% v/v non-ionic surfactant or 1 qt./A crop oil concentrate). Adding a surfactant enhances the activity of **Flumioxazin 51% IVM** on emerged weeds. Thorough spray coverage is necessary to maximize the post-emergence activity of this product. Weeds that have emerged are controlled with a post-emergence application of **Flumioxazin 51% IVM**. However, translocation of this product within a weed is limited, and control is improved by ensuring thorough spray coverage and by the addition of a surfactant. The most effective post-emergence weed control with **Flumioxazin 51% IVM** results when application is made in combination with a surfactant and to weeds that are less than 2 inches in height.

TANK MIX APPLICATIONS

Tank mixtures with other pre- and post-emergence herbicides registered for use in non-crop areas provide a broader spectrum of weed control in addition to weeds controlled by **Flumioxazin 51% IVM** used alone. **Flumioxazin 51% IVM** must be tank mixed with other herbicides registered for use in bare ground vegetation management, (non-crop uses) including, but not limited to those products listed below.

Tank Mixture Combinations for Non-Selective Vegetation Management Weed Control

2,4-D	Glyphosate	Oryzalin	Sulfometuron methyl
Bromacil	Hexazinone	Pendimethalin	Tebuthiuron
Chlorsulfuron	Imazapic	Picloram	Triclopyr
Clopyralid	Imazapyr	Pramitol	
Dicamba	Metsulfuron methyl	Prodiamine	
Diuron	Norfurazon	Simazine	

IMPORTANT: Completely read and follow the label of any herbicides mixed with **Flumioxazin 51% IVM**. When tank mixing this product with other herbicides, always follow the most restrictive limitations and precautions on the label of any tank mix partner.

RESTRICTIONS

- Do not make more than 2 applications at 12 oz./A or 3 applications at 8 oz./A per year.
- Do not make an additional application of **Flumioxazin 51% IVM** within 30 days.

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 formulation or dilute spray solution into food or drink containers. Do not contaminate food or foodstuffs. Do not store or transport near feed or food. Not for use or storage in or around the home.

For help with any spill, leak, fire or exposure involving this material, call day or night 1-877-250-9291.

PESTICIDE DISPOSAL

Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

CONTAINER HANDLING

Non-refillable container. Do not reuse or refill this container. Offer for recycling, if available. Clean container 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 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.

WARRANTY AND DISCLAIMER STATEMENT

NOTICE: Read the entire Directions for Use, Conditions, Disclaimer of Warranties and Limitations of Liability before using this product. If terms are not acceptable, return the unopened product container at once. By using this product, user or buyer accepts the following Conditions, Disclaimer of Warranties and Limitations of Liability.

CONDITIONS: The directions for use of this product are believed to be adequate and must be followed carefully. However, it is impossible to eliminate all risks associated with the use of this product. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or the manner of use or application, all of which are beyond the control of RedEagle International LLC. To the extent allowable under State law, all such risks shall be assumed by the user or buyer.

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