

U.S. ENVIRONMENTAL PROTECTION AGENCY

Office of Pesticide Programs Registration Division (7505T) 1200 Pennsylvania Ave., N.W.

Washington, D.C. 20460

NOTICE OF PESTICIDE:

X Registration Reregistration

(under FIFRA, as amended)

EPA Reg. Number:

Date of Issuance:

60063-98

10/17/24

Term of Issuance:

Unconditional

Name of Pesticide Product:

Sipcam Flumioxazin 4 SC

Name and Address of Registrant (include ZIP Code):

Sipcam Agro USA, Inc. 2525 Meridian Parkway Durham, NC 27713

Note: Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby registered under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA).

Registration is in no way to be construed as an endorsement or recommendation of this product by the Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

This product is unconditionally registered in accordance with FIFRA section 3(c)(5) provided that you:

1. Submit and/or cite all data required for registration/reregistration/registration review of your product when the Agency requires all registrants of similar products to submit such data.

Continues page 2

Signature of Approving Official:

Shaja B. Joyner, Product Manager 20

Fungicide-Herbicide Branch Registration Division 7505T Date:

10/17/24

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- 2. Make the following label changes before you release the product for shipment:
 - Revise the EPA Registration Number to read, "EPA Reg. No. 60063-98."
- 3. Submit one copy of the final printed label for the record before you release the product for shipment.

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

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6. Your release for shipment of the product constitutes acceptance of these conditions. A stamped copy of the label is enclosed for your records.

The record for this product currently contains the following CSF(s):

Basic CSF dated 03/15/2024

If you have any questions, please contact Ernest Kraka at 202-566-2822 or at kraka.ernest@epa.gov.

Enclosure

FLUMIOXAZIN GROUP 14 HERBICIDE

Sipcam Flumioxazin 4 SC

[For control and/or suppression of certain weeds on listed crops]

For control and/or suppression of certain weeds in [alfalfa;] [artichoke;] [asparagus;] [brassica (head and stem);] [bushberries;] [cactus (prickly pear);] [caneberries;] [celery;] [citrus fruit]; [cotton;] [cucurbit vegetables;] [dry beans;] [field corn;] [field peas;] [flax;] [fruiting vegetables;] [garlic;] [grape;] [hops;] [lentils;] [mint;] [onion (dry bulbs);] [olive;] [peanut;] [pome fruit;] [pomegranate;] [potato;] [soybean;] [stone fruit;] [strawberry;] [sugarcane;] [sunflower and safflower;] [sweet potato;] [tree nuts;] [wheat;] [non-bearing fruit trees;] [fallowbed use on transplanted melon, pepper, and tomato beds:] [fallow land] and [to maintain bare ground on non-crop areas of farms; orchards and vineyards.]]

ACTIVE INGREDIENT:	By Wt.
Flumioxazin*	41.68%
Other Ingredients	58.32%
Total	100.0%

*2-[7-fluoro-3,4-dihydro-3-oxo-4-(2-propynyl)-2H-1,4-benzoxazin-6-yl]-4,5,6,7-tetrahydro-1H- isoindole-1,3(2H)-dione CAS No. 103361-09-7

Sipcam Flumioxazin 4 SC contains 4.0 pounds flumioxazin per gallon.

KEEP OUT OF REACH OF CHILDREN CAUTION

Si usted no entiende la etiquette, busque a alguien para que se la explique a usted 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.			
		on sip a glass of water if able to swallow.		
	DO NOT in	nduce vomiting unless told to do so by a poison control center or doctor.		
	 DO NOT g 	ive anything by mouth to an unconscious person.		
IF ON SKIN OR	 Take off co 	ontaminated clothing.		
CLOTHING:	 Rinse skin 	immediately with plenty of water for 15 to 20 minutes.		
	Call a poison control center or doctor for treatment advice.			
Have the product of	Have the product container or label with you when calling a poison control center or doctor, or going for			
treatment.				
Emergency Phone Numbers Poison Control: 1-800-222-1222 (human health)				
CHEMTREC: 1-800-424-9300 (transportation and spills)				
NPIC: 1-800-858-7378 (general concerns/pesticide incidents)				

EPA Reg. No.: 60063-XX

Net Contents: [gallons] [gals.] [(L)]

[label date/lot code] [Item [No.] xxx]

[Alternate Brand Names: Sipcam Flumioxazin 4 SC, Cervino 4 SC]

EPA Est. No.:

[Lot number begins with xx]

Manufactured for:

Sipcam Agro USA, Inc. 2525 Meridian Parkway Durham, NC 27713

ACCEPTED

10/17/2024

Under the Federal Insecticide, Fungicide and Rodenticide Act as amended, for the pesticide registered under EPA Reg. No. 60063-98

Read the [entire] label carefully before opening the container. See additional Precautionary Statements and Directions for Use inside [the] booklet. Peel back label here.

PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS CAUTION

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

Personal Protective Equipment (PPE)

Applicators and other handlers must wear: long-sleeved shirt and long pants, chemical-resistant gloves made of barrier laminate, butyl rubber \geq 14 mils, nitrile rubber \geq 14 mils, neoprene rubber \geq 14 mils, polyvinyl chloride (PVC) \geq 14 mils, or Viton \geq 14 mils, shoes and socks.

For aerial application to sugarcane, mixer/loaders must also wear: coveralls, chemical resistant apron and chemical resistant boots.

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:

- Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. If pesticide gets on skin, wash immediately with soap and water.
- 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

Sipcam Flumioxazin 4 SC is toxic to non-target plants and aquatic invertebrates. **DO NOT** apply directly 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. **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 runoff precautions on this label in order to minimize off-site exposures.

Under some conditions this product may have a potential to runoff to surface water or adjacent land. Where possible, use methods which reduce soil erosion, including no till, limited till and contour plowing; these methods also reduce pesticide runoff. Use of vegetation filter strips along rivers, creeks, streams, wetlands or on the downhill side of fields where runoff could occur will minimize water runoff.

NON-TARGET ORGANISM ADVISORY: 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.

[NOTE TO EPA REVIEWER: IF THIS PRODUCT IS SHIPPED IN CONTAINERS GREATER THAN 50 LBS., THE FOLLOWING ENVIRONMENTAL HAZARD STATEMENT WILL BE ADDED TO THE LABEL:]

[DO NOT discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans, or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit

and the permitting authority has been notified in writing prior to discharge. **DO NOT** discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For quidance contact your State Water Board or Regional Office of the EPA.]

PHYSICAL OR CHEMICAL HAZARDS

DO NOT mix or allow coming in contact with oxidizing agent. Hazardous chemical reaction may occur.

MANDATORY SPRAY DRIFT MANAGEMENT

Aerial Applications:

- **DO NOT** release spray at a height greater than 10 ft. above the ground or vegetative canopy, unless a greater application height is necessary for pilot safety.
- Applicators must select nozzle and pressure that deliver Medium or coarser droplets in accordance with American Society of Agricultural & Biological Engineers Standard 641 (ASABE S641),
- If the windspeed is 10 miles per hour or less, applicators must use ½ swath displacement upwind at the downwind edge of the field. When the windspeed is between 11-15 miles per hour, applicators must use ¾ swath displacement upwind at the downwind edge of the field.
- **DO NOT** apply when wind speeds exceed 15 mph at the application site. If the windspeed is greater than 10 mph, the boom length must be 65% or less of the wingspan for fixed wing aircraft and 75% or less of the rotor diameter for helicopters. Otherwise, the boom length must be 75% or less of the wingspan for fixed-wing aircraft and 90% or less of the rotor diameter for helicopters.
- DO NOT apply during temperature inversions.

Ground Boom Applications:

- User must only apply with the release height specified by the manufacturer, but no more than 3 feet above the ground or crop canopy.
- Applicators must select nozzle and pressure that deliver Medium or coarser droplets in accordance with American Society of Agricultural & Biological Engineers Standard 572 (ASABE S572).
- DO NOT apply when wind speeds exceed 15 miles per hour at the application site.
- DO NOT apply during temperature inversions.

Boomless Ground Applications:

- Applicators must select nozzle and pressure that deliver Medium or coarser droplets in accordance with American Society of Agricultural & Biological Engineers Standard 572 (ASABE S572).
- DO NOT apply when wind speeds exceed 15 miles per hour at the application site.
- DO NOT apply during temperature inversions.

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 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 specified 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.

Controlling Droplet Size - Aircraft

 Adjust Nozzles – Follow nozzle manufacturers' specifications for setting up nozzles. Generally, to reduce fine droplets, nozzles must be oriented parallel with the airflow in flight.

BOOM HEIGHT - Ground Boom

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

RELEASE HEIGHT – Aircraft

Higher release heights increase the potential for spray drift.

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 potential is high during a temperature inversion. 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 used 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.

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.

AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. This standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE), restricted-entry interval, and notification to workers. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

DO NOT enter or allow worker entry into treated areas during the restricted entry interval (REI) of 12 hours.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, including plants, soil or water is: coveralls, chemical resistant gloves made of barrier barrier laminate, butyl rubber \geq 14 mils, nitrile rubber \geq 14 mils, neoprene rubber \geq 14 mils, polyvinyl chloride (PVC) \geq 14 mils, or Viton \geq 14 mils, shoes plus socks.

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, forests, 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.

TANK MIXES

NOTICE: Tank mixing or use of this product with any other product which is not specifically and expressly authorized by the label must be the exclusive risk of user, applicator and/or application advisor, to the extent allowed by applicable law.

Always read and follow the restrictions and limitations for all products whether used alone or in a tank mix. The most restrictive labeling of any product used applies in tank mixtures, including all crop rotational and other crop restrictions.

It is the pesticide user's responsibility to ensure that all products are registered for the intended use. Read and follow the applicable restrictions and limitations and directions for use on all product labels involved in tank mixing. Users must follow the most restrictive directions for use and precautionary statements of each product in the tank mixture.

RESISTANCE MANAGEMENT

For resistance management, Sipcam Flumioxazin 4 SC is a Group 14 herbicide. Any weed population may contain or develop plants naturally resistant to this product and other Group 14 herbicides. The resistant biotypes may dominate the weed population if these herbicides are used repeatedly in the same field. Appropriate resistance-management strategies should be followed.

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

- Rotate the use of this product or other Group 14 herbicides within a growing season sequence or among
 growing seasons with different herbicide groups that control the same weeds in a field.
- Use tank mixtures with herbicides from a different group if such use is permitted; where information on resistance in target weed species is available, use the less resistance-prone partner at a rate that will control the target weed(s) equally as well as the more resistance- prone partner. Consult your local extension service or certified crop advisor if you are unsure as to which active ingredient is currently less prone to resistance.
- Adopt an integrated weed-management program for herbicide use that includes scouting and uses historical
 information related to herbicide use and crop rotation, and that considers tillage (or other mechanical control
 methods), cultural (e.g., higher crop seeding rates; precision fertilizer application method and timing to favor
 the crop and not the weeds), biological (weed-competitive crops or varieties) 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 weed 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; (3) surviving plants mixed with controlled individuals of the same 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 including hoeing or tillage. Prevent movement of resistant weed seeds to other fields by cleaning harvesting and tillage equipment when moving between fields and planting clean seed.
- 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 or certified crop advisors for additional pesticide resistancemanagement and/or integrated weed-management recommendations for specific crops and weed biotypes or to find out if suspected resistant weeds have been found in their region.
- For further information or to report suspected resistance, contact Sipcam Agro USA at 919-226-1195.

PRODUCT INFORMATION

Sipcam Flumioxazin 4 SC

- · provides residual control of susceptible weeds
- provides additional burndown activity when used as part of a burndown program
- can be applied as part of a fall burndown program for control of susceptible winter annuals
- can be applied with a hooded or shielded sprayer, as well as part of a layby application, in selected crops for postemergence weed control as well as residual control of susceptible weeds
- can be used on farms, orchards, and vineyards for non-selective vegetation control to maintain bare ground non-crop areas that must be kept weed free
- when applied according to label directions for use, will control the weeds claimed in crop
 specific directions for use. This label makes no claims concerning control of other weed species.
 It is the pesticide user's responsibility to ensure that all products are registered for the intended
 use. Read and follow the applicable restrictions and limitations and directions for use on all
 product labels involved in tank mixing. Users must follow the most restrictive directions for use
 and precautionary statements of each product in the tank mixture.

	Rate Summary					
FL. OZ. of Sipcam Flumioxazin 4 SC	Flumioxazin (lb. Al)	FL. OZ. of Sipcam Flumioxazin 4 SC	Flumioxazin (lb. Al)			
1	0.031	6	0.188			
1.5	0.047	8	0.250			
2	0.063	12	0.375			
3	0.094	24	0.750			
4	0.125					

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 of these factors when making decisions. Where states have more stringent regulations, they must be observed.

RESTRICTIONS AND LIMITATIONS

- DO NOT apply this product when weather conditions favor spray drift from treated areas.
- **DO NOT** apply during low-level inversion conditions, including fog.
- DO NOT apply to frozen or snow-covered soil.
- DO NOT apply to farm alleys or roads where traffic may result in treated dust settling onto crops or other desirable vegetation.
- **DO NOT** apply within 300 yards of non-dormant pears.

 DO NOT apply to powdery soils or soils that are susceptible to wind displacement unless irrigation can be applied immediately after application.

PRECAUTIONS

- When applying by air, observe drift management restrictions and precautions listed under "AERIAL APPLICATION".
- Mechanical incorporation into the soil will reduce residual weed control.
- Apply post directed and layby applications of this product only to healthy growing crops.

Before using spray equipment to apply other products to crop foliage follow cleanout procedures identified in this label. See "SPRAYER CLEANUP" for more information.

ENVIRONMENTAL CONDITIONS AND BIOLOGICAL PERFORMANCE

Preemergence Application (Conventional Tillage)

Important: Crop injury may occur from applications made to poorly drained soils and/or applications made under cool, wet conditions. Risk of crop injury can be minimized by using on well drained soils, planting at least 1.5 inches deep, using high quality seed and completely covering seeds with soil prior to preemergence applications. Treated soil that is splashed onto newly emerged crops may result in temporary crop injury.

Moisture is necessary to activate this product in soil for residual weed control. Dry weather following applications of this product may reduce effectiveness. However, when adequate moisture is received after dry conditions, this product will control susceptible germinating weeds. This product may not control weeds that germinate after application but before an activating rainfall/irrigation or weeds that germinate through cracks resulting from dry soil.

When adequate moisture is not received after an application of this product, weed control may be improved by irrigation with at least 1/4 inch of water. If emerged weeds are controlled by cultivation, residual weed control will be reduced.

Burndown Application

For best results, apply this product as part of a burndown program to actively growing weeds. Applying this product under conditions that do not promote active weed growth will reduce herbicide effectiveness. **DO NOT** apply this product when weeds are under stress due to drought, excessive water, extremes in temperature, disease, or low humidity. Weeds under stress tend to become less susceptible to herbicidal action. This product is most effective when applied under warm, sunny conditions.

Reduced residual weed control may occur when burndown applications are made to fields where heavy crop and/or weed residue exist.

Postemergence Application

Only apply this product to healthy crops labeled for postemergence use. **DO NOT** apply this product to crops that have been weakened by disease, drought, flooding, excessive fertilization, soil salts, previously applied pesticides, nematodes, insects, or winter injury.

Rainfastness

This product is rainfast one hour after application. **DO NOT** make applications if rain is expected within one hour of application or postemergence efficacy may be reduced.

Soil Characteristics

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

HERBICIDE RATE

Residual Weed Control (Including Preemergence Applications or Applications as Part of a Fall or Spring Burndown and Fallow Seedbed Program)

Based upon soil characteristics (organic matter content and texture), the most difficult to control weed species being targeted, and the crop being grown, select the proper dosage of this product from the rate range tables contained in this label.

CARRIER VOLUME AND SPRAY PRESSURE

(Ground Equipment only. See Information for Aerial Equipment under "MANDATORY SPRAY DRIFT MANAGEMENT, AERIAL APPLICATION".)

Preemergence Application (Conventional Tillage)

To ensure uniform coverage, use 10 to 30 gals. of spray solution per acre for conventional tillage applications. Nozzle selection must meet manufacturer's gallonage and pressure guidelines for preemergence herbicide application.

Burndown Application (Prior to Crop Emergence)

To ensure thorough coverage in burndown applications, use 15 to 60 gals. spray solution per acre. Use 20 to 60 gals. per acre if dense vegetation or heavy crop residue is present. Nozzle selection must meet manufacturer's gallonage and pressure guidelines for postemergence herbicide application. **DO NOT** use flood jet nozzles.

Postemergence Application (Emerged Crop)

Check use directions for specific crops in which this product can be applied postemergence. To ensure thorough coverage in burndown applications, use a minimum of 15 gallons spray solution per acre. Use a minimum of 20 gallons per acre if dense vegetation or heavy crop residue is present. Nozzle selection must meet manufacturer's gallonage and pressure guidelines for postemergence herbicide application.

ADDITIVES

Burndown Application (Prior to Crop Emergence)

Postemergence control of weeds from Sipcam Flumioxazin 4 SC tank mixes will require the addition of an agronomically approved adjuvant to the spray mixture. When an adjuvant is to be used with this product, use a Chemical Producers and Distributors Association certified adjuvant. Either a crop oil concentrate or methylated seed oil (which contains at least 15% emulsifiers and 80% oil or a non-ionic surfactant at 0.25% v/v) may be used when applying this product as part of a burndown program Some tank mix partners, for example glyphosate, are formulated with sufficient adjuvants and do not require the addition of a crop oil concentrate, methylated seed oil or non-ionic surfactant when tank mixed with this product. The addition of a crop oil concentrate or methylated seed oil may increase the burndown activity on certain weeds including Cutleaf Evening-primrose and Carolina geranium. Verify mixing compatibility qualities by a jar test.

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

JAR TEST TO DETERMINE COMPATIBILITY OF ADJUVANTS AND SIPCAM FLUMIOXAZIN 4 SC

When using this product and an adjuvant, including in stale seed bed, layby, hooded/shielded or reduced tillage situations; 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. Use water from the same source and temperature as will be used in the spray tank mixing operation.
- 2. Add 1 g of Sipcam Flumioxazin 4 SC to the quart jar for every 3 fl. oz. of Sipcam Flumioxazin 4 SC per acre being applied (4 g if 12 fl. oz./A is the desired Sipcam Flumioxazin 4 SC rate), gently mix until product goes into suspension.
- 3. Add 60 mL (4 tbsp. or 2 fl. oz.) of the crop oil or methylated seed oil to the quart jar or 1 mL of non-ionic surfactant if it is being used in place of oil, gently mix.

- 4. If nitrogen is being used, add 16 mL (1 tbsp. or 0.5 oz.) of the 28 to 32% nitrogen source to the quart jar. If ammonium sulfate is being used, add 19 g AMS to the guart jar in place of the 28 to 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. Question the choice of adjuvant if any of the following conditions are observed:
 - a) Layer of oil or globules on the mixture's surface.
 - b) Flocculation: fine particles in suspension or as a layer on the bottom of the jar.
 - c) Clabbering: thickening texture (coagulated) like gelatin.

SPRAYER PREPARATION

Before applying this product, start with clean, well maintained application equipment. The spray tank, as well as all hoses and booms, must be cleaned 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, (i.e., chlorimuron and 2,4-D respectively) are active at very small amounts and can cause crop injury when applied to susceptible crops. The spray equipment must be cleaned according to the manufacturer's directions for the last product used before the equipment is used to apply this product. If two or more products were tank mixed prior to Sipcam Flumioxazin 4 SC application, follow the most restrictive cleanup procedure.

MIXING INSTRUCTIONS

- 1. Fill clean spray tank 1/2 to 2/3 of desired level with clean water.
- 2. If a drift retardant is to be used, add 10 lbs. of spray grade ammonium sulfate per 100 gallons of spray solution.
- 3. While agitating, slowly add this product to the spray tank. Agitation creates a rippling or rolling action on the water surface.
- 4. If tank mixing Sipcam Flumioxazin 4 SC 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 all spray solution has been applied.
- 7. Mix only the amount of spray solution that can be applied the day of mixing. Apply this product within 6 hours of mixing.

SPRAYER CLEANUP

Spray equipment, including mixing vessels and nurse tanks, must be cleaned each day following application of this product. After this product is applied, the following steps must be used to clean the spray equipment:

- 1. Completely drain the spray tank, rinse the sprayer thoroughly, including the inside and outside of the tank and all in-line screens.
- 2. Fill the spray tank with clean water and flush all hoses, booms, screens, and nozzles.
- 3. Top off tank, add 1 gallon of 3% household ammonia (or equivalent) for every 100 gallons. of water, circulate through sprayer for 5 minutes, and then flush all hoses, booms, screens, and nozzles for a minimum of 15 minutes. If diaphragms are being used on the spray boom, loosen diaphragms before flushing the spray system, allowing cleaning solution to spray through the open diaphragm. If spray lines have any end caps, they must be loosened before flushing the system, allowing cleaning solution to spray through the loosened caps. To enhance removal of this product from the spray system, add a tank cleaner in place of ammonia and allow the cleaning solution to remain in the pressurized spray system (spray tank, hoses, and boom) overnight before flushing the system for a minimum of 15 minutes.
- Drain tank completely.
- 5. Add enough clean water to the spray tank to allow all hoses, booms, screens, and nozzles to be flushed for 2 minutes.
- 6. Remove all nozzles and screens and rinse them in clean water.

Thoroughly clean spray equipment, including all tanks, hoses, booms, screens, and nozzles, before it is used to apply postemergence pesticides. Equipment with Sipcam Flumioxazin 4 SC residue remaining in the system may result in crop injury to the subsequently treated crop.

APPLICATION EQUIPMENT

Ensure application equipment is clean and in good repair, nozzles are uniformly spaced on the boom and frequently checked for accuracy.

BROADCAST APPLICATION

Apply this product, and tank mixes with this product, with ground equipment using standard commercial sprayers equipped with flat fan or flood nozzles (preemergence applications only) designed to deliver the desired spray pressure and spray volume.

BAND APPLICATION

When banding, use proportionately less water and Sipcam Flumioxazin 4 SC per acre. The rate required per acre, when applied as a banded application, can be calculated with the following formula:

AERIAL APPLICATION

Spray drift away from the site of application may cause damage to non-target vegetation. To minimize drift, apply the largest droplet size consistent with uniform coverage and satisfactory weed control. To obtain satisfactory application and avoid drift, the following directions must be observed:

Restrictions

- **DO NOT** apply during low-level inversion conditions (including fog), when winds are gusty or under other conditions that favor drift. **DO NOT** spray when wind velocity is less than 2 mph or more than 10 mph.
- **DO NOT** apply this product by air within 40 ft of non-target plants including non-target crops.
- **DO NOT** apply this product by air within 100 ft of emerged cotton crops.
- **DO NOT** apply this product by air within 40 ft of streams, wetlands, marshes, ponds, lakes, and reservoirs.

Carrier Volume and Spray Pressure: When used as part of a burndown weed control program, apply this product in 7 to 10 gals. of water per acre. Application at less than 7 gals. per acre may provide inadequate control. When used for preemergence weed control, apply this product in 5 to 10 gals. of water per acre. The higher gallonage applications afford more consistent weed control. **DO NOT** exceed the nozzle manufacturer's specified pressures. For many nozzle types, lower pressure produces larger droplets. When higher flow rates are needed, use higher flow rate nozzles instead of increasing pressure.

Nozzle Selection and Orientation: Formation of very small drops may be minimized by appropriate nozzle selection, by orienting nozzles away from the air stream as much as possible and by avoiding excessive spray pressure. Use nozzles that produce flat or hollow cone spray patterns. Use non-drip type nozzles, for example diaphragm type nozzles, to avoid unwanted discharge of spray solution. The nozzles must be directed toward the rear of the aircraft, at an angle between 0 and 15° downward. **DO NOT** place nozzles on the outer 25% of the wings or rotors.

Adjuvants and Drift Control Additives: Refer to tank mix partner's label for adjuvant selection. Drift control additives may be used. When a drift control additive is used, read and carefully observe the cautionary statements and all other information appearing on the additive label.

CHEMIGATION

Follow all label directions for crops regarding rates, timing of application, special instructions, and precautions.

Apply this product only through center pivot systems. End guns must be turned off due to uneven application.

RESTRICTION:

DO NOT apply this product through any other type of irrigation system.

Crop injury, lack of efficacy, or illegal pesticide residues in the crop can result from non-uniform distribution of

treated water.

The system must be properly calibrated (with water only) to ensure that the amount of this product applied corresponds to the specified rate.

Apply this product in 1/2 to 3/4 inches of water during the first sprinkler set. Allow time for all lines to flush the herbicide through all nozzles before turning off irrigation water. To ensure the lines are flushed and free of remaining herbicide, a dye indicator may be injected into the lines to mark the end of the application period. Once chemigation has begun, the run must be completed to ensure no product is left in the system.

If you have any questions about calibration, contact your State Extension Service Specialist, equipment manufacturers or other experts.

Special Precautions for Chemigation

- DO NOT connect an irrigation system (including greenhouse systems) used for pesticide application to a
 public water system unless the pesticide label-prescribed safety devices for public water systems are in
 place.
- 2. A person knowledgeable of the chemigation system and responsible for its operation or under the supervision of the responsible person, must shut the system down and make necessary adjustments if the need arises.
- 3. The system must be free of leaks and clogged nozzles.
- 4. The pesticide must be supplied continuously for the duration of the aqueous application. An uneven application may cause injury to the crop or poor weed control.
- 5. Agitation must be maintained in the nurse tank.
- The sprinkler chemigation system must contain a functional check valve, vacuum relief valve and low pressure drain appropriately located on the irrigation pipeline to prevent water source contamination from backflow.
- 7. The pesticide injection pipeline must contain a functional, automatic, quick closing check valve to prevent the flow of fluid back toward the injection pump.
- 8. The pesticide injection pipeline must contain a functional, normally closed, solenoid operated valve located on the intake side of the injection pump and connected to the system interlock to prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shut down.
- 9. The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops, or in the case where there is no water pump, when the water pressure decreases to the point where pesticide distribution is adversely affected.
- 10. The irrigation line or water pump must include a functional pressure switch which will stop the water pump motor when the water pressure decreases to the point where pesticide distribution is adversely affected.
- 11. Systems must use a metering pump, for example a positive displacement injection pump (e.g., diaphragm pump), effectively designed and constructed of materials that are compatible with the pesticides and capable of being fitted with a system interlock.
- 12. **DO NOT** apply when wind speed favors drift beyond the area intended for treatment.

Chemigation Systems Connected to Public Water Systems

- 1. Public water system means a system for the provision to the public of piped water for human consumption, if such a system has at least 15 service connections or regularly serves an average of at least 25 individuals daily at least 60 days out of the year.
- 2. Chemigation systems connected to the public water system must contain a functional, reduced pressure zone, backflow preventer (RPZ) or the functional equivalent in the water supply line upstream from the point of pesticide introduction. As an option to the RPZ, discharge the water from the public water system into a reservoir tank prior to pesticide introduction. There shall be a complete physical break (air gap) between the outlet end of the fill pipe and the top overflow rim of the reservoir tank of at least twice the inside diameter of the fill pipe.
- 3. All chemigation systems connected to the public water system must also follow restrictions listed in the preceding section titled "Special Precautions for Chemigation".

APPLICATION WITH DRY BULK FERTILIZERS

Dry bulk fertilizer may be impregnated or coated with this product. Application of dry bulk fertilizer with this product

provides weed control equal to, or slightly below, the same rate of this product applied in liquid carriers, due to better coverage with application via spray equipment. Follow label directions for use regarding rates, special instructions, cautions and special precautions. Apply 400 to 700 lbs. of the fertilizer/herbicide mixture per acre to obtain adequate soil coverage. Apply the mixture to the soil with properly calibrated equipment immediately after blending. Uniform application of the herbicide/fertilizer mixture is essential to prevent possible crop injury and to obtain uniform weed control.

DO NOT use ammonium nitrate and/or limestone as the sole source of fertilizer, as this product may not adhere to these materials.

Compliance with all Federal and State regulations relating to blending pesticide mixtures with dry bulk fertilizer, registrations, labeling, and application are the responsibility of the individual and/or company offering the fertilizer and Sipcam Flumioxazin 4 SC mixture for sale.

This product must be premixed with water to form a slurry prior to impregnation on dry bulk fertilizer. For best results, use a minimum of 1 pt. of water for each 2 oz. of this product. Use a minimum of 6 pt. of this product's slurry to impregnate 2000 lbs. of the fertilizer for uniform coverage of the fertilizer. Closed drum, belt, ribbon or other commonly used dry bulk blenders may be used.

The amount of this product required can be calculated with the following formula:

Thoroughly clean dry fertilizer blending equipment after this product has been placed in the system to avoid injury to sensitive crops that may be treated with fertilizers blended after the equipment has been used for Sipcam Flumioxazin 4 SC. Rinse the sides of the blender and the herbicide tank with water. Then impregnate the rinsate onto a load of dry fertilizer intended for an approved crop. Use a maximum rate of 1 gals. of rinsate per ton of fertilizer. Follow with 1 to 2 loads of unimpregnated fertilizer in the blender before switching herbicides.

ROTATIONAL RESTRICTIONS

The following rotational crops may be planted after applying this product at the listed rate. Planting earlier than the specified rotational interval may result in crop injury.

DO NOT plant any crop, except corn (field), cotton, peanut, soybean, sugarcane, and sweet potato earlier than 30 days after applying Sincam Flumioxazin 4 SC.

Application Rates	CROPS	ROTATION INTERVALS
1 fl. oz./A	Cotton (no-till or strip-till only)	14 days ⁽¹⁾
(0.031 lb. Al/A)		
1.5 to 2 fl. oz./A	Cotton (no-till or strip-till only)	21 days
(0.047 lb. Al/A-		, .
0.063 lb. Al/A)		
2 fl. oz./A or less	Peanut, Soybean, Sugarcane, and Sweet Potato	Immediately
(0.063 lb. Al/A or less)	Field Corn (minimum and no-till)	7 days
	Cotton and Field Corn (conventional tillage), Rice,	30 days ⁽¹⁾
	Sorghum, Sunflower, Tobacco, and Wheat	oo days
	Barley, Dry and Snap Bean, Flax, Peas, Rye,	3 months
	Safflower, and Sweet Corn	
	Alfalfa, Canola, Oats, Potato, Sugar Beet, and all	4 months if soil is tilled prior to
	other crops not listed ²	planting,
	·	8 months if no tillage is
		performed
	Lentil	6 months
Up to 3 oz/A	Peanut, Soybean, Sugarcane, and Sweet Potato	Immediately

(0.094 lb. Al/A)	Field Corn (minimum and no-till)	14 days
,	Field Corn (conventional tillage) and Sorghum	30 days ⁽¹⁾
	Cotton, Rice, Sunflower, Tobacco, and Wheat	2 months ⁽¹⁾
	Barley, Dry and Snap Beans, Flax, Peas, Rye,	4 months
	Safflower, and Sweet Corn	
	Alfalfa, Clover, Oats, Potato, Sugar Beet	5 months if soil is tilled prior to
		planting, 10 months if no
		tillage is performed
	Canola and all other crops not listed ⁽²⁾	6 months if soil is tilled prior to
		planting, 12 months if no
	1	tillage is performed
11 1 1 1	Lentil	7 months
Up to 4 fl. oz./A	Sugarcane	Immediately
(0.125 lb. Al/A)	Alfalfa, Canola, Potato, Sugar Beet, and all other	6 months if soil is tilled prior to
	crops not listed ⁽²⁾	planting, 12 months if no
		tillage is performed
	Cotton, Field Corn, Peanut, Rice, Sorghum,	4 months
	Soybean, Sunflower, Tobacco, and Wheat	0 11 11 11 11
	Transplanted or raised beds only:	2 months (if the top 4 inches
	Melon, Pepper, and Tomato	of the beds have been
6 to 12 fl. oz./A	Cotton Field Corn Dognut Bico Sarahum	removed) 9 months
(0.188 lb. Al/A-	Cotton, Field Corn, Peanut, Rice, Sorghum, Soybean, Sunflower, Tobacco, and Wheat	9 1110111115
0.375 lb. Al/A)	Alfalfa, Canola, Sugar Beet and all other crops not	12 months if soil is tilled prior
0.070 15. 7 (1/14)	listed ⁽²⁾	to planting, 18 months if no
	Trees can be transplanted 2 months after an	tillage is performed
	application of Sipcam Flumioxazin 4 SC ⁽³⁾	anage to performed
L		L .

⁽¹⁾ At least one inch of rainfall/irrigation must occur between application and planting or crop injury may occur.

⁽²⁾ Successful soil bioassay must be performed prior to planting these crops.

⁽³⁾ Transplanted apple, apricot, avocado, bushberries (including blueberry), cherry, fig, grape, grapefruit, lemon, nectarine, olive, orange, peach, pear, plum (including dried plum), tangerine and tree nuts (including pistachio) can be planted 2 months after a Sipcam Flumioxazin 4 SC application of 2 fl. oz./A (0.063 lb. Al/A) to 12 fl. oz./A (0.375 lb. Al/A).

Table 1. Broadleaf Weeds Controlled by Residual Activity of Sipcam Flumioxazin 4 SC

BROADLEAF WEEDSPECIES						
Section A	Section A					
Common Name	Scientific Name	Organic Matter	Soil Type	Application Rate		
Carpetweed	Mollugo verticillata	Up to 5%	All Soil Types	2 fl. oz./A		
Chickweeds				(0.063 lb.		
Common	Stellaria media			Al/A)		
Mouseear	Cerastium vulgatum					
Dandelion	Taraxacum officinale					
Eclipta	Eclipta prostrate					
Eveningprimrose, Cutleaf	Oenothera laciniata					
Field Pennycress[*]	Thlaspi arvense					
Florida Pusley	Richardia scabra					
Henbit	Lamium amplexicaule					
Lambsquarters, Common	Chenopodium albsum					
Little Mallow	Malva parviflora					
Marestail/Horseweed	Conyza canadensis					
Mayweed/False	Matricaria maritime					
Nightshades						
	Solanum nigrum					
Eastern Black	Solanum ptycanthum					
Hairy	Solanum sarrachoides					
Pigweeds						
Redroot	Amaranthus retroflexus					
Smooth	Amaranthus hybridus					
Spiny Amaranth	Amaranthus spinosus					
Tumble	Amaranthus albsus					
Prickly Lettuce	Lactuca serriola					
Prickly Sida (Teaweed)	Sida spinosa					
Puncturevine	Tribulus terrestris					
Purslane, Common	Portulaca oleracea					
Radish, Wild	Raphanus raphanistrum					
Redmaids	Calandrinia ciliata var menziessii					
Shepherd's-purse	Capsella bursa-pastoris					
Smallflower Morningglory	Jacquemontia tamnifolia					
Sowthistle, Prickly[*]	Sonchus asper					
Spotted Spurge	Euphorbia maculate					
Venice Mallow	Hibiscus trionum					

[*Not registered for use in California]

continued

Table 1. Broadleaf Weeds Controlled by Residual Activity of Sipcam Flumioxazin 4 SC (continued)

Section B All weeds listed in Section A plus:					
Coffee Senna	Cassia occidentalis	Up to 3%	All Soil Types	2 fl. oz./A (0.063 lb. Al/A)	
Common Ragweed (1)	Ambrosia artemisiifolia			Cotton and Dry Bean 2.5 fl. oz./A (0.078 lb. Al/A)	
False Chamomile[*]	Tripleurospermum maritima			Field Corn and Soybean 3 fl. oz./A (0.094 lb. Al/A)	
Florida Beggarweed	Desmodium tortuosum			Peanut and all other labeled	
Golden Crownbeard	Verbesina encelioides			crops	
Hairy Indigo	Indigofera hirsute				
Hemp Sesbania	Sesbania exaltata	3 to 5%	Coarse and	2 fl. oz./A (0.063 lb. Al/A)	
Jimsonweed	Datura stramonium		Medium Soils:	Cotton and Dry Bean	
Kochia	Kochia scoparia		(sandy loam,	2.5 fl. oz./A (0.078 lb. Al/A)	
London Rocket[*]	Sisymbrium irio		loamy sand,	Field Corn and Soybean	
Morningglories ⁽³⁾			loamy, silt-	3 fl. oz./A (0.094 lb. Al/A)	
Entireleaf	Ipomoea hederacea var. integriuscula		loam, silt, sandy clay,	Peanut and all other labeled crops	
lvyleaf	Ipomoea hederacea		sandy clay		
Red/Scarlet	Ipomoea coccinea		loam)		
Tall	Ipomoea purpurea				
Mustard, Wild	Brassica kaber				
Palmer Amaranth	Amaranthus palmeri				
Spurred Anoda	Anoda cristata		Fine Soils:	2 fl. oz./A (0.063 lb. Al/A)	
Tropic Croton	Croton glandulosus		(silty clay, silty	Cotton and Dry Bean	
Waterhemps ⁽¹⁾			clay loam,	3 fl. oz./A (0.094 lb. Al/A)	
Common	Amaranthus rudis		clay, clay	Field Corn, Peanut,	
Tall	Amaranthus		loam)	Soybean and all other	
Wild Poinsettia	Euphorbia heterophylla		,	labeled crops	
Yellow Rocket[*]	Barbarea vulgaris				

Yellow Rocket[*] Barbarea vulgaris
[*Not registered for use in California.]

A postemergence herbicide, including lactofenv or glyphosate (Roundup Ready® soybeans only) may be needed following a preemergence application of this product to adequately control common ragweed or waterhemp in soybean fields with heavy pressure.

^{[&}lt;sup>(2)</sup>Sipcam Flumioxazin 4 SC will provide residual control of these weeds at 2 fl. oz./A (0.063 lb. Al/A) when applied under a cotton canopy.]

Morningglory species are not adequately controlled on fine soils or soils with greater than 3% organic matter.

Table 2. Weeds Suppressed by Residual Activity of Sipcam Flumioxazin 4 SC Application Rates

Broadleaf Weed Species				
Common Name	Scientific Name	Organic Matter	Application Rates	
Bristly Starbur	Acanthospermum hispidum	Up to 5%	2 to 3 fl. oz./A	
Copperleaf, Hophornbeam	Acalypha ostryifolia		(0.063 lb. Al/A-	
Ragweed, Giant	Ambrosia trifida		0.094 lb. Al/A)	
Russian Thistle	Salsola iberica			
Smartweeds				
Ladysthumb	Polygonum persicaria			
Pennsylvania	Polygonum pensylvanicum			
Smellmelon[*]	Cucumis melo			
Velvetleaf	Abutilon theophrasti			
Wild Buckwheat	Polygonum convolvulus			
Wormwood, Biennial	Artemisia biennis			
Grass Weed Species				
Barnyardgrass	Echinochloa crus-galli			
Bluegrass, Annual	Poa annua			
Crabgrass, Large	Digitaria sanguinalis			
Foxtail, Giant	Setaria faberi			
Goosegrass	Eleusine indica			
Lovegrass, California	Eragrostis diffusa			
Panicums				
Fall	Panicum dichotomiflorum			
Texas	Panicum texanum			
Ryegrass, Italian[*]	Lolium multiflorum			
Signalgrass, Broadleaf	Brachiaria platyphylla			
Cheat	Bromus secalinus	Up to 5%	1.5 to 3 fl. oz./A	
Downy Brome[*]	Bromus tectorum		(0.047 lb. Al/A- 0.094 lb. Al/A)	

[*Not registered for use in California]

DIRECTIONS FOR USE IN FALL AND SPRING PREPLANT BURNDOWN AND FALLOW SEEDBED PROGRAMS IN FIELD CORN, PEANUT AND SOYBEAN

(Preemergence to Crop)

[For Use in the States of Arizona, California and Hawaii Only] [Not registered for use on Peanut or Soybean in California]

RESTRICTIONS AND LIMITATIONS

- DO NOT apply to frozen or snow-covered soil.
- DO NOT perform any tillage operation after application or residual weed control will be reduced.
- Observe all rotational intervals prior to planting as listed in the "ROTATIONAL RESTRICTIONS" table.

FALL BURNDOWN AND FALLOW SEEDBED PROGRAMS

This product [at 2 to 4 oz/A (0.063 lb. Al/A-0.125 lb. Al/A.)] can be used in the fall to provide residual weed control in fields that will be planted the following spring with field corn, peanut, or soybean (refer to Rotational Restrictions table for rates and rotational intervals prior to planting). Weeds controlled by residual activity are listed in Table 1 (sections A and B), Broadleaf Weeds Controlled by Residual Activity of Sipcam Flumioxazin 4 SC; Table 3, Weeds Controlled by Fall and Spring Preplant Burndown Programs; and Table 7, Weeds Controlled by Residual Activity of Sipcam Flumioxazin 4 SC. If weeds have emerged at the time of application, use this product in combination with a labeled burndown herbicide. [Application must be made no earlier than October 15 in Region 2 or November 15 in Region 1 or when soil temperature falls below 50°F at a 2 inch depth to maintain residual weed control into the spring (April 1 in Region 1 and May 1 in Region 2) or up until planting, whichever comes first.] This product

can be used in a fall burndown or fallow seedbed program [outside of Regions 1 and 2], however the length of residual control may be variable.

Abnormally warm or wet winters will reduce the length of weed control observed in the spring. [Fall Application

Regions:

Region 1: Alabama, Arkansas, Georgia, Kentucky, Mississippi, Oklahoma, Tennessee and Virginia Region 2: Delaware, Kansas, Illinois, Indiana, Iowa, Maryland, Michigan, Minnesota, Missouri, Nebraska, North Dakota, Ohio, Pennsylvania, South Dakota, West Virginia, and Wisconsin]

Weeds controlled by postemergence or residual activity are listed in Table 3. Preplant burndown treatment tank mixes and rates are:

Herbicide	Product Rate	
Program 1 ⁽¹⁾		
Sipcam Flumioxazin 4 SC	2 to 3 oz./A	
Plus	(0.063 to 0.094 lb. Al/A)	
Glyphosate Plus	0.5 to 1.0 lb. AI/A	
2,4-D LVE (2,4-D for use on preplant soybeans only) Plus	0.5 to 1.0 lb. Al/A	
NIS + AMS	0.5% v/v + 17 lbs./100 gals of water	

Or

Program 2 ⁽¹⁾			
Sipcam Flumioxazin 4 SC Plus	2 to 3 oz./A (0.063 to 0.094 lb. Al/A)		
Glyphosate Plus	0.5 to 1.0 lb. AI/A		
COC ⁽²⁾ or NIS + AMS	1pt./A or 0.5% v/v + 17 lbs./100 gals. of water		

Or

Program 3 ⁽¹⁾			
Sipcam Flumioxazin 4 SC 2 to 3 oz./A			
Plus (0.063 to 0.094 lb. Al/A)			
2,4-D LVE (2,4-D for use on preplant soybeans only)	0.5 to 1.0 lb. AI/A		
Plus (equivalent to 1 to 2 pt./A of 2,4-D 4 LVE)			
COC	1 pt./A		

⁽¹⁾Dicamba at 0.188 lb. Al/A can be added to Programs 1, 2 & 3 to assist in the control emerged broadleaves. Refer to dicamba label for rotational restrictions.

⁽²⁾Crop oil concentrate has been found to increase glyphosate burndown of emerged cutleaf evening primrose and Carolina geranium.

Table 3. Weeds Controlled by Fall and Spring Preplant Burndown Programs

Weeds Controlled ⁽¹⁾	Weeds Controlled ⁽¹⁾		Postemergence			
Common Nomo	Cojentific Name	Program 1	Program 2	Program 3		
Common Name	Scientific Name		Weeds 3 inches or less			
Chamomile, False	Matricaria maritime	Yes	Yes	No	Yes	
Cheatgrass	Bromus tectorum	Yes	Yes	No	Yes	
Chickweed, Common	Stellaria media	Yes	Yes	No	Yes	
Chickweed,	Cerastium vulgatum	Yes	Yes	No	Yes	
Cockle, White	Silene latifolie	No	Yes	Yes	Yes	
Dandelion	Taraxacum officinale	Yes	No	Yes ⁽²⁾	Yes	
Deadnettle, Purple	Lamium purpureum	Yes	Yes	Yes	Yes	
Groundsel, Cressleaf	Senecio glabellus	Yes	Yes	-	Yes	
Henbit	Lamium amplexicaule	Yes	Yes	Yes	Yes	
Kochia	Kochia scoparia	Yes	Yes	Yes	Yes	
Marestail/Horseweed	Conyza canadensis	Yes	Yes ⁽³⁾	Yes	Yes	
Mallow, Common	Malva neglecta	Yes	Yes	No	Yes	
Prickly Lettuce	Lactuca serriola	Yes	Yes	Yes	Yes	
Wormwood, Biennial	Artemisia biennis	Yes	Yes	Yes	Yes	
			Weeds 12	inches or les	S	
Canola, Volunteer	Brassica napus	Yes	Yes	Yes	Yes	
Carolina Geranium	Geranium carolinianum	Yes	Yes	Yes	-	
Eveningprimrose, Cutleaf ⁽⁴⁾	Oenothera laciniata	Yes	Yes	Yes	Yes	
Flixweed	Descurainia sophia	Yes	Yes	Yes	Yes	
Mustard, Tansy	Descurainia pinnata	Yes	Yes	Yes	Yes	
Mustard, Wild	Brassica kaber	Yes	Yes	Yes	Yes	
Shepherd's-purse	Capsella bursa-pastoris	Yes	Yes	Yes	Yes	

⁽¹⁾Refer to glyphosate and/or 2,4-D labels for additional weeds controlled and rotational restrictions.

SPRING BURNDOWN PROGRAMS

This product can be used in combination with labeled preplant burndown herbicides to assist in the postemergence burndown of emerged weeds and provide residual weed control prior to crop emergence. Weeds controlled by residual activity are listed in Table 1.

No-till planters that incorporate the soil during planting may result in decreased weed control in the row. Apply this product after planting peanuts and soybeans when these types of planters are used (within 3 days after planting soybeans, within 2 days after planting peanuts and before the crop emerges). This product cannot be applied after planting field corn.

This product can be used [at 1 to 3 fl oz/A (0.031 lb. Al/A-0.094 lb. Al/A)] with labeled preplant burndown herbicides to enhance the speed of burndown and increase weed spectrum.

This product can be used [at 1 to 3 fl oz/A (0.031 lb. Al/A-0.094 lb. Al/A)] [1 to 2 fl oz/A (0.031 lb. Al/A-0.063 lb. Al/A)] in field corn, peanut, and soybean burndown programs. See "DIRECTIONS FOR USE IN FIELD CORN", "DIRECTIONS FOR USE IN PEANUT", and "DIRECTIONS FOR USE IN SOYBEAN" for more information.

⁽²⁾Use 1 lb. Al/A of 2,4-D LVE (equivalent to 2 pt./A of 2,4-D 4 LVE) for control of emerged dandelion.

⁽³⁾Program 2 will not control emerged glyphosate resistant marestail/horseweed.

⁽⁴⁾Use Program 1 to control cutleaf eveningprimrose that are nearing 12 inches in height or are past the rosette stage. Use Programs 2 or 3 to control cutleaf evening primrose that are 12 inches or less and in the rosette stage.

DIRECTIONS FOR USE IN FALL AND SPRING BURNDOWN PROGRAMS IN COTTON AND SUGARCANE

[For Use in the States of Arizona, California and Hawaii Only] [Not registered for use on Sugarcane in California]

RESTRICTIONS AND LIMITATIONS

- **DO NOT** apply to frozen or snow-covered soil.
- DO NOT perform any tillage operation after application or residual weed control will be reduced.
- Sipcam Flumioxazin 4 SC can be used [at 1 to 2 fl. oz./A (0.031 lb. Al/A-0.063 lb. Al/A)] with labeled burndown herbicides to enhance the speed of burndown and increase weed spectrum.
- A minimum of 30 days must pass, and 1 inch of rainfall/irrigation must occur, between Sipcam Flumioxazin 4 SC application and planting of conventionally tilled cotton.
- A minimum of 14 days must pass, and 1 inch of rainfall/irrigation must occur, between Sipcam Flumioxazin 4 SC application and planting of no-till or strip-till cotton when a Sipcam Flumioxazin 4 SC rate of 1 fl. oz./A (0.031 lb. Al/A) is used and 21 days when a Sipcam Flumioxazin 4 SC rate of 1.5 to 2 fl. oz./A (0.047 lb. Al/A-0.063 lb. Al/A) is used. The field must contain the stubble from the previous crop.
- Sipcam Flumioxazin 4 SC can be applied as part of a burndown application to sugarcane until cane emergence.
- Observe all rotational intervals prior to planting as listed in the "ROTATIONAL RESTRICTIONS" table.
- Refer to most restrictive label for minimum interval between application and planting.

FALL BURNDOWN PROGRAMS

This product [, at 2 to 4 fl. oz./A (0.063 lb. Al/A-0.125 lb. Al/A),] can be used in the fall to provide residual weed control in fields that will be planted the following spring with cotton or sugarcane (refer to Rotational Restrictions table for rates and rotational intervals prior to planting). Weeds controlled by residual activity are listed in Table 1 and Table 7. If weeds have emerged at the time of application, use this product in combination with a labeled burndown herbicide. [Application must be made no earlier than October 15 in Region 2 or November 15 in Region 1 or when soil temperature falls below 50°F at a 2 inch depth to maintain residual weed control into the spring (April 1 in Region 1 and May 1 in Region 2) or up until planting, whichever comes first.] [Sipcam Flumioxazin 4 SC can be used in a fall burndown or fallow seedbed program outside of Regions 1 and 2.]

Abnormally warm or wet winters will reduce the length of weed control observed in the spring.

SPRING BURNDOWN PROGRAMS

This product [, at 1 to 2 oz./A (0.031 lb. Al/A-0.063 lb. Al/A),] can be used in combination with labeled preplant burndown herbicides to assist in the postemergence burndown of emerged weeds and provide residual weed control prior to crop emergence in fields that will be planted with cotton or sugarcane. Weeds controlled by residual activity are listed in Table 1.

No-till planters that incorporate the soil during planting may result in decreased weed control in the row.

DIRECTIONS FOR USE IN FALL AND SPRING BURNDOWN PROGRAMS IN RICE, SORGHUM, SUNFLOWER, TOBACCO, AND WHEAT

(Preplant to Crop)

[For Use in the States of Arizona, California and Hawaii Only] [Not registered for use on Tobacco in California]

RESTRICTIONS AND LIMITATIONS

- DO NOT apply to frozen or snow-covered soil.
- DO NOT perform any tillage operation after application or residual weed control will be reduced.
- This product can be used [at 1 to 2 fl. oz./A (0.031 lb. Al/A-0.063 lb. Al/A))] with labeled burndown herbicides to enhance the speed of burndown and increase weed spectrum. A minimum of 30 days must pass, and 1 inch of rainfall/irrigation must occur, between Sipcam Flumioxazin 4 SC application and planting of rice, sorghum, sugarcane, sunflowers, tobacco, or wheat. Refer to most restrictive label for minimum interval between

application and planting.

• Observe all rotational intervals prior to planting as listed in the "ROTATIONAL RESTRICTIONS" table.

FALL BURNDOWN PROGRAMS

This product can be used in combination with labeled burndown programs to control emerged weeds and provide residual weed control in fields that will be planted the following spring (refer to **Rotational Restrictions** table for rates and rotational intervals prior to planting). [Application must be made no earlier than October 15 in Region 2 or November 15 in Region 1 or when soil temperature falls below 50°F at a two inch depth to maintain residual weed control into the spring.]

Abnormally warm winters may reduce the length of weed control observed in the spring.

SPRING BURNDOWN PROGRAMS

This product can be used in combination with labeled burndown programs to control emerged weeds and provide residual weed control prior to crop emergence. Weeds controlled by residual activity are listed in Table 1 Section A. Crops that will be planted following application must be in compliance with the rotational interval listed in the "Rotational Restriction" table above.

No-till planters that incorporate the soil during planting may result in decreased weed control in the row.

DIRECTIONS FOR USE IN FALL BURNDOWN PROGRAMS IN FIELDS TO BE PLANTED TO BARLEY, FIELD PEA, FLAX, LENTIL, SAFFLOWER, SUNFLOWER, AND SPRING WHEAT

(Preplant to Crop)

[For Use in the States of Arizona, California and Hawaii Only]

RESTRICTIONS AND LIMITATIONS

- DO NOT apply to frozen or snow-covered soil.
- DO NOT perform any tillage operation after application or residual weed control will be reduced.
- Sipcam Flumioxazin 4 SC can be mixed with 2,4-D and/or glyphosate formulations labeled for burndown programs (preplant to crop) in accordance with the most restrictive label limitations and precautions.
- Do not mix Sipcam Flumioxazin 4 SC with any product containing a label prohibition against such mixing.
- Observe all rotational intervals prior to planting as listed in the "ROTATIONAL RESTRICTIONS" table.

FALL BURNDOWN PROGRAMS

This product can be used [at 2 to 4 fl. oz./A (0.063 lb. Al/A-0.125 lb. Al/A)] with labeled burndown herbicides to enhance the speed of burndown, increase weed spectrum and provide residual weed control of the weeds listed in Table 3 until the following spring. Rotational intervals must be followed for crop to be planted in the spring following the fall Sipcam Flumioxazin 4 SC application. Refer to most restrictive label for minimum interval between application and planting.

DIRECTIONS FOR USE IN FALLOW LAND

[For Use in Arizona, California and Hawaii Only]

This product may be used as a preemergence fallow treatment. Weeds controlled by residual activity are listed in Table 1.

This product [, at 2 to 4 fl. oz./A (0.063 lb. Al/A-0.125 lb. Al/A),] can be used in the fall to provide residual weed control in fallow fields (refer to Rotational Restrictions table for rates and rotational intervals prior to planting). If weeds have emerged at the time of application, use this product in combination with a labeled fallowherbicide. [Application must be made no earlier than October 15 in Region 2 or November 15 in Region 1 or when soil temperature falls below 50°F at a 2-inch depth to maintain residual weed control into the spring (April 1 in Region 1 and May 1 in Region 2).] Abnormally warm or wet winters will reduce the length of weed control observed in the spring.

This product [, at 1 to 4 fl. oz./A (0.031 lb. Al/A-0.125 lb. Al/A),] can be used in spring in combination with labeled burndown herbicides to control emerged weeds and provide residual weed control.

DIRECTIONS FOR USE IN ESTABLISHED ALFALFA

RESTRICTIONS AND LIMITATIONS

- **DO NOT** apply more than 4 oz. of this product (0.125 lb. Al/A) per acre per application.
- **DO NOT** more more than 2 applications of this product per acre per year.
- DO NOT apply more than 8 fl. oz. (0.25 lb. Al/A) of this product per acre per year.
- DO NOT make a sequential Sipcam Flumioxazin 4 SC application within 60 days of the first Sipcam Flumioxazin 4 SC application.
- **DO NOT** apply to alfalfa with greater than 6 inches of growth. Application will result in burning of treated leaves and stems. **Understand and accept this risk before using this product on alfalfa.**
- DO NOT apply within 25 days of harvest or grazing.
- **DO NOT** use on alfalfa grown for seed unless approved by a State authority to support a Special Local Need (SLN) under FIFRA section 24(c).
- Only apply with an adjuvant or tank mix with products formulated as an emulsifiable concentrate "EC" when targeting control of emerged weeds (expect and accept crop burn and/or stunting if this product is used with an adjuvant, a tank mix partner formulated as an emulsifiable concentrate (EC) or a tank mix partner formulated with an adjuvant.)
- Application with paraquat can be used to burndown winter annuals prior to winter dormant period.
- **DO NOT** use on intended mixed alfalfa-grass stands

TIMING TO ALFALFA

This product may be applied to established alfalfa with a maximum amount of growth of 6 inches or less for the preemergence control of the weeds listed in Table 7, Weeds Controlled by Residual Activity of Sipcam Flumioxazin 4 SC. Established alfalfa is defined as alfalfa planted in the fall or spring which has gone through a first cutting/mowing. Application to alfalfa with greater than 6 inches of growth may result in unacceptable crop injury.

For control of winter annual weeds: the best timing for preemergence control is in the fall immediately after the last cutting or sheeping-off has occurred.

For control of summer annual weeds: the best timing for preemergence control is in the spring prior to alfalfa growth and before 6 inches of growth.

TIMING TO WEEDS

Preemergence - Preemergence to Weeds

Apply this product before alfalfa growth exceeds 6 inches in height for the preemergence control of weeds listed in Table 7, Weeds Controlled by Residual Activity of Sipcam Flumioxazin 4 SC. Make applications as soon as possible after cutting and removing alfalfa to minimize injury to alfalfa growth.

Postemergence Dodder Suppression[*]

Apply Sipcam Flumioxazin 4 SC at 4 fl. oz. (0.125 lb. Al/A) per acre with an adjuvant for postemergence suppression of dodder. Tank mixes with imazethapyr, ammonium salt or imazamox will increase control. [*Not registered for use in California]

DIRECTIONS FOR USE IN ARTICHOKE

RESTRICTIONS AND LIMITATIONS

- **DO NOT** apply more than 4 oz./A of this product (0.125 lb. Al/A) per acre per application on annual or perennial artichoke varieties after new planting.
- **DO NOT** apply more than 6 oz./A of this product (0.188 lb. Al/A) per acre per application on perennial artichoke varieties after cutback.
- **DO NOT** make more than 1 application per year.

- **DO NOT** apply more than 6 oz. of this product (0.188 lb. Al/A) per acre per year.
- Application to artichoke foliage may result in unacceptable crop injury.

TIMING TO ARTICHOKE

Annual Varieties: This product may be applied to artichoke beds prior to transplanting. Application of this product must be made to the beds no later than 2 days prior to transplanting. Irrigation or rainfall after transplanting is necessary to activate this product. **DO NOT** irrigate the Sipcam Flumioxazin 4 SC before transplanting. Heavy irrigation or rainfall may result in crop injury. The injury is usually transitory and the plants will quickly grow out of the crop damage. Take care to minimize soil disturbance during transplanting, as preemergence weed control will decrease as soil disturbance increases.

Perennial Varieties: This product may be applied to artichokes after planting of crown pieces of "cut back" of mature plants. Applications of this product must be made within 2 days after planting or cut back and prior to artichoke emergence. Application after the artichokes have begun to crack, or are emerged, will result in crop injury. Application may not be made when artichokes have begun to emerge (cracking).

TIMING TO WEEDS

Pre-plant (annual)/Preemergence (perennial) to Artichokes – Preemergence to Weeds

Apply this product pre-plant to annual artichokes for preemergence control of the weeds. For perennial artichokes apply before cracking for preemergence control of weeds. Apply prior to weed emergence. A post-emergence herbicide may be necessary to control emerged weeds. This product may be applied to annual or perennial artichokes as specified above for preemergence control of weeds listed in Table 7, Weeds Controlled by Residual Activity of Sipcam Flumioxazin 4 SC.

DIRECTIONS FOR USE IN ESTABLISHED ASPARAGUS

RESTRICTIONS AND LIMITATIONS

- **DO NOT** apply more than 6 fl. oz. (0.188 lb. Al/A) of this product per acre per application.
- DO NOT make more than 1 application of this product per acre per year.
- **DO NOT** apply more than 6 fl. oz. (0.188 lb. Al/A) of this product per acre per year.
- Apply only to dormant asparagus no less than 14 days before spears emerge. Application to non-dormant asparagus may result in unacceptable crop injury.
- **[DO NOT** work soil within 60 days prior to application in the spring. Soil can be worked after spear harvest in preparation for Sipcam Flumioxazin 4 SC application prior to fern emergence. Treated soil that is splashed onto the ferns may result in spotting.]

TIMING TO ASPARAGUS - Dormant

This product may be applied to dormant asparagus for preemergence control of the weeds listed in Table 10, Weeds Controlled by Preemergence Application of Sipcam Flumioxazin 4 SC. Application to non-dormant asparagus will result in unacceptable crop injury. Apply a minimum of two weeks before spear emergence. Scoring may result if a minimum of 0.5 inch of either rainfall or irrigation has not occurred two weeks prior to emergence.

TIMING TO ASPARAGUS – Post Harvest

Apply this product after the final harvest of the season, but prior to fern emergence, for preemergence control of the weeds listed in Table 10, Weeds Controlled by Preemergence Application of Sipcam Flumioxazin 4 SC. Application after fern emergence will result in unacceptable crop injury. Apply no less than two weeks prior to fern emergence and must be sprinkler or rainfall incorporated with 1/2 to 3/4 inches of water. Add a burndown tank mix partner for the control of emerged weeds labeled for asparagus in accordance with the most restrictive labeled limitations and precautions.

TIMING TO WEEDS

Burndown - Dormant Asparagus, Postemergence to Weeds

This product may be used for residual weed control, as well as to assist in postemergence burndown of many annual and perennial weeds where asparagus is dormant. For control of emerged weeds, tank mix this product with paraquat. Refer to paraquat label for specified rate and application parameters. To ensure thorough coverage, use a minimum of 15 gallons of spray solution per acre. Sipcam Flumioxazin 4 SC tank mixes applied to assist in the control of emerged weeds must be applied with a non-ionic surfactant at 0.25% v/v. A spray grade nitrogen source (either ammonium sulfate at 2 to 2.5 lbs./A or 28 to 32% nitrogen solution at 1 to 2 qt./A) may be added to increase herbicidal activity.

Burndown - After Last Harvest of Season, Postemergence to Weeds

Use this product for residual weed control and to assist in postemergence burndown for many annual and perennial weeds where asparagus harvest has been completed for the year. For control of emerged weeds, use a labeled tank mix partner with activity on the emerged weeds.

Preemergence – Dormant Asparagus or After Last Harvest of Season, Preemergence to Weeds Apply this product to dormant asparagus for the preemergence control of weeds listed in Table 10, Weeds Controlled by Preemergence Application of Sipcam Flumioxazin 4 SC.

DIRECTIONS FOR USE IN BRASSICA HEAD AND STEM VEGETABLE GROUP 5 - 16

Includes: Broccoli; Brussels Sprouts; Cabbage; Cabbage, Chinese, napa; Cauliflower, cultivars, varieties, and/or hybrids of these.

[FOR DISTRIBUTION AND USE ONLY WHERE THIRD PARTY INDEMNIFACATION IS IN EFFECT] [Not registered for use in California]

ROW MIDDLES

RESTRICTIONS AND LIMITATIONS

- DO NOT apply after crops are transplanted.
- **DO NOT** apply more than 3 fl. oz. (0.094 lb. Al/A) of this product per acre per application. **For Cabbage, DO NOT** apply more than 4 oz. (0.125 lb. Al/A) of this product per acre per application.
- DO NOT make more than 2 applications per year.
- **DO NOT** apply more than 6 fl. oz. (0.188 lb. Al/A) of this product per acre per year. **For Cabbage, DO NOT** apply more than 8 oz. (0.25 lb. Al/A) of this product per acre per year.

PRECAUTIONS

- This product can only be applied in row middles between raised plastic mulched beds that are at least 4
 inches higher than the treated row middle and the mulched bed must have a minimum of a 24- inch bed
 width.
- Spray must remain between raised beds and contact no more than the bottom 1 inch of the side of the raised bed.
- All applications must be made with shielded or hooded equipment.
- Injury can occur if soil particles treated with Sipcam Flumioxazin 4 SC contact the crop.
- A rainfall after application but prior to transplanting is required.

RATE

Up to 4 fl. oz. (0.125 lb. Al/A) per acre per application.

TIMING TO CROP

This product may be applied at 3 oz (0.094 lb. Al/A) per acre (except cabbage which may be applied at 4 oz./A (0.125 lb. Al/A) as a shielded or hooded application to row middles after plastic is laid up to transplanting or seeding. Transplanting or seeding can take place any time after spray has dried. Spray must be applied to the row middle and contact no more than approximately the bottom 1 inch of the side of the raised bed. If the top of the mulch beds (where plants are to be transplanted) is contacted, severe injury can occur due to foliage contact with treated plastic.

WEED CONTROL AND TANK MIXING

This product provides preemergence residual control of the weeds listed in Table 7, Weeds Controlled by Residual Activity of Sipcam Flumioxazin 4 SC, as well as to assist in the postemergence control of emerged weeds. A registered preemergence grass herbicide may be added for control of additional grassy weeds. For control of emerged weeds, tank mix this product with paraquat, carfentrazone-ethyl, glyphosate, or other registered burndown herbicide. Refer to tank mix partner label for specified rates and application parameters.

DIRECTIONS FOR USE ON CACTUS (PRICKLY PEAR)

[Not registered for use in California]

RESTRICTIONS AND LIMITATIONS

- **DO NOT** apply more than 12 fl. oz. (0.375 lb. Al/A) of this product per acre per application.
- **DO NOT** make more than 2 applications of this product per acre per year at the 6 fl. oz. (0.188 lb. Al/A) rate.
- **DO NOT** apply more than 12 fl. oz. (0.375 lb. Al/A) of this product per acre per year.
- Use a maximum Sipcam Flumioxazin 4 SC rate of 6 oz/A (0.188 lb. Al/A) per application on any soil that has a sand plus gravel content over 80% if plants are less than 3 years of age. (Two applications of 6 oz/A (0.188 lb. Al/A) in a 12-month period can still be made as long as there have been 60 days between applications).
- **DO NOT** apply to farm alleys or roads where traffic may result in treated dust settling onto crops or other desirable vegetation.
- Raise mower height during all mowing to reduce dust. Dust created by mowing can drift onto desirable vegetation resulting ininjury.
- **DO NOT** mow treated areas. Dust created by mowing may drift onto desirable vegetation resulting in injury.
- Follow the most restrictive label limitations and precautions of the tank mix product(s) being used.
- Avoid direct or indirect spray contact to foliage.
- DO NOT apply within 60 days prior to harvest.
- DO NOT apply to plants established less than one year.

Apply this product as a uniform broadcast application to the plantation floor or as a uniform band directed at the base of the cactus. The preferred application timing for this product is in the fall to maximize the potential for rainfall to activate and set the herbicide. **DO NOT** apply over the top of crop or allow spray to come in contact with crop as a result of application or drift.

Preemergence Application

Apply 6 to 12 fl. oz. (0.188 lb. Al/A-0.375 lb. Al/A) of this product per broadcast acre as a preemergence application. Sipcam Flumioxazin 4 SC applications must be made prior to weed emergence for control of weeds listed in Table 10, Weeds Controlled by Preemergence Application of Sipcam Flumioxazin 4 SC. Make preemergence (to weed emergence) applications of this product to a weed-free soil surface. Preemergence applications of this product must be completed prior to weed emergence. Moisture is necessary to activate this product on soil for residual weed control. Dry weather following application of this product may reduce effectiveness. However, when adequate moisture is received after dry conditions, this product will control susceptible germinating weeds.

[Postemergence Application

Apply 6 to 12 fl. oz. (0.188 lb. Al/A-0.375 lb. Al/A) of this product per broadcast acre plus an adjuvant (0.25% v/v non-ionic surfactant or 1 qt/A crop oil concentrate). The addition of an adjuvant enhances Sipcam Flumioxazin 4 SC. activity on emerged weeds. Thorough spray coverage is necessary to maximize the postemergence activity of Sipcam Flumioxazin 4 SC.

Refer to Table 13, Weeds Controlled by Postemergence Activity of Sipcam Flumioxazin 4 SC for weeds controlled by the residual activity of Sipcam Flumioxazin 4 SC. Tank mix this product with a labeled burndown herbicide for control of the emerged weeds.

Residual weed control will be reduced if vegetation prevents the Sipcam Flumioxazin 4 SC from reaching the soil surface. If vegetation is heavy, use a burndown herbicide with this product and make a sequential Sipcam Flumioxazin 4 SC application prior to the emergence of new weeds.]

Carrier Volume and Spray Pressure

To ensure thorough coverage in burndown applications, use a minimum of 15 gallons of spray solution per acre. Use higher gallonage if dense vegetation or heavy crop residue is present.

Nozzle selection must meet manufacturer's gallonage and pressure guidelines.

Banded Application

Rates listed in Table 13, Weeds Controlled by Postemergence Activity of Sipcam Flumioxazin 4 SC *Tank Mixes*, refer to a broadcast application covering the entire acre. Refer to the Band Application table in Use Information Section to calculate amount needed per acre when making a banded application.

DIRECTIONS FOR USE IN CELERY

[For Use in] [California,] [Michigan and Wisconsin Only]

RESTRICTIONS AND LIMITATIONS

- DO NOT apply more than 3 fl. oz. (0.094 lb. Al/A) of this product per acre during a pre-transplant application.
- **DO NOT** apply more than 3 fl. oz. (0.094 lb. Al/A) of this product per acre during a post-transplant application.
- DO NOT make more than 1 application of this product per acre per year.
- DO NOT apply more than 3 fl. oz. (0.094 lb. Al/A) of this product per acre during per year.
- DO NOT use with an adjuvant.
- Post-transplant applications must be made between 3 to 7 days following transplanting.
- DO NOT apply as part of a tank mix.

[PRECAUTIONS]

• [In the state of California, use as pre-transplant application only.]

TIMING TO CELERY

Apply this product at 3 oz./A (0.094 lb. Al/A) prior to transplanting, or between 3- and 7-days following transplanting, for preemergence control of the weeds listed in Table 1, Broadleaf Weeds Controlled by Residual Activity of Sipcam Flumioxazin 4 SC.

TIMING TO WEEDS

Use this product prior to weed emergence for residual control.

Refer to Product Information section for tank mix guidance. Sipcam Flumioxazin 4 SC, when applied according to label directions for use, will control the weeds listed in Table 1, Broadleaf Weeds Controlled by Residual Activity of Sipcam Flumioxazin 4 SC.

DIRECTIONS FOR USE IN COTTON

[For Use in Arizona, California and Hawaii Only]

RESTRICTIONS AND LIMITATIONS

- **DO NOT** apply more than 2 fl. oz. (0.063 lb. Al/A) of this product per acre per application.
- **DO NOT** make more than 2 applications of this product per acre per year.
- DO NOT apply more than 4 fl. oz. (0.125 lb. Al/A) of this product per acre per year.
- DO NOT make a sequential Sipcam Flumioxazin 4 SC application within 30 days of the first Sipcam Flumioxazin 4 SC application.
- DO NOT apply within 60 days of harvest.

ENVIRONMENTAL CONDITIONS AND BIOLOGICAL PERFORMANCE

Hooded, Shielded and Layby Application

For best results, apply this product to actively growing weeds within the growth stages indicated in this label. Applying this product under conditions that **do not** promote active weed growth will reduce herbicide

effectiveness. **DO NOT** apply this product when the crop or weeds are under stress due to drought, excessive water, extremes in temperature, disease or low humidity. Weeds under stress tend to become less susceptible to herbicidal action. This product is most effective when applied under sunny conditions at temperatures above 65°F.

This product is rainfast one hour after application. **DO NOT** make applications if rain is expected within one hour of application or postemergence efficacy may be reduced.

HERBICIDE RATE

Hooded, Shielded and Layby Application

For postemergence weed control, apply this product through a hooded or shielded sprayer or at layby, at 2 oz./A (0.064 lb. Al/A), in combinations with MSMA or at 1 to 2 oz./A (0.031 lb. Al/A-0.063 lb. Al/A) in combination with glyphosate, to assist in the control of weeds listed in Table 4. Residual weed control can also be obtained through hooded, shielded and layby application of this product. Weeds that are controlled through residual activity of this product are listed in Table 1. Weeds that are suppressed by residual activity of this product are listed in Table 2.

Table 4. Emerged Broadleaf Weeds Controlled by Hooded, Shielded and Layby Application of Sipcam Flumioxazin 4 SC Tank Mixes with Glyphosate or MSMA in Cotton

BROADLEAF WEED SPECIE	WEED HEIGHT (inches) 2 fl.	
COMMON NAME	SCIENTIFIC NAME	oz./A (0.063 lb. Al/A)
Bindweed, Field ⁽¹⁾	Convolvulus arvensis	4
Carpetweed	Mollugo verticillata	4
Chickweed, Common	Stellaria media	4
Cocklebur, Common	Xanthium strumarium	4
Florida Beggarweed	Desmodium tortuosum	2
Hemp Sesbania	Sesbania exaltata	6
Jimsonweed	Datura stramonium	4
Lambsquarters, Common	Chenopodium albsum	4
Morningglories	•	
Entireleaf	Ipomoea hederacea var. integriuscula	4
lvyleaf	Ipomoea hederacea	4
Pitted	Ipomoea lacunose	4
Red	Ipomoea coccinea	4
Tall	Ipomoea purpurea	2
Mustard, Wild	Brassica kaber	6
Nightshades		
Black	Solanum nigrum	4
Eastern Black	Solanum ptycanthum	4
Hairy	Solanum sarrachoides	4
Pigweeds		
Palmer Amaranth	Amaranthus palmeri	4
Redroot	Amaranthus retroflexus	4
Smooth	Amaranthus hybridus	4
Plaintain, Broadleaf	Plantago major	6
Prickly Sida (Teaweed)	Sida spinosa	4
Purslane, Common	Portulaca oleracea	2
Ragweeds		
Common	Ambrosia artemisiifolia	2
Giant	Ambrosia trifida	4
Rice Flatsedge	Cyperus iria	2
Sicklepod	Senna obtusifolia	4
Smartweeds		
Ladysthumb	Polygonum persicaria	4
Pale	Polygonum lapathifolium	4

Pennsylvania	Polygonum pensylvanicum	4
Spotted Spurge	Euphorbia maculata	4
Velvetleaf	Abutilon theophrasti	4
Venice Mallow	Hibiscus trionum	2
Waterhemps		
Common	Amaranthus rudis	2
Tall	Amaranthus tuberculatus	2

⁽¹⁾Sipcam Flumioxazin 4 SC tank mixes will control the above ground portion of field bindweed. Repeated applications will be needed to control regrowth.

CARRIER VOLUME AND SPRAY PRESSURE

Hooded, Shielded and Layby Application

To ensure thorough coverage in hooded, shielded and layby applications, use 15 to 30 gallons spray solution per treated acre. Use 20 to 30 gallons per treated acre under heavy weed pressure. Nozzle selection must meet manufacturer's gallonage and pressure specifications for application method being used. **DO NOT** use "Flood Jet" nozzles, as they tend to increase the chance of crop injury.

ADDITIVES

Hooded, Shielded and Layby Application

Weed control from hooded, shielded or layby application of this product in cotton requires the addition of an agronomically approved non-ionic surfactant to the spray mixture. Non-ionic surfactant must contain at least 80% active ingredient. Verify mixing compatibility qualities by a jar test. The use of crop oil concentrates, methylated seed oils, organo-silicant surfactants or products containing these ingredients, may result in severe crop injury.

APPLICATION EQUIPMENT

Apply Sipcam Flumioxazin 4 SC tank mixes, with ground equipment using standard commercial sprayers equipped with nozzles designed to deliver the desired spray pressure and spray volume. Application equipment must be clean and in good repair. Nozzles must meet manufacturer's guidelines for spray pattern and placement on spray boom and must be checked frequently for accuracy.

TIMING TO COTTON

Hooded and Shielded Application

Sipcam Flumioxazin 4 SC tank mixes may be applied with a hooded or shielded sprayer after cotton has reached a minimum of 6 inches in height. All nozzles must be under the hood or behind the shield to ensure no spray solution comes in contact with the cotton. Care must be taken to ensure the spray solution or drift does not come in contact with the cotton or severe crop injury can occur.

Layby Application

Layby application of Sipcam Flumioxazin 4 SC tank mixes may be made once cotton has reached a minimum of 16 inches in height. Cotton that is smaller than 16 inches in height may be injured by Sipcam Flumioxazin 4 SC applications. Sipcam Flumioxazin 4 SC application must be directed to the lower 2 inches of the cotton stem to avoid crop injury.

TIMING TO WEEDS

Sipcam Flumioxazin 4 SC tank mix application must be made to weeds within the height range given in Table 4.

TANK MIXES

This product must be tank mixed with one of the herbicides listed in Table 5 for postemergence control of the weeds listed in Table 4.

Table 5. Tank Mixes with Sipcam Flumioxazin 4 SC for Hooded, Shielded and/or Layby Use in

Cotton

TANK MIX PARTNER	TARGET WEEDS	HOODED AND SHIELDED	LAYBY
Glyphosate	Perennial Grasses and Broadleaves	X	X ⁽¹⁾
MSMA	Annual Grasses Yellow Nutsedge	X	X

⁽¹⁾For use only in cotton with the Roundup Ready gene.

DIRECTIONS FOR USE IN CUCURBIT VEGETABLES

[Not registered for use in California]

Cucurbit Vegetables (Crop Group 9) including: chayote (fruit); Chinese Waxgourd (Chinese preserving melon); citron melon; cucumber; gherkin; gourd, edible (includes hyotan, cucuzza, hechima, Chinese okra); *Momordica* spp. (includes balsam apple, balsam pear, bittermelon, Chinese cucumber); muskmelon (includes cantaloupe); pumpkin; squash, summer; squash, winter (includes butternut squash, calabaza, hubbard squash, acorn squash, spaghetti squash); watermelon

[FOR DISTRIBUTION AND USE ONLY WHERE THIRD PARTY INDEMNIFACATION IS IN EFFECT] ROW MIDDLES

Many weather-related factors, including high wind or heavy rains or cool conditions at or near crop transplanting, may result in crop injury in fields treated with this product. On occasion this has resulted in a delay in maturity. Understand and accept these risks before using this product.

Refer to Product Information section for tank mix guidance. This product, when applied according to label directions for use, will control the weeds listed in Table 7, Weeds Controlled by Residual Activity of Sipcam Flumioxazin 4 SC.

RESTRICTIONS AND LIMITATIONS

- DO NOT apply more than 4 fl. oz. (0.125 lb. Al/A) of this product per acre per application.
- **DO NOT** make more than 2 applications of this product per acre per year.
- **DO NOT** apply more than 8 fl. oz. (0.25 lb. Al/A) of this product per acre per year.
- DO NOT use with an adjuvant.
- Grow plants on raised plastic mulched beds that are higher than the treated row middle.
- Spray must be directed to the row middle, away from the crop bed and with minimal contact with plastic, including the sides of the bed. If top of mulch beds (where plants are to be transplanted) is contacted, severe injury can occur due to foliage contact with treated plastic. In this scenario, a rainfall event of 1/2 inch (natural or irrigation) must occur prior to transplanting to reduce Sipcam Flumioxazin 4 SC residues.
- Drift of treated soil particles onto plants may cause contact injury.
- Irrigate treated field after application and prior to transplanting with minimum of 1/4 inch of water if rainfall does
 not occur between application and transplanting.
- All applications must be made with hooded or shielded equipment.

TIMING TO CUCURBIT VEGETABLES

Apply this product at 4 fl. oz. (0.125 lb. Al/A) per acre as a hooded or shielded application to row middles up to 14 days prior to transplanting or seeding for preemergence control of the weeds listed in Table 7, Weeds Controlled by Residual Activity of Sipcam Flumioxazin 4 SC, as well as to assist in the postemergence control of emerged weeds. A second application of this product at 4 fl. oz. (0.125 lb. Al/A) per acre may be applied up to 21 days after transplanting or emergence if needed. **DO NOT** apply during or after bloom.

TIMING TO WEEDS

This product may be used for residual weed control, as well as to assist in postemergence burndown of many annual and perennial weeds in row middles. A registered preemergence grass herbicide may be added for control of additional grassy weeds. For assisting in the control of emerged weeds, tank mix this product with paraquat, carfentrazone-ethyl or other registered burndown herbicide. **DO NOT** tank mix with glyphosate after transplanting. Refer to tank mix partner's label for rates and directions for use.

Dried cultivars of bean (Lupinus); bean (Phaseolus) (includes field bean, kidney bean, lima bean (dry), navy bean, pinto bean, tepary bean); bean (Vigna) (includes adzuki bean, blackeyed pea, catjang, cowpea, crowder pea, moth bean, mung bean, rice bean, southern pea, urd bean); broad bean (dry); chickpea (garbanzo bean); guar; lablab bean and lentil.

<u>WEED SUPPRESSION IN DRY BEANS AND WEED CONTROL IN CHICKPEAS (GARBANZO BEANS)</u>
[Arizona, California, Colorado, Hawaii, Idaho, Montana, Nebraska, Oregon and Washington only]

RESTRICTIONS AND LIMITATIONS

- For Chickpeas, **DO NOT** apply more than 2 fl. oz. (0.063 lb. Al/A) of this product per acre per application. For all other Dry Beans, **DO NOT** apply more than 1.5 fl. oz. (0.047 lb. Al/A) of this product per acre per application.
- **DO NOT** make more than 1 application of this product per acre per year.
- For Chickpeas, **DO NOT** apply more than 2 fl. oz. (0.063 lb. Al/A) of this product per acre per year. For all other Dry Beans, **DO NOT** apply more than 1.5 fl. oz. (0.047 lb. Al/A) of this product per acre per year.

Many weather-related factors, including high wind, splashing or heavy rains or cool conditions at or near crop emergence, may result in dry bean injury in fields treated with this product. On occasion this has resulted in a delay in maturity. Understand and accept these risks before using this product.

TIMING TO DRY BEANS AND CHICKPEAS

This product may be applied to dry beans within 2 days after planting for the preemergence suppression of the weeds listed in Table 1, Broadleaf Weeds Controlled by Residual Activity of Sipcam Flumioxazin 4 SC or Table 8, Weeds Suppressed by Residual Activity of Sipcam Flumioxazin 4 SC. Tank mix this product with other labeled herbicides for broad spectrum weed control.

TIMING TO WEEDS

This product may be applied to dry beans prior to planting or preemergence (after planting). Preemergence application of this product must be made within 2 days after planting and prior to dry bean emergence. To avoid severe crop injury, do not apply to dry beans after beans begin to crack or have emerged.

Preplant incorporation (PPI) applications may result in reduced weed control.

ADDITIONAL RESIDUAL GRASS CONTROL

This product can be tank mixed with pendimethalin for additional grass control.

HARVEST AID [All states]

RESTRICTIONS AND LIMITATIONS

- **Do not** apply more than 3 fl. oz. (0.094 lb. Al/A) of this product per acre per application.
- **Do not** make more than 1 application of this product per acre per year.
- **Do not** apply more than 3 fl. oz. (0.094 lb. Al/A) of this product per acre per year.
- Do not harvest within 5 days of application.

Desiccation from this product requires the addition of an agronomically approved adjuvant to the spray mixture. Use a methylated seed oil which contains at least 15% emulsifiers and 80% oil at 2% v/v. A spray grade nitrogen source (either ammonium sulfate at 2 to 2.5 lbs./A or a 28 to 32% nitrogen solution at 1 to 2 qt./A) may be added to the spray mixture along with either a crop oil concentrate or methylated seed oil to enhance desiccation. The addition of a nitrogen source does not replace the need for a crop oil concentrate or a methylated seed oil. Tank mixing this product with glyphosate or paraquat will increase control of emerged weeds and aid in harvest. Add a burndown tank mix partner for the control of emerged weeds labeled for dry bean in accordance with the most restrictive labeled limitations and precautions.

TIMING TO DRY BEANS AND CHICKPEAS

Apply when crop is mature and at least 80% of the pods are yellowing and mostly ripe with no more than 40%

(bush type beans) or 30% (vine type beans) of the leaves still green in color. Dry beans can be harvested 5 days after application. To ensure thorough coverage use 15 to 30 gallons spray solution per acre. Nozzle selection must meet manufacturer's gallonage and pressure guidelines for postemergence application.

DIRECTIONS FOR USE IN FIELD CORN

[For Use in Arizona, California and Hawaii Only]

RESTRICTIONS AND LIMITATIONS

- Use only on no-till or minimum tillage fields where last years crop residue has not been incorporated into the soil.
- Corn must be planted between 14 and 30 days after application unless the application is made as part of a Fall burndown program.
- Corn can be planted 7 days after an application of 2 fl. oz./A (0.063 lb. Al/A) if a minimum of 25% of the soil surface is covered with the residue of the preceding crop and a minimum of 1/4 inch of rainfall has occurred between application and planting.
- **Do not** apply more than 3 fl. oz. (0.094 lb. Al/A) of this product per acre per application.
- **Do not** make more than 1 application of this product per acre per year.
- **Do not** apply more than 3 fl. oz. (0.094 lb. Al/A) of this product per acre per year.
- **Do not** irrigate between emergence and 2-leaf corn.
- Do not use on popcorn, sweet corn or corn grown for seed.

TIMING TO FIELD CORN

- Apply this product, at 2 to 3 fl. oz./A (0.063 lb. Al/A-0.094 lb. Al/A), between 7 and 30 days prior to planting field corn for the preemergence control of the weeds listed in Table 1, Broadleaf Weeds Controlled by Residual Activity of Sipcam Flumioxazin 4 SC.
- Apply this product at 2 fl. oz./A (0.063 lb. Al/A) between 7 and 30 days prior to planting field corn if a minimum
 of 25% of the soil surface is covered with the residue of the preceding crop and a minimum of 1/4 inch of
 rainfall has occurred between application and planting.
- Apply this product at 3 fl. oz./A (0.094 lb. Al/A) between 14 and 30 days prior to planting field corn.

Burndown Use Directions – For Preplant Applications in Field Corn

This product, applied as part of a burndown program, may be used for residual weed control, as well as to assist in postemergence burndown of many weeds where field corn will be planted directly into the residue of the previous year. See Directions for Use in Fall and Spring Preplant Burndown and Fallow Seedbed Programs in Field Corn, Peanut and Soybean for rates and timing of applications. For control of emerged weeds, this product must be applied with an appropriate burndown tank mix partner listed in Table 6. To ensure thorough coverage, use a minimum of 15 gallons of spray solution per acre. Refer to tank mix partner's label for application pressures and adjuvant systems.

INCREASING SPEED OF GLYPHOSATE BURNDOWN ACTIVITY

This product, at 1 fl. oz./A (0.031 lb. Al/A), may be tank mixed with glyphosate to increase the speed of burndown activity compared to glyphosate applied alone. Residual weed control will not be provided at rates lower than 2 fl. oz./A (0.063 lb. Al/A); however, suppression of the weeds in Table 2 may occur at Sipcam Flumioxazin 4 SC rates as low as 1 fl. oz./A (0.031 lb. Al/A). Applications of this product at 1 fl. oz./A (0.031 lb. Al/A) must be made a minimum of 14 days prior to planting field corn.

TANK MIXES

This product may be tank mixed with the herbicides listed in Table 6 for pre-plant burndown applications. Refer to tank mix partner's label for adjuvants.

Table 6. Tank Mix Partners for Burndown and/or Residual Control of Weeds in Field Corn

	TANK MIX PARTNERS ¹	
2,4-D LVE	atrazine	thifensulfuron + rimsulfuron
dicamba	tribenuron-methyl	glyphosate
clopyralid + flumetsulam	metribuzin	paraquat
flumetsulam	rimsulfuron	simazine
dicamba dimethylamine salt + 2,4-D		

¹ Refer to tank mix product labels for specific application directions for use.

TANK MIX RESTRICTIONS

Tank mixes with flufenacet, metolachlor or s-metolachlor, dimethenamid or dimethenamid-p, or acetochlor may result in injury to field corn when application is followed by prolonged periods of cool, wet weather.

DIRECTIONS FOR USE IN FIELD PEAS

WEED CONTROL

[For Use in Idaho, Montana, Oregon and Washington only.] [Not registered for use in California]

RESTRICTIONS AND LIMITATIONS

- **DO NOT** apply more than 2 fl. oz. (0.063 lb. Al/A) of this product per acre per application.
- **DO NOT** make more than 1 application of this product per acre per year.
- DO NOT apply more than 2 fl. oz. (0.063 lb. Al/A) of this product per acre per year.

Many weather-related factors, including high wind, splashing or heavy rains or cool conditions at or near crop emergence, may result in pea injury in fields treated with this product. On occasion, this has resulted in a delay in maturity. Understand and accept these risks before using Sipcam Flumioxazin 4 SC.

TIMING TO FIELD PEAS

This product may be applied to field peas within 2 days after planting for the preemergence control of the weeds listed in Table 1, Broadleaf Weeds Controlled by Residual Activity of Sipcam Flumioxazin 4 SC or Table 8, Weeds Suppressed by Residual Activity of Sipcam Flumioxazin 4 SC. Tank mix this product with other labeled herbicides for broad spectrum weed control.

TIMING TO WEEDS

This product may be applied to field peas prior to planting or preemergence (after planting). Preemergence application of this product must be made within 2 days after planting and prior to field pea emergence. To avoid severe crop injury, do not apply to field peas after peas begin to crack or have emerged.

Preplant incorporation (PPI) applications may result in reduced weed control.

ADDITIONAL RESIDUAL GRASS CONTROL

This product can be tank mixed with pendimethalin for additional grass control.

HARVEST AID

[All states]

RESTRICTIONS AND LIMITATIONS

- **DO NOT** apply more than 3 fl. oz. (0.094 lb. Al/A) of this product per acre per application.
- DO NOT make more than 1 application of this product per acre per year.
- DO NOT apply more than 3 fl. oz. (0.094 lb. Al/A) of this product per acre per year.
- **DO NOT** harvest within 5 days of application.

Desiccation from this product requires the addition of an agronomically approved adjuvant to the spray mixture. Use a methylated seed oil which contains at least 15% emulsifiers and 80% oil at 1 qt./A. A spray grade nitrogen source (either ammonium sulfate at 2 to 2.5 lbs./A or a 28 to 32% nitrogen solution at 1 to 2 qt./A) may be added to the spray mixture along with methylated seed oil to enhance desiccation. The addition of a nitrogen source does not replace the need for methylated seed oil. Tank mixing this product with glyphosate will increase control of emerged weeds and aid in harvest.

TIMING TO FIELD PEAS

Apply this product at 1.5 to 2 fl. oz./A (0.047 lb. Al/A-0.063 lb. Al/A), when crop is physiologically mature and a minimum of 80% of the pods are yellow to tan in color and 20% are yellow in color. If field peas are treated too early, a reduction in seed quality may occur. **DO NOT** spray this product on any area of the field with a significant amount of plants with green color. Peas can be harvested 5 days after application.

To ensure thorough coverage, use 15 to 30 gallons of spray solution per acre and select nozzle type using manufacturer's gallonage and pressure guidelines for postemergence application.

DIRECTIONS FOR USE IN FLAX

[Not registered for use in California]

HARVEST AID RESTRICTIONS AND LIMITATIONS

- **DO NOT** apply more than 3 fl. oz. (0.094 lb. Al/A) of this product per acre per application.
- **DO NOT** make more than 2 applications of this product per acre per year at the 1.5 fl. oz. (0.047 lb. Al/A) rate.
- **DO NOT** apply more than 3 fl. oz. (0.094 lb. Al/A) of this product per acre per year.
- DO NOT harvest within 5 days of application.

Desiccation from this product requires the addition of an agronomically approved adjuvant to the spray mixture. Use a methylated seed oil which contains at least 15% emulsifiers and 80% oil at 1 qt./A. A spray grade nitrogen source (either ammonium sulfate at 2 to 2.5 lbs./A or a 28 to 32% nitrogen solution at 1 to 2 qt./A) may be added to the spray mixture along with methylated seed oil to enhance desiccation. The addition of a nitrogen source does not replace the need for methylated seed oil.

TIMING TO FLAX

Apply this product, at 1.5 to 2 fl. oz./A (0.047 lb. Al/A-0.063 lb. Al/A), when crop is physiologically mature and at least 75% of the bolls are brown in color. Flax can be harvested 5 days after application.

To ensure thorough coverage, use 15 to 30 gallons of spray solution per acre and select nozzle type using manufacturer's gallonage and pressure guidelines for postemergence application.

DIRECTIONS FOR USE IN FRUITING VEGETABLES

[Not registered for use in California]

African eggplant; Bush Tomato; Bell Pepper; Cocona; Currant Tomato; Eggplant, Garden Huckleberry; Goji Berry; Groundcherry, Martynia; Naranjilla; Okra, Pea Eggplant; Pepino; Nonbell Pepper; Roselle; Scarlet Eggplant; Sunberry; Tomatillo; Tomato; Tree Tomato; cultivars, varieties and /or hybrids of these.

[FOR DISTRIBUTION AND USE ONLY WHERE THIRD PARTY INDEMNIFACATION IS IN EFFECT] ROW MIDDLES

Many weather-related factors, including high wind or heavy rains or cool conditions at or near crop transplanting,

may result in crop injury in fields treated with this product. On occasion this has resulted in a delay in maturity. Understand and accept these risks before using this product.

RESTRICTIONS AND LIMITATIONS

- DO NOT apply more than 4 fl. oz. (0.125 lb. Al/A) of this product per acre per application.
- **DO NOT** make more than 2 applications of this product per acre per year.
- **DO NOT** apply more than 8 fl. oz. (0.25 lb. Al/A) of this product per acre per year.
- Grow plants on raised or plastic mulched beds that are higher than the treated row middle.
- Spray must be directed to the row middle, away from the crop bed and with minimal contact with plastic, including the sides of the bed. If top of mulch beds (where plants are to be transplanted) is contacted, severe injury can occur due to foliage contact with treated plastic. In this scenario, a rainfall event of 1/2 inch (natural or irrigation) must occur prior to transplanting to reduce Sipcam Flumioxazin 4 SC residues.
- Drift of treated soil particles onto plants may cause contact injury.
- Irrigate treated field after application and prior to transplanting with minimum of 1/4 inch of water if rainfall does not occur between application and transplanting.
- All applications must be made with hooded or shielded equipment.

TIMING TO FRUITING VEGETABLES

Apply this product at 4 fl. oz. (0.125 lb. Al/A) per acre as a hooded or shielded application to row middles up to 14 days prior to transplanting or seeding for preemergence control of the weeds listed in Table 7, Weeds Controlled by Residual Activity of Sipcam Flumioxazin 4 SC, as well as to assist in the postemergence control of emerged weeds. A second application of this product at 4 fl. oz. (0.125 lb. Al/A) per acre may be applied up to 21 days after transplanting or emergence if needed. **DO NOT** apply during or after bloom.

TIMING TO WEEDS

This product may be used for residual weed control, as well as to assist in postemergence burndown of many annual and perennial weeds in row middles. A registered preemergence grass herbicide may be added for control of additional grassy weeds. For assisting in the control of emerged weeds, tank mix this product with paraquat, carfentrazone-ethyl or other registered burndown herbicide. **DO NOT** tank mix with glyphosate after transplanting or crop emergence. Refer to tank mix partner's label for rates and application parameters.

DIRECTIONS FOR USE IN GARLIC

RESTRICTIONS AND LIMITATIONS

- **DO NOT** apply more than 6 fl. oz. (0.188 lb. Al/A) of this product per acre per application.
- DO NOT make more than 1 application of this product per acre per year.
- DO NOT apply more than 6 fl. oz. (0.188 lb. Al/A) of this product per acre per year.

TIMING TO GARLIC

This product may be applied, at 6 fl. oz./A (0.188 lb. Al/A), to garlic prior to garlic emergence. Make application within 3 days after planting garlic.

TIMING TO WEEDS

Preemergence - Preemergence to Weeds

Apply this product to weed free garlic for preemergence control of the weeds listed in Table 10, Weeds Controlled by Preemergence Application of Sipcam Flumioxazin 4 SC.

DIRECTIONS FOR USE IN HOPS

[Not for Use in California and New York]

RESTRICTIONS AND LIMITATIONS

• **DO NOT** apply more than 6 fl. oz. (0.188 lb. Al/A) of this product per acre per application.

- **DO NOT** make more than 1 application of this product per acre per year.
- **DO NOT** apply more than 6 fl. oz. (0.188 lb. Al/A) of this product per acre per year.
- DO NOT allow spray to contact green stem (unless used for sucker control), foliage, flowers or cones or unacceptable injury may occur.
- DO NOT apply within 30 days of harvest.
- DO NOT use with an adjuvant.

This product can be used in hops for preemergence weed control as well as sucker control.

TIMING TO HOPS FOR SUCKER CONTROL

Apply this product at 6 fl. oz./A (0.188 lb. Al/A) as a directed application after hops have reached a minimum of 6 feet in height for sucker control. Direct application to the lower 2 feet of the hops.

TIMING TO HOPS FOR PREEMERGENCE WEED CONTROL

Apply this product at 6 fl. oz./A (0.188 lb. Al/A) as a 1-to-1.5-foot band to each side of the hop row, to dormant hops November thru February to ensure time for rain incorporation and activation. If weeds are emerged at the time of application, tank mix this product with a labeled burndown herbicide including paraquat or glyphosate to assist with control of emerged weeds. Do not mow or rake over treated areas, as dust created by mowing may drift onto sensitive crops or vegetation resulting in injury.

TIMING TO WEEDS

Sipcam Flumioxazin 4 SC applications must be made prior to weed emergence for control of weeds listed in Table 10, Weeds Controlled by Preemergence Application of Sipcam Flumioxazin 4 SC.

Refer to Product Information section for tank mix guidance. This product, when applied according to label directions for use, will control the weeds listed in Table 10, Weeds Controlled by Preemergence Application of Sipcam Flumioxazin 4 SC.

DIRECTIONS FOR USE IN LENTILS

[Not registered for use in California]

HARVEST AID

RESTRICTIONS AND LIMITATIONS

- **DO NOT** apply more than 3 fl. oz. (0.094 lb. Al/A) of this product per acre per application.
- **DO NOT** make more than 1 application of this product per acre per year.
- **DO NOT** apply more than 3 fl. oz. (0.094 lb. Al/A) of this product per acre per year.
- **DO NOT** harvest within 5 days of application.

Desiccation from this product requires the addition of an agronomically approved adjuvant to the spray mixture. Use a methylated seed oil which contains at least 15% emulsifiers and 80% oil at 1 qt./A. A spray grade nitrogen source (either ammonium sulfate at 2 to 2.5 lbs./A or a 28 to 32% nitrogen solution at 1 to 2 qt./A) may be added to the spray mixture along with methylated seed oil to enhance desiccation. The addition of a nitrogen source does not replace the need for methylated seed oil. Tank mixing this product with glyphosate or paraquat will increase control of emerged weeds and aid in harvest.

TIMING TO LENTILS

Apply this product, at 1.5 to 2 fl. oz./A (0.047 lb. Al/A-0.063 lb. Al/A), when crop is physiologically mature and a minimum of 80% of the pods are yellow to tan in color and 20% are yellow in color. If lentils are treated too early, a reduction in seed quality may occur. Do not spray this product on any area of the field with a significant amount of plants with green color. Lentils can be harvested 5 days after application.

To ensure thorough coverage, use 15 to 30 gallons of spray solution per acre and select nozzle type using manufacturer's gallonage and pressure guidelines for postemergence application.

DIRECTIONS FOR USE IN MINT

(Peppermint and Spearmint)

RESTRICTIONS

- DO NOT apply more than 4 fl. oz. (0.125 lb. Al/A) of this product per acre per application.
- DO NOT make more than 2 applications of this product per acre per year.
- **DO NOT** apply more than 8 fl. oz. (0.25 lb. Al/A) of this product per acre per year.
- **DO NOT** make a sequential Sipcam Flumioxazin 4 SC application within 60 days of the first Sipcam Flumioxazin 4 SC application.
- Apply only to dormant mint. Application to non-dormant mint may result in unacceptable crop injury.
- DO NOT apply within 80 days of harvest.

PRECAUTIONS

To avoid crop injury:

- Application to stands established longer than 3 years may result in crop injury.
- Applications to stands with weak, thin, or damaged roots or rhizomes may result in crop injury.
- Application to mint in Southern Union County (south of Ladd Canyon) or Baker County in Oregon may result in unacceptable cropinjury.
- Use only on established meadowmint.
- Applications to mint that has been weakened by diseases, insects (example mint root borer), nematodes, drought, soil salts, high soil pH, previous pesticides, winter injury or double cutting, may result in severe injury.
 Apply only to healthy vigorous mint with undamaged rhizomes.

Many weather-related factors, including high wind, splashing or heavy rains or cool conditions at or near mint emergence, may result in mint injury in fields treated with this product. Understand and accept these risks before using this product.

Tank mixes with labeled rates of paraguat are advised to control emerged weeds and increase crop safety.

TIMING TO MINT

As a spray, this product may be applied only to established, dormant mint for preemergence control of the weeds listed in Table 7 as well as to assist in the postemergence control of emerged weeds. Application to non-dormant mint or to baby (row) mint (time from planting of mint roots through the first cutting), may result in unacceptable crop injury. As a bulk fertilizer application, this product may be applied at least 80 days prior to harvest. Leaves must be dry at the time of applications or severe injury may occur.

TIMING TO WEEDS

Burndown - Dormant Mint, Postemergence to Weeds

This product may be used for residual weed control, as well as to assist in postemergence burndown of many annual and perennial weeds where established mint is dormant. For control of emerged weeds, tank mix this product with paraquat. Refer to paraquat label for rates and directions for use. To ensure thorough coverage, use a minimum of 15 gallons of spray solution per acre. Sipcam Flumioxazin 4 SC tank mixes applied to assist in the control of emerged weeds must be applied with a non-ionic surfactant at 0.25% v/v. A spray grade nitrogen source (either ammonium sulfate at 2 to 2.5 lbs./A or 28 to 32% nitrogen solution at 1 to 2 qt./A) may be added to increase herbicidal activity.

Preemergence - Dormant Mint, Preemergence to Weeds

Apply this product to dormant mint for the preemergence control of weeds listed in Table 7. Fall applications of Sipcam Flumioxazin 4 SC followed by a sequential application in the Spring, have resulted in better Summer annual weed control than a single Fall or single Spring application.

Fall application is most effective for Fall germinating weeds; for example, groundsel. Fields plowed or harrowed after a Sipcam Flumioxazin 4 SC application will result in less effective preemergence activity. In furrow irrigated fields, corrugating that is done after a Sipcam Flumioxazin 4 SC application will expose untreated soil and break

the herbicide barrier resulting in poor weed control.

Table 7. Weeds Controlled by Residual Activity of Sipcam Flumioxazin 4 SC

COMMON NAME	SCIENTIFIC NAME	ORGANIC MATTER	SOIL TYPE	APPLICATION RATE	
Bristly Starbur	Acanthospermum hispidum	Up to 5%	Up to 5% All Soil 4 oz./A		
Carpetweed	Mollugo verticillata	Types	(0.125 lb. Al/A)		
Chickweeds					
Common	Stellaria media				
Mouseear	Cerastium vulgatum				
Coffee Senna	Cassia occidentalis				
Copperleaf, Hophornbeam	Acalypha ostryifolia				
Dandelion	Taraxacum officinale				
Dodder (suppression only)[*] ⁽¹⁾	Cuscuta spp.				
Eclipta	Eclipta prostrate				
Evening-primrose, Cutleaf	Oenothera laciniata				
False Chamomile[*]	Tripleurospermum maritima				
Fiddleneck, Coast[*]	Amsinckia menziesii				
Field Pennycress[*]	Thlaspi arvense				
Fleabane, Hairy[*]	Conyza bonariensis				
Flixweed[*]	Descurainia spophia				
Florida Beggarweed	Desmodium tortuosum				
Florida Pusley	Richardia scabra				
Golden Crownbeard	Verbesina encelioides				
Groundsel, Common	Senecio vulgaris				
Hairy Indigo	Indigofera hirsuta				
Hemp Sesbania	Sesbania exaltata				
Henbit	Lamium amplexicaule				
Jimsonweed	Datura stramonium				
Kochia	Kochia scoparia				
Lambsquarters, Common	Chenopodium albsum				
Little Mallow	Malva parviflora				
London Rocket[*]	Sisymbrium irio				
Marestail/Horseweed	Conyza Canadensis				
Mayweed/False Chamomile[*]	Matricaria maritima				
Morningglories					
Entireleaf	Ipomoea hederacea var.				
	integriuscula				
lvyleaf	Ipomoea hederacea				
Red/Scarlet	Ipomoea coccinea				
Smallflower	Jacquemontia tamnifolia				
Tall	Ipomoea purpurea				

[*Not registered for use in California.]

continued

⁽¹⁾ Sipcam Flumioxazin 4 SC at 4 fl. oz./A (0.125 lb. Al/A) will provide postemergence dodder suppression when applied in combination with imazethapyr or imazamox at labeled rates. Imazethapyr or imazamox products require the use of NIS, which will result in burn and stunting of alfalfa. Understand and accept these risks before tank mixing with this product.

Table 7. Weeds Controlled by Residual Activity of Sipcam Flumioxazin 4 SC (continued)

COMMON NAME	SCIENTIFIC NAME	ORGANIC	SOIL TYPE	APPLICATION
		MATTER	4	RATE
Mustard		Up to 5%	All Soil Types	4 fl oz/A
Tansy[*]	Descurainia pinnata	4		(0.125 lb. Al/A)
Tumble[*]	Sisymbrium altissimum	_		
Wild	Brassica kaber	_		
Nettle, Burning[*]	Urtica urens	_		
Nightshades		_		
Black	Solanum nigrum	4		
Eastern Black	Solanum ptycanthum	_		
Hairy	Solanum sarrachoides	4		
Pigweeds		_		
Palmer Amaranth	Amaranthus palmeri	_		
Redroot	Amaranthus retroflexus	_		
Smooth	Amaranthus hybridus	_		
Spiny Amaranth	Amaranthus spinosus	_		
Tumble	Amaranthus albsus	_		
Prickly Lettuce (China Lettuce)				
Prickly Sida (Teaweed)	Sida spinosa			
Puncturevine	Tribulus terrestris			
Purslane				
Common	Portulaca oleracea			
Horse[*]	Trianthema portulacastrum			
Radish, Wild	Raphanus raphanistrum			
Ragweed, Common	Ambrosia artemisiifolia			
Redmaids	Calandrinia ciliata var.			
	menziesii			
Russian Thistle	Salsola iberica			
Shepherd's-purse	Capsella bursa-pastoris	_		
Smartweeds		_		
Ladysthumb	Polygonum persicaria	_		
Pennsylvania	Polygonum pensylvanicum			
Smellmelon[*]	Cucumis melo			
Sowthistle, Prickly[*]	Sonchus asper			
Spotted Spurge	Euphorbia maculata			
Spurred Anoda	Anoda cristata			
Tropic Croton	Croton glandulosus			
Velvetleaf	Abutilon theophrasti			
Venice Mallow	Hibiscus trionum			
Waterhemps		_		
Common	Amaranthus rudis	_		
Tall	Amaranthus tuberculatus	_		
White Cockle[*]	Silene latifolia			
Wild Poinsettia	Euphorbia heterophylla	7		
Wormwood, Biennial	Artemisia biennis			
Yellow Rocket[*]	Barbarea vulgaris	7		

[*Not registered for use in California.]

GRASS WEED SPECIES			
Barnyardgrass	Echinochloa crus-galli	Up to 5% All Soil Types	4 oz./A
Bluegrass, Annual	Poa annua		(0.125 lb.
Crabgrass, Large	Digitaria sanguinalis		Al/A)
Foxtail, Giant	Setaria faberi		
Goosegrass	Eleusine indica		
Lovegrass, California	Eragrostis diffusa		
Panicums			
Fall	Panicum dichotomiflorum		
Texas	Panicum texanum		
Ryegrass, Italian[*]	Lolium multiflorum	7	
Signalgrass, Broadleaf	Brachiaria platyphylla		

[*Not registered for use in California.]

DIRECTIONS FOR USE IN ONION (DRY BULBS)

[For Use in Michigan, New York, North Dakota and Wisconsin Only]

RESTRICTIONS AND LIMITATIONS

- DO NOT apply more than 2 fl. oz. (0.063 lb. Al/A) of this product per acre per application.
- **DO NOT** make more than 6 applications of this product per acre per year at the 0.5 fl. oz. (0.016 lb. Al/A) rate.
- DO NOT apply more than 3 fl. oz. (0.094 lb. Al/A) of this product per acre per year.
- DO NOT make sequential application within 14 days of the first application.
- **DO NOT** apply more than 1 fl. oz. (0.031 lb. Al/A) of this product per year on soils that contain greater than 90% sand plus gravel.
- DO NOT apply as part of a tank mix, other than with pendimethalin, or unacceptable injury may result. DO NOT
 tank mix other formulations of pendimethalin with this product for use in onions.
- DO NOT apply with any type of adjuvant.
- DO NOT apply within 45 days of harvest.

Use of this product may result in necrotic spotting of onion leaves that come in contact with the spray. Understand and accept this risk before using this product.

[Microrate Application]

[Sequential applications of this product may be applied to onions (dry bulbs), between the 2-leaf and 6- leaf stage, at rates of 0.5 to 1 fl. oz./A (0.016 lb. Al/A-0.031 lb. Al/A), on a 7-day interval.]

TIMING TO ONIONS (dry bulbs)

Apply this product to transplanted onions (dry bulbs) between the 2-leaf and 6-leaf stage and on direct seed onions (dry bulbs)7-day between the 3-leaf and 6-leaf stage.

TIMING TO WEEDS

Preemergence - Emerged Onions (dry bulbs), Preemergence to Weeds

Apply this product to weed free onions (dry bulbs) for preemergence control of the weeds listed in Table 1, Section A, Broadleaf Weeds Controlled by Residual Activity to Sipcam Flumioxazin 4 SC.

DIRECTIONS FOR USE IN PEANUT

[Not registered for use in California]

RESTRICTIONS AND LIMITATIONS

- DO NOT apply more than 3 fl. oz. (0.094 lb. Al/A) of this product per acre per application.
- **DO NOT** apply more than 1 application of this product per acre per year.

- DO NOT apply more than 3 fl. oz. (0.094 lb. Al/A) of this product per acre per year.
- DO NOT irrigate when peanuts are cracking.
- DO NOT graze treated fields or feed treated hay to livestock.

Many weather-related factors, including high wind, splashing or heavy rains or cool conditions at or near peanut emergence, may result in peanut injury in fields treated with this product. On occasion this has resulted in a delay in maturity or even a slight decrease in yield.

WIND MANAGEMENT

In areas where shallow cultivation is used between rows to reduce wind-borne sand damage to peanuts, weed control from this product may be reduced.

TIMING TO PEANUTS

This product may be applied to peanuts prior to planting or preemergence (after planting). Preemergence applications of this product must be made within 2 days after planting and prior to peanut emergence. Application after the peanuts have begun to crack, or are emerged, will result in severe crop injury. Apply before peanuts have begun to crack. Select Sipcam Flumioxazin 4 SC rate from Table 1 according to anticipated weed spectrum.

TIMING TO WEEDS

Burndown – Preemergence to Peanuts, Postemergence to Weeds

This product, applied as part of a burndown program, may be used for residual weed control, as well as to assist in postemergence burndown of many annual and perennial weeds where peanuts will be planted directly into a stale seedbed, cover crop or in previous crop residues. Apply this product before planting, during planting or after planting, but before the crop emerges. For control of emerged weeds, tank mix this product with glyphosate. Refer to glyphosate label for rates and application pressure. To ensure thorough coverage, use a minimum of 15 gals. of spray solution per acre. Sipcam Flumioxazin 4 SC tank mixes applied to assist in the control of emerged weeds must be applied with an adjuvant, including a non-ionic surfactant at 0.25% v/v or a crop oil concentrate or a methylated seed oil at 1 to 2 pt./A. A spray grade nitrogen source (either ammonium sulfate at 2 to 2.5 lbs./A or 28 to 32% nitrogen solution at 1 to 2 qt./A) may be added to increase herbicidal activity.

Preemergence (conventional tillage) applications of this product must be applied prior to weed emergence.

ADDITIONAL RESIDUAL GRASS CONTROL: SEQUENTIAL

This product may be applied sequentially following a preplant incorporated application of trifluralin (states of New Mexico, Oklahoma and Texas only), ethalfluralin, metolachlor, pendimethalin, or dimethenamid.

ADDITIONAL RESIDUAL GRASS CONTROL: TANK MIXED

This product can be tank mixed with alachlor, metolachlor or Frontier for additional grass and broadleaf weed control. This product can also be tank mixed with pendimethalin or ethalfluralin in states where they are labeled, provided overhead irrigation guidelines on the pendimethalin and/or ethafluralin labels are followed.

DIRECTIONS FOR USE IN POTATO

[For Use in Arizona, California, Colorado, Delaware, Florida, Hawaii, Idaho, Maryland, Minnesota, Montana, Nebraska, Nevada, New Jersey, New Mexico, North Carolina, North Dakota, Oregon, South Carolina, South Dakota, Texas, Utah, Virginia, Washington, Washington DC and Wyoming only.]

RESTRICTIONS AND LIMITATIONS

- **DO NOT** apply more than 1.5 fl. oz. (0.047 lb. Al/A) of this product per acre per application.
- **DO NOT** apply more than 1 application of this product per acre per year.
- DO NOT apply more than 1.5 fl. oz. (0.047 lb. Al/A) of this product per acre per year.
- **DO NOT** apply this product to Rill (furrow) irrigated potatoes

Many weather-related factors, including high wind, splashing or heavy rains or cool conditions at or near potato

emergence, may result in potato injury in fields treated with this product. On occasion this has resulted in a delay in maturity. Understand and accept these risks before using this product.

TIMING TO POTATOES

This product may be applied to potatoes after hilling for the preemergence suppression of the weeds listed in Table 8, Weeds Suppressed by Residual Activity of Sipcam Flumioxazin 4 SC at 1.5 fl. oz. (0.047 lb. Al/A). Tank mix this product with other labeled herbicides for broad spectrum weed control. A minimum of 2 inches of settled soil must cover the vegetative portion of the potato plant at the time of Sipcam Flumioxazin 4 SC application. Application to potatoes with less than 2 inches of soil covering the vegetative portion of the potato may result in crop injury. In areas with historically higher amounts of rainfall during the time of preemergence herbicide applications, including the Red River Valley, Minnesota and North Dakota, the requirement for 2 inches of settled soil is critical to avoid crop injury. Mechanical incorporation of this product will result in decreased weed control. In areas with sprinkler irrigation, incorporate this product with 1/4 to 3/4 inches of irrigation, after application and before any sprouts are within 2 inches of the settled soil surface if a rainfall event has not yet occurred.

TIMING TO WEEDS

Preemergence - Soil Covered Potatoes, Preemergence to Weeds

Apply this product to soil covered potatoes for the preemergence suppression of the weeds listed in Table 8. Harrowing, cultivation or corrigating after Sipcam Flumioxazin 4 SC application will reduce weed control.

Table 8. Weeds Suppressed by Residual Activity of Sipcam Flumioxazin 4 SC at 1.5 fl. oz./A (0.047 lb. Al/A)

COMMON NAME	SCIENTIFIC NAME	ORGANIC MATTER	APPLICATION RATE
Lambsquarters, Common	Chenopodium albsum		
Mustard, Wild	Brassica kaber		
Nightshades]	
Black	Solanum nigrum]	
Eastern Black	Solanum ptycanthum		
Hairy	Solanum sarrachoides		
Pigweeds		115 to 50/	1 F /A (O O 17 lb A 1/A)
Palmer Amaranth	Amaranthus palmeri	Up to 5%	1.5 oz./A (0.047 lb. Al/A)
Redroot	Amaranthus retroflexus		
Smooth	Amaranthus hybridus		
Spiny Amaranth	Amaranthus spinosus		
Tumble	Amaranthus albsus		
Prickly Lettuce (China Lettuce)	Lactuca serriola		
Radish, Wild	Raphanus raphanistrum		

DIRECTIONS FOR USE IN SOYBEAN

[Not registered for use in California]

RESTRICTIONS AND LIMITATIONS

- **DO NOT** apply more than 3 fl. oz. (0.094 lb. Al/A) of this product per acre per application.
- DO NOT apply more than 1 application of this product per acre per year.
- **DO NOT** apply more than 3 fl. oz. (0.094 lb. Al/A) of this product per acre per year.
- Graze treated fields or feed treated hay to livestock no sooner than 21 days after application.

PRECAUTIONS

- If this product is tank mixed with flufenacet, metolachlor or dimethenamid and applied within 14 days of planting soybeans, plant under no-till or minimum tillage conditions on wheat stubble or field corn stubble.
- Irrigation when soybeans are cracking may result in severe injury.

TIMING TO SOYBEANS

This product may be applied to soybeans prior to planting or preemergence (after planting). Preemergence application of this product must be made within 3 days after planting and prior to soybean emergence. Application after the soybeans have begun to crack, or are emerged, will result in severe crop injury. Apply before soybeans have begun to crack. Select Sipcam Flumioxazin 4 SC rate from Table 1 according to anticipated weed spectrum.

TIMING TO WEEDS

Burndown - Preemergence to Soybeans, Postemergence to Weeds

This product, applied as part of a burndown program, may be used for residual weed control, as well as to assist in postemergence burndown of many annual and perennial weeds where soybeans will be planted directly into a stale seedbed, cover crop or in previous crop residues. For control of emerged weeds, choose the most appropriate tank mix partner from Table 9. Apply this product with ground equipment before planting, during planting or within 3 days after planting, but before the crop emerges. To ensure thorough coverage, use a minimum of 15 gallons of spray solution per acre. Refer to tank mix partner's label for rates and application pressures. All Sipcam Flumioxazin 4 SC tank mixes applied to assist in the control of emerged weeds must be applied with crop oil concentrate or methylated seed oil at 1 to 2 pt./A or a non-ionic surfactant at 0.25% v/v.

INCREASING SPEED OF GLYPHOSATE BURNDOWN ACTIVITY

This product, at rates as low as 1 fl. oz./A (0.031 lb. Al/A), may be tank mixed with glyphosate to increase the speed of burndown activity compared to glyphosate applied alone. Residual weed control will not be provided at rates lower than 2 fl. oz./A (0.063 lb. Al/A); however, suppression of the weeds in Table 2, may occur at Sipcam Flumioxazin 4 SC rates as low as 1 fl. oz./A (0.031 lb. Al/A).

TANK MIXES

This product may be tank mixed with the herbicides listed in Table 9 for increased burndown activity, additional residual broadleaf and/or additional grass control. Refer to tank mix partner's label for adjuvant directions.

Table 9. Tank Mix Partners for Control of Emerged Weeds in Reduced Tillage Soybeans

TANK MIX PARTNER	TARGET WEEDS ⁽¹⁾
2,4-D LVE	Marestail, Giant Ragweed, Dandelion
Paraquat	Annual Grasses, Henbit
Glyphosate	General Burndown
Clethodim	Annual Grasses
Imazaquin	Cocklebur, Common Sunflower
Dicamba dimethylamine salt	Marestail, Giant Ragweed, Dandelion
+ 2,4-D dimethylamine salt	

⁽¹⁾Refer to tank mix product labels for specific directions for control of emerged weeds present.

ADDITIONAL RESIDUAL BROADLEAF CONTROL

This product can be tank mixed with metribuzin, cloransulam-methyl, linuron, imazethapyr, flumetsulam, or imazaquin for additional broadleaf control.

ADDITIONAL RESIDUAL GRASS CONTROL

This product can be tank mixed with pendimethalin or clomazone for additional grass control. [In the states of **{Note to EPA Reviewer: specific states will be listed here}**} This product can be tank mixed with microencapsulated acetochlor at 2 oz per acre.] [Tank mixes with flufenacet, metolachlor or dimethenamid may result in severe injury to soybeans when application is followed by prolonged periods of cool wet weather.]

ROUNDUP READY PROGRAM

This product may be applied as part of a burndown program or preemergence in conventional tillage programs, at 2 to 3 fl. oz./A (0.063 lb. Al/A-0.094 lb. Al/A) to reduce early season weed competition from waterhemp, velvetleaf, nightshade and morningglories as well as other weeds listed in Tables 2 and 3 in Roundup Ready programs. A sequential post emergence application of glyphosate will be required to control weeds not controlled by this product.

DIRECTIONS FOR USE IN STRAWBERRY

RESTRICTIONS AND LIMITATIONS

- **DO NOT** apply more than 3 fl. oz. (0.094 lb. Al/A) of this product per acre per application.
- **DO NOT** apply more than 1 application of this product per acre per year.
- **DO NOT** apply more than 3 fl. oz. (0.094 lb. Al/A) of this product per acre per year.

PRECAUTIONS

- This product, at 3 fl. oz. (0.094 lb. Al/A) per acre, can be applied to the soil a minimum of 30 days prior to transplanting strawberries provided the strawberries will be transplanted through a plastic mulch.
- This product at 3 fl. oz. (0.094 lb. Al/A) per acre can be applied to dormant (established or newly planted) strawberries for the preemergence control of the weeds listed in Table 1, Broadleaf Weeds Controlled by Residual Activity of Sipcam Flumioxazin 4 SC.
- This product, at 3 fl. oz. (0.094 lb. Al/A) per acre, can be applied in strawberry row middles with a shielded or hooded sprayer for the preemergence control of the weeds listed in Table 1, Broadleaf Weeds Controlled by Residual Activity of Sipcam Flumioxazin 4 SC.

Application Method	Minimum Time from Application to Harvest (PHI)		Acre Per	Application Instructions
Pre-transplant	Not applicable	3 (0.094 lb. Al/A)	3 (0.094 lb. Al/A)	Apply a minimum of 30 days prior to transplanting and prior to plastic mulch being laid. Apply as part of a tank mix to control emerged weeds.
Preemergence to dormant strawberries	Not applicable	3 (0.094 lb. Al/A)	3 (0.094 lb. Al/A)	Crop oil concentrate, at 1% v/v, or non-ionic surfactant, at 0.25% v/v, may be added to help control emerged broadleaf weeds.
Hooded or shielded sprayer application to row middles	DO NOT apply after fruit set	3 (0.094 lb. Al/A)	3 (0.094 lb. Al/A)	Apply only to row middles – DO NOT apply over strawberries. Apply prior to weed emergence. Crop spotting may occur if an adjuvant is added. DO NOT apply after fruit set or spotting fruit may occur. DO NOT allow spray drift to come in contact with fruit or foliage.

Table 10. Weeds Controlled by Preemergence Application of Sipcam Flumioxazin 4 SC

BROADLEAF WEED SPEC		ORGANIC		
COMMON NAME	SCIENTIFIC NAME	MATTER	SOIL TYPE	APPLICATION RATES
Bristly Starbur	Acanthospermum hispidum	Up to	All Soil	Asparagus, Caneberries,
Carpetweed	Mollugo verticillata	10% ⁽¹⁾	Types ⁽²⁾	Garlic, Hops
Chickweeds				6 oz./A (0.188 lb. Al/A)
Common	Stellaria media			2
Mouseear	Cerastium vulgatum			Sugarcane
Coffee Senna	Cassia occidentalis			6 to 8 oz./A
Dandelion	Taraxacum officinale			(0.188 lb. Al/A-0.25 lb. Al/A)
Eclipta	Eclipta prostrata			ΔΙ/Δ)
Evening primrose, Cutleaf	Oenothera laciniata			Bushberries, Cactus,
False Chamomile[*]	Tripleurospermum maritima			Citrus Fruit, Grapes,
Filaree				Olive, Pome Fruit,
Redstem	Erodium cicutarium			Pomegranate, Stone
Whitestem	Erodium moschatum			Fruit, Tree Nuts and Non
Fiddleneck, Coast[*]	Amsinckia menziesii			Bearing Fruit Trees
Fleabane, Hairy	Conyza bonariensis			6 to 12 fl. oz./A ⁽²⁾
Field Pennycress[*]	Thlaspi arvense			(0.188 lb. Al/A-0.375 lb.
Florida Beggarweed	Desmodium tortuosum			AI/A)
Florida Pusley	Richardia scabra			
Golden Crownbeard	Verbesina encelioides			To Maintain Bare Ground
Groundsel, Common	Senecio vulgaris			on Non-Crop Areas of Farms, Orchards &
Hairy Indigo	Indigofera hirsuta			Vineyards
Hemp Sesbania	Sesbania exaltata			6 to 12 fl. oz./A
Henbit	Lamium amplexicaule			(0.188 lb. Al/A-0.375 lb.
Jimsonweed	Datura stramonium			AI/A)
Kochia	Kochia scoparia			,
Lambsquarters, Common	Chenopodium albsum			
Mallow	,			
Common (Cheeseweed)	Malva neglecta			
Little	Malva parviflora			
Horseweed/Marestail	Conyza canadensis			
Mayweed/False Chamomile[*]	Matricaria maritima			
Morningglories				
Entireleaf	Ipomoea			
	hederacea var.			
	integriuscula			
lvyleaf	Ipomoea hederacea			
Red/Scarlet	Ipomoea coccinea			
Smallflower	Jacquemontia tamnifolia			
Tall	Ipomoea purpurea			

^{[*}Not registered for use in California.] continued

(1) Sipcam Flumioxazin 4 SC can be used on soils with greater than 10% organic matter; however, length of residual control may be shorter than on soils with lower organic matter content.

⁽²⁾ Use a maximum Sipcam Flumioxazin 4 SC rate of 6 fl oz/A (0.188 lb. Al/A) per application on any soil that has a sand plus gravel content over 80% if bushes, trees or vines are under 3 years of age.

Table 10. Weeds Controlled by Preemergence Application of Sipcam Flumioxazin 4 SC (continued)

COMMON NAME	SCIENTIFIC NAME	ORGANIC MATTER	SOIL TYPE	APPLICATION RATES
Mustards		Up to 10% ⁽¹⁾	All Soil	Asparagus, Caneberries,
London Rocket[*]	Sisymbrium irio	Op 10 10 70 * 7	Types(2)	Garlic, Hops 6 fl. oz./A
Tansey[*]	Desurainia pinnata	-	. , , , ,	(0.188 lb. Al/A)
Tumble	Sisymbrium altissimum	1		,
Wild	Brassica kaber	1		Sugarcane
Nettle, Burning[*]	Urtica urens			6 to 8 fl. oz./A
Nightshades				(0.188 lb. Al/A-0.25 lb.
Black	Solanum nigrum	1		Al/A)
Eastern Black	Solanum ptycanthum			Development of October
Hairy	Solanum sarrachoides	1		Bushberries, Cactus,
Pigweeds		1		Citrus Fruit, Grapes, Olive, Pome Fruit,
Palmer Amaranth	Amaranthus palmeri	1		Pomegranate, Stone
Redroot	Amaranthus retroflexus	1		Fruit, Tree Nuts and Non-
Smooth	Amaranthus hybridus	1		Bearing Fruit Trees
Spiny Amaranth	Amaranthus spinosus	1		6 to 12 fl. oz./A ⁽²⁾
Tumble	Amaranthus albsus	-		(0.188 lb. Al/A-0.375 lb.
Prickly Lettuce (China Lettuce)		1		AI/A)
Prickly Sida (Teaweed)	Sida spinosa	1		,
Puncturevine	Tribulus terrestris	-		To Maintain Bare Ground
Purslane		-		on Non-Crop Areas of
Common	Portulaca oleracea	-		Farms, Orchards &
Horse[*]	Trianthema portulacastrum	-		Vineyards
Radish, Wild	Raphanus raphanistrum	-		6 to 12 fl. oz./A
Ragweed, Common	Ambrosia artemisiifolia	-		(0.188 lb. Al/A-0.375 lb. Al/A)
Redmaids	Calandrinia ciliata var	-		Al/A)
reamaids	menziessii			
Redweed	Melochia corchorifolia	1		
Shepherd's-purse	Capsella bursa-pastoris	1		
Smellmelon[*]	Cucumis melo	1		
Sowthistle, Annual	Sonchus oleraceus	1		
Spotted Spurge	Euphorbia maculata	1		
Spurred Anoda	Anoda cristata	-		
Thistle, Russian	Salsola iberica	-		
Tropic Croton	Croton glandulosus	-		
Venice Mallow	Hibiscus trionum	-		
Waterhemps	Thorseas thoriam	1		
Common	Amaranthus rudis	-		
Tall	Amaranthus tuberculatus	1		
Wild Poinsettia	Euphorbia heterophylla	1		
White Cockle[*]	Silene latifolia	1		
Wormwood, Biennial	Artemisia beinnis	1		
Yellow Rocket[*]	Barbarea vulgaris	╡		

[*Not registered for use in California.]

continued

⁽¹⁾ Sipcam Flumioxazin 4 SC can be used on soils with greater than 10% organic matter; however, length of residual control may be shorter than on soils with lower organic matter content.

⁽²⁾Use a maximum Sipcam Flumioxazin 4 SC rate of 6 fl. oz./A (0.188 lb. Al/A) per application on any soil that has a sand plus gravel content over 80% if bushes, trees or vines are under 3 years of age.

Table 10. Weeds Controlled by Preemergence Application of Sipcam Flumioxazin 4 SC (continued)

GRASS WEED SPECIES						
COMMON NAME	SCIENTIFIC NAME	ORGANIC MATTER	SOIL TYPE	APPLICATION RATES		
Barnyardgrass	Echinochloa crus-galli	Up to 10% ⁽¹⁾	All Soil	Asparagus,		
Bluegrass, Annual	Poa annua		Types ⁽²⁾	Caneberries, Garlic,		
Crabgrass				Hops 6 fl. oz./A		
Large	Digitaria sanquinalis			(0.188 lb. Al/A)		
Smooth	Digitaria ischaemum			0		
Foxtails				Sugarcane 6 to 8 fl. oz./A		
Bristly	Setaria verticillata			(0.188 lb. Al/A-0.25 lb		
Giant	Setaria faberi			AI/A)		
Green	Setaria viridis	7		/Ai/Aj		
Yellow	Setaria glauca	7		Bushberries, Cactus,		
Goosegrass	Eleusine indica			Citrus Fruit, Grapes,		
Guineagrass	Panicum maximum	7		Olive, Pome Fruit,		
Johnsongrass, Seedling	Sorghum halepense	7		Pomegranate, Stone		
Lovegrass, California	Eragrostis diffusa	7		Fruit, Tree Nuts and		
Panicum				Non-Bearing Fruit		
Fall	Panicum	7		Trees		
	dichotomiflorum			6 to 12 fl. oz./A ⁽²⁾		
Texas	Panicum texaum			(0.188 lb. Al/A-0.375		
Ryegrass, Italian[*]	Lolium multiflorum			lb. Al/A)		
Signalgrass, Broadleaf	Brachiaria platyphylla			To Maintain Bare Ground on Non-Crop Areas of Farms, Orchards & Vineyards 6 to 12 fl. oz./A (0.188 lb. Al/A-0.375 lb. Al/A)		

[*Not registered for use in California.]

DIRECTIONS FOR USE IN SUGARCANE

[Not registered for use in California]

RESTRICTIONS AND LIMITATIONS

- **DO NOT** apply more than 8 fl. oz. (0.25 lb. Al/A) of this product per acre per application.
- DO NOT make a sequential application of this product within 14 days of the first application.
- DO NOT apply more than 4 applications of this product per acre per year at the 3 fl. oz. (0.094 lb. Al/A) rate.
- DO NOT apply more than 12 fl. oz. (0.375 lb. ai./A) of this product per acre per year.
- **DO NOT** apply this product within 90 days of harvest.

TIMING TO SUGARCANE

This product may be applied from 2 weeks prior to planting to before the sugarcane emerges, post directed or at layby. Select the proper Sipcam Flumioxazin 4 SC rate from Table 10 according to anticipated weed spectrum and soil organic matter content for preemergence applications. Select Sipcam Flumioxazin 4 SC rate from Table

⁽¹⁾ Sipcam Flumioxazin 4 SC can be used on soils with greater than 10%; however, length of residual control may be shorter than on soils with lower organic matter content.

⁽²⁾Use a maximum Sipcam Flumioxazin 4 SC rate of 6 fl. oz./A (0.188 lb. Al/A) per application on any soil that has a sand plus gravel content over 80% if bushes, trees or vines are under 3 years of age.

11 according to emerged weed spectrum and weed heights for post-directed and layby applications.

TIMING TO WEEDS

Burndown - Preemergence to Sugarcane, Postemergence to Weeds

This product may be used for preemergence control, and to assist in postemergence burndown, of many annual broadleaf weeds in sugarcane. For control of emerged weeds, choose the most appropriate tank mix partner from Table 12. Apply this product **before the crop emerges**. To ensure thorough coverage, use a minimum of 15 gallons of spray solution per acre. All Sipcam Flumioxazin 4 SC tank mixes applied to assist in the control of emerged weeds must be applied with crop oil concentrate or methylated seed oil at 1 qt/A or a non-ionic surfactant at 0.25% v/v. Some tank mix products, for example glyphosate, may be formulated with a suitable adjuvant and do not require additional adjuvant.

Preemergence - Preemergence to Sugarcane, Preemergence to Weeds

This product may be used for preemergence control of many annual broadleaf and grassy weeds in sugarcane. Select rate based on anticipated weed spectrum and soil organic matter content from Table 10. Apply this product **before the crop emerges.**

Post-Directed - Postemergence to Sugarcane, Postemergence to Weeds

Make post-directed applications to upright sugarcane varieties after the sugarcane has exceeded 24 inches in height and has begun to joint. Post-directed applications to "PINEAPPLE" varieties or to upright varieties that are less than 24 inches in height and have not begun to joint, may result in unacceptable crop injury. To ensure thorough coverage, use a minimum of 15 gals. of spray solution per acre. Post-directed applications of this product must include a crop oil concentrate or methylated seed oil at 1 qt/A or a non-ionic surfactant at 0.25% v/v. Select the proper Sipcam Flumioxazin 4 SC rate based on weed spectrum and weed height from Table 11.

Layby - Postemergence to Sugarcane, Postemergence to Weeds

Layby applications can be made to upright and "PINEAPPLE" varieties after the sugarcane has exceeded 30 inches in height and the spray solution will not contact foliage above 6 inches from the base of the sugarcane. To ensure thorough coverage, use a minimum of 15 gallons of spray solution per acre. Layby applications of this product must be applied with crop oil concentrate or methylated seed oil at 1 qt/A or a non-ionic surfactant at 0.25% v/v. Select the proper Sipcam Flumioxazin 4 SC rate based on weed spectrum and weed height from Table 11.

Table 11. Broadleaf Weeds Controlled by Post-Directed or Layby Application of Sipcam Flumioxazin 4 SC in Sugarcane

BROADLEAF WEED SPEC	CIES	WEED H	EIGHT (Inches)
COMMON NAME	SCIENTIFIC NAME	3 fl. oz./A (0.094 lb. Al/A)	4 fl. oz./A (0.125 lb. Al/A)
Bindweed, Field ⁽¹⁾	Convolvulus arvensis	4	8
Carpetweed	Mollugo verticillata	4	4
Cocklebur, Common	Xanthium strumarium	4	4
Florida Beggarweed	Desmodium tortuosum	2	2
Hemp Sesbania	Sesbania exaltata	6	8
Jimsonweed	Datura stramonium	4	4
Lambsquarters, Common	Chenopodium albsum	4	4
Morningglories			
Entireleaf	Ipomoea hederacea var. integriuscula	-	4
lvyleaf	Ipomoea hederacea	4	4
Pitted	Ipomoea lacunosa	4	6
Red	Ipomoea coccinea	-	4
Tall	Ipomoea purpurea	2	4

Sipcam Flumioxazin 4 SC tank mixes will only control the above ground portion of field bindweed. Repeated applications of this product will be needed to control regrowth.

Table 11. Broadleaf Weeds Controlled by Post-Directed or Layby Application of Sipcam Flumioxazin 4 SC in Sugarcane (continued)

BROADLEAF WEED SPECIES		WEED H	EIGHT (Inches)
COMMON NAME	SCIENTIFIC NAME	3 fl. oz./A (0.094 lb. Al/A)	4 fl. oz./A (0.125 lb. Al/A)
Mustard, Wild	Brassica kaber	6	6
Pigweeds			
Palmer Amaranth	Amaranthus palmeri	4	6
Redroot	Amaranthus retroflexus	4	6
Smooth	Amaranthus hybridus	4	6
Plaintain, Broadleaf	Plantago major	6	6
Prickly Sida	Sida spinosa	4	6
Purslanes			
Common	Portulaca oleracea	2	4
Rock	Calandrinia spp.	-	2
Ragweeds			
Common	Ambrosia artemisiifolia	2	2
Giant	Ambrosia trifida	4	4
Rice Flatsedge	Cyperus iria	2	4
Sicklepod	Senna obtusifolia	4	4
Smartweeds			
Ladysthumb	Polygonum persicaria	4	4
Pale	Polygonum lapathifolium	4	4
Pennsylvania	Polygonum pensylvanicum	4	4
Spotted Spurge	Euphorbia maculata	4	4
Velvetleaf	Abutilon theophrasti	4	6
Venice Mallow	Hibiscus trionum	2	2
Waterhemps			
Common	Amaranthus rudis	2	2
Tall	Amaranthus tuberculatus	2	2

⁽¹⁾ Sipcam Flumioxazin 4 SC tank mixes will only control the above ground portion of field bindweed. Repeated applications of Sipcam Flumioxazin 4 SC will be needed to control regrowth.

TANK MIXES

This product may be tank mixed with the herbicides listed in Table 12 for additional weed control in burndown, preemergence, post-directed and layby applications. Refer to tank mix partner's label for adjuvant directions.

Table 12. Tank Mixes with Sipcam Flumioxazin 4 SC for Post-Directed or Layby Use in Sugarcane

TANK MIX PARTNER ⁽¹⁾	TARGET WEEDS	BURNDOWN	POST-DIRECTED ⁽²⁾	LAYBY
2,4-D amine	Annual and Perennial Broadleaf Weeds	X		
Atrazine	Pigweeds Cocklebur	X	X	Х
Asulam, sodium salt ⁽³⁾	Annual Grasses		X	X
Ametryn ⁽⁴⁾	Annual Grasses		X	X
Glyphosate ⁽⁵⁾	Annual and Perennial Weeds	X		Х
Metribuzin ⁽⁶⁾	Broadleaf Panicum Goosegrass		X	Х
Halosulfuron-methyl	Purple Nutsedge Yellow Nutsedge	X	X	Х
Dicamba dimethylamine salt + 2,4-D	Annual and Perennial Broadleaf Weeds	×		

⁽¹⁾ Refer to tank mix product labels for specific directions for use for control of emerged weeds present not listed in Table 11.

ADDITIONAL PREEMERGENCE BROADLEAF CONTROL

This product can be tank mixed with atrazine or diuron for additional preemergence broadleaf control.

ADDITIONAL PREEMERGENCE GRASS CONTROL

This product can be tank mixed with pendimethalin for additional preemergence grass control provided sugarcane has not emerged.

DIRECTIONS FOR USE IN SUNFLOWER AND SAFFLOWER

[Not registered for use in California]

HARVEST AID

RESTRICTIONS AND LIMITATIONS

- **DO NOT** apply more than 3 fl. oz. (0.094 lb. Al/A) of this product per acre per application.
- **DO NOT** apply more than 1 application of this product per acre per year.
- **DO NOT** apply more than 3 fl. oz. (0.094 lb. Al/A) of this product per acre per year.
- DO NOT harvest within 5 days of application of this product.

Desiccation from this product requires the addition of an agronomically approved adjuvant to the spray mixture. Use a methylated seed oil which contains at least 15% emulsifiers and 80% oil at 1 qt./A. A spray grade nitrogen source (either ammonium sulfate at 2 to 2.5 lbs./A or a 28 to 32% nitrogen solution at 1 to 2 qt./A) may be added to the spray mixture along with methylated seed oil to enhance desiccation. The addition of a nitrogen source does not replace the need for methylated seed oil. Tank mixing this product with glyphosate or paraquat will increase control of emerged weeds and aid in harvest for sunflowers. Tank mixing this product with glyphosate will increase control of emerged weeds and aid in harvest for safflower.

TIMING TO SUNFLOWER AND SAFFLOWER

Apply this product, at 1.5 to 2 fl. oz./A (0.047 lb. Al/A-0.063 lb. Al/A), when crop is mature (when seed is 35%

⁽²⁾Make post-directed applications to upright sugarcane varieties after the sugarcane has exceeded 24 inches

in height. Post-directed applications to "PINEAPPLE" varieties or to upright varieties that are less than 24 inches in height may result in unacceptable crop injury.

⁽³⁾ Apply to sugarcane at least 24 inches tall.

⁽⁴⁾Apply before weeds are greater than 6 inches tall.

⁽⁵⁾Glyphosate applications must be made with a hooded sprayer. Sugarcane must be at least 3 feet tall.

Contact with the sugarcane foliage by either the spray mixture or the treated weed foliage will result in sugarcane injury.

⁽⁶⁾Refer to metribuzin label for restrictions based on soil type.

moisture or less). For many varieties, this is when the backs of the heads are turning yellow and the bracts are turning brown. Sunflower and safflower can be harvested 5 days after application.

To ensure thorough coverage, use 15 to 30 gallons of spray solution per acre and select nozzle type using manufacturer's gallonage and pressure guidelines for postemergence application.

DIRECTIONS FOR USE IN SWEET POTATO

[For Use in States of Arizona, California and Hawaii Only]

RESTRICTIONS AND LIMITATIONS

- **DO NOT** apply more than 3 fl. oz. (0.094 lb. Al/A) of this product per acre per application.
- **DO NOT** apply more than 1 application of this product per acre per year.
- **DO NOT** apply more than 3 fl. oz. (0.094 lb. Al/A) of this product per acre per year.
- **DO NOT** apply this product postemergence to sweet potatoes.
- DO NOT use greenhouse grown transplants.
- DO NOT use transplants harvested more than 2 days prior to transplanting.
- **DO NOT** use on any sweet potato variety other than "BEAUREGARD", unless user has tested this product on other variety and has found crop tolerance to be acceptable.
- **DO NOT** apply as a part of any tank mix, except with labeled rates of clomazone, if tank mix is applied prior to transplanting.

TIMING TO SWEET POTATOES

This product must be applied prior to transplanting sweet potatoes.

TIMING TO WEEDS

Preemergence to Weeds

Apply this product to soil prior to transplanting sweet potato slips for the preemergence control of the weeds listed in Table 1.

DIRECTIONS FOR USE IN WHEAT

[Not registered for use in California]

RESTRICTIONS

- **DO NOT** apply more than 2 fl. oz. (0.063 lb. Al/A) of this product per acre per application.
- **DO NOT** apply more than 1 application of this product per acre per year.
- **DO NOT** apply more than 2 fl. oz. (0.063 lb. Al/A) of this product per acre per year.

PRE-PLANT APPLICATIONS. PRE-EMERGENCE WEED CONTROL

[For Use in Delaware, Idaho, Kentucky, Maryland, Minnesota, Montana, North Carolina, North Dakota, New Jersey, Oregon, Pennsylvania, South Carolina, South Dakota, Tennessee, Virginia, Washington and Wisconsin Only]

RESTRICTIONS AND LIMITATIONS

- For pre-plant weed control, use only on no-till or minimum tillage fields where the previous year's crop residue
 has not been incorporated into the soil.
- [Plant wheat no sooner than 7 days after Sipcam Flumioxazin 4 SC application in the states of DE, ID, KY, MD, MN, MT, NC, ND, NJ, OR, PA, SC, SD, TN, VA, WAor WI]
- [Plant wheat no sooner than 14 days after Sipcam Flumioxazin 4 SC application in the states of DE, ID, KY, MD, MN, MT, NC, ND, NJ, OR, PA, SC, SD, TN, VA, WA or WI]
- [DO NOT use on Durum wheat.]
- DO NOT irrigate between emergence and spike.
- Wheat must be planted a minimum of 1" deep.
- DO NOT graze until wheat has reached 5 inches in height.

Burndown Use Directions [All states]

This product, applied as part of a burndown program, at 2 fl. oz./A (0.063 lb. Al/A), may be used for residual weed control, as well as to assist in postemergence burndown of many weeds where wheat will be planted directly into the residue of the previous crop. See Directions for Use in Fall Burndown Programs in Fields to be Planted to Barley, Field Pea, Flax, Lentil, Safflower, Sunflower and Spring Wheat for rates and timing of applications. For control of emerged weeds, this product must be applied with an appropriate burndown tank mix partner. To ensure thorough coverage, use a minimum of 15 gallons of spray solution per acre. Refer to tank mix partner's label for application pressure and adjuvant systems.

POST-PLANT, PRE-EMERGENCE WEED CONTROL RESTRICTIONS

[For Use in Delaware, Idaho, Kentucky, Maryland, Minnesota, Montana, North Carolina, North Dakota, New Jersey, Oregon, Pennsylvania, South Carolina, South Dakota, Tennessee, Virginia, Washington and Wisconsin Only]

RESTRICTIONS AND LIMITATIONS

- For post-plant, pre-emergence weed control, use only on no-till or minimum tillage fields where the previous crop residue has not been incorporated into the soil.
- Apply this product up to 2 days afterplanting.
- [DO NOT use on Durum wheat.]
- DO NOT irrigate between emergence and spike.
- Wheat must be planted a minimum of 1" deep.
- DO NOT graze until wheat has reached 5 inches in height.

Directions for Use

This product, applied at 2 fl. oz./A (0.063 lb. Al/A), may be used for residual weed control, where wheat has been planted directly into the residue of the previous year. Application must be made no later than 2 days after planting.

HARVEST AID

[All states]

RESTRICTIONS AND LIMITATIONS

• **DO NOT** harvest within 10 days of application of this product.

Directions for Use

This product, applied at 2 fl. oz./A (0.063 lb. Al/A) for desiccation requires the addition of an agronomically approved adjuvant to the spray mixture. Use a methylated seed oil which contains at least 15% emulsifiers and 80% oil at 1 qt./A. A spray grade nitrogen source (either ammonium sulfate at 2 to 2.5 lbs./A or a 28 to 32% nitrogen solution at 1 to 2 qt./A) may be added to the spray mixture along with methylated seed oil to enhance desiccation. The addition of a nitrogen source does not replace the need for methylated seed oil. Tank mixing this product with glyphosate will increase control of emerged weeds and aid in harvest.

To ensure thorough coverage, use a minimum of 10 gallons spray solution per acre by ground application and a minimum of 5 gallons per acre by aerial application. Select nozzle based on manufacturer's gallonage and pressure guidelines for postemergence application.

TIMING TO WHEAT

Apply this product, at 1.5 to 2 fl. oz./A (0.047 lb. Al/A-0.063 lb. Al/A), after wheat reaches the hard dough stage and grain has no more than 30% moisture. Wheat can be harvested 10 days after application. Sipcam Agro USA, lnc. recommends tank mixing with glyphosate.

DIRECTIONS FOR USE IN BUSHBERRIES, CANEBERRIES, CITRUS FRUIT, GRAPE, OLIVE, POME FRUIT, POMEGRANATE, STONE FRUIT, TREE NUTS AND NON-BEARING FRUIT TREES

Bushberries (Subgroup 13-07B): Aronia Berry; Blueberry, Highbush; Blueberry, Lowbush; Buffalo Currant; Chilean Guava; Cranberry, Highbush; Currant, Black; Currant, Red; Elderberry, European Barberry, Gooseberry, Honeysuckle, edible; Huckleberry; Jostaberry; Juneberry (Saskatoon Berry); Lingonberry; Native Currant; Salal;

Sea Buckthorn; cultivars, varieties, and/or hybrids of these.

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

Citrus Fruit (Crop Group 10-10): Australian Desert Lime; Australian Finger-lime; Australian Round Lime; Brown River Finger Lime; Calamondin; Citron; Citrus hybrids; Grapefruit; Japanese Summer Grapefruit; Kumquat; Lemon; Lime; Mediterranean Mandarin; Mount White Lime; New Guinea Wild Lime; Orange, Sour; Orange, Sweet; Pummelo; Russell River Lime; Satsuma Mandarin; Sweet Lime; Tachibana Orange; Tahiti Lime; Tangelo; Tangerine (mandarin); Tangor; Trifoliate Orange; Uniq Fruit; cultivars, varieties and/or hybrids of these. Tree Nuts (Crop Group 14-12): African Nut-tree; Almond, Beechnut; Brazil Nut; Brazilian Pine; Bunya; Bur Oak; Butternut; Cajou Nut; Candlenut; Cashew; Chestnut; Chinquapin; Coconut; Coquito Nut; Dika Nut; Ginkgo; Guiana Chestnut; Hazelnut (Filbert); Heartnut; Hickory Nut; Japanese Horse-chestnut; Macadamia Nut; Mongongo Nut; Monkey-pot; Monkey Puzzle Nut; Okari Nut; Pachira Nut; Peach Palm Nut; Pecan; Pequi; Pili Nut; Pine Nut; Pistachio; Sapucaia Nut; Tropical Almond; Walnut, Black; Walnut, English; Yellowhorn, cultivars, varieties and/or hybrids of these.

Pome Fruit (Crop Group 11-10): Apple; Azarole; Crabapple; Loquat; Mayhaw; Medlar; Pear; Pear, Asian; Quince; Quince, Chinese; Quince, Japanese; Tejocote; cultivars, varieties and/or hybrids of these.

Stone Fruit (Crop Group 12-12): Apricot; Apricot, Japanese; Capulin; Cherry, Black; Cherry, Nanking; Cherry, Sweet; Cherry, Tart; Jujube, Chinese; Nectarine; Peach; Plum; Plum, American; Plum, Beach; Plum, Canada; Plum, Cherry; Plum, Chickasaw; Plum, Damson; Plum, Japanese; Plum, Klamath; Plum, Prune; Plumcot; Sloe and cultivars, varieties and/or hybrids of these.

RESTRICTIONS AND LIMITATIONS

- **DO NOT** apply more than 12 fl. oz. (0.375 lb. Al/A) of this product per acre per application, except Caneberries; for Caneberries, **DO NOT** apply more than 6 fl. oz. (0.188 lb. Al/A) this product per acre per application.
- **DO NOT** apply more than 24 fl. oz. (0.75 lb. Al/A) of this product per acre per year, except Bushberries; for Bushberries **DO NOT** apply more than 12 fl. oz. (0.375 lb. Al/A) of this product per acre per year.
- **DO NOT** make a sequential application of this product within 30 days of the first application, except tree nuts, **DO NOT** make a sequential application within 60 days of the first application.
- DO NOT apply this product to farm alleys or roads where traffic may result in treated dust settling onto crops or other desirable vegetation.
- **DO NOT** apply this product within 300 yards of non-dormant pears.
- Raise mower height during all mowing to reduce dust. Dust created by mowing can drift onto desirable vegetation resulting ininjury.
- **DO NOT** apply to powdery soils or soils that are susceptible to wind displacement unless irrigation can be applied immediately after application.
- **DO NOT** mow treated areas between bud break and final harvest. Dust created by mowing may drift onto desirable vegetation resulting in injury.
- Follow the most restrictive label limitations and precautions of the tank mix product(s) being used.
- Avoid direct or indirect spray contact to foliage and green bark (non-barked trunk and non-barked vines with the exception of undesirable suckers).
- **DO NOT** apply to tree nuts established less than one year, unless protected from spray contact by non-porous wraps, grow tubes, or waxed containers.
- For non-bearing fruit trees (avocado and fig), **DO NOT** harvest fruit from treated trees within one year of application.
- Preharvest Interval (PHI)

Citrus Fruit: 3 days
Bushberries: 7 days
Caneberries: 7 days
Grape: 60 days
Tree Nuts: 60 days
Olive: 60 days

Pome Fruit: 60 daysPomegranate: 60 daysStone Fruit: 60 days

PRECAUTIONS

Use a maximum Sipcam Flumioxazin 4 SC rate of 6 fl. oz./A (0.188 lb. Al/A) per application on any soil that

has a sand plus gravel content over 80% if bushes, trees or vines are less than 3 years of age. (Two applications of 6 fl. oz./A (0.188 lb. Al/A) in a 12-month period can still be made as long as there have been 60 days between applications).

- Raise mower height during all mowing to reduce dust. Dust created by mowing can drift onto desirable vegetation resulting ininjury.
- Follow the most restrictive label limitations and precautions of the tank mix product(s) being used.
- Avoid direct or indirect spray contact to foliage and green bark or canes (non-barked trunk and non- barked vines with the exception of undesirable suckers).
- Irrigate after application with minimum of 1/4 inch of water to activate the herbicide and to reduce wind displacement of soil.

USE PRECAUTIONS FOR BUSHBERRIES

• If bushberries are established less than 2 years ensure that they are protected from spray contact by non-porous wrap, grow tubes or waxed containers.

USE PRECAUTIONS FORGRAPES

- If grapes are established less than 2 years ensure that they are trellised at least 3 ft from the soil surface or are protected from spray contact by non-porous wrap, grow tubes or waxed containers.
- Apply only to grapes that are trellised, staked or are free standing.
- Avoid direct or indirect spray contact to foliage and green bark (non-barked vines, with the exception of undesirable suckers).
- Plant new plantings of "own-rooted varieties", for example Concord, so that all roots are a minimum 8 inches below the soil surface to be treated. In some situations, this may require hilling soil around newly planted vines so that the settled depth of the hill will be 4 to 5 inches above the vineyard floor.

Juice, Raisin and Wine Grapes

• If applied during the period after bud break through final harvest, use shielded application equipment and applicator can ensure spray drift will not come in contact with crop fruit or foliage.

Table Grapes

• Apply this product between final harvest up to bud break.

USE PRECAUTIONS FOR CITRUS FRUIT, OLIVE, POME FRUIT, POMEGRANATE, STONE FRUIT AND TREE NUTS

- For pome fruit and stone fruit, this product can only be applied as a uniform band directed at the base of the trunk prior to silver tip in apples and bud break in stone fruit.
- For pome fruit and stone fruit make applications only to berms
- For olive, pomegranate and tree nuts apply after bud break through final harvest using shielded application equipment if the applicator can ensure the spray drift will not come into contact with non- target vegetation, crop fruit and/or foliage. Shielded application equipment is not required if the following application parameters are followed:
 - Application pressure (at boom) < 30PSI.
 - Application speed < 5MPH.
 - Applicator can ensure the spray drift will not come into contact with non-target vegetation, crop fruit and/or foliage.
- If application is made to trees established less than one year, ensure they are protected from spray contact by non-porous wraps, grow tubes, paint or waxed containers.
 - For apples east of the Cascade Mountains in Washington, follow the restrictions above plus:
 - Apply between final harvest and January 1.
 - Apply only to apple blocks with an established (2 years or older) permanent cover crop that covers a minimum of 60% of the surface area in the block.
 - Application must be incorporated with a minimum of one-half inch of water within 48 hours after application.
 - o Apply only to orchard berms.

o **California only:** See use precautions and stone fruit in the counties of Merced, San Joaquin and Stanislaus section of this label. [For almonds and stone fruit in the counties of Merced, San Joaquin and Stanislaus, follow supplemental labeling provided by Sipcam Agro USA, Inc.]

USE PRECAUTIONS ON ALMOND AND STONE FRUIT IN DEFINED AREAS OF MERCED, SAN JOAQUIN AND STANISLAUS COUNTIES OF CALIFORNIA

The use of this product in soils common in parts of Merced, San Joaquin and Stanislaus counties in California is known to have resulted in injury to almonds under drought stress conditions. These soils are characterized by having been cut or filled, high sand content, low clay content and shallow profiles. Growers in the Defined Area must be aware and assume the risk of using this product on almond or stone fruit crops. The Defined Area can be seen on the Map or by the description that follows:

- Intersection of Highway 4 and Escalon-Bellota Road at Farmington in San Joaquin County;
- Directly South on Escalon-Bellota to the Santa Fe Avenue and railroad tracks at Escalon
- Southeast on Santa Fe Avenue down to the Merced River;
- East following the Merced River to the Merced/Mariposa Countyline;
- Northwest following the Merced County line through the intersection of Merced and Stanislaus County line following the Stanislaus/Tuolumne County and Calaveras County line to Highway 4:
- West on Highway 4 back to the Farmington intersection of Escalon – Bellota Road.



USE PRECAUTIONS FOR NON-BEARING FRUIT TREES

Non-Bearing Avocado and Fig

- trees are established less than one year, protected from spray contact by non-porous wraps, grow tubes or waxed containers.
- If applied after flowering through leaf drop, use shielded application equipment and ensure that spray drift will not come in contact with the crop foliage.

DIRECTIONS FOR USE

For bushberries, caneberries, citrus fruit, grape, olive, pomegranate, tree nuts, and non-bearing fruit trees, this product as a uniform broadcast application to the orchard or vineyard floor or as a uniform band directed at the base of the bush, cane, trunk or vine. For stone fruit and pear, this product can only be applied as a uniform band directed at the base of the trunk prior to "bud break". For apple, this product can only be applied as a uniform band directed at the base of the trunk prior to "silver tip". For other pome fruit, check with Sipcam Agro USA, Inc. personnel for application timing. The preferred application timing for this product is in the fall to maximize the potential for rainfall to activate and set the herbicide. **DO NOT** apply over the top of crop or allow spray to come in contact with crop as a result of application or drift.

Preemergence Application

Apply 6 to 12 fl. oz. (0.188 lb. Al/A-0.375 lb. Al/A) (maximum 6 oz/A for caneberries) of this product per broadcast acre as a preemergence application. Make preemergence (to weed emergence) applications of this product to a weed-free soil surface. Preemergence applications of this product must be completed prior to weed emergence. Moisture is necessary to activate this product on soil for residual weed control. Dry weather following application of this product may reduce effectiveness. However, when adequate moisture is received after dry conditions, this product will control susceptible germinating weeds.

Postemergence Application

Apply 6 to 12 fl. oz. (0.188 lb. Al/A-0.375 lb. Al/A) (maximum 6 oz/A for caneberries) of this product per broadcast

acre plus an adjuvant (0.25% v/v non-ionic surfactant or 1 qt./A crop oil concentrate). The addition of an adjuvant enhances this product activity on emerged weeds. Thorough spray coverage is necessary to maximize the postemergence activity of this product.

Refer to Table 10 for weeds controlled by the residual activity of this product. This product must be tank mixed with a labeled burndown herbicide for control of the emerged weeds listed in Table 13. Refer to tank mix partner's label for additional weed species and increased weed heights claimed. Refer to tank mix partner's label for additional restrictions, including minimum carrier volume and crops in which tank mix partner may be used. Burndown tank mix partners include glyphosate, paraquat, 2,4-D and glufosinate. Tank mixes with glyphosate or 2,4-D containing products are not advised during the period after bloom through final harvest to ensure crop safetyfrom drift.

Residual weed control will be reduced if vegetation prevents the Sipcam Flumioxazin 4 SC from reaching the soil surface. If vegetation is heavy, it is required to use a burndown herbicide with this product and make a sequential Sipcam Flumioxazin 4 SC application prior to the emergence of new weeds.

Carrier Volume and SprayPressure

To ensure thorough coverage in burndown applications, use a minimum of 15 gallons of spray solution per acre. Use higher gallonage if dense vegetation or heavy crop residue is present.

Nozzle selection must meet manufacturer's gallonage and pressure guidelines.

Banded Application

Rates listed in Table 13, Weeds Controlled by Postemergence Activity of Sipcam Flumioxazin 4 SC Tank Mixes, refer to a broadcast application covering the entire acre. Refer to the Band Application table in Use Information section to calculate amount needed per acre when making a banded application.

Table 13. Weeds Controlled by Postemergence Activity of Sipcam Flumioxazin 4 SC Tank mixes

BROADLEAF WEED SPECIES COMMON NAME SCIENTIFIC NAME WEED HEIGHT / APPLICATION					
COMINION NAME	SCIENTIFIC INAME	LENGTH (inches)	RATES		
Bindweed, Field ⁽¹⁾	Convolvulus arvensis	8	6 to 12 fl.		
Carpetweed	Mollugo verticillata	4	oz./A		
Chickweeds			(0.188 lb. Al/A-0.375		
Common	Stellaria media	4	lb. Al/A)		
Mouseear	Cerastium vulgatum	4			
Cocklebur, Common	Xanthium strumarium	4			
Eveningprimrose, Cutleaf	Oenothera laciniata	12			
Filaree			_		
Broadleaf	Erodium botrys	4	_		
Redstem	Erodium cicutarium	4	_		
Florida Beggarweed	Desmodium tortuosum	2	_		
Hemp Sesbania	Sesbania exaltata	8			
Jimsonweed	Datura stramonium	4			
Lambsquarters, Common	Chenopodium albsum	4			
Morningglories					
Entireleaf	Ipomoea hederacea var. integriuscula	4			
lvyleaf	Ipomoea hederacea	4			
Pitted	Ipomoea lacunose	6			
Red/Scarlet	İpomoea coccinea	4	7		
Tall	Ipomoea purpurea	4			
Mustard, Wild	Brassica kaber	6			
Pigweeds					
Palmer Amaranth	Amaranthus palmeri	6			
Redroot	Amaranthus retroflexus	6			
Smooth	Amaranthus hybridus	6			
Plantain, Broadleaf	Plantago major	6			
Prickly Sida (Teaweed)	Sida spinosa	6			
Purslanes	,				
Common	Portulaca oleracea	4			
Rock	Calandrinia spp.	2			
Ragweeds					
Common	Ambrosia artemisiifolia	2	7		
Giant	Ambrosia trifida	4	7		
Rice Flatsedge	Cyperus iria	4	7		
Sicklepod	Senna obtusifolia	4	 		

⁽¹⁾ Sipcam Flumioxazin 4 SC will only provide control of the above ground portion of bindweed. Repeated applications will be needed to control regrowth.

⁽²⁾ For acceptable control, cutleaf eveningprimrose must be 12 inches or less and in the rosette stage. Add crop oil concentrate, at 1 pt/A, or non-ionic surfactant at 0.25% v/v, to glyphosate tank mixes for cutleaf eveningprimrose control, including glyphosate formulations that contain a built-in adjuvant system.

Table 13. Weeds Controlled by Postemergence Activity of Sipcam Flumioxazin 4 SC Tank mixes (continued)

BROADLEAF WEED SPECIES				
COMMON NAME	SCIENTIFIC NAME	WEED HEIGHT / LENGTH (inches)	APPLICATION RATES	
Smartweeds			6 to 12 fl.	
Ladysthumb	Polygonum persicaria	4	oz./A	
Pale	Polygonum lapathifolium	4	(0.188 lb. Al/A-0.375	
Pennsylvania	Polygonum pensylvanicum	4	lb. Al/A)	
Spotted Spurge	Euphorbia maculata	4		
Velvetleaf	Abutilon theophrasti	4		
Venice Mallow	Hibiscus trionum	4		
Waterhemps				
Common	Amaranthus rudis	2		
Tall	Amaranthus tuberculatus	2		

⁽¹⁾ Sipcam Flumioxazin 4 SC will only provide control of the above ground portion of bindweed. Repeated applications will be needed to control regrowth.

ADDITIONAL RESIDUAL WEED CONTROL

This product may be tank mixed with oryzalin, simazine, or diuron for additional residual weed control. Always read and follow label use directions for all products being used.

FALLOWBED USE ON TRANSPLANTED MELON, PEPPER AND TOMATO BEDS [For Use in Arizona, California and Hawaii only]

RESTRICTIONS AND LIMITATIONS

- **DO NOT** apply more than 4 fl. oz. (0.125 lb. Al/A) of this product per acre per application.
- **DO NOT** make more than 2 applications of this product per acre per year.

product, when used alone, will not provide satisfactory control of emerged weeds.

• **DO NOT** apply more than 8 fl. oz. (0.25 lb. Al/A) of this product per acre per year.

Many weather-related factors, including high wind or heavy rains or cool conditions at or near crop transplanting, may result in crop injury in fields treated with this product. On occasion this has resulted in a delay in maturity. Understand and accept these risks before using this product.

APPLICATION RATE	ADJUVANT	GPA	TRANSPLANTING INTERVAL
4 fl. oz./A (0.125 lb. Al/A)	Required by burndown tank mix partner	Ground – 20 to 40	2 Months
Application Method: Apply with a burndown herbicide labeled for the control of emerged weeds. This			

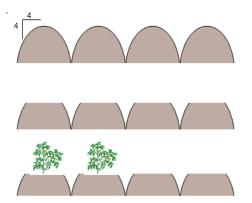
USE RESTRICTIONS FOR PREEMERGENCE FALLOWBED WEED CONTROL PRIOR TO TRANSPLANTING

- Always read and follow all label directions for use when using any pesticide alone or in tank mix combinations.
- The top 4 inches of the bed, from a horizontal and vertical perspective, where the crop will be transplanted, must be removed prior to transplanting.
- Irrigate treated field after application and prior to transplanting with minimum of 1/4 inch of water if rainfall does not occur between application and transplanting.
- Use only healthy transplants. **DO NOT** use on direct seeded crops.
- [On flat beds (tomato only), the soil must be incorporated to a depth of at least 4 inches, twice, prior to

⁽²⁾ For acceptable control, cutleaf eveningprimrose must be 12 inches or less and in the rosette stage. Add crop oil concentrate, at 1 pt./A, or non-ionic surfactant at 0.25% v/v, to glyphosate tank mixes for cutleaf eveningprimrose control, including glyphosate formulations that contain a built-in adjuvant system.

transplanting. Failure to incorporate may result in stand reduction and/or crop injury.]

• This use pattern makes no claim for in-season weed control after the beds have been disturbed.



Beds are formed and this product is applied with a burndown herbicide.

A minimum of 2 months after Sipcam Flumioxazin 4 SC application, the tops of the bed are removed and the soil from the tops of the bed is placed in the area between the beds.

Crops are transplanted into beds.

DIRECTIONS FOR USE TO MAINTAIN BARE GROUND ON NON-CROP AREAS OF FARMS, ORCHARDS AND VINEYARDS

RESTRICTIONS AND LIMITATIONS

- **DO NOT** apply this product to farm alleys or roads where traffic may result in treated dust settling onto crops or other desirable vegetation.
- **DO NOT** apply this product to ditch banks.

This product, when used as directed, can be used on farms, orchards and vineyards for non-selective vegetation control to maintain bare ground on non-crop areas that must be kept weed free. Follow all applicable directions for use as outlined above under "USE INFORMATION".

This product offers residual and postemergence control of susceptible broadleaf and grass weeds as well as an additional mode of action to assist in the control of ALS (acetolactate synthase) resistant weeds. This product can be tank mixed with the herbicides listed in Table 14 for increased residual or postemergence control. The length of residual control is dependent on the rate applied as well as on rainfall and temperature conditions. Length of residual control will decrease as temperature and precipitation increase. Sipcam Flumioxazin 4 SC rates of 6 to 12 fl. oz./A (0.188 lb. Al/A-0.375 lb. Al/A) are required to provide residual control of the weeds listed in Table 10.

PREEMERGENCE APPLICATION

Apply 6 to 12 fl. oz. (0.188 to 0.375 lb. Al/A) of this product per broadcast acre as a preemergence application. Make preemergence (to weed emergence) applications of this product to a weed-free soil surface. Preemergence applications of this product must be completed prior to weed emergence. Moisture is necessary to activate this product on soil for residual weed control. Dry weather following application of this product may reduce effectiveness. However, when adequate moisture is received after dry conditions, this product will control susceptible germinating weeds.

POSTEMERGENCE APPLICATION

Apply 6 to 12 fl. oz. (0.188 to 0.375 lb. Al/A) of this product per broadcast acre plus an adjuvant (0.25% v/v non-ionic surfactant or 1 qt/A crop oil concentrate). The addition of an adjuvant enhances this product activity on emerged weeds. Thorough spray coverage is necessary to maximize the postemergence activity of this product. Emerged weeds are controlled postemergence with this product, however, translocation of this product within a weed is limited, and control is affected by spray coverage and by the addition of an adjuvant. The most effective postemergence weed control with this product occurs when applied in combination with a surfactant to weeds less than 2 inches in height. Use a tank mix partner in combination with this product for the postemergence control of weeds larger than 2 inches. Specified tank mix partners are listed in Table 14.

IMPORTANT: Completely read and follow the label of any potential tank mix partner with this product. When using

tank mixtures, use conditions must be in accordance with the most restrictive of the label limitations and precautions on either herbicide label.

Table 14. Tank Mix Combination to Maintain Bare Ground on Non-Crop Areas

Glyphosate	2,4-D	Glufosinate	Paraquat
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STORAGE AND DISPOSAL

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

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.

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

[Nonrefillable Plastic Containers 5 Gallons or Less: 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 and drain for 10 seconds after the flow begins to drip. Fill the container 1/4 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 reconditioning if appropriate or puncture and dispose of in a sanitary landfill or by incineration.]

[Nonrefillable Plastic Containers Larger Than 5 Gallons: Nonrefillable container. Do not reuse or refill this container. Triple rinse or pressure 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 1/4 full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times. Pressure rinse as follows: Empty the remaining contents into application equipment or a mix tank and continue to drain for 10 seconds after the flow begins to drip. Hold container upside down over application equipment or mix tank or collect rinsate for later use or disposal. Insert pressure rinsing nozzle in the side of the container, and rinse at about 40 psi for at least 30 seconds. Drain for 10 seconds after the flow begins to drip. Then offer for recycling if available or reconditioning if appropriate or puncture and dispose of in a sanitary landfill or by incineration.]

[Refillable Plastic Containers Larger Than 5 Gallons: Refillable container. Refill this container with pesticide only. Do not reuse this container for any other purpose. Cleaning the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the refiller. To clean the container before final disposal, empty the remaining contents from this container into application equipment or a mix tank. Fill the container about 10% full with water. Agitate vigorously or recirculate water with the pump for two minutes. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this rinsing procedure two more times. Then offer for recycling if available or reconditioning if appropriate or puncture and dispose of in a sanitary landfill, or by incineration, or by other procedures approved state and local authorities.]

WARRANTY AND LIMITATION OF DAMAGES

Conditions of sale: To the extent consistent with applicable law, Sipcam Agro USA, Inc. warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated on the label when used in accordance with the directions under normal conditions of use. This warranty does not extend to the use of this product contrary to label instructions, or under conditions not reasonably foreseeable to Sipcam Agro USA, Inc. SIPCAM AGRO USA, INC. DISCLAIMS ALL OTHER WARRANTIES, EXPRESS OR IMPLIED. To the extent consistent with applicable law, SIPCAM AGRO USA, INC. SHALL NOT BE LIABLE FOR CONSEQUENTIAL, SPECIAL, OR INDIRECT DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, AND SIPCAM AGRO USA, INC.'S SOLE LIABILITY AND BUYER'S AND USER'S EXCLUSIVE REMEDY SHALL BE LIMITED TO THE REFUND OF THE PURCHASE PRICE. BUYER AND USER ACKNOWLEDGE AND ASSUME ALL RISKS AND LIABILITY RESULTING FROM HANDLING, STORAGE AND USE OF THIS PRODUCT. SIPCAM AGRO USA, INC. DOES NOT AUTHORIZE ANY AGENT OR REPRESENTATIVE TO MAKE ANY OTHER WARRANTY, GUARANTEE OR REPRESENTATION CONCERNING THIS PRODUCT.