



U.S. ENVIRONMENTAL PROTECTION AGENCY

Office of Pesticide Programs
Registration Division (7505P)
1200 Pennsylvania Ave., N.W.
Washington, D.C. 20460

EPA Reg. Number:

93930-41

Date of Issuance:

7/15/20

NOTICE OF PESTICIDE:

Registration
 Reregistration
(under FIFRA, as amended)

Term of Issuance:

Unconditional

Name of Pesticide Product:

Avalaire Imazamox 1 SL

Name and Address of Registrant (include ZIP Code):

Avalaire, LLC
1204 Village Market Place, #173
Morrisville, NC 27560

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.

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.
2. Make the following label changes before you release the product for shipment:
 - Revise the EPA Registration Number to read, "EPA Reg. No. 93930-41."
3. Submit one copy of the revised final printed label for the record before you release the product for shipment.

Signature of Approving Official:

Erik Kraft, Product Manager 24
Fungicide Herbicide Branch, Registration Division (7505P)

Date:

7/15/20

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

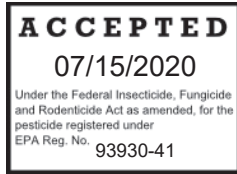
If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6. Your release for shipment of the product constitutes acceptance of these conditions. A stamped copy of the label is enclosed for your records. Please also note that the record for this product currently contains the following CSFs:

- Basic CSF dated 05/21/2020

If you have any questions, please contact BeWanda Alexander by phone at (703)347-0313, or via email at alexander.bewanda@epa.gov

Enclosure

[Note to reviewer: [Text] in brackets denotes optional or explanatory language
[Note to reviewer: {Text} in braces denotes where in the final label text will appear
{BOOKLET FRONT PANEL LANGUAGE}



IMAZAMOX GROUP 2 HERBICIDE

AVALAIRE IMAZAMOX 1 SL^[TM]

[Alternate Brand Name: Rambler SL]

[For use on alfalfa, beans (dry), chicory, clover grown for nonfood and nonfeed, clover grown for seed, edamame, lima bean (succulent), peas (dry), pea (English), snap bean, and soybean]

Active Ingredient:	(% by weight)
ammonium salt of imazamox: 2-[4,5-dihydro-4-methyl-4-(1-methylethyl)-5-oxo-1H-imidazol-2-yl]-5-(methoxymethyl)-3-pyridinecarboxylic acid*	12.1%
Other Ingredients:	.87.9%
Total	100.0%

*Equivalent to 11.4% 2-[4,5-dihydro-4-methyl-4-(1-methylethyl)-5-oxo-1H-imidazol-2-yl]-5-(methoxymethyl)-3-pyridinecarboxylic acid

Contains 1 lb. of active ingredient per gallon as the free acid.

Contains imazamox, the active ingredient used in Raptor[®] Herbicide.

KEEP OUT OF REACH OF CHILDREN CAUTION/PRECAUCION

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you **DO NOT** understand the label, find someone to explain it to you in detail.)

See inside label booklet for First Aid, Precautionary Statements and Directions for Use.

EPA Reg. No.: 93930-XX

EPA Est. No.:

Net Contents:

Manufactured For:
Avalaire, LLC
1204 Village Market Way, #173
Morrisville, NC 27560

[AVALAIRE IMAZAMOX 1 SL] is not manufactured, or distributed by BASF Corporation, seller of Raptor[®] Herbicide.

{LANGUAGE INSIDE BOOKLET}

FIRST AID	
If on skin or clothing:	<ul style="list-style-type: none">• Take off contaminated clothing.• Rinse skin immediately with plenty of water for 15 to 20 minutes.• Call a poison control center or doctor for treatment advice.
If in eyes:	<ul style="list-style-type: none">• Hold eyes open and rinse slowly and gently with water for 15 to 20 minutes.• Remove contact lenses, if present, after first 5 minutes; then continue rinsing eyes.• Call a poison control center or doctor for treatment advice.
If inhaled:	<ul style="list-style-type: none">• Move person to fresh air.• If person is not breathing, call 911 or an ambulance; then give artificial respiration, preferably mouth to mouth if possible.• Call a poison control center or doctor for further treatment advice.
HOT LINE NUMBER	
Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact SafetyCall at 1-844-685-9173 for emergency medical treatment information.	

**For Chemical Emergency
Spill, Leak, Fire, Exposure, or Accident
Call CHEMTREC Day or Night
Within USA and Canada: 1-800-424-9300 or +1 703-527-3887 (collect calls accepted)**

PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals

CAUTION

Harmful if absorbed through skin or inhaled. Avoid breathing spray mist. Avoid contact with skin, eyes, or clothing.

Personal Protective Equipment (PPE)

Applicators and other handlers must wear:

- Long-sleeved shirt and long pants
- Chemical-resistant gloves such as barrier laminate, butyl rubber ≥ 14 mils, nitrile rubber ≥ 14 mils, neoprene rubber ≥ 14 mils, natural rubber (includes natural rubber blends and laminates) ≥ 14 mils, polyethylene, polyvinylchloride (PVC) ≥ 14 mils, or viton ≥ 14 mils
- Shoes plus socks

Follow the manufacturer's instructions for cleaning and maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry. Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. **DO NOT** reuse them.

USER SAFETY RECOMMENDATIONS

Users should:

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

Environmental Hazards

This pesticide may be hazardous to plants outside the treated area. **DO NOT** apply directly to water, or to areas where surface water is present, or to intertidal areas below the mean high water mark except as directed in this label. Off-site movement from spray drift, volatilization, and runoff may be hazardous to neighboring crops and vegetative habitat utilized for food and cover by wildlife and aquatic organisms. **DO NOT** contaminate water when disposing of equipment washwater or rinsate.

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.

Groundwater Advisory

This chemical has properties and characteristics associated with chemicals detected in groundwater. This chemical may leach into groundwater if used in areas where soils are permeable, particularly where the water table is shallow.

Surface Water Advisory

This product may impact surface water quality due to runoff of rainwater. This is especially true for poorly draining soils and soils with shallow ground water.

This product is classified as having high potential for reaching surface water via runoff for several months or more after application.

A level, well-maintained vegetative buffer strip between areas to which this product is applied and surface water features such as ponds, streams, and springs will reduce the potential loading of [name of chemical] from runoff water and sediment. Runoff of this product will be reduced by avoiding applications when rainfall or irrigation is expected to occur within 48 hours.

Physical-Chemical Hazards

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

DIRECTIONS FOR USE

It is a violation of federal law to use this product in a manner inconsistent with its labeling. This label must be in the possession of the user at the time of pesticide application.

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) and restricted-entry interval. 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 **4 hours**.

EXCEPTION: If the product is soil-injected or soil-incorporated, the Worker Protection Standard, under certain circumstances, allows workers to enter the treated area if there will be no contact with anything that has been treated.

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, such as plants, soil, or water, is:

- Coveralls
- Chemical-resistant gloves such as barrier laminate, butyl rubber > 14 mils, nitrile rubber > 14 mils, neoprene rubber > 14 mils, natural rubber (includes natural rubber blends and laminates) > 14 mils, polyethylene, polyvinyl chloride (PVC) > 14 mils, or viton > 14 mils
- Shoes plus socks

Ensure spray drift to nontarget species does not occur.

DO NOT apply **AVALAIRE IMAZAMOX 1 SL** in any manner not specifically described in this label.

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

When applied by either ground or air, **AVALAIRE IMAZAMOX 1 SL** spray drift or other indirect contact may injure sensitive crops, including non-Clearfield canola, lentil, rice, sunflower, or wheat; leafy vegetables; and sugar beet.

Spray equipment used for **AVALAIRE IMAZAMOX 1 SL** application must be drained and thoroughly cleaned with water before being used to apply other products.

Observe all cautions on this label and on the labels of products used in combination with **AVALAIRE IMAZAMOX 1 SL**.

DO NOT use **AVALAIRE IMAZAMOX 1 SL** other than in accordance with the instructions set forth on this label.

Keep containers closed to avoid spills and contamination.

Product Information

AVALAIRE IMAZAMOX 1 SL, a soluble liquid, is a postemergence herbicide to control and suppress many broadleaf and grass weeds and sedges, as listed in this label.

The mode of weed-killing activity involves uptake of **AVALAIRE IMAZAMOX 1 SL** by foliage and/or weed roots and rapid translocation to the growing points. After **AVALAIRE IMAZAMOX 1 SL** application, susceptible weeds may show yellowing, and weed growth will stop. Susceptible weeds stop growing and either die or are not competitive with the crop.

Adequate soil moisture is important for optimum **AVALAIRE IMAZAMOX 1 SL** activity. When adequate soil moisture is present, **AVALAIRE IMAZAMOX 1 SL** will provide residual activity on susceptible germinating weeds. Activity on established weeds will depend on the weed species and the location of its root system in the soil. A timely cultivation after **AVALAIRE IMAZAMOX 1 SL** application may improve weed control.

Occasionally, internode shortening and/or temporary yellowing of crop plants may occur following **AVALAIRE**

IMAZAMOX 1 SL application. These effects can be more pronounced if crops are growing in stressful environmental or hot and humid conditions. These effects occur infrequently and are temporary. Normal growth and appearance may resume within 1 to 2 weeks.

DO NOT tank mix organophosphate or carbamate insecticides with **AVALAIRE IMAZAMOX 1 SL** on listed crops unless otherwise specified in writing by Avalaire. When organophosphate (including chlorpyrifos) or carbamate insecticides are tank mixed with **AVALAIRE IMAZAMOX 1 SL**, temporary injury may result to the treated crop. Separate organophosphate and **AVALAIRE IMAZAMOX 1 SL** application by at least 7 days to reduce potential for injury.

Use of **AVALAIRE IMAZAMOX 1 SL** is expected to result in normal growth of rotational crops in most situations; however, various environmental and agronomic factors make it impossible to eliminate all risks associated with the use of this product and, therefore, rotational crop injury is always possible.

Replanting

If replanting is necessary in a field previously treated with **AVALAIRE IMAZAMOX 1 SL**, the field may be replanted to beans (dry), **Clear-field**® canola, **Clearfield** corn, **Clearfield** lentil, **Clearfield** rice, **Clearfield** and **Clearfield**® Plus sunflower, **Clearfield** and **Clearfield Plus** wheat, edamame, pea (English), peas (dry), lima bean (succulent), snap bean, or soybean. Rework the soil no deeper than 2 inches. **DO NOT** apply a second treatment of **AVALAIRE IMAZAMOX 1 SL**. **DO NOT** apply imazethapyr or **AVALAIRE IMAZAMOX 1 SL** if edamame or soybeans are replanted.

WEED RESISTANCE MANAGEMENT

For resistance management, **AVALAIRE IMAZAMOX 1 SL** is a Group 2 herbicide. Any weed population may contain or develop plants naturally resistant to **AVALAIRE IMAZAMOX 1 SL** and other Group 2 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.

Suspected herbicide-resistant weeds may be identified by these indicators:

- Failure to control a weed species normally controlled by the herbicide at the dose applied, especially if control is achieved on adjacent weeds;
- A spreading patch of non-controlled plants of a particular weed species; and
- Surviving plants mixed with controlled individuals of the same species.

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

- Rotate the use of **AVALAIRE IMAZAMOX 1 SL** or other Group 2 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 such as 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 herbicides with a different mode of action, if available.
- Contact your local extension specialist or certified crop advisors for additional pesticide resistance-management and/or integrated weed management recommendations for specific crops and weed biotypes.

Report any incidence of non-performance of this product against a particular weed species to your Avalaire, LLC retailer, representative or call 984-465-4754. If resistance is suspected, treat weed escapes with an herbicide having a different mechanism of action and/or use non-chemicals means to remove escapes, as practical, with the goal of preventing further seed production.

Naturally occurring biotypes¹ of some of the weeds listed on this label may not be effectively controlled by this and/or other products with the ALS/AHAS enzyme-inhibiting mode of action. Other herbicides with the ALS/AHAS enzyme-inhibiting mode of action include the sulfonyleureas, imidazolinones, the triazolopyrimidine sulfoanilides, the sulfonaminocarbonyl triazolinones, and the pyrimidyl benzoates. If naturally occurring ALS/AHAS-resistant biotypes are present in a field, **AVALAIRE IMAZAMOX 1 SL** and/or any other ALS/AHAS enzyme-inhibiting mode of action herbicide may be tank mixed or applied sequentially with an appropriate registered herbicide having a different mode of action to ensure control.

¹A weed biotype is a naturally occurring plant within a given species that has a slightly different, but distinct, genetic makeup from other plants.

AVALAIRE IMAZAMOX 1 SL is very active against many broadleaf and grass weed species. For long-term weed management, use at least two herbicides with different modes of action to reduce the potential for weed resistance. Crop (and herbicide) rotation is effective in managing weed resistance where herbicides of different modes of action are used. Tillage, where practical (including in fallow production or before planting), is effective in controlling weeds to minimize resistance development. Additionally, a burndown herbicide during fallow or before planting is effective in reducing weed resistance development.

AVALAIRE IMAZAMOX 1 SL has no preharvest interval (PHI) for any crop.

Mixing Instructions

Postemergence application of AVALAIRE IMAZAMOX 1 SL requires the addition of an adjuvant AND a nitrogen fertilizer solution unless otherwise directed in this label.

Adjuvants

When an adjuvant (or a specific adjuvant product, including a drift control agent) is to be used with this product, the use of a Chemical Producers and Distributors Association (CPDA) certified adjuvant is advised.

Crop Oil Concentrate (COC), Methylated Seed Oil (MSO), or High Surfactant Oil Concentrate (HSOC)

Petroleum-based or vegetable seed-based crop oil concentrate may be used. Methylated seed oil is advised when weeds are under moisture or temperature stress.

Use MSO or COC at 1 to 2 gallons/100 gallons of spray solution [1% to 2% volume/volume (v/v)].

Use HSOC at 0.5 gallon/100 gallons of spray solution (0.5% v/v).

OR

Surfactant

Use nonionic surfactant (NIS) containing at least 80% active ingredient. Apply NIS at 1 quart/100 gallons of spray solution (0.25% v/v). Organosilicone surfactant may be used in place of NIS.

AND

Nitrogen Fertilizer

Specified nitrogen-based fertilizers include liquid fertilizers [including liquid ammonium sulfate (AMS), 28% N, 32% N, or 10-34-0] at 2.5 gallons/100 gallons of spray solution. Instead of liquid fertilizer, spray-grade ammonium sulfate may be used at 12 to 15 pounds/100 gallons of spray solution.

When targeting feral rye or other weeds under moisture or temperature stress, using higher nitrogen fertilizer rates [urea ammonium nitrate (UAN) at 5% v/v or 20 lbs AMS/100 gallons] may improve weed control. Additional crop response may be observed when higher fertilizer rates are used.

Nitrogen fertilizer is not required when applied in use areas south of Interstate Highway 40, except in the states of Arizona, California, New Mexico, Oklahoma, and Texas.

Liquid Fertilizer as a Carrier

DO NOT apply **AVALAIRE IMAZAMOX 1 SL** in liquid fertilizer as a carrier unless specifically allowed for a given crop. Refer to

Crop-specific Information section for adjuvant directions and/or restrictions by crop.

Additional Mixing Instructions for Dry Beans and Dry Peas [other than English Pea, Lima Bean (Succulent), Snap Bean, and Clearfield® Lentil].

AVALAIRE IMAZAMOX 1 SL application may be made to dry beans and dry peas either with or without the addition of a fertilizer. The addition of nitrogen-based fertilizer, including ammonium sulfate or liquid fertilizer (including 28-0-0), may improve weed control but also increases the likelihood of dry beans and dry peas response. When nitrogen is added to the mixture, add sodium bentazon (refer to label for rates) to minimize crop response. For application to dry peas, **ALWAYS** add sodium bentazon to the spray mixture. For enhanced grass activity, add crop oil or methylated seed oil instead of surfactant. **ALWAYS** add sodium bentazon at the rates indicated on label when crop oils and/or fertilizers are used in the spray mixture. sodium bentazon application at higher rates may reduce grass control.

See application information within **English Pea; Lima Bean (Succulent); and Snap Bean** in **Crop-specific Information** section for additional mixing instructions.

Tank Mix Instructions

When applying **AVALAIRE IMAZAMOX 1 SL** as the only herbicide:

1. Fill spray tank 1/2 to 3/4 full with clean water.
2. While agitating, add **AVALAIRE IMAZAMOX 1 SL** to the spray tank.
3. Add adjuvants.
4. Fill remainder of spray tank with water.

If other herbicides or other spray tank components are tank mixed with **AVALAIRE IMAZAMOX 1 SL**, while agitating, add components in the following order and thoroughly mix after adding each component.

1. Fill spray tank 1/2 to 3/4 full with clean water.
2. Add soluble-packet products and thoroughly mix.
3. Add WP (wettable powder), DG (dispersible granule), DF (dry flowable), or liquid flowable formulations not in soluble packets.

4. Add **AVALAIRE IMAZAMOX 1 SL** and thoroughly mix.
5. Add other aqueous solution products.
6. Add EC (emulsifiable concentrate) products.
7. Add surfactant or crop oil to the spray tank.
8. Add nitrogen fertilizer solution.
9. While agitating, fill the remainder of the tank with water.

When **AVALAIRE IMAZAMOX 1 SL** is used in combination with another herbicide, refer to the respective label for rates, methods of application, proper timing, weeds controlled, restrictions, and precautions. Always use in accordance with the most restrictive label restrictions and precautions. **DO NOT** exceed label rates. **AVALAIRE IMAZAMOX 1 SL** cannot be mixed with any product containing a label prohibiting such mixtures.

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 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.

Cleaning Spray Equipment

To avoid injury to sensitive crops, spray equipment used for **AVALAIRE IMAZAMOX 1 SL** application must be drained and thoroughly cleaned with water before being used to apply other products.

Spraying Instructions

DO NOT apply when wind conditions may result in drift, when temperature inversion conditions exist, or when spray may be carried to sensitive crops. Sensitive crops include, but are not limited to, leafy vegetables and sugar beet.

Ground Application

Uniformly apply with properly calibrated ground equipment in 10 or more gallons of water per acre. A spray pressure of 20 to 40 PSI is advised.

To ensure thorough coverage, use a minimum of 20 gallons of water per acre when applying **AVALAIRE IMAZAMOX 1 SL** to minimum-till or no-till crops. Use higher gallonage for fields with dense vegetation or heavy crop residue.

Adjust the boom height to ensure proper coverage of weed foliage (according to the manufacturer's instructions). Use flat-fan nozzle tips or similar appropriate nozzle tips to ensure thorough coverage. Avoid overlaps when spraying.

Ground Application with a Low-volume Sprayer

AVALAIRE IMAZAMOX 1 SL may be applied with a low-volume sprayer. When applying **AVALAIRE IMAZAMOX 1 SL** with a low-volume sprayer, spray weeds before they reach the maximum size listed in this label. Weed control depends on thorough spray coverage. The sprayer must be calibrated to deliver the specified spray volume and pressure to ensure thorough spray coverage of weeds.

When applying **AVALAIRE IMAZAMOX 1 SL** with a low-volume sprayer, apply a minimum of 10 gallons per acre of spray solution with a nozzle pressure between 40 to 60 PSI for optimum coverage.

Aerial Application

AVALAIRE IMAZAMOX 1 SL may be applied by air to all crops listed on this label.

Uniformly apply with properly calibrated equipment in 5 or more gallons of water per acre. **The addition of an adjuvant AND a nitrogen fertilizer solution are required for optimum weed control, unless otherwise directed in this label.**

MANDATORY SPRAY DRIFT

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.
- For applications prior to the emergence of crops and target weeds, applicators are required to use a coarse or coarser droplet size (ASABE S572.1).
- For all other applications, applicators are required to use a medium or coarser droplet size (ASABE S572.1).
- Applicators must use ½ 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 recommended by the manufacturer, but no more than 3 feet above the ground or crop canopy unless making a turf, pasture, or rangeland application, in which case applicators may apply with a nozzle height no more than 4 feet above the ground.
- For applications prior to the emergence of crops and target weeds, applicators are required to use a coarse or coarser droplet size (ASABE S572.1).
- For all other applications, applicators are required to use a medium or coarser droplet size (ASABE S572.1).
- **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.

Information on Droplet Size

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

Controlling Droplet Size – Ground Boom:

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

Controlling Droplet Size – Aircraft:

- **Adjust Nozzles** - Follow nozzle manufacturer's recommendations for setting up nozzles. Generally, to reduce fine droplets, nozzles should be oriented parallel with the airflow in flight.

BOOM HEIGHT - Ground Boom

For ground equipment, the boom should 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 need to be familiar with local wind patterns and terrain that could affect spray drift.

To the extent applicable by law, applicator is responsible for any loss or damage which results from spraying **AVALAIRE IMAZAMOX 1 SL** in a manner other than specified in this label. In addition, applicator must follow all applicable state and local regulations and ordinances in regard to spraying.

Application Information

Apply **AVALAIRE IMAZAMOX 1 SL** as a postemergence treatment when weeds are actively growing and before they exceed the maximum specified size (see **Crop-specific Information** section weeds controlled tables by crop).

Delay application until the majority of weeds are at the specified growth stage. Apply **AVALAIRE IMAZAMOX 1 SL** when weeds are small and actively growing; however, delay application in seedling alfalfa, dry beans, and dry peas until minimum growth stages have occurred. Refer to the crop-specific sections **Alfalfa** (see **Seedling Alfalfa**) and **Dry Beans and Dry Peas**.

An adjuvant (either surfactant **OR** crop oil concentrate) **AND** nitrogen fertilizer **MUST** be added to the spray solution for optimum weed control. See **Adjuvants** section under **Mixing Instructions** for specific instructions.

When **AVALAIRE IMAZAMOX 1 SL** is applied postemergence, absorption will occur through both roots and foliage. Susceptible weeds' stop growing and either die or are not competitive with the crop. **AVALAIRE IMAZAMOX 1 SL** not only controls many existing broadleaf and grass weeds when applied postemergence, it also provides activity on susceptible weeds that may emerge shortly after application.

Weeds are most easily controlled when actively growing. Under cold temperature conditions (less than 40° F maximum daytime temperature), weed control may be less.

For improved weed control, cultivate (where possible) 7 to 10 days after a postemergence **AVALAIRE IMAZAMOX**

1 SL application. This timely cultivation will enhance residual weed control activation, especially under dry conditions.

Apply **AVALAIRE IMAZAMOX 1 SL** a minimum of 1 hour before rainfall or overhead irrigation.

Crop-specific Information

Alfalfa

Apply **AVALAIRE IMAZAMOX 1 SL** early postemergence when weeds are actively growing and before they exceed a height of 3 inches, unless otherwise indicated.

Delay application until the majority of the weeds are at the specified growth stage. Apply **AVALAIRE IMAZAMOX 1 SL** to actively growing crop and weeds.

Use Rate

Apply **AVALAIRE IMAZAMOX 1 SL** early postemergence at a broadcast rate of 4 to 6 fl ozs/acre (0.031 to 0.047 lb ai/A) to seedling or established alfalfa grown for forage, hay, or seed. At the specified application rate, 1 gallon of **AVALAIRE IMAZAMOX 1 SL** will treat 21 to 32 acres.

Seedling Alfalfa

Apply **AVALAIRE IMAZAMOX 1 SL** when seedling alfalfa is in the second trifoliolate stage or larger and when the majority of weeds are 1 -inch to 3-inches tall. When applied to alfalfa grown for seed, apply **AVALAIRE IMAZAMOX 1 SL** before bud formation. For prostrate growing weeds (including mustards and filaree), apply **AVALAIRE IMAZAMOX 1 SL** before the rosette exceeds 3 inches. When **AVALAIRE IMAZAMOX 1 SL** is applied to seedling alfalfa, there may be a temporary reduction in growth. Alfalfa soon outgrows any effects of the herbicide.

Established Alfalfa

Apply **AVALAIRE IMAZAMOX 1 SL** to established alfalfa in fall, winter, or spring to dormant or semidormant alfalfa, or between cuttings. Apply before significant alfalfa growth or regrowth (3 inches) to allow **AVALAIRE IMAZAMOX 1 SL** to reach target weeds.

Alfalfa Restrictions

- **DO NOT** apply more than 6 fl ozs (0.047 lb imazamox ae/acre) **AVALAIRE IMAZAMOX 1 SL** per single application to alfalfa.
- **DO NOT** make more than one **AVALAIRE IMAZAMOX 1 SL** application to alfalfa per year.
- **DO NOT** apply more than 6 fl ozs **AVALAIRE IMAZAMOX 1 SL**/acre (0.047 lb imazamox ae/acre) to alfalfa per year.
- **PHI:** 0 days.
- **DO NOT** make sequential applications of imazethapyr followed by **AVALAIRE IMAZAMOX 1 SL** (or **AVALAIRE IMAZAMOX 1 SL** followed by imazethapyr) within a 60-day time frame because of increased potential for alfalfa crop response.

Weeds Controlled (Alfalfa)

AVALAIRE IMAZAMOX 1 SL will control or suppress listed weeds when applied postemergence at the specified rates listed as follows.

Broadleaf Weeds Controlled by AVALAIRE IMAZAMOX 1 SL in Alfalfa

	Application Rate (fl ozs/A)		
	4	5	6
	(0.031 lbs ai/A)	(0.039 lbs ai/A)	(0.047 lbs ai/A)
	Maximum Weed Size (inches)		
Bedstraw		3	3
Beet, wild	3	3	3
Buckwheat, wild		3	3
Buttercup		3	3
Canola, volunteer (non-Clearfield®)	3	3	3
Cocklebur, common	3	3	3
Filaree, redstem			3
whitestem			3
Flixweed	3	3	3
Henbit			2
Jimsonweed	3	3	3
Knotweed, prostrate		3	3
Kochia*		3	3
Lambsquarters, common	3**	3	3
Lettuce, miner's		3	3
Mallow, common	3	3	3
Venice		1	1
Morningglory, entireleaf		3	3
ivyleaf		3	3
smallflower		3	3
tall		3	3
Mustard, Black	3	3	4
tumble	3	3	3
wild	3	3	4
Nettle, burning		2	2
Nettleleaf goosefoot	3	3	3
Nightshade, black	3	5	5
Eastern black	3	5	5
hairy	3	4	5
Pennycress, field	3	3	3
Pigweed, redroot	3	4	5
smooth	3	4	4
spiny	3	3	3
Purslane, common			3
Radish, wild	3	3	3
Rocket, London		3	3
yellow		4	4
Shepherd's-purse			3
Smartweed, ladysthumb	3	3	3
Pennsylvania	3	3	3
swamp		3	3
Spurge, prostrate		3	3
Sunflower, common		3	3

	Application Rate (fl ozs/A)		
	4 (0.031 lbs ai/A)	5 (0.039 lbs ai/A)	6 (0.047 lbs ai/A)
	Maximum Weed Size (inches)		
Swinecress		3	3
Tansymustard, green	3	3	4
Thistle, Russian		3	3
Velvetleaf	3	4	5
Willoweed panicle		3	3

*AVALAIRE IMAZAMOX 1 SL controls non-ALS-resistant kochia only.

** AVALAIRE IMAZAMOX 1 SL controls common lambsquarters at 4 fl ozs/A (0.031 lbs ai/A) east of the Rocky Mountains.

Broadleaf Weeds Suppressed by AVALAIRE IMAZAMOX 1 SL in Alfalfa

	Application Rate (fl ozs/A)		
	4 (0.031 lbs ai/A)	5 (0.039 lbs ai/A)	6 (0.047 lbs ai/A)
	Maximum Weed Size (inches)		
Chickweed, common	3	3	3
Dandelion			3
Dock, curly		3	3
Dodder*			3
Fiddleneck			3
Ragweed, common		3	3
giant		3	3
Thistle, Canada			3
Shepherd's-purse	3	3	

*For suppression of dodder, apply AVALAIRE IMAZAMOX 1 SL after dodder has emerged until soon after dodder attaches to alfalfa.

Grass Weeds Controlled by AVALAIRE IMAZAMOX 1 SL in Alfalfa

	Application Rate (fl ozs/A)		
	4 (0.031 lbs ai/A)	5 (0.039 lbs ai/A)	6 (0.047 lbs ai/A)
	Maximum Weed Size (inches)		
Barnyardgrass		3	3
Blackgrass	3	3	3
Brome, California	3	3	3
cheat	3	3	3
downy	3	3	3
Japanese	3	3	3
Canarygrass, littleseed	3	3	3
Cereals, volunteer			
barley	3	3	3
oat	3	3	3

	Application Rate (fl ozs/A)		
	4	5	6
	(0.031 lbs ai/A)	(0.039 lbs ai/A)	(0.047 lbs ai/A)
	Maximum Weed Size (inches)		
wheat (non-Clearfield®)	3	3	3
Corn, volunteer	4	5	6
Crabgrass, large		3	3
Darnel, Persian	3	3	3
Foxtail, giant	3	4	5
green	3	3	4
yellow	3	3	4
Johnsongrass, seedling		3	3
Jointed goatgrass	3	3	3
Lovegrass	3	3	3
Millet, wild proso		3	3
Oat, wild	3	3	3
Rye, feral or cereal		3	3
Ryegrass, Italian	3	3	3
Shattercane	3	4	5

Grass Weeds and Sedges Suppressed by AVALAIRE IMAZAMOX 1 SL in Alfalfa

	Application Rate (fl ozs/A)		
	4	5	6
	(0.031 lbs ai/A)	(0.039 lbs ai/A)	(0.047 lbs ai/A)
	Maximum Weed Size (inches)		
Grass Weeds			
Bluegrass, annual			3
Johnsongrass, rhizome			3
Sedges			
Nutsedge, purple			3
common			3
Quackgrass			3

Tank Mix Herbicides

To control weeds not listed on the **AVALAIRE IMAZAMOX 1 SL** label, other herbicides may be tank mixed with **AVALAIRE IMAZAMOX 1 SL**. When **AVALAIRE IMAZAMOX 1 SL** is used in combination with another herbicide, refer to the respective label for rates, methods of application, proper timing, weeds controlled, restrictions, and precautions. Always use in accordance with the most restrictive label restrictions and precautions. **DO NOT** exceed label rates.

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 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.

Chicory[*]

[***DO NOT** use on chicory in California.]

Apply **AVALAIRE IMAZAMOX 1 SL** early postemergence when weeds are actively growing and before they exceed a height of

3 inches, unless otherwise indicated. Apply **AVALAIRE IMAZAMOX 1 SL** early postemergence when chicory has at least 2, and no more than 4, fully expanded true leaves present. **DO NOT** apply to chicory subjected to stress conditions, including hail damage, flooding, drought, injury from other herbicides, or widely fluctuating temperatures, or crop injury may result.

THIS PRODUCT WHEN USED IN CHICORY MAY LEAD TO CROP INJURY, LOSS, OR DAMAGE. AVALAIRE ADVISES THAT THE USER AND/OR GROWER TEST THIS PRODUCT TO DETERMINE ITS SUITABILITY FOR SUCH INTENDED USE.

Use Rate

Apply **AVALAIRE IMAZAMOX 1 SL** early postemergence to chicory at a broadcast rate of 4 fl ozs/acre (0.031 lb imazamox ae/acre). At this rate, 1 gallon of **AVALAIRE IMAZAMOX 1 SL** will treat 32 acres of chicory. The use of a soil-applied grass herbicide is advised before **AVALAIRE IMAZAMOX 1 SL** application.

Application of **AVALAIRE IMAZAMOX 1 SL** requires the addition of a surfactant. Refer to **Mixing Instructions** section for specific surfactant types and rates.

Addition of nitrogen fertilizer, including 28-0-0 or 32-0-0 liquid fertilizer, may improve weed control but also increases the likelihood of injury to chicory. Add liquid fertilizer at 2.5% v/v.

Chicory Restrictions

- **DO NOT** apply more than 4 fl ozs **AVALAIRE IMAZAMOX 1 SL**/acre (0.031 lb ai/A) per single application to chicory.
- **DO NOT** make more than one **AVALAIRE IMAZAMOX 1 SL** application to chicory per year.
- **DO NOT** apply more than 4 fl ozs **AVALAIRE IMAZAMOX 1 SL**/acre (0.031 lb ai/A) to chicory per year.
- **PHI:** 0 days.

Weeds Controlled (Chicory)

Broadleaf Weeds Controlled by **AVALAIRE IMAZAMOX 1 SL** in Chicory

AVALAIRE IMAZAMOX 1 SL at 4 fl ozs/A (0.031 lbs ai/A) + surfactant	
Maximum Weed Size (inches)	
Beet, wild	3
Flixweed	3
Jimsonweed	3
Lambsquarters, common	3
Mustard, black	3
tumble	3
wild	3
Nightshade, black	3
Eastern black	3
hairy	3
Pennycress, field	3
Pigweed, redroot	3

smooth	3
spiny	3
Radish, wild	3
Shepherd's-purse	3
Tansymustard, green	3

Grass Weeds Controlled by AVALAIRE IMAZAMOX 1 SL in Chicory

AVALAIRE IMAZAMOX 1 SL at 4 fl ozs/A (0.031 lbs ai/A) + surfactant	
Maximum Weed Size (inches)	
Brome, cheat	3
downy	3
Japanese	3
Cereals, volunteer	
barley	3
oat	3
wheat (non-Clearfield®)	3
Darnel, Persian	3
Foxtail, giant	3
green	3
yellow	3
Jointed goatgrass	3
Oat, wild	3
Shattercane	3

Grass Weeds and Sedges Suppressed by AVALAIRE IMAZAMOX 1 SL in Chicory

AVALAIRE IMAZAMOX 1 SL at 4 fl ozs/A (0.031 lbs ai/A) + surfactant	
Maximum Weed Size (inches)	
Grass Weeds	
Crabgrass, large	3
smooth	3
Sedges	
Nutsedge, purple	3
yellow	3
Quackgrass	3

Clover Grown for Nonfood and Nonfeed[*]

[*Not for use in California.]

Application Instructions

Apply **AVALAIRE IMAZAMOX 1 SL** early postemergence at a rate of 4 to 5 fl ozs/acre (0.031 to 0.039 lb imazamox ai/acre) with a spray adjuvant; when clover has a minimum of 2 trifoliolate leaves; and when the majority of weeds are 1 -inch to 3-inches tall.

Mixing Instructions per 1000 square feet

To treat 1000 square feet, mix the following amount of **AVALAIRE IMAZAMOX 1 SL** per gallon of spray mixture.

One gallon of spray mixture will treat 1000 square feet.

AVALAIRE IMAZAMOX 1 SL Rate fl ozs/A	AVALAIRE IMAZAMOX 1 SL Rate (fl ozs/1000sqft)	Teaspoons* Per 1000 sq ft
4 (0.031 lbs ai/A)	0.09	0.5
5 (0.039 lbs ai/A)	0.15	0.9

*One teaspoon = 0.167 fluid ounces

Clover Grown for Nonfood and Nonfeed Restrictions

- **DO NOT** apply more than 5 fl ozs **AVALAIRE IMAZAMOX 1 SL**/acre (0.039 lb imazamox ai/acre) per single application to clover grown for nonfood and nonfeed.
- **DO NOT** make more than one **AVALAIRE IMAZAMOX 1 SL** application per year.
- **DO NOT** apply more than 5 fl ozs **AVALAIRE IMAZAMOX 1 SL**/acre (0.039 lb imazamox ai/acre) per year.
- **PHI:** 0 days.
- Not for use on clover grown for seed. See **Clover Grown for Seed** section for use directions.

Weeds Controlled (Clover Grown for Nonfood and Nonfeed)

Broadleaf Weeds Controlled by AVALAIRE IMAZAMOX 1 SL in Clover Grown for Nonfood and Nonfeed

	Maximum Weed Size (inches)
Bedstraw	3
Beet, wild	3
Buckwheat, wild	3
Buttercup	3
Canola, volunteer (non-Clearfield®)	3
Cocklebur, common	3
Flixweed	3
Jimsonweed	3
Knotweed, prostrate	3
Kochia*	3
Lambsquarters, common	3
Lettuce, miner's	3
Mallow, common	3
Venice	1
Morningglory, entireleaf	3
ivyleaf	3
smallflower	3
tall	3
Mustard, black	3
tumble	3
wild	3
Nettle, burning	2
Nettleleaf goosefoot	3
Nightshade, black	5
Eastern black	5
hairy	4
Pennycress, field	3
Pigweed, red root	4

	Maximum Weed Size (inches)
smooth	4
spiny	3
Radish, wild	3
Rocket, London	3
yellow	4
Smartweed, ladythumb	3
Pennsylvania	3
swamp	3
Spurge, prostrate	3
Sunflower, common	3
Swinecress	3
Tansymustard, green	3
Thistle, Russian	3
Velvetleaf	4
Willoweed panicle	3

* **AVALAIRE IMAZAMOX 1 SL** controls non-ALS-resistant kochia only.

Broadleaf Weeds Suppressed by AVALAIRE IMAZAMOX 1 SL in Clover Grown for Nonfood and Nonfeed

	Maximum Weed Size (inches)
Chickweed, common	3
Dock, curly	3
Ragweed, common	3
giant	3
Shepherd's-purse	3

Grass Weeds Controlled by AVALAIRE IMAZAMOX 1 SL herbicide in Clover Grown for Nonfood and Nonfeed

	Maximum Weed Size (inches)
Barnyardgrass	3
Blackgrass	3
Brome, California	3
cheat	3
downy	3
Japanese	3
Canarygrass, littleseed	3
Cereals, volunteer	
barley	3
oat	3
wheat (non-Clearfield®)	3
Corn, volunteer	5
Crabgrass, large	3
Darnel, Persian	3
Foxtail, giant	4
green	3
yellow	3
Johnsongrass, seedling	3
Jointed goatgrass	3

	Maximum Weed Size (inches)
Lovegrass	3
Millet, wild proso	3
Oat, wild	3
Rye, feral or cereal	3
Ryegrass, Italian	3
Shattercane	4

Clover Grown for Seed

For use only in Oregon and Washington.

Application Timing

Apply **AVALAIRE IMAZAMOX 1 SL** early postemergence in a tank mix, as described below, when clover has a minimum of 2 trifoliolate leaves and when the majority of weeds are 1 -inch to 3-inches tall. **AVALAIRE IMAZAMOX 1 SL** application must be made before clover bloom.

Use Rate

Apply **AVALAIRE IMAZAMOX 1 SL** early postemergence to clover grown for seed at a broadcast rate of 5 fl ozs/acre (0.039 lb imazamox ai/acre).

Application of **AVALAIRE IMAZAMOX 1 SL** in clover grown for seed requires the addition of an adjuvant, nitrogen fertilizer, and sodium bentazon.

Adjuvants

- **Nonionic surfactant** - Use NIS containing at least 80% active ingredient. Apply NIS at 0.25% v/v (1 quart/100 gallons of spray solution).
- OR**
- **Crop oil concentrate** - Use COG at 1 pint/acre (0.5 gallon/100 gallons of spray solution).
- OR**
- **High surfactant oil concentrate** - Use HSOC at 0.5% v/v (0.5 gallon/100 gallons of spray solution).

Nitrogen Fertilizer

Specified nitrogen-based fertilizers include liquid fertilizers (including 28% N, 32% N, or 10-34-0) at 2.5 gallons/100 gallons of spray solution. Instead of liquid fertilizer, spray-grade ammonium sulfate may be used at 12 to 15 pounds/100 gallons of spray solution.

Sodium bentazon

Add sodium bentazon (refer to label for use rates) to minimize crop response. sodium bentazon application at higher rates may reduce grass control. sodium bentazon may only be applied to clover grown for seed.

Apply **AVALAIRE IMAZAMOX 1 SL** plus sodium bentazon tank mix a minimum of 4 hours before rainfall or overhead irrigation.

Clover Grown for Seed Restrictions

- **AVALAIRE IMAZAMOX 1 SL** application must be made before clover bloom.
- **DO NOT** apply more than 5 fl ozs **AVALAIRE IMAZAMOX 1 SL**/acre (0.039 lb imazamox ae/acre) per single application to clover grown for seed.
- **DO NOT** make more than one **AVALAIRE IMAZAMOX 1 SL** application to clover grown for seed per year.
- **DO NOT** apply more than 5 fl ozs **AVALAIRE IMAZAMOX 1 SL**/acre (0.039 lb imazamox ae/acre) to clover grown for seed per year.

- **PHI:** 0 days.
- If arid conditions occur during the year of application, rotational crop injury may occur.
- **DO NOT** apply to clover subjected to stress conditions, including hail damage, flooding, drought, injury from other herbicides, or widely fluctuating temperatures, or crop injury may result.
- **DO NOT** apply to weeds under stress, including lack of moisture, previous herbicide injury, mechanical injury, or cold temperatures, or unsatisfactory weed control could result.
- Refer to sodium bentazon label for use rates, maximum amount per application, maximum number of applications per year and maximum amount per year.

Weeds Controlled (Clover Grown for Seed)

AVALAIRE IMAZAMOX 1 SL will control or suppress listed weeds when applied postemergence to 1 -inch to 3-inch weeds (unless otherwise indicated) at the specified rates listed as follows.

Broadleaf Weeds Controlled by AVALAIRE IMAZAMOX 1 SL in Clover Grown for Seed

AVALAIRE IMAZAMOX 1 SL at 5 fl ozs/A (0.039 lbs ai/A) + surfactant, COC, or HSOC + nitrogen-based fertilizer + Sodium bentazon	
Maximum Weed Size (inches)	
Bedstraw	3
Beet, wild	3
Buttercup	3
Chickweed, common	3
Cocklebur, common	3
Flixweed	3
Jimsonweed	3
Mustard, black	3
tumble	3
wild	3
Nightshade, black	5
Eastern black	3
hairy	3
Pennycress, field	3
Pigweed, redroot	3
smooth	3
spiny	3
Puncturevine	3
Radish, wild	3
Shepherd's-purse	3
Tansymustard, green	3
Velvetleaf	3

Broadleaf Weeds Suppressed by AVALAIRE IMAZAMOX 1 SL in Clover Grown for Seed

AVALAIRE IMAZAMOX 1 SL at 5 fl ozs/A (0.039 lbs ai/A)

+ surfactant, COC, or HSOC

+ nitrogen-based fertilizer

+ Sodium bentazon

Maximum Weed Size

(inches)

Buckwheat, wild	3
Chickweed, common	3
Knotweed, prostrate	3
Kochia*	3
Lambsquarters, common	3
Lettuce, miner's	3
Morningglory, entireleaf	3
ivyleaf	3
smallflower	3
tall	3
Purslane, common	3
Rocket, London	3
yellow	3
Smartweed, ladythumb	3
Pennsylvania	3
Spurge, prostrate	3

*AVALAIRE IMAZAMOX 1 SL controls non-ALS-resistant kochia only.

Grass Weeds Controlled by AVALAIRE IMAZAMOX 1 SL in Clover Grown for Seed

AVALAIRE IMAZAMOX 1 SL at 5 fl ozs/A (0.039 lbs ai/A)

+ surfactant, COC, or HSOC

+ nitrogen-based fertilizer

+ Sodium bentazon

Maximum Weed Size

(inches)

Blackgrass	3
Brome, cheat	3
downy	3
Japanese	3
Canarygrass, littleseed	3
Cereals, volunteer	
barley	3
oat	3
wheat (non-Clearfield®)	3
Corn, volunteer*	2 to 8
Darnel, Persian	3
Foxtail, giant	3
green	3
yellow	3
Jointed goatgrass	3
Oat, wild	3
Ryegrass, Italian	3
Shattercane	3

*Except Clearfield corn

Grass Weeds and Sedges Suppressed by AVALAIRE IMAZAMOX 1 SL in Clover Grown for Seed

AVALAIRE IMAZAMOX 1 SL at 5 fl ozs/A (0.039 lbs ai/A) + surfactant, COC, or HSOC + nitrogen-based fertilizer + Sodium bentazon	
Maximum Weed Size (inches)	
Grass Weeds	
Barnyardgrass	3
Crabgrass, large smooth	3
Johnsongrass, rhizome	3
Sedges	
Nutsedge, purple yellow	3
Quackgrass	3

**Dry Beans and Dry Peas[*]
[other than English Pea, Lima Bean (Succulent), Snap Bean, and Clearfield® Lentil]**

[*DO NOT apply AVALAIRE IMAZAMOX 1 SL to dry beans and dry peas in California.]

AVALAIRE IMAZAMOX 1 SL may be applied to the following dry beans and dry peas:

Dry Beans		Dry Peas
Adzuki	Lima (dry)	Dry edible peas (field peas) Southern pea (cow pea)
Anasazi	Navy	
Black	Pink	
Black turtle	Pinto	
Cranberry	Red kidney	
Great Northern	Small red	
Lablab	Small white	

DO NOT apply AVALAIRE IMAZAMOX 1 SL to succulent pea, snap bean, or fresh lima (except as specifically directed below).

DO NOT apply AVALAIRE IMAZAMOX 1 SL to chickpea (garbanzo bean) or lentil.

Reduced crop growth, quality, and yield; temporary yellowing; and/or delayed maturity may result from **AVALAIRE IMAZAMOX 1 SL** application to dry bean and dry pea crops listed on this label. Because crop maturity may be delayed, timing of harvest may need to be adjusted accordingly. **DO NOT apply AVALAIRE IMAZAMOX 1 SL** if planting is delayed and chance of frost before maturity is likely. Some varieties of dry beans and dry peas are more sensitive to **AVALAIRE IMAZAMOX 1 SL** than other varieties. Growers may check with the seed company regarding the safety of AVALAIRE IMAZAMOX 1 SL to their variety.

USE AVALAIRE IMAZAMOX 1 SL ONLY if proper agronomic practices have been used, including good soil fertility, proper crop rotation, disease and insect management, and tillage practices that eliminate compaction and hardpans. **AVALAIRE IMAZAMOX 1 SL** is effective in controlling weeds in conservation tillage and conventional tillage production systems. Apply **AVALAIRE IMAZAMOX 1 SL** postemergence before bloom stage but after dry beans have at least 1 fully expanded trifoliolate leaf and dry peas have at least 3 pairs of leaves. Delay application until the majority of weeds are at the specified growth stage.

Base application timing on weed size and crop growth stage. Apply **AVALAIRE IMAZAMOX 1 SL** to actively growing crop and weeds.

THIS PRODUCT WHEN USED ON DRY BEANS AND DRY PEAS MAY LEAD TO CROP INJURY, LOSS, OR DAMAGE. Avalaire ADVISES THAT THE USER AND/OR GROWER TEST THIS PRODUCT TO DETERMINE ITS SUITABILITY FOR SUCH INTENDED USE.

Use Rate

Apply **AVALAIRE IMAZAMOX 1 SL** postemergence to dry beans and dry peas at a broadcast rate of 4 fl ozs/acre (0.031 lb imazamox ai/acre). At this application rate, one gallon will treat 32 acres of dry beans and dry peas.

Additional Mixing Instructions for Dry Beans and Dry Peas

AVALAIRE IMAZAMOX 1 SL application may be made to dry beans and dry peas with or without addition of fertilizer. Addition of nitrogen-based fertilizer, including ammonium sulfate or liquid fertilizers (including 28-0-0), may improve weed control but also increases the likelihood of dry bean response. When nitrogen and/or crop oil are added to the mixture, add sodium bentazon (refer to label for use rates) as a tank mix partner to minimize crop response.

For application to dry peas, **ALWAYS** add sodium bentazon to the spray mixture, regardless of additives used. For enhanced grass activity, add crop oil concentrate instead of surfactant. sodium bentazon at higher rates will enhance control of common lambsquarters and kochia. sodium bentazon application at higher rates may reduce grass weed control.

Dry Beans and Dry Peas Restrictions

- AVALAIRE IMAZAMOX 1 SL application must be made before dry beans and dry peas bloom.
- **DO NOT** apply more than 4 fl ozs AVALAIRE IMAZAMOX 1 SL/acre (0.031 lb imazamox ai/acre) per single application to dry beans and dry peas.
- **DO NOT** make more than one AVALAIRE IMAZAMOX 1 SL application to dry beans and dry peas per year.
- **DO NOT** apply more than 4 fl ozs AVALAIRE IMAZAMOX 1 SL/acre (0.031 lb imazamox ai/acre) to dry beans and dry peas per year.
- **PHI:** 0 days.

Weeds Controlled (Dry Beans and Dry Peas [other than English Pea, Lima Bean (Succulent), Snap Bean, and Clearfield® Lentil])

AVALAIRE IMAZAMOX 1 SL will control or suppress listed weeds when applied postemergence to 1 -inch to 3-inch weeds (unless otherwise indicated) at the specified rates listed as follows.

Broadleaf Weeds Controlled by AVALAIRE IMAZAMOX 1 SL in Dry Beans and Dry Peas [other than English Pea, Lima Bean (Succulent), Snap Bean, and Clear-field® Lentil]

	AVALAIRE IMAZAMOX 1 SL at 4 fl ozs/A (0.031 lbs ai/A) + NIS	AVALAIRE IMAZAMOX 1 SL at 4 fl ozs/A (0.031 lbs ai/A) + NIS or COC + nitrogen-based fertilizer + Sodium bentazon
	Maximum Weed Size (inches)	
Bedstraw		3
Beet, wild	3	3
Buttercup		3

Chickweed, common		3
Cocklebur, common		3
Flixweed	3	3
Jimsonweed	3	3
Lambsquarters, common*	3	3
Mustard, black	3	3
tumble	3	3
wild	3	3
Nightshade, black	3	3
Eastern black	3	3
hairy	3	3
Pennycress, field	3	3
Pigweed, redroot	3	3
smooth	3	3
spiny	3	3
Puncturevine		3
Radish, wild	3	3
Shepherd's-purse	3	3
Tansymustard, green	3	3
Velvetleaf		3

***AVALAIRE IMAZAMOX 1 SL** controls common lambsquarters at 4 fl ozs/A (0.031 lbs ai/A) east of the Rocky Mountains.

Broadleaf Weeds Suppressed by AVALAIRE IMAZAMOX 1 SL in Dry Beans and Dry Peas [other than English Pea, Lima Bean (Succulent), Snap Bean, and Clearfield® Lentil]

	AVALAIRE IMAZAMOX 1 SL at 4 fl ozs/A (0.031 lbs ai/A) + NIS	AVALAIRE IMAZAMOX 1 SL at 4 fl ozs/A (0.031 lbs ai/A) + NIS or COC + nitrogen-based fertilizer + Sodium bentazon
	Maximum Weed Size (inches)	
Buckwheat, wild		3
Chickweed, common	3	
Knotweed, prostrate		3
Kochia*		3
Lettuce, miner's		3
Morningglory, entireleaf		3
ivyleaf		3
smallflower		3
tall		
Purslane, common		
Rocket, London		3
yellow		3

Smartweed, ladythumb	3
Pennsylvania	3
Spurge, prostrate	3

*AVALAIRE IMAZAMOX 1 SL controls non-ALS-resistant kochia only.

Grass Weeds Controlled by AVALAIRE IMAZAMOX 1 SL in Dry Beans and Dry Peas [other than English Pea, Lima Bean (Succulent), Snap Bean, and Clearfield® Lentil]

	AVALAIRE IMAZAMOX 1 SL at 4 fl ozs/A (0.031 lbs ai/A) + NIS	AVALAIRE IMAZAMOX 1 SL at 4 fl ozs/A (0.031 lbs ai/A) + NIS or COC + nitrogen-based fertilizer + Sodium bentazon
	Maximum Weed Size (inches)	
Blackgrass		3
Brome, cheat	3	3
downy	3	3
Japanese	3	3
Canarygrass, littleseed		3
Cereals, volunteer	3	3
barley		
oat	3	3
wheat (non-Clearfield®)	3	3
Corn, volunteer*		2 to 8
Darnel, Persian	3	3
Foxtail, giant	3	3
green	3	3
yellow	3	3
Jointed goatgrass	3	3
Oat, wild	3	3
Ryegrass, Italian		3
Shattercane	3	3

*Except Clearfield corn

Grass Weeds and Sedges Suppressed by AVALAIRE IMAZAMOX 1 SL in Dry Beans and Dry Peas [other than English Pea, Lima Bean (Succulent), Snap Bean, and Clearfield® Lentil]

	AVALAIRE IMAZAMOX 1 SL at 4 fl ozs/A (0.031 lbs ai/A) + NIS	AVALAIRE IMAZAMOX 1 SL at 4 fl ozs/A (0.031 lbs ai/A) + NIS or COC + nitrogen-based fertilizer + Sodium bentazon
	Maximum Weed Size (inches)	
Grass Weeds		
Barnyardgrass		3
Crabgrass, large	3	3

smooth	3	3
Johnsongrass, rhizome		3
Sedges		
Nutsedge, purple	3	3
yellow	3	3
Quackgrass	3	3

Edamame (Vegetable Soybean)[*]

[*Not for use on edamame in California.]

AVALAIRE IMAZAMOX 1 SL use on edamame may lead to crop injury or loss. Users or growers need to evaluate **AVALAIRE IMAZAMOX 1 SL** for crop response on the varieties being grown to determine if **AVALAIRE IMAZAMOX 1 SL** use is acceptable.

Use Rate

Early Postemergence Application. Apply **AVALAIRE IMAZAMOX 1 SL** to edamame at the broadcast rate of 4 fl ozs/acre (0.031 lb imazamox ai/acre). Base application timing on weed size and crop growth stage. Apply to actively growing crop and weeds.

Apply **AVALAIRE IMAZAMOX 1 SL** after edamame emergence and before fourth trifoliolate when weeds are less than 3-inches tall.

DO NOT apply **AVALAIRE IMAZAMOX 1 SL** after edamame begins flowering.

Nonionic surfactant containing at least 80% active ingredient needs to be used at a rate of 1 quart per 100 gallons of spray solution.

For weeds controlled or suppressed in edamame, refer to **Weeds Controlled (Dry Beans and Dry Peas [other than English Pea, Lima Bean (Succulent), Snap Bean, and Clearfield® Lentil])** in **Crop-specific Information** section.

Edamame Restrictions

- **DO NOT** apply **AVALAIRE IMAZAMOX 1 SL** after edamame begins flowering.
- apply more than 4 fl ozs **AVALAIRE IMAZAMOX 1 SL**/acre (0.031 lb imazamox ai/acre) per single application to edamame.
- **DO NOT** make more than one **AVALAIRE IMAZAMOX 1 SL** application to edamame per year.
- **DO NOT** apply more than 4 fl ozs **AVALAIRE IMAZAMOX 1 SL**/acre (0.031 lb imazamox ai/acre) to edamame per year.
- **PHI:** 0 days.

English Pea[*]

[*Not for use on English pea in California.]

For postemergence use on English pea.

Use **AVALAIRE IMAZAMOX 1 SL ONLY** if proper agronomic practices have been used, including good soil fertility, proper crop rotation, disease and insect management, and tillage practices that eliminate compaction and hardpans.

Reduced crop growth, quality and yield, temporary yellowing and/or delayed maturity may result from a **AVALAIRE IMAZAMOX 1 SL** application to English peas. Because crop maturity may be delayed, timing of harvest may need to be adjusted accordingly. **DO NOT** apply **AVALAIRE IMAZAMOX 1 SL** if planting is delayed and a chance of frost before maturity is likely. Growers need to check with the seed company regarding the safety of **AVALAIRE**

IMAZAMOX 1 SL to their variety.

THIS PRODUCT WHEN USED ON ENGLISH PEA MAY LEAD TO CROP INJURY, LOSS, OR DAMAGE. AVALAIRE ADVISES THAT THE USER AND/OR GROWER TEST THIS PRODUCT TO DETERMINE ITS SUITABILITY FOR SUCH INTENDED USE.

Use Rate

Early Postemergence Application. Apply **AVALAIRE IMAZAMOX 1 SL** to English pea at the broadcast rate of 3 fl ozs/acre (0.023 lb imazamox ai/acre). Base application timing on weed size and crop growth stage. Apply **AVALAIRE IMAZAMOX 1 SL** to actively growing crop and weeds.

Apply **AVALAIRE IMAZAMOX 1 SL** postemergence to English peas at least 3-inches tall but before 5 nodes before flowering. The use of trifluralin before **AVALAIRE IMAZAMOX 1 SL** application may increase the likelihood and severity of crop injury.

Nonionic surfactant **MUST** be added to the spray solution. NIS **MUST** contain at least 80% active ingredient and be used at 1 quart/100 gallons of spray solution.

Addition of nitrogen-based fertilizer, including ammonium sulfate, or liquid fertilizers (including 28-0-0) may improve weed control but also increases the likelihood of English pea response.

When nitrogen-based fertilizer is added to the mixture, add sodium bentazon as a tank mix partner (refer to label for use rates) to minimize crop response. Specified nitrogen-based fertilizers include liquid fertilizers (including 28% N, 32% N, or 10-34-0) at 2.5 gallons/100 gallons of spray solution.

Instead of liquid fertilizer, spray-grade ammonium sulfate may be used at 12 to 15 pounds/100 gallons of spray solution.

For enhanced grass activity, add COG at 1 gallon/100 gallons instead of NIS. **ALWAYS** add sodium bentazon at the rates indicated on the product label when COG and/or nitrogen-based fertilizer are used in the spray mixture. sodium bentazon application at higher rates may reduce grass control:

Apply **AVALAIRE IMAZAMOX 1 SL** a minimum of 1 hour before rainfall or overhead irrigation.

For use in Delaware, Maryland, and New York: AVALAIRE IMAZAMOX 1 SL MUST be applied with sodium bentazon (refer to label for use rates) to minimize crop response. Nonionic surfactant **MUST** be added to the spray solution. NIS **MUST** contain at least 80% active ingredient and be used at a rate of 1 quart/100 gallons of spray solution. **DO NOT** use COG/ MSO, HSOC, or nitrogen-based fertilizer.

English Pea Restrictions

- apply more than 3 fl ozs **AVALAIRE IMAZAMOX 1 SL**/acre (0.023 lb imazamox ai/acre) per single applications to English pea.
- **DO NOT** make more than one **AVALAIRE IMAZAMOX 1 SL** application to English pea per year.
- **DO NOT** apply more than 3 fl ozs **AVALAIRE IMAZAMOX 1 SL**/acre (0.023 lb imazamox ai/acre) to English pea per year.
- **PHI:** 0 days.

Weeds Controlled (English Pea)

AVALAIRE IMAZAMOX 1 SL will control listed weeds when applied postemergence at the specified rates listed as follows.

	AVALAIRE IMAZAMOX 1 SL at 3 fl ozs/A (0.023 lbs ai/A)	AVALAIRE IMAZAMOX 1 SL at 3 fl ozs/A (0.023 lbs ai/A) + Sodium bentazon
	Maximum Weed Size (inches)	
Nightshade, black	3	3
Eastern black hairy	3	3
Mustard, black tumble wild	3	3
Pennycress, field	3	3
Pigweed, redroot smooth spiny	3	3
Shepard's-purse	3	3

Lima Bean (Succulent)[*]

[*Not for use on lima bean (succulent) in California.]

For postemergence use in lima bean (succulent).

Apply **AVALAIRE IMAZAMOX 1 SL** ONLY if proper agronomic practices have been used, including good soil fertility, proper crop rotation, disease and insect management and tillage practices that eliminate compaction and hardpans.

Occasionally, internode shortening and/or temporary yellowing of crop plants may occur following **AVALAIRE IMAZAMOX 1 SL** application in lima bean. These effects can be more pronounced if crops are growing under stressful environmental or hot and humid conditions. These effects occur infrequently and are temporary. Normal growth and appearance may resume within days.

THIS PRODUCT WHEN USED ON LIMA BEAN (SUCCULENT) MAY LEAD TO CROP INJURY, LOSS, OR DAMAGE. AVALAIRE ADVISES THAT THE USER AND/OR GROWER TEST THIS PRODUCT TO DETERMINE ITS SUITABILITY FOR SUCH INTENDED USE.

Use Rate

Early Postemergence Application. Apply **AVALAIRE IMAZAMOX 1 SL** to lima bean (succulent) at the broadcast rate of 4 fl ozs/acre (0.031 lb imazamox ai/acre) tank mixed with sodium bentazon. When used in lima beans, **AVALAIRE IMAZAMOX 1 SL** must be applied with sodium bentazon to minimize crop response. sodium bentazon application at higher rates may reduce grass control.

Base application timing on weed size and crop growth stage. Apply to actively growing crop and weeds. Apply **AVALAIRE IMAZAMOX 1 SL** + sodium bentazon postemergence to lima beans in the first to second trifoliolate leaf stage and to weeds that are less than 3-inches tall. Application before the first trifoliolate leaf stage may result in increased crop response. **DO NOT** apply **AVALAIRE IMAZAMOX 1 SL** + sodium bentazon to lima beans during flowering.

Nonionic surfactant **MUST** be added to the spray solution. NIS **MUST** contain at least 80% active ingredient and be used at 1 quart/100 gallons of spray solution.

AVALAIRE IMAZAMOX 1 SL tank mixes with any pesticide other than sodium bentazon are not advised. Certain insecticide and herbicide tank mixes with **AVALAIRE IMAZAMOX 1 SL** in lima beans have shown unacceptable crop response.

Apply **AVALAIRE IMAZAMOX 1 SL** a minimum of 1 hour before rainfall or overhead irrigation.

Lima Bean (Succulent) Restrictions

- **DO NOT** apply more than 4 fl ozs **AVALAIRE IMAZAMOX 1 SL**/acre (0.031 lb imazamox ai/acre) per single application to lima bean (succulent) per year.
- **DO NOT** make more than one **AVALAIRE IMAZAMOX 1 SL** application to lima bean (succulent) per year.
- **DO NOT** apply more than 4 fl ozs **AVALAIRE IMAZAMOX 1 SL**/acre (0.031 lb imazamox ai/acre) to lima bean (succulent) per year.
- **PHI:** 0 days.

Weeds Controlled [Lima Bean (Succulent)]

AVALAIRE IMAZAMOX 1 SL will control or suppress listed weeds when applied postemergence at the specified rates listed as follows.

Broadleaf Weeds Controlled by AVALAIRE IMAZAMOX 1 SL in Lima Bean (Succulent)

**AVALAIRE IMAZAMOX 1 SL at 4 fl ozs/A
(0.031 lbs ai/A) + Sodium bentazon
Maximum Weed Size
(inches)**

Bedstraw	3
Beet, wild	3
Buttercup	3
Chickweed, common	3
Jimsonweed	3
Mustard, black	3
tumble	3
wild	3
Nightshade, black	3
Eastern black	3
hairy	3
Pennycress, field	3
Pigweed, redroot	3
smooth	3
spiny	3
Puncturevine	3
Radish, wild	3
Shepherd's-purse	3
Tansymustard, green	3

Broadleaf Weeds Suppressed by AVALAIRE IMAZAMOX 1 SL herbicide in Lima Bean (Succulent)

**AVALAIRE IMAZAMOX 1 SL at 4 fl ozs/A (0.031 lbs ai/A)
+ Sodium bentazon**

Maximum Weed Size	
(inches)	
Buckwheat, wild	3
Chickweed, common	3
Cocklebur, common	3
Knotweed, prostrate	3
Kochia*	3
Lambsquarters, common	3
Lettuce, miner's	3
Morningglory, entireleaf	3
Ivyleaf	3
smallflower	3
tall	3
Purslane, common	3
Rocket, London	3
Smartweed, ladythumb	3
Pennsylvania	3
Spurge, prostrate	3

*AVALAIRE IMAZAMOX 1 SL controls non-ALS-resistant kochia only.

Grass Weeds Controlled by AVALAIRE IMAZAMOX 1 SL in Lima Bean (Succulent)

AVALAIRE IMAZAMOX 1 SL at 4 fl ozs/A (0.031 lbs ai/A)	
+ Sodium bentazon	
Maximum Weed Size	
(inches)	
Barnyardgrass	3
Blackgrass	3
Brome, cheat	3
downy	3
Japanese	3
Canarygrass, littleseed	3
Cereals, volunteer	
barley	3
oat	3
wheat (non-Clearfield®)	3
Corn, volunteer*	2 to 8
Darnel, Persian	3
Foxtail,	
giant	3
green	3
yellow	3
Jointed goatgrass	3
Oat, wild	3
Ryegrass, Italian	3
Shattercane	3

*Except Clearfield corn

Grass Weeds and Sedges Suppressed by AVALAIRE IMAZAMOX 1 SL in Lima Bean (Succulent)

**AVALAIRE IMAZAMOX 1 SL at 4 fl ozs/A (0.031 lbs ai/A)
+ Sodium bentazon**

Maximum Weed Size	
(inches)	
Grass Weeds	
Crabgrass, large	3
smooth	3
Johnsongrass, rhizome	3
Sedges	
Nutsedge, purple	3
yellow	3
Quackgrass	3

Snap Bean[*]

[*Not for use on snap bean in California.]

AVALAIRE IMAZAMOX 1 SL may be applied to snap bean. Occasionally, internode shortening and/or temporary yellowing of snap beans may occur following **AVALAIRE IMAZAMOX 1 SL** application. These effects can be more pronounced if snap beans are growing under stressful environmental or hot and humid conditions. These effects occur infrequently and are temporary. Normal growth and appearance may resume within days.

Apply **AVALAIRE IMAZAMOX 1 SL ONLY** if proper agronomic practices have been used, including good soil fertility, proper crop rotation, disease and insect management and tillage practices that eliminate compaction and hardpans. **DO NOT** apply to snap beans that have been injured from application of soil applied herbicides.

Apply **AVALAIRE IMAZAMOX 1 SL** postemergence to snap bean with at least one fully expanded trifoliolate leaf and before the bloom stage. **For use in Idaho, Oregon and Washington**, apply **AVALAIRE IMAZAMOX 1 SL** to snap bean at first or second trifoliolate leaf stage. Delay application until the majority of the weeds are at the specified growth stage. Base application timing on weed size and crop growth stage. Apply **AVALAIRE IMAZAMOX 1 SL** to actively growing crop and weeds.

DO NOT apply **AVALAIRE IMAZAMOX 1 SL** to snap bean during flowering.

THIS PRODUCT WHEN USED ON SNAP BEAN MAY LEAD TO CROP INJURY, LOSS, OR DAMAGE. AVALAIRE ADVISES THAT THE USER AND/OR GROWER TEST THIS PRODUCT TO DETERMINE ITS SUITABILITY FOR SUCH INTENDED USE.

Use Rate

Apply **AVALAIRE IMAZAMOX 1 SL** to snap bean at the broadcast rate of 4 fl ozs/acre (0.031 lb imazamox ai/acre) tank mixed with sodium bentazon (refer to label for use rates). **When used in snap beans, AVALAIRE IMAZAMOX 1 SL must be applied with sodium bentazon to minimize crop response.** sodium bentazon application at higher rates may reduce grass control.

Additional Mixing Instructions for Snap Bean

For use in Delaware, Florida, Illinois, Indiana, Iowa, Maryland, Michigan, Minnesota, New York, Pennsylvania, Virginia, and Wisconsin. Nonionic surfactant **MUST** be added to the spray solution. NIS **MUST** contain at least 80% active ingredient and be used at 1 quart/100 gallons of spray solution. **DO NOT** use COG, MSO, or HSOC.

For use in Idaho, Oregon and Washington. Nonionic surfactant and nitrogen fertilizer **MUST** be added to the spray

solution. NIS **MUST** contain at least 80% active ingredient and be used at 1 quart/100 gallons of spray solution. Alternatively, COC (1 gallon/100 gallons of spray solution), MSO (1 to 2 gallons/100 gallons of spray solution), or HSOC (0.5 gallon/100 gallons of spray solution) can be used.

Specified nitrogen-based fertilizers include liquid fertilizers, including 28-0-0, 32-0-0, or 10-34-0, at 2.5 gallons per 100 gallons of spray solution. Instead of a liquid fertilizer, spray-grade ammonium sulfate may be used at 12 to 15 pounds per 100 gallons of spray solution.

AVALAIRE IMAZAMOX 1 SL tank mixes with any pesticide other than sodium bentazon are not advised. Certain insecticide and herbicide tank mixes with **AVALAIRE IMAZAMOX 1 SL** in snap bean have shown unacceptable crop response.

Snap Bean Restrictions

- **AVALAIRE IMAZAMOX 1 SL application must be made before snap bean bloom.**
- **DO NOT** apply more than 4 fl ozs **AVALAIRE IMAZAMOX 1 SL/acre** (0.031 lb imazamox ai/acre) per single application to snap bean.
- **DO NOT** make more than one **AVALAIRE IMAZAMOX 1 SL** application to snap bean per year.
- **DO NOT** apply more than 4 fl ozs **AVALAIRE IMAZAMOX 1 SL/acre** (0.031 lb imazamox ai/acre) to snap bean per year.
- **PHI:** 0 days.

Weeds Controlled (Snap Bean)

AVALAIRE IMAZAMOX 1 SL will control or suppress listed weeds when applied postemergence to 1 -inch to 3-inch weeds (unless otherwise indicated) at the specified rates listed as follows.

Broadleaf Weeds Controlled by AVALAIRE IMAZAMOX 1 SL in Snap Bean

AVALAIRE IMAZAMOX 1 SL at 4 fl ozs/A (0.031 lbs ai/A)	
+ Sodium bentazon	
Maximum Weed Size	
(inches)	
Bedstraw	3
Beet, wild	3
Buttercup	3
Chickweed, common	3
Jimsonweed	3
Mustard, black	3
tumble	3
wild	3
Nightshade, black	3
Eastern black	3
hairy	3
Pennycress, field	3
Pigweed, redroot	3
smooth	3
spiny	3
Puncturevine	3
Radish, wild	3
Shepherd's-purse	3
Tansymustard, green	3

Broadleaf Weeds Suppressed by AVALAIRE IMAZAMOX 1 SL in Snap Bean

AVALAIRE IMAZAMOX 1 SL at 4 fl ozs/A (0.031 lbs ai/A) + Sodium bentazon	
Maximum Weed Size	
(inches)	
Buckwheat, wild	3
Chickweed, common	3
Cocklebur, common	3
Knotweed, prostrate	3
Kochia*	3
Lambsquarters, common	3
Lettuce, miner's	3
Morningglory, entireleaf	3
ivyleaf	3
smallflower	3
tall	3
Purslane, common	3
Rocket, London	3
Smartweed, ladythumb	3
Pennsylvania	3
Spurge, prostrate	3

*AVALAIRE IMAZAMOX 1 SL controls non-ALS-resistant kochia only.

Grass Weeds Controlled by AVALAIRE IMAZAMOX 1 SL in Snap Bean

AVALAIRE IMAZAMOX 1 SL at 4 fl ozs/A (0.031 lbs ai/A) + Sodium bentazon	
Maximum Weed Size	
(inches)	
Barnyardgrass	3
Blackgrass	3
Brome, cheat	3
downy	3
Japanese	3
Canarygrass, littleseed	3
Cereals, volunteer	
barley	3
oat	3
smallflower	3
tall	3
wheat (non-Clearfield®)	3
Corn, volunteer*	3
Darnel, Persian	3
Foxtail,	
giant	3
green	3
yellow	3
Jointed goatgrass	3
Oat, wild	3
Ryegrass, Italian	3
Shattercane	3

*Except Clearfield corn

Grass Weeds and Sedges Suppressed by AVALAIRE IMAZAMOX 1 SL in Snap Bean
AVALAIRE IMAZAMOX 1 SL at 4 fl ozs/A (0.031 lbs ai/A)
+ Sodium bentazon

	Maximum Weed Size
	(inches)
Grass Weeds	
Crabgrass, large	3
smooth	3
Johnsongrass, rhizome	3
Sedges	3
Nutsedge, purple	3
yellow	3
Quackgrass	3
Shattercane	3

Soybean[*]

[*Not for use on soybean in California.]

AVALAIRE IMAZAMOX 1 SL is effective in controlling weeds in conservation tillage and conventional tillage production systems. **AVALAIRE IMAZAMOX 1 SL** can be applied early postemergence in soybeans but before the bloom stage. Refer to the specific treatment under the **Application Information** section of the label.

Unusually cool temperatures (50° F or less) reduce photosynthesis and transpiration and, thus, reduce uptake, translocation, and efficacy of **AVALAIRE IMAZAMOX 1 SL** in weeds. Delaying a **AVALAIRE IMAZAMOX 1 SL** application for 48 hours from the time the temperature increases to above 50° F, if air temperature has been below 50° F for 10 or more hours, will improve weed control and reduce crop response.

No-till/Minimum Tillage and Double-crop Soybeans.

AVALAIRE IMAZAMOX 1 SL controls existing weeds and provides residual activity on some weeds when applied early postemergence to soybeans in no-till or minimum tillage and double-crop soybean production systems. The application must be applied after emergence of the crop. Refer to **Weeds Controlled (Soybean)** tables for weeds controlled and specified weed size.

To ensure thorough coverage, use a minimum of 20 gallons of water/acre in no-till or minimum tillage systems. Use higher gallonage for fields with dense vegetation or heavy crop residue. Before planting or emergence of soybeans, any glyphosate-containing product registered for that use may be applied to control emerged weeds. See specific product label for rates, use directions, precautions, and restrictions.

Use Rate

Apply 4 fl ozs **AVALAIRE IMAZAMOX 1 SL**/acre (0.031 lb imazamox ai/acre) to soybean when preceded by a full rate of a registered soil-applied grass herbicide like pendimethalin.

OR

Apply 5 fl ozs **AVALAIRE IMAZAMOX 1 SL**/acre (0.039 lb imazamox ai/acre) to soybean in a total postemergence herbicide program.

AVALAIRE IMAZAMOX 1 SL may be applied postemergence at a broadcast rate of 4 fl ozs/acre (0.031 lbs ai/A)

when it is preceded with a full labeled rate of a soil-applied grass herbicide including pendimethalin. At this rate, 1 gallon of **AVALAIRE IMAZAMOX 1 SL** will treat 32 acres of soybeans. **AVALAIRE IMAZAMOX 1 SL** may be applied postemergence at a broadcast rate of 5 fl ozs/acre (0.039 lbs ai/A; including minimum-till and no-till). At this broadcast rate, one gallon of **AVALAIRE IMAZAMOX 1 SL** will treat 25.6 acres of soybeans.

Soybean Restrictions

- **AVALAIRE IMAZAMOX 1 SL** application must be made before soybean bloom.
- **DO NOT** apply more than 5 fl ozs **AVALAIRE IMAZAMOX 1 SL**/acre (0.039 lb imazamox ai/acre) per single application to soybean.
- **DO NOT** make more than one **AVALAIRE IMAZAMOX 1 SL** application to soybean per year .
- **DO NOT** apply more than 5 fl ozs **AVALAIRE IMAZAMOX 1 SL**/acre (0.039 lb imazamox ai/acre) to soybean per year.
- **PHI:** 0 days.
- If soybeans are furrow irrigated, till the soil before planting winter wheat or barley. Break up the beds and mix soil with tillage equipment set to cut 4-inches to 6-inches deep.

Weeds Controlled (Soybean)

When applied as directed, **AVALAIRE IMAZAMOX 1 SL** will control or suppress listed weeds as follows. Refer to **Application Information** section for use directions when weeds are at the maximum specified growth stage or are under stress.

Broadleaf Weeds Controlled by AVALAIRE IMAZAMOX 1 SL Alone or in a Sequential* Program in Soybean

	AVALAIRE IMAZAMOX 1 SL Alone Postemergence 5 fl ozs/A (0.039 lbs ai/A)	Pendimethalin Soil-applied followed by AVALAIRE IMAZAMOX 1 SL* Postemergence 4 fl ozs/A (0.031 lbs ai/A)
	Weed Size (inches)	
Artichoke, Jerusalem	3 to 8	3 to 8
Carpetweed		2 to 4
Chickweed, common	2 to 5	2 to 5
Cocklebur, common	2 to 8	2 to 8
Jimsonweed	2 to 6	2 to 6
Kochia**	1 to 4	1 to 4
Lambsquarters, common	2 to 5	2 to 5
Mallow, Venice	1 to 4	
Marshelder	2 to 4	2 to 4
Morningglory, entireleaf	2 to 4	
ivyleaf	2 to 4	
smallflower	2 to 4	
tall	2 to 4	
Mustard spp.	2 to 8	2 to 8
Nightshade, black	2 to 5	2 to 5
Eastern black	2 to 5	2 to 5

	AVALAIRE IMAZAMOX 1 SL Alone Postemergence	Pendimethalin Soil-applied followed by AVALAIRE IMAZAMOX 1 SL* Postemergence
	5 fl ozs/A (0.039 lbs ai/A)	4 fl ozs/A (0.031 lbs ai/A)
	Weed Size (inches)	
hairy	2 to 5	2 to 5
Pigweed, Palmer amaranth***	2 to 4	2 to 4
prostrate	2 to 5	2 to 5
redroot	2 to 8	2 to 8
smooth	2 to 8	2 to 8
spiny	2 to 5	2 to 5
Puncturevine	1 to 3	
Purslane, common	1 to 3	1 to 3
Pusley, Florida		2 to 4
Radish, wild	2 to 4	2 to 4
Ragweed, common***	2 to 5	
giant***	2 to 5	2 to 5
Smartweed, ladysthumb	2 to 5	2 to 5
Pennsylvania	2 to 5	2 to 5
Spurge, annual		2 to 4
Sunflower	2 to 8	2 to 8
Velvetleaf	2 to 8	2 to 8

*Soil-applied grass herbicide, including pendimethalin, is followed by a postemergence application of **AVALAIRE IMAZAMOX 1 SL** at a broadcast rate of 4 fl ozs/acre (0.031 lbs ai/A).

** Control of light-to-moderate populations only. For control of heavier, populations, use a **sequential application** with a soil-applied grass herbicide, as described above.

*** Control of light-to-moderate populations of ALS-susceptible biotypes only. For control of heavier populations of ALS-resistant biotypes, see **Tank Mix Herbicides** following in the **Soybean** section.

Broadleaf Weeds Suppressed by AVALAIRE IMAZAMOX 1 SL Alone or in a Sequential* Program in Soybean

	AVALAIRE IMAZAMOX 1 SL Alone Postemergence	Pendimethalin Soil-applied followed by AVALAIRE IMAZAMOX 1 SL* Postemergence
	5 fl ozs/A (0.039 lbs ai/A)	4 fl ozs/A (0.031 lbs ai/A)
	Weed Size (inches)	
Bindweed, field (seedling)	2 to 4	2 to 4
hedge (seedling)	2 to 4	2 to 4

Buckwheat, wild	1 to 3	1 to 3
Mallow, Venice**		1 to 4
Morningglory, entireleaf**		2 to 4
ivyleaf**		2 to 4
pitted	2 to 4	2 to 4
smallflower**		2 to 4
tall**		2 to 4
Ragweed, common**		2 to 5
Sida, prickly	2 to 4	2 to 4
Sowthistle, annual	2 to 4	2 to 4
Thistle, Canada	2 to 5	2 to 5

* Soil-applied grass herbicide, including pendimethalin, is followed by a postemergence application of **AVALAIRE IMAZAMOX 1 SL** at a broadcast rate of 4 fl ozs (0.031 lbs ai/A) per acre.

** For control, see the 5 fl ozs (0.039 lbs ai/A) rate and **Tank Mix Herbicides** following in the **Soybean** section.

Grass Weeds Controlled by AVALAIRE IMAZAMOX 1 SL Alone or in a Sequential* Program in Soybean

	AVALAIRE IMAZAMOX 1 SL Alone Postemergence	Pendimethalin Soil-applied followed by AVALAIRE IMAZAMOX 1 SL* Postemergence
	5 fl ozs/A (0.039 lbs ai/A)	4 fl ozs/A (0.031 lbs ai/A)
	Weed Size (inches)	
Barley, wild	2 to 4	2 to 4
Barnyardgrass	2 to 5**	2 to 5
Corn, volunteer***	2 to 8	2 to 8
Crabgrass, large		2 to 4
smooth		2 to 4
Crowfoot grass		2 to 5
Cupgrass, woolly		2 to 4
Foxtail, giant	2 to 6	2 to 6
green	2 to 6	2 to 6
yellow	2 to 6	2 to 6
Goosegrass		2 to 5
Johnsongrass, seedling	4 to 8	4 to 8
Millet, wild proso	2 to 4**	2 to 4
Oat, wild	2 to 6	2 to 6
Panicum, fall	2 to 6	2 to 6
Texas		2 to 6
Sandbur, field****		2 to 5
Shattercane	2 to 8	2 to 8
Signalgrass, broadleaf	2 to 5**	2 to 5
Wheat, volunteer (non-Clearfield®)	2 to 4****	2 to 4
Witchgrass		2 to 5

*Soil-applied grass herbicide, including pendimethalin, is followed by a postemergence application of **AVALAIRE IMAZAMOX 1 SL** at a broadcast rate of 4 fl ozs (0.031 lbs ai/A) per acre.

** Control of light-to-moderate populations only. For control of heavier populations, use a **sequential application** with a soil-applied grass herbicide, as described above.

*** Except Clearfield corn

**** For control, a dinitroaniline (DMA) herbicide, including pendimethalin, must be soil-applied at a full labeled rate.

Grass Weeds and Sedges Suppressed by AVALAIRE IMAZAMOX 1 SL Alone or in a Sequential* Program in Soybean

	AVALAIRE IMAZAMOX 1 SL Alone Postemergence	Pendimethalin Soil-applied followed by AVALAIRE IMAZAMOX 1 SL* Postemergence
	5 fl ozs/A (0.039 lbs ai/A)	4 fl ozs/A (0.031 lbs ai/A)
	Weed Size (inches)	
Grass Weeds		
Crabgrass, large	2 to 4	
smooth	2 to 4	
Cuporass woolly	2 to 4	
Goosegrass	2 to 4	
Itchgrass		2 to 5
Johnsongrass, rhizome	6 to 12	6 to 12
Quackgrass		4 to 8
Red rice		2 to 5
Stinkgrass	2 to 4	
Sedges		
Nutsedge, purple	1 to 3	1 to 3
yellow	1 to 3	1 to 3

* Soil-applied grass herbicide including pendimethalin, is followed by a postemergence application of **AVALAIRE IMAZAMOX 1 SL** at a broadcast rate of 4 fl ozs/ acre (0.031 lbs ai/A).

Tank Mix Herbicides

Grass Weeds

Use a soil-applied grass herbicide (including pendimethalin) if heavy infestations of some grass weeds exist or if **AVALAIRE IMAZAMOX 1 SL** does not control the species present. Refer to the pendimethalin, or other grass herbicide label for specific use directions, rates, and precautions.

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 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.

Glyphosate may be tank mixed with **AVALAIRE IMAZAMOX 1 SL** to aid in control of certain grass weeds only in **Roundup Ready®** soybeans. **DO NOT** tank mix **AVALAIRE IMAZAMOX 1 SL** with glyphosate plus imazethapyr. If a selective postemergence grass herbicide, including sethoxydim, is mixed with **AVALAIRE IMAZAMOX 1 SL** to control species that are not controlled with **AVALAIRE IMAZAMOX 1 SL** alone, include MSO or COG (1 to 2 gallons/100 gallons) or an HSOC at 0.5 gallon/100 gallons **AND** add liquid fertilizer (2.5 gallons/100 gallons) to the tank mixture.

In some cases, the activity of the grass herbicide may be reduced when mixed with **AVALAIRE IMAZAMOX 1 SL**. The reduction in activity may be overcome by delaying application of the postemergence grass herbicide 7 days following application of **AVALAIRE IMAZAMOX 1 SL**. If the postemergence grass herbicide is applied first, wait 3 days before applying **AVALAIRE IMAZAMOX 1 SL**. Refer to the respective grass herbicide label for specific application rate, weed size, and restrictions.

Broadleaf Weeds

Glyphosate may be tank mixed with **AVALAIRE IMAZAMOX 1 SL** to aid in control of certain broadleaf weeds only in **Roundup Ready** soybeans.

Tank mixing **AVALAIRE IMAZAMOX 1 SL** and certain broadleaf herbicides (e.g. diphenylethers and sodium bentazon) can reduce grass control; therefore, a sequential program including a soil-applied grass herbicide, including pendimethalin, is advised for optimal control.

Enhanced Control of Kochia, Palmer Amaranth, Ragweed Species, and Waterhemp. Use a soil application of pendimethalin followed by a postemergence application of **AVALAIRE IMAZAMOX 1 SL** at a broadcast rate of 4 fl ozs to 5 fl ozs/acre (0.031-0.039 lbs ai/A) plus a diphenylether, including acifluorfen (acifluorfen), or glyphosate for enhanced control of kochia, Palmer amaranth, ragweed, and waterhemp. Refer to the pendimethalin, or acifluorfen labels for specific use directions, rates, restrictions, and precautions.

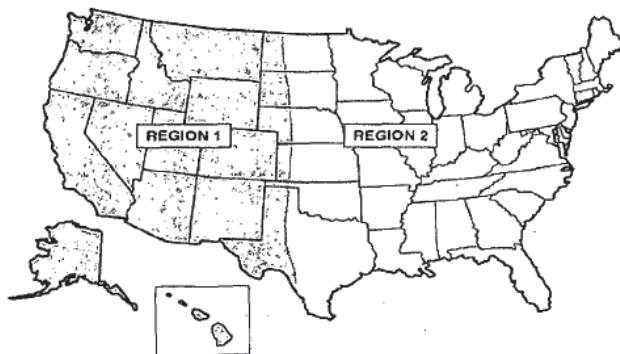
When tank mixing **AVALAIRE IMAZAMOX 1 SL** and acifluorfen, apply **AVALAIRE IMAZAMOX 1 SL** at a broadcast rate of 5 fl ozs/acre (0.039 lbs ai/A) or 4 fl ozs/acre (0.031 lbs ai/A) when preceded by a full rate of a registered soil-applied grass herbicide. Apply acifluorfen according to the label rates depending on weed height.

Enhanced Control of Common Ragweed and Giant Ragweed. Cloransulam-methyl may be tank mixed with **AVALAIRE IMAZAMOX 1 SL** to aid in the control of common ragweed and giant ragweed. Use the higher rate when weeds approach maximum labeled size. See the cloransulam-methyl label for specific rates and precautions.

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 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.

Rotational Crop Restrictions

Rotational crops may be planted after applying the specified rate of **AVALAIRE IMAZAMOX 1 SL** in **Region 1** and **Region 2**, as indicated on the map.



Region 1 - States and parts of states WEST of US Highway 83 (Alaska, Arizona, California, Colorado, Hawaii, Idaho, Montana, Nevada, New Mexico, Oregon, Utah, Washington, Wyoming, and western parts of Kansas, Nebraska, North Dakota, Oklahoma, South Dakota, and Texas)

Region 2 - States and parts of states EAST of US Highway 83 (includes the eastern parts of Kansas, Nebraska, North

Dakota, Oklahoma, South Dakota, and Texas, and the states east of these states)

Rotational Interval (months) following AVALAIRE IMAZAMOX 1 SL Application

Plant-back Interval (months)	Region 1	Region 2	
Anytime	Clearfield® canola Clearfield corn (field and seed) Clearfield lentil Clearfield rice Clearfield and Clearfield® Plus sunflower Clearfield and Clearfield Plus wheat Dry beans and dry peas except non- Clearfield lentil Edamame English peas Lima beans (succulent) Snap beans Soybeans	Clearfield canola Clearfield corn (field and seed) Clearfield lentil Clearfield rice Clearfield and Clearfield Plus sunflower Clearfield and Clearfield Plus wheat Dry beans and dry peas except non- Clearfield lentil Edamame English peas Lima beans (succulent) Snap beans Soybeans	
3	Alfalfa ^{1,4} Wheat (non- Clearfield)	Alfalfa ⁴ Wheat (non- Clearfield)	
4	Rye	Rye	
8-1/2	Corn (non- Clearfield field, seed, sweet, and popcorn)	Corn (non- Clearfield field, seed, sweet, and popcorn)	
9	¹ Barley Cantaloupe Cotton Grain sorghum ⁵ Lentil (non- Clearfield) Lettuce Millet Oat Onion	Peanut Pumpkin Rice Squash Sunflower Tobacco Watermelon	¹ Barley Onion Broccoli Peanut Cabbage Pepper Cantaloupe ¹ Potato Carrot Pumpkin Cotton Rice Cucumber Squash Grain sorghum Sunflower ⁵ Lentil (non- Clearfield) Tobacco Lettuce Tomato Millet Turnip Oat Watermelon
18	¹ Barley Broccoli Cabbage Carrot Cucumber Lentil (non- Clearfield) All other crops not listed in the Rotational Crop Restrictions	Pepper Potato Tomato Turnip All other crops not listed in the Rotational Crop Restrictions	¹ Barley ² Sugar beet Canola (non- Clearfield) ² Table beet Condiment mustard Lentil (non- Clearfield) All other crops not listed in the Rotational Crop Restrictions
26	Canola (non- Clearfield) Condiment mustard	³ Sugar beet Table beet	² Sugar beet ² Table beet

¹ Refer to the following tables for rotational intervals for planting following **AVALAIRE IMAZAMOX 1 SL** application.

² In **Region 2**, sugar beets and table beets can be planted 18 months following an application of **AVALAIRE IMAZAMOX 1 SL** if the soil pH is uniformly 6.2 or greater. If the soil pH is less than 6.2, the rotational interval is 26 months. Sugar beet yields can be reduced when grown in soil conditions with a pH less than 6.2. If the soil is limed to adjust the soil pH, apply the lime at least 18 months before planting sugar beet or other rotational crops under the 18-month rotational interval.

³ For sugar beets grown in parts of Nebraska west of Highway 83, and Platte, Goshen, and Laramie counties in Wyoming, follow the sugar beet rotational crop restrictions for **Region 2** for sprinkler-irrigated fields only. If fields are dryland, flood or furrow

irrigated, follow restrictions for **Region 1**. A minimum of 10 inches of overhead irrigation must be applied each season to qualify for **Region 2** guidelines.

⁴ Planting non-**Clearfield** spring or winter wheat in areas receiving less than 10 inches of precipitation from the time of **AVALAIRE IMAZAMOX 1 SL** application up until wheat planting may result in wheat injury. The possibility of injury increases if less than normal precipitation occurs from the time of application to planting and/or within the first 2 months after **AVALAIRE IMAZAMOX 1 SL** application.

⁵ In **Region 1** and **Region 2**, non-**Clearfield** lentil may be planted 9 months following an application of **AVALAIRE IMAZAMOX 1 SL** if no more than 5 fl ozs/A of **AVALAIRE IMAZAMOX 1 SL** has been applied and the soil pH is uniformly greater than 6.2.

Barley Rotational Interval based on pH, Moisture, and Tillage		Moldboard Plowing	
Region 1 and Region 2		NO	YES
pH and Rainfall requirements	> 18 inches R+I AND pH > 6.2	9 months	
	< 18 inches R+I OR pH < 6.2	18 months	9 months

Potato Rotational Interval based on pH and Moisture		
Region 2		
pH and Rainfall requirements	> 18 inches R+I AND pH > 6.2	9 months
	< 18 inches R+I OR pH < 6.2	18 months

Non-Clearfield® Wheat Rotational Interval based on pH, Moisture, and Tillage		Moldboard Plowing	
Region 1		NO	YES
pH and Rainfall requirements	> 10 inches R+I AND pH > 6.2	3 months	
	< 10 inches R+I OR pH < 6.2	15 months	3 months

Non-Clearfield Wheat Rotational Interval based on pH and Moisture		
Washington and selected counties in Idaho* and Oregon**		
pH and Rainfall requirements	> 16 inches R+I AND pH > 6.2	3 months
	< 16 inches R+I OR pH < 6.2	15 months
*Selected counties in Idaho - Benewah, Bonner, Boundary, Clearwater, Idaho, Kootenai, Latah, Lewis, Nez Perce, and Shoshone		
** Selected counties in Oregon - All but Malheur		

When taking soil samples to determine soil pH, use a grid sampling technique, sampling to a depth of 3 to 4 inches.

R+I = Rainfall and overhead irrigation from the time of **AVALAIRE IMAZAMOX 1 SL** application up until time of barley, potato, or non-**Clearfield** wheat planting. **Does not include furrow or flood irrigation.**

If the rainfall or pH requirements are not fully met, and barley or non-**Clearfield** wheat is planted before the specified rotation interval, injury may be reduced by tillage, including deep disking (greater than 6-inches deep) after crop harvest but before November 1.

The possibility of injury to barley or non-**Clearfield** wheat planted the next season increases **if less than normal precipitation occurs from the time of application to planting and/or within the first two months after AVALAIRE IMAZAMOX 1 SL application.**

Furrow-irrigated and Flood-irrigated Crops

Following harvest of furrow-irrigated or flood-irrigated crops, thoroughly mix soil by plowing or deep disking to minimize the potential for herbicide carryover to the following crop.

Use of **AVALAIRE IMAZAMOX 1 SL** in accordance with label directions is expected to result in normal growth of rotational crops in most situations; however, various environmental and agronomic factors, including arid

conditions, make it impossible to eliminate all risks associated with the use of this product and, therefore, rotational crop injury is always possible.

USE PRECAUTIONS

In the event of a crop loss due to weather, dry beans, dry peas, Clearfield canola, Clearfield corn, Clearfield lentil, Clearfield and Clearfield® Plus sunflower, Clearfield and Clearfield Plus wheat, edamame, peas (English), lima beans (succulent), snap beans, or soybeans can be replanted. **DO NOT** make an additional application of **AVALAIRE IMAZAMOX 1 SL**.

Application of products containing chlorimuron ethyl, metsulfuron-methyl, imazaquin, or imazethapyr the same year as **AVALAIRE IMAZAMOX 1 SL** may increase the risk of injury to sensitive rotational crops. Consult all pertinent labels for use of these products in combinations.

If arid conditions occur during the year of application, rotational crop injury may occur.

USE RESTRICTIONS

In the event of a crop loss due to weather, dry beans, dry peas, **Clearfield** canola, **Clearfield** corn, **Clearfield** lentil, **Clearfield** and **Clearfield® Plus** sunflower, **Clearfield** and **Clearfield Plus** wheat, edamame, peas (English), lima beans (succulent), snap beans, or soybeans can be replanted. **DO NOT** make an additional application of **AVALAIRE IMAZAMOX 1 SL**.

STORAGE AND DISPOSAL

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

PESTICIDE STORAGE:

- KEEP FROM FREEZING.
- **DO NOT** store below 32° F.

PESTICIDE DISPOSAL:

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

CONTAINER HANDLING:

Nonrefillable Container. DO NOT reuse or refill this container. Triple rinse or pressure rinse container (or equivalent) promptly after emptying; 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 by state and local authorities:

Triple rinse containers small enough to shake (capacity ≤5 gallons) 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.

Triple rinse containers too large to shake (capacity > 5 gallons) 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 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.

Steps to take if material is released or spilled:

- Dike and contain the spill with inert material (sand, earth, etc.) and transfer liquid and solid diking material to separate containers for disposal.
- Remove contaminated clothing, and wash affected skin areas with soap and water.
- Wash clothing before reuse.
- Keep the spill out of all sewers and open bodies of water.

LIMITATION OF WARRANTY AND LIABILITY

IMPORTANT: READ BEFORE USE. Read the entire Directions for Use, Conditions of Warranties and Limitations of Liability before using this product. If these terms and conditions are not acceptable, return the unopened product container at once. By using this product, user or buyer accepts the following Disclaimer of Warranties and Limitations of Liability. **CONDITIONS:** The directions for use of this product are believed to be adequate and must be followed carefully. However, it is impossible to eliminate all risks associated with the use of this product. Ineffectiveness, injury, and other unintended consequences may result because of such factors as manner of use or application (including misuse), the presence of other materials, weather conditions, and other unknown factors, all of which are beyond the control of AVALAIRE, LLC. To the extent consistent with applicable law, all such risks shall be assumed by the user or buyer.

DISCLAIMER OF WARRANTIES: To the extent consistent with applicable law, AVALAIRE, LLC makes no other warranties, express or implied, of merchantability or of fitness for a particular purpose or otherwise, that extend beyond statements on this label. **LIMITATIONS OF LIABILITY:** To the extent consistent with applicable law, neither AVALAIRE, LLC the manufacturer, nor the Seller shall be liable for any indirect, special, incidental or consequential damages resulting from the use, handling, application, storage, or disposal of this product. To the extent consistent with applicable law, the exclusive remedy of the user or buyer for any and all losses, injuries or damages resulting from the use, handling, application, or storage of this product, whether in contract, warranty, tort, negligence, strict liability or otherwise, shall not exceed the purchase price paid.

[AVALAIRE IMAZAMOX 1 SL] is a trademark of Avalaire, LLC
[Raptor®] [is a] registered trademark of BASF.]

{LANGUAGE ON LABEL AFFIXED TO CONTAINER}

IMAZAMOX GROUP 2 HERBICIDE

AVALAIRE IMAZAMOX 1 SL™

[Alternate Brand Name: Rambler SL]

Contains imazamox, the active ingredient used in Raptor® Herbicide.

ACTIVE INGREDIENT: ammonium salt of imazamox: 2-[4,5-dihydro-4-methyl-4-

(1-methylethyl)-5-oxo-1H-imidazol-2-yl]-5-(methoxymethyl)-3-pyridinecarboxylic acid*.....12.1%

OTHER INGREDIENTS:.....87.9%

TOTAL:.....100.0%

*Equivalent to 11.4% 2-[4,5-dihydro-4-methyl-4-(1-methylethyl)-5-oxo-1H-imidazol-2-yl]-5-(methoxymethyl)-3-pyridinecarboxylic acid

Contains 1 lb. of active ingredient per gallon as the free acid.

**KEEP OUT OF REACH OF CHILDREN
CAUTION/PRECAUCION**

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you **DO NOT** understand the label, find someone to explain it to you in detail.)

FIRST AID	
If on skin or clothing:	<ul style="list-style-type: none"> Take off contaminated clothing. Rinse skin immediately with plenty of water for 15 to 20 minutes. Call a poison control center or doctor for treatment advice.
If in eyes:	<ul style="list-style-type: none"> Hold eyes -open and rinse slowly and gently with water for 15 to 20 minutes. Remove contact lenses, if present, after first 5 minutes; then continue rinsing eyes. Call a poison control center or doctor for treatment
If inhaled:	<ul style="list-style-type: none"> Move person to fresh air. If person is not breathing, call 911 or an ambulance; then give artificial respiration, preferably mouth to mouth if possible. Call a poison control center or doctor for further treatment advice.
HOT LINE NUMBER	
Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact SafetyCall at 1-844-685-9173 for emergency medical treatment information.	

For Chemical Emergency

Spill, Leak, Fire, Exposure, or Accident Call CHEMTREC Day or Night
Within USA and Canada: 1-800-424-9300 or +1 703-527-3887 (collect calls accepted)

PRECAUTIONARY STATEMENTS

**HAZARDS TO HUMANS AND DOMESTIC ANIMALS
CAUTION**

Harmful if absorbed through skin or inhaled. Avoid breathing spray mist. Avoid contact with skin, eyes, or clothing.

ENVIRONMENTAL HAZARDS: This pesticide may be hazardous to plants outside the treated area. **DO NOT** apply directly to water, or to areas where surface water is present, or to intertidal areas below the mean high water mark except as directed in this label. Off-site movement from spray drift, volatilization, and runoff may be hazardous to neighboring crops and vegetative habitat utilized for

food and cover by wildlife and aquatic organisms. **DO NOT** contaminate water when disposing of equipment washwater or rinsate.

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.

Groundwater Advisory: This chemical has properties and characteristics associated with chemicals detected in groundwater. This chemical may leach into groundwater if used in areas where soils are permeable, particularly where the water table is shallow. **Surface Water Advisory:** This product may impact surface water quality due to runoff of rainwater. This is especially true for poorly draining soils and soils with shallow ground water. This product is classified as having high potential for reaching surface water via runoff for several months or more after application. A level, well-maintained vegetative buffer strip between areas to which this product is applied and surface water features such as ponds, streams, and springs will reduce the potential loading of [name of chemical] from runoff water and sediment. Runoff of this product will be reduced by avoiding applications when rainfall or irrigation is expected to occur within 48 hours.

Physical-Chemical Hazards

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

STORAGE AND DISPOSAL

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

Pesticide Storage

- KEEP FROM FREEZING.
- DO NOT** store below 32° F.

Pesticide Disposal

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

Container Handling

Nonrefillable Container. DO NOT reuse or refill this container. Triple rinse or pressure rinse container (or equivalent) promptly after emptying; 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 by state and local authorities:

Triple rinse containers small enough to shake (capacity ≤ 5 gallons) 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.

Triple rinse containers too large to shake (capacity > 5 gallons) 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 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.

Steps to take if material is released or spilled:

- Dike and contain the spill with inert material (sand, earth, etc.) and transfer liquid and solid diking material to separate containers for disposal.
- Remove contaminated clothing, and wash affected skin areas with soap and water.
- Wash clothing before reuse.
- Keep the spill out of all sewers and open bodies of water.

See inside label booklet for additional Precautionary Statements and Directions for Use.

[AVALAIRE IMAZAMOX 1 SL] is not manufactured, or distributed by BASF Corporation, seller of Raptor® Herbicide.

Manufactured for:
Avalaire, LLC
1204 Village Market Way, #173
Morrisville, NC 27560

EPA Reg. No. 93930-XX
EPA Est. No. _____
NET CONTENTS: _____