



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

EPA Reg. Number:

93930-34

Date of Issuance:

10/6/20

NOTICE OF PESTICIDE:

Registration
 Reregistration
(under FIFRA, as amended)

Term of Issuance:

Unconditional

Name of Pesticide Product:

Avalaire Fluroxypyr EC

Name and Address of Registrant (include ZIP Code):

Beth Anderson
Sr Regulatory Manager
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 (FIFRA).

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

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

1. Submit and/or cite all data required for registration/reregistration/registration review of your product when the Agency requires all registrants of similar products to submit such data.
2. Submit one copy of the revised final printed label for the record before you release the product for shipment.

Continued on page 2

Signature of Approving Official:

Mindy Ondish, Product Manager 23
Herbicide Branch, Registration Division (7505P)

Date:

10/6/20

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 FIFRA and is subject to review by the Agency. If the website is false or misleading, the product would be misbranded and unlawful to sell or distribute under FIFRA section 12(a)(1)(E). 40 CFR 156.10(a)(5) 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.

The alternate brand name "**SempereX**" is noted for the product record.

Please also note that the record for this product currently contains the following CSF:

- Basic CSF dated 05/14/2020 (revised)

If you have any questions, please contact Endia Blunt by phone at 703-347-0788, or via email at Blunt.Endia@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}

FLUROXYPYR	GROUP	4	HERBICIDE
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Avalaire Fluroxypyr ECTM

[Alternate Brand Name: SempereX]

[For Selective Postemergence Control of Annual and Perennial Broadleaf Weeds and Volunteer Potatoes in Small Grains (Wheat, Barley, Oats and Triticale), Field Corn, Sweet Corn, Grain Sorghum, Dry Bulb Onions, Pome Fruits, Conifer and Tree Plantations, Rangeland and Permanent Grass Pastures, Fallow Cropland, On-Farm Non-Cropland, Grasses Grown for Seed, Forage, or Hay; Labeled Non-Crop Sites and Established Turfgrass including Grazed Areas on these sites.]

[Do not apply to St. Augustine grass in the state of Florida.]
 Not for Sale, Distribution, or Use in Nassau and Suffolk Counties, New York.

ACTIVE INGREDIENT:	(% by weight)
Fluroxypyr, 1-methylheptyl ester: ((4-amino-3,5-dichloro-6-fluoro-2-pyridinyl)oxy)	
acetic acid, 1-methylheptyl ester	45.52%
OTHER INGREDIENTS	<u>54.48%</u>
TOTAL	100.0%
Equivalent to 2.8 pounds of fluroxypyr acid per gallon (31.6%).	

KEEP OUT OF REACH OF CHILDREN WARNING/AVISO

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.)

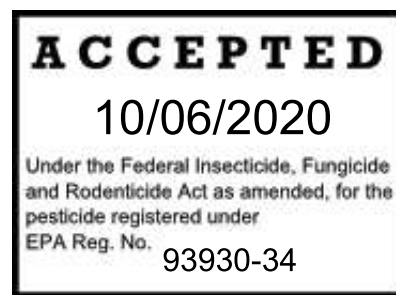
See [below] [inside label booklet] for [additional] [First Aid,] [and] [Precautionary Statements] [and] [Directions for Use].

EPA Reg. No.: 93930-34

EPA Est. No.:

Net Contents:

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



{LANGUAGE INSIDE BOOKLET}

FIRST AID	
If in eyes:	<ul style="list-style-type: none"> • Hold eye open and rinse slowly and gently with water for 15 to 20 minutes. • Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. • Call a poison control center or doctor for treatment advice.
If swallowed:	<ul style="list-style-type: none"> • Call a poison control center or doctor immediately for treatment advice. • Have person sip a glass of water if able to swallow. • Do not induce vomiting unless told to do so by a poison control center or doctor. • Do not give anything by mouth to an unconscious person.
If on skin or clothing:	<ul style="list-style-type: none"> • Take off contaminated clothing. • Rinse skin immediately with plenty of water for 15-20 minutes. • Call a poison control center or doctor for treatment advice.
If inhaled:	<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 by mouth-to-mouth, if possible. • Call a poison control center or doctor for further treatment advice.
HOT LINE NUMBER	
<p>Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 844-685-9173 for emergency medical treatment information.</p>	

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 & DOMESTIC ANIMALS

WARNING

Causes substantial but temporary eye injury. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. Do not get in eyes or on clothing. Wash thoroughly before eating, drinking, chewing gum, using tobacco, or using the toilet. Remove and wash contaminated clothing before reuse.

PERSONAL PROTECTIVE EQUIPMENT (PPE):

Applicators and other handlers must wear:

- Long-sleeved shirt and long pants
- Chemical-resistant gloves made of barrier laminate, butyl rubber ≥14 mils, nitrile rubber ≥14 mils, neoprene rubber ≥14 mils, polyvinyl chloride (PVC) ≥14 mils, or Viton ≥14 mils.
- Shoes plus socks
- Protective eyewear

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

Engineering Controls

When handlers use closed systems, enclosed cabs, or aircraft in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agriculture pesticides [40 CFR 170.607 (d-e)], the handler PPE requirements may be reduced or modified as specified in the WPS.

USER SAFETY RECOMMENDATIONS

Users should:

- 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 product is toxic to fish. Drift or runoff from treated areas may be hazardous to aquatic organisms and non-target plants. Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when cleaning equipment or disposing of equipment washwaters.

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

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

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 State or Tribal agency responsible for pesticide regulation.

Important Restrictions:

- This product is persistent and may be present in plant materials for over 30 days after application. Do not use treated plant material or manure from animals that have grazed or consumed forage from treated areas for compost, mulch, or mushroom spawn until 30 days after application.
- Animals that have been fed fluroxypyr treated forage must be fed forage free of fluroxypyr for at least 3 days before they are moved off the treated property.

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 intervals. 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 24 hours.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water are:

- Coveralls
- Chemical-resistant gloves made of barrier laminate ≥ 14 mils, butyl rubber ≥ 14 mils, nitrile rubber ≥ 14 mils, neoprene rubber ≥ 14 mils, polyvinyl chloride (PVC) ≥ 14 mils, or Viton ≥ 14 mils.
- Shoes plus socks
- Protective eyewear.

NON-AGRICULTURAL USE REQUIREMENTS

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

Entry Restrictions for Non-WPS Uses: Do not allow people (other than applicator) or pets on treatment area during application. Do not enter or allow others to enter into treated areas until sprays have dried.

PRODUCT INFORMATION

Avalaire Fluroxypyr EC is a selective postemergence product for control of annual and perennial broadleaf weeds and volunteer potatoes in small grains (wheat, barley, oats, or triticale not under seeded with a legume), field corn, sweet corn, grain sorghum, dry bulb onions, pome fruits, conifer and tree plantations, rangeland and permanent grass pastures, fallow cropland, on-farm non-cropland, grasses grown for seed, forage or hay; labeled non-crops sites and established turfgrass including grazed areas on these sites.

Management of Kochia Biotypes:

Research has suggested that many biotypes of kochia can occur within a single field. While kochia biotypes can vary in their susceptibility to **Avalaire Fluroxypyr EC**, all will be suppressed or controlled by the 0.4 pint per acre labeled rate. Application of **Avalaire Fluroxypyr EC** at rates below the 0.4 pint per acre rate can result in a shift to more tolerant biotypes within a field.

Weed Resistance-Management

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

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

- Rotate the use of **Avalaire Fluroxypyr EC** or other Group 4 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 herbicide 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.

SPRAY DRIFT ADVISORIES

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

IMPORTANCE OF DROPLET SIZE

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

Controlling Droplet Size – Ground Boom

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

Controlling Droplet Size – Aircraft

- Adjust Nozzles - Follow nozzle manufacturers' 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.

Boomless Ground Applications

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

Handheld Technology Applications

Take precautions to minimize spray drift.

MIXING INSTRUCTIONS

Avalaire Fluroxypyr EC Alone:

Fill spray tank with water equal to 1/2 to 3/4 of the required spray volume. Add the required amount of **Avalaire Fluroxypyr EC**, then finish filling the tank. Provide sufficient agitation during mixing and application to maintain a uniform emulsion.

Tank Mixing

This product may be applied in tank mix combination with labeled rates of other products. It is the pesticide user's responsibility to ensure that all products in the listed mixtures are registered for the intended use. Read and follow the applicable restrictions and limitations and directions for use on all product labels involved in tank mixing. Users must follow the most restrictive directions and precautionary language of the products in the mixture (for example, use rate, PHI, first aid from one product; spray drift management from another).

Tank Mixing Precautions:

1. Do not tank mix with products containing boron or mix in equipment previously used to apply a product mixture containing boron unless the tank and spray equipment have been adequately cleaned.
2. Always perform a (jar) test to ensure the compatibility of products to be used in tank mixture.

Tank Mix Compatibility Testing: Perform a jar test prior to tank mixing to ensure compatibility of **Avalaire Fluroxypyr EC** and other pesticides, fertilizers or carriers. Use a clear glass quart jar with lid and mix the tank mix ingredients in their relative proportions. Invert the jar containing the mixture several times and observe the mixture for approximately 1/2 hour. If the mixture balls-up, forms flakes, sludges, gels, oily films or layers, or other precipitates, it is not compatible and the tank mix combination should not be used.

Undiluted **Avalaire Fluroxypyr EC** and 2,4-D amine concentrates are not compatible and cannot be mixed together in the same supply tank when using injection equipment. Combinations of **Avalaire Fluroxypyr EC** and 2,4-D ester are compatible for this purpose.

Tank Mixing Instructions

Fill spray tank with water to 1/4 to 1/3 of the required spray volume. Start agitation. Add different formulation types in the order indicated, allowing time for complete mixing and dispersion after addition of each.

1. Add dry flowables; wettable powders; aqueous suspensions, flowables or liquids.
2. Maintain agitation and fill spray tank to 3/4 of total spray volume and then add **Avalaire Fluroxypyr EC** and other emulsifiable concentrates and any solutions.

Finish filling the spray tank. Maintain continuous agitation during mixing, final filling and throughout application. If spraying and agitation must be stopped before the spray tank is empty, the materials may settle to the bottom. Settled materials must be resuspended before spraying is resumed. A sparger agitator is particularly useful for this purpose. Settled material may be more difficult to resuspend than when originally mixed.

Sprayer Cleanup:

To avoid injury to or exposure of non-target crops, thoroughly clean and drain spray equipment used to apply **Avalaire Fluroxypyr EC** after use. Cleaning should occur as soon as possible after application of **Avalaire Fluroxypyr EC**. Spray equipment should be cleaned after use with **Avalaire Fluroxypyr EC** by the following procedure:

1. Drain any remaining **Avalaire Fluroxypyr EC** from the spray tank and dispose of according to label disposal instructions.
2. Hose down the interior surfaces of the tank. Flush tank, hoses, boom, and nozzles with clean water for 10 minutes. Fill the tank with water and recirculate for 15 minutes. Spray part of the mixture through the hoses, boom, and nozzles and drain the tank. All rinse water must be disposed of in compliance with local, state, and federal guidelines.
3. Remove the nozzles and screens and clean separately.

If the spray equipment will be used on crops other than those labeled for **Avalaire Fluroxypyr EC**, repeat steps 1 and 2 and thoroughly wash the outside of spray tank and the boom.

APPLICATION DIRECTIONS

Application Timing:

Apply to actively growing weeds. Extreme growing conditions such as drought or near freezing temperatures prior to, at and following time of application may reduce weed control and increase the risk of crop injury at all stages of growth.

Only weeds that are emerged at the time of application will be affected. Foliage that is wet at the time of application may decrease control. Applications of **Avalaire Fluroxypyr EC** are rain-fast within 1 hour after application.

Effect of Temperature on Herbicidal Activity:

Herbicidal activity of **Avalaire Fluroxypyr EC** is influenced by weather conditions. Optimum activity requires active plant growth. The temperature range for optimum herbicidal activity is 55°F to 75°F. Reduced activity will occur when temperatures are below 45°F or above 85°F. Frost before application (3 days) or shortly after (3 days) may reduce weed control and crop tolerance.

Application Rates:

Generally, application rates at the lower end of the specified rate range will be satisfactory for young, succulent growth of sensitive weed species. For less sensitive species, perennials, and under conditions where control is more difficult (plant stress conditions such as drought or extreme temperatures, dense weed stands and/or larger weeds) the higher rates within the rate range will be needed. Weeds growing in the absence of crop competition generally require higher rates to obtain satisfactory control or suppression.

Coverage:

Apply in 3 or more gallons per acre by air or in 8 or more gallons per acre by ground equipment. Do not exceed 40 gallons per acre total spray volume. Use sufficient spray volume to provide thorough coverage and a uniform spray pattern. Inadequate spray volume and coverage may result in decreased weed control. As canopy and weed density increase, spray volume should be increased to obtain equivalent weed control. Use larger nozzle tips or decrease spraying speed to increase spray volume rather than increasing boom pressure. Refer to manufacturer's instructions for information on relationships between spray volume, and nozzle size and arrangement.

Adjuvants:

Generally, this product does not require the use of an adjuvant to achieve satisfactory weed control when applied alone. However, the addition of an adjuvant may optimize herbicidal activity when applications are made (a) at lower carrier volumes, (b) under conditions of cool temperature, low relative humidity or drought, or (c) to small, heavily pubescent kochia. Adjuvants may be used when required by a tank mix partner. Follow all applicable directions on the label for the tank mix partner.

Spot Treatments:

To prevent misapplication, spot treatments should be applied with a calibrated boom or with hand sprayers according to directions provided below.

Hand-Held Sprayers:

Hand-held or backpack sprayers may be used for spot applications of **Avalaire Fluroxypyr EC** if care is taken to apply the spray uniformly and at a rate equivalent to a broadcast application. Application rates in the table are based on an area of 1,000 sq. ft. The amount of **Avalaire Fluroxypyr EC** (fl. oz. or ml) in the table should be mixed with 1 gallon or more of water and applied to an area of 1,000 sq. ft. To calculate the amount of product required for larger areas, multiply the table value (fl. oz. or ml) by the area to be treated in "thousands" of square feet, e.g., if the area to be treated is 3,500 sq. ft. multiply the table value by 3.5 (calc. 3,500 ÷ 1,000 = 3.5). An area of 1000 sq. ft. is approximately 10.5 X 10.5 yards (strides) in size.

Amount of Avalaire Fluroxypyr EC to Equal Specified Broadcast Rate (Mix with 1 Gallon or More of Water and Apply to 1,000 sq. ft.)		
0.4 Pt./A	0.55 Pt./A	0.7 Pt./A
0.15 fl. oz. (4.4 ml)	0.2 fl. oz. (5.9 ml)	0.26 fl. oz. (7.7 ml)

1 fl. oz. = 29.6 (30ml)

Weeds Controlled or Suppressed:

Weeds Controlled		
Bedstraw (cleavers)	Grape species	Puncturevine
Chickweed	Hemp dogbane	Purslane, common

Clover, white	Kochia ¹	Ragweed, common
Cocklebur	Mallow, Venice	Ragweed, giant
Coffeeweed	Morningglory	Sunflower
Flax, volunteer	Prickly lettuce	Velvetleaf
Weeds Suppressed²		
Bindweed, field	Horseweed (marestail)	Mustard
Buckwheat, wild	Knotweed	Nightshade species
Canola, volunteer	Mallow, common	Pennycress, field
Devilsclaw	Marestail	Potato, volunteer
Field horsetail	Marshelder	Russian thistle

¹ Includes herbicide tolerant or resistant biotypes.

² Suppression is expressed as a reduction in weed competition (reduction population or vigor) as compared to untreated areas. The degree of weed control and duration of effect may vary with weed size, density, application rate, coverage, and growing conditions before, during and after treatment.

CROP APPLICATION SITES

Product Precautions for Crop Use:

- Avoid applications where proximity of susceptible crops or other desirable plants is likely to result in exposure to spray or spray drift.

Product Restrictions for Crop Use:

- Do not apply **Avalaire Fluroxypyr EC** directly to, or otherwise permit it to come in direct contact with, susceptible crops or desirable plants including, but not limited to, alfalfa, canola, cotton, lettuce, edible beans, grapes, lentils, mustard, peas, potatoes, radishes, soybeans, sugar beets, sunflowers, tomatoes, or tobacco.
- Do not contaminate irrigation ditches or water used for domestic purposes.
- **Maximum Application Rate (except Pome Fruit):** Do not apply more than 0.7 pint (0.25 lbs fluroxypyr acid) per acre of **Avalaire Fluroxypyr EC** per growing season.
- **Maximum Application Rate for Pome Fruit:** Do not apply more than 1.4 pints (0.49 lbs fluroxypyr acid) per acre of **Avalaire Fluroxypyr EC** per growing season.
- **Plant-back Restriction:** If replanting is required, plant only those crops listed on this label or EPA-approved supplemental labeling for **Avalaire Fluroxypyr EC** within 120 days following application.
- **Chemigation:** Do not apply this product through any type of irrigation system.

Ground Applications:

To minimize spray drift, apply **Avalaire Fluroxypyr EC** in a total spray volume of 8 or more gallons per acre using spray equipment designed to produce large-droplet, low pressure sprays. Refer to the spray equipment manufacturer's instructions for detailed information on nozzle types, arrangement, spacing and operating height and pressure. Spot treatments should be applied only with a calibrated boom to prevent over application. Operate equipment at spray pressures no greater than is necessary to produce a uniform spray pattern. Operate the spray boom no higher than is necessary to produce a uniformly overlapping pattern between spray nozzles. Do not apply with hollow cone-type insecticide nozzles or other nozzles that produce a fine-droplet spray.

Aerial Application:

Drift potential is lowest between wind speeds of 2 to 10 mph. However, many factors, including droplet size and equipment type, determine drift potential at any given speed. Application should be avoided below 2 mph due to variable wind direction and high potential for temperature inversion. Spray drift from aerial application can be minimized by applying a coarse spray at spray boom pressure no greater than 30 psi; by using straight-stream nozzles directed straight back; and by using a spray boom no longer than 3/4 the rotor or wing span of the aircraft. Spray pattern and droplet size distribution can be evaluated by applying sprays containing a water-soluble dye marker or appropriate drift control agents over a paper tape (adding machine tape). Mechanical flagging devices may also be used.

Do not apply under conditions of a low-level air temperature inversion. A temperature inversion is

characterized by little or no wind and lower air temperature near the ground than at higher levels. The behavior of smoke generated by an aircraft mounted device or continuous smoke column released at or near site of application will indicate the direction and velocity of air movement. A temperature inversion is indicated by layering of smoke at some level above the ground and little or no lateral movement.

Wheat, Barley, Oats, Triticale

Apply as a broadcast postemergence treatment to actively growing wheat, barley, oats or triticale from the 2 leaf crop growth stage up to and including flag leaf emergence (Zadoks scale 39) for control of broadleaf weeds. Apply when weeds are actively growing, but before weeds are 8 inches tall or vining. For control of volunteer potatoes, apply before potato plants are 8 inches tall. Only weeds emerged at the time of treatment will be controlled. Extreme growing conditions such as drought or near freezing temperatures prior to, at, and following time of application may reduce weed control and increase the risk of crop injury at all stages of growth. Do not use if cereal crop is underseeded with a legume.

Spot Application:

Spot applications may be made; however, to prevent over-application spot treatments should be applied at rates and spray volumes equivalent to broadcast application. See instructions for Spot Application in “Application Directions” section.

Broadcast Application Rates	
Weed Size or Species¹	Application Rate (Pint/Acre)
Susceptible broadleaf weed seedlings less than 4 inches tall ²	0.3
Susceptible broadleaf weed seedlings less than 8 inches tall or vining	0.4
Volunteer potatoes	0.7

¹ See “Weeds Controlled or Suppressed” section for a complete listing of weeds controlled or suppressed.

² The 0.3 pint/acre rate will generally provide satisfactory control of kochia seedlings less than 4 inches tall (including ALS resistant biotypes). However, when conditions for control are less favorable, such as under drought or cool temperatures, the 0.4 pint/acre rate will provide more consistent control of kochia seedlings 1 to 4 inches tall. Control of small kochia with reduced rates will be more consistent if kochia is at least 1 inch tall. The 0.4 pint/acre rate should be used for optimal control of dicamba tolerant kochia populations (see "Management of Kochia Biotypes" in the Product Information section of this label).

Restrictions:

- Do not allow livestock to graze treated areas or harvest treated forage within 7 days of application.
- Do not apply more than 0.7 (0.25 lbs fluroxypyr acid) pint per acre of Avalaire Fluroxypyr EC per growing season.
- Preharvest Interval: Do not apply closer than 14 days before cutting of hay or 40 days before harvesting of grain and straw.

Fallow Cropland

Apply as a single broadcast treatment by ground or aerial equipment to control susceptible broadleaf weeds. Apply when weeds are actively growing, but before kochia is 8 inches tall and before wild buckwheat is vining. **Avalaire Fluroxypyr EC** may be applied alone or in tank-mix combination with other herbicides (see tank mixing precautions in “Mixing Instructions” section of label.) It is the pesticide user’s responsibility to ensure that all products in the listed mixtures are registered for the intended use. Users must follow the most restrictive directions and precautionary language of the products in the mixture (for example, first aid from one product, spray drift management from another).

Broadcast Application Rates	
Weed Size or Species¹	Application Rate (Pint/Acre)
Susceptible broadleaf weed seedlings less than 8 inches tall or vining	0.4 – 0.7
Volunteer potatoes	

¹ See “Weeds Controlled or Suppressed” section in product label for a complete listing.

Control may be reduced if weeds are under stress from drought or extreme temperatures. Use lower rates to control light to moderate infestations and under good growth conditions. Use higher rates for moderate to heavy

infestations and to compensate for less than ideal growth conditions.

Postemergence Broadleaf Weed Control in Fallow Cropland

(Use in Colorado, Kansas, Nebraska, Oklahoma and Texas only):

Apply as a single broadcast treatment by ground or aerial equipment to control susceptible broadleaf weeds. Apply when weeds are actively growing, but before kochia is 8 inches tall and before wild buckwheat is vining. **Avalaire Fluroxypyr EC** may be applied alone or in tank-mix combination with other herbicides (see tank mixing precautions in “Mixing Instructions” section.) It is the pesticide user’s responsibility to ensure that all products in the listed mixtures are registered for the intended use. Users must follow the most restrictive directions and precautionary language of the products in the mixture (for example, first aid from one product, spray drift management from another).

Broadcast Application Rates	
Weed Size or Species ¹	Application Rate (Pint/Acre)
Susceptible broadleaf weed seedlings less than 8 inches tall or vining	0.4 – 0.7
Volunteer potatoes	

¹ See “Weeds Controlled or Suppressed” section in product label for a complete listing.

Control may be reduced if weeds are under stress from drought or extreme temperatures. Use lower rates to control light to moderate infestations and under good growth conditions. Use higher rates for moderate to heavy infestations and to compensate for less than ideal growth conditions.

Restrictions:

- Do not apply more than 0.7 pints (0.25 lbs fluroxypyr acid) of **Avalaire Fluroxypyr EC** per acre per growing season.
- **Chemigation:** Do not apply this product through any type of irrigation system.

Plantback Restriction: If replanting is required, plant only those crops listed on the label affixed to the container within 120 days following application.

Field Corn

Apply **Avalaire Fluroxypyr EC** as a broadcast post emergence treatment using ground equipment or by air. **Avalaire Fluroxypyr EC** may also be applied as a pre plant treatment for control of emerged volunteer potato or for burndown of emerged weeds (refer to "Special Directions for Control of Volunteer Potato" below). Refer to the Product Information section of this label for detailed information on application timing, effect of temperature on herbicidal activity, application rates, spray coverage and instructions for spot application. **Avalaire Fluroxypyr EC** may be applied in tank mix combination with labeled rates of other registered herbicides. It is the pesticide user’s responsibility to ensure that all products in the listed mixtures are registered for the intended use. Users must follow the most restrictive directions and precautionary language of the products in the mixture (for example, first aid from one product, spray drift management from another).

Weeds Controlled or Suppressed		
Key Weeds Controlled ¹	Key Weeds Suppressed ³	Application Rate (Pint/Acre)
Catchweed bedstraw (cleavers)	Morningglory	0.4
Chickweed	Puncturevine	
Cocklebur	Sunflower	
Common purslane	Velvetleaf	
Common ragweed	Venice mallow	
Giant ragweed		
Hedge bindweed		
Hemp dogbane		
Jimsonweed		
Kochia ²		
	Devilsclaw	
	Field bindweed	
	Field pennycress	
	Horseweed (marestail)	
	Marshelder	
	Mustard	
	Nightshade species	
	Russian thistle	
	Volunteer potato ⁴	
	Wild buckwheat	

¹ See “Weeds Controlled or Suppressed” section of this label for a complete listing.

² Includes herbicide tolerant or resistant biotypes.

³ Suppression is expressed as a reduction in weed competition (reduced population or vigor) as compared to untreated areas. The degree of weed control and duration of effect may vary with weed size, density, application rate, coverage, and growing conditions before, during and after treatment.

⁴ See “Special Directions for Control or Suppression of Volunteer Potato” below.

Application Timing:

Apply as a broadcast or band treatment to field corn up to, and including 5 fully exposed leaf collars (V5 growth stage). Applications to field corn beyond the V5 growth stage should be made as a directed spray using drop nozzles (see crop safety precaution below). Apply when broadleaf weeds are actively growing, but before weeds are 8 inches tall. If wild buckwheat is present, apply before vining stage of growth. Only weeds emerged at the time of application will be controlled or suppressed.

- **Preplant Burndown:** For no-till or burndown applications to control emerged weeds, apply alone or in tank mix combination with a labeled herbicide prior to planting.

Special Directions for Control or Suppression of Volunteer Potato:

- **Preplant Application (Suppression):** Apply 0.4 pint per acre prior to planting corn when the majority of volunteer potato plants are 4 to 8 inches tall. For best results, leave soil undisturbed and plant field corn two weeks following application.
- **Sequential Applications (Control):** To control heavy populations of volunteer potato, a preplant application may be followed by a postemergence application of 0.4 pint per acre. Do not exceed two applications per season.
- **Postemergence Application (Suppression):** Apply 0.4 pint per acre when the majority of volunteer potato plants are 4 to 8 inches tall.

Crop Tolerance Precaution:

Crop injury (stem curvature, stunting, or brace root injury) may occur with some corn hybrids or lines when **Avalaire Fluroxypyr EC** is applied as a broadcast treatment. Hybrids or lines that are susceptible to phenoxy injury may also be susceptible to injury from **Avalaire Fluroxypyr EC**. Consult current seed corn company herbicide management guides for further information.

Tank Mixing:

Avalaire Fluroxypyr EC may be applied alone or in tank mix combination with other herbicides registered for postemergence application in field corn unless tank mixing with **Avalaire Fluroxypyr EC** is specifically prohibited by the label of the tank mix product. If an adjuvant is added to the spray mixture as a requirement of the tank mix partner, follow label directions for both the tank mix partner and the adjuvant product. It is the pesticide user’s responsibility to ensure that all products in the listed mixtures are registered for the intended use. Users must follow the most restrictive directions and precautionary language of the products in the mixture (for example, first aid from one product, spray drift management from another).

Adjuvants:

Generally, this product does not require the use of an adjuvant to achieve satisfactory weed control when applied alone. Adjuvants may be used when required by a tank mix partner. Follow all applicable directions on the label for the tank mix partner. Use of a high quality adjuvant may improve weed control in hot, dry conditions.

Restrictions:

- Do not make more than 2 applications or apply more than 0.7 pint (0.25 lbs fluroxypyr acid) per acre per crop season.
- Do not broadcast apply to field corn with 6 fully exposed leaf collars (V6 growth stage).
- Preharvest Interval: Do not allow livestock to graze or harvest forage from treated areas within 47 days of application. Do not apply less than 90 days before harvest of grain and stover.

Sweet Corn

Apply **Avalaire Fluroxypyr EC** as a broadcast postemergence treatment using ground equipment or by air. **Avalaire Fluroxypyr EC** may also be applied as a preplant treatment for control of emerged volunteer potato or for burndown of emerged weeds (refer to “Special Directions for Control of Volunteer Potato” below). Refer to the Product

Information section of this label for detailed information on application timing, effect of temperature on herbicidal activity, application rates, spray coverage and instructions for spot application. **Avalaire Fluroxypyr EC** may be applied in tank mix combination with labeled rates of other registered herbicides. It is the pesticide user's responsibility to ensure that all products in the listed mixtures are registered for the intended use. Users must follow the most restrictive directions and precautionary language of the products in the mixture (for example, first aid from one product, spray drift management from another).

Weeds Controlled or Suppressed		
Key Weeds Controlled ¹	Key Weeds Suppressed ³	Application Rate (Pint/Acre)
Catchweed bedstraw (cleavers)	Morningglory	Devilsclaw
Chickweed	Puncturevine	Field bindweed
Cocklebur	Sunflower	Field pennycress
Common purslane	Velvetleaf	Horseweed (marestail)
Common ragweed	Venice mallow	Marshelder
Giant ragweed		Mustard
Hedge bindweed		Nightshade species
Hemp dogbane		Russian thistle
Jimsonweed		Volunteer potato ⁴
Kochia ²		Wild buckwheat
		0.4

¹ See "Weeds Controlled or Suppressed" section in product label for a complete listing.

² Includes herbicide tolerant or resistant biotypes.

³ Suppression is expressed as a reduction in weed competition (reduced population or vigor) as compared to untreated areas. The degree of weed control and duration of effect may vary with weed size, density, application rate, coverage, and growing conditions before, during and after treatment.

⁴ See "Special Directions for Control or Suppression of Volunteer Potato" below.

Application Timing

Apply as a broadcast or band treatment to sweet corn up to, and including, 4 fully exposed leaf collars (V4 growth stage). Applications to sweet corn beyond the V4 growth stage should be made as a directed spray using drop nozzles (see crop tolerance precaution below). Apply when broad leaf weeds are actively growing, but before weeds are 8 inches tall. If wild buckwheat is present, apply before vining stage of growth. Only weeds emerged at the time of application will be controlled or suppressed.

- **Preplant Burndown:** For no-till or burndown applications to control emerged weeds, apply alone or in tank mix combination with a labeled herbicide prior to planting.

Special Directions for Control or Suppression of Volunteer Potato:

- **Preplant Application (Suppression):** Apply 0.4 pint per acre prior to planting corn when the majority of volunteer potato plants are 4 to 8 inches tall. For best results, leave soil undisturbed and plant sweet corn two weeks following application.
- **Sequential Applications (Control):** To control heavy populations of volunteer potato, a preplant application may be followed by a postemergence application of 0.4 pint per acre. Do not exceed 2 applications per season.
- **Postemergence Application (Suppression):** Apply 0.4 pint per acre when the majority of volunteer potato plants are 4 to 8 inches tall.

Crop Tolerance Precaution:

Not all sweet corn hybrids have been screened for tolerance to **Avalaire Fluroxypyr EC**. Crop injury (stem curvature, stunting, brace root injury) may occur with some hybrids or lines when **Avalaire Fluroxypyr EC** is applied as a broadcast treatment. Take particular care to manage for environmental conditions such as unfavorable combinations of temperature and humidity. Hybrids or lines that are susceptible to phenoxy injury may also be susceptible to injury from **Avalaire Fluroxypyr EC**. Consult current seed corn company herbicide management guides for further information.

Tank Mixing:

Avalaire Fluroxypyr EC may be applied alone or in tank mix combination with other herbicides registered for post emergence application in sweet corn unless tank mixing is specifically prohibited by the label of the tank mix product.

It is the pesticide user's responsibility to ensure that all products in the listed mixtures are registered for the intended use. Users must follow the most restrictive directions and precautionary language of the products in the mixture (for example, first aid from one product, spray drift management from another).

Use of Spray Adjuvants in Tank Mixes:

Do not use a spray adjuvant when applying **Avalaire Fluroxypyr EC** alone. Use of an adjuvant may increase effectiveness on weeds but may reduce selectivity to the crop, particularly under conditions of plant stress such as drought or cold temperatures. If an adjuvant is added to the spray mixture as a requirement of a tank mix partner, follow all manufacturer's instructions.

Restrictions:

- Do not make more than 2 applications or apply more than 0.7 pint (0.25 lbs fluroxypyr acid) per acre per crop season.
- Do not broadcast apply to sweet corn with 5 fully exposed leaf collars (V5 growth stage).
- **Preharvest Interval:** Do not allow livestock to graze or harvest forage from treated areas within 31 days of application. Do not apply less than 31 days before harvesting ears.
- Do not apply **Avalaire Fluroxypyr EC** in combination with crop oil concentrates, petroleum-based oils or methylated seed oils unless the risk of injury is acceptable.

Grain Sorghum (Milo)

Apply **Avalaire Fluroxypyr EC** as a broadcast treatment using ground equipment or by air. Refer to the Product Information section of this label for detailed information on application timing, effect of temperature on herbicidal activity, application rates, spray coverage and instructions for spot application.

Avalaire Fluroxypyr EC may be applied in tank mix combination with labeled rates of other herbicides such as atrazine. It is the pesticide user's responsibility to ensure that all products in the listed mixtures are registered for the intended use. Users must follow the most restrictive directions and precautionary language of the products in the mixture (for example, first aid from one product, spray drift management from another).

Weeds Controlled or Suppressed				
Key Weeds Controlled ¹		Key Weeds Suppressed ³		Application Rate (Pint/Acre)
Cocklebur	Morningglory	Devilsclaw	Mustard	0.4
Common ragweed	Puncturevine	Field bindweed	Nightshade species	
Giant ragweed	Sunflower	Field pennycress	Russian thistle	
Hedge bindweed	Velvetleaf	Horseweed (marestail)	Wild buckwheat	
Hemp dogbane	Venice mallow			
Kochia ²				

¹ See "Weeds Controlled or Suppressed" section in product label for a complete listing.

² Includes herbicide tolerant or resistant biotypes.

³ Suppression is expressed as a reduction in weed competition (reduced population or vigor) as compared to untreated areas. The degree of weed control and duration of effect may vary with weed size, density, application rate, coverage, and growing conditions before, during and after treatment.

Application Timing

- **Preemergence:** For no-till or burndown applications, apply to emerged weeds after planting, but prior to grain sorghum emergence.
- **Postemergence:** **Avalaire Fluroxypyr EC** may be broadcast applied from the 3-leaf growth stage of grain sorghum through the 7-leaf stage. Use drop nozzles and directed spray from the 8-leaf stage to boot stage. Drop nozzles should direct the spray toward the soil surface to avoid contact with grain sorghum foliage and reduce the potential for crop injury.
- For both preemergence and postemergence applications, apply when weeds are actively growing, but before weeds are 8 inches tall and before wild buckwheat is vining. Only weeds that have emerged at the time of application will be controlled.
- To control heavy weed populations, a preemergence application may be followed by a post emergent application. Do not exceed 2 applications per season.

Tank Mixing:

Avalaire Fluroxypyr EC may be applied alone or in tank mix combination with other herbicides registered for post emergence application in grain sorghum unless tank mixing is specifically prohibited by the label of the tank mix product. It is the pesticide user's responsibility to ensure that all products in the listed mixtures are registered for the intended use. Users must follow the most restrictive directions and precautionary language of the products in the mixture (for example, first aid from one product, spray drift management from another).

Adjuvants: Generally, this product does not require the use of an adjuvant to achieve satisfactory weed control when applied alone. Adjuvants may be used when required by a tank mix partner. Follow all applicable directions on the label for the tank mix partner. Use of a high quality adjuvant may improve weed control under hot, dry conditions.

Restrictions:

- Do not make more than 2 applications or apply more than 0.7 pint (0.25 lbs fluroxypyr acid) per acre per crop season.
- **Pre harvest Interval:** Do not allow livestock to graze or harvest forage within 40 days of application. Do not apply within 70 days of harvesting grain or stover.
- Do not apply after boot stage.
- Do not apply in combination with Metsulfuron-methyl.

Grasses Grown for Seed, Forage or Hay

Avalaire Fluroxypyr EC may be applied for broadleaf weed control in the following grasses grown for seed, forage or hay: bermudagrass, bluegrass (perennial and annual), bromegrass, fescue, hay grazer, orchardgrass, ryegrass (perennial and annual), redtop cane, sorghum, sorghum-Sudan, Sudan, sudex, and timothy. **Avalaire Fluroxypyr EC** may be applied for broadleaf weed control in the following grasses grown for hay or forage only: sorghum and triticale.

Apply **Avalaire Fluroxypyr EC** as a broadcast postemergence treatment using ground equipment or by air. A second application may be made a minimum of 14 days after the first. **Avalaire Fluroxypyr EC** may be applied in tank mix combination at labeled rates with other herbicides registered for these uses. It is the pesticide user's responsibility to ensure that all products in the listed mixtures are registered for the intended use. Users must follow the most restrictive directions and precautionary language of the products in the mixture (for example, first aid from one product, spray drift management from another).

Application Timing:

Apply to established grasses in the spring when weeds are actively growing and before weeds are 8 inches tall. Only weeds emerged at the time of treatment will be controlled. New plantings of grass crops may be treated from the 2 true leaf stage of growth prior to early boot stage.

Broadcast Application Rates	
Weed Size or Species¹	Application Rate (Pint/Acre)
Susceptible broadleaf weed seedlings less than 4 inches tall ²	0.3
Susceptible broadleaf weed seedlings less than 8 inches tall or vining	0.4

¹Refer to the "Weeds Controlled or Suppressed" section in the label booklet for **Avalaire Fluroxypyr EC** for a complete listing of weeds controlled or suppressed.

²The 0.3 pint/acre rate will generally provide satisfactory control of kochia seedlings less than 4 inches tall (including ALS resistant biotypes). However, when conditions for control are less favorable, such as under drought or cool temperatures, the 0.4 pint/acre rate will provide more consistent control of kochia seedlings 1 to 4 inches tall. Control of small kochia with reduced rates will be more consistent if kochia is at least 1 inch tall. The 0.4 pint/acre rate should be used for optimal control of dicamba tolerant kochia populations (see "Management of Kochia Biotypes" in the Product Information section of this label).

Restrictions:

- Do not apply more than 0.7 pint (0.25 lbs fluroxypyr acid) per acre of **Avalaire Fluroxypyr EC** per growing season.
- Do not apply during boot, flowering, or seed development stage of growth if grass crop is to be harvested for seed.
- **Grazing restrictions:** There are no grazing restrictions for lactating or non-lactating dairy animals.

- **Harvest restrictions:** Do not harvest grass for hay or silage from treated areas within 7 days of application.

Slaughter restrictions: Meat animals must be withdrawn from treated forage at least 2 days before slaughter.

Dry Bulb Onions (Colorado only):

Avalaire Fluroxypyr EC may be applied for postemergence control of kochia, volunteer potatoes, and other susceptible broadleaf weeds in dry bulb onions using ground or aerial application equipment. See "Weeds Controlled or Suppressed" section for a complete listing of weeds controlled or suppressed. Follow all mixing and application instructions in the Directions for Use section of this product label.

Rate and Application Timing:

Apply 0.35 pint of **Avalaire Fluroxypyr EC** as a broadcast postemergence treatment. Volunteer potatoes, kochia, and other susceptible target weeds should be from 4 to 8 inches tall for optimum control.

Broadcast (over-the-top) application may be made to dry bulb onions from the 2 true leaf stage through the 6-leaf stage. Application to dry bulb onions beyond the 6-leaf stage should be made as a directed spray using drop nozzles (see crop injury warning below). Do not apply as a broadcast over-the-top spray after the 6-leaf stage of growth. Tank mix combinations with other herbicides registered for use in dry bulb onions may result in unacceptable crop injury. Adjuvants are not recommended with **Avalaire Fluroxypyr EC** applications in dry bulb onions.

Sequential Applications:

To control heavy populations or successive flushes of kochia, volunteer potatoes, or other susceptible broadleaf weeds, two postemergence applications can be made on a 10- to 14-day retreatment interval. Do not make more than 2 applications per season.

Crop Injury Warning:

Crop injury such as but not limited to leaf twisting may occur with some onion cultivars when **Avalaire Fluroxypyr EC** is applied as a broadcast treatment, especially when applications are made to larger dry bulb onions. Do not use **Avalaire Fluroxypyr EC** if the risk of injury is unacceptable.

Restrictions:

- Do not allow livestock to graze treated areas or harvest treated forage within 7 days of application.
- Do not make more than 2 applications per season.
- **Preharvest Interval:** Do not apply within 42 days of onion harvest.
- **Plant-Back Restrictions:** Plant only labeled crops within 120 days of application.
- **Chemigation:** Do not apply through any type of irrigation system.
- Do not apply **Avalaire Fluroxypyr EC** when furrow irrigation is running. Manage treated field to avoid water runoff for at least 6 hours after application.

Pome Fruits

(including, but not limited to Apple, Crabapple, Loquat, Mayhaw, Oriental Pear, Pear, Quince)

Apply **Avalaire Fluroxypyr EC** uniformly with ground equipment in a minimum of 10 gallons of water per acre. Apply during calm periods and when air temperatures are between 50 and 80°F. Avoid contact with foliage. If **Avalaire Fluroxypyr EC** accidentally contacts the tree foliage, the leaves and the affected section of the tree may show symptoms or die but the remainder of the tree will not be affected.

Tank Mixing:

Avalaire Fluroxypyr EC may be tank mixed with other herbicides labeled for use on pome fruit. It is the pesticide user's responsibility to ensure that all products in the listed mixtures are registered for the intended use. Users must follow the most restrictive directions and precautionary language of the products in the mixture (for example, first aid from one product, spray drift management from another).

Weeds Controlled or Suppressed	
Weeds Controlled	Weeds Suppressed ³

0.4 – 0.7 Pt./A	0.7 Pt./A	1.4 Pt./A	1.4 Pt./A
Bedstraw (cleavers)	Chickweed	Blackberry	Buckhorn plantain
Common purslane	Cocklebur	Catsear	Carolina geranium
Hairy buttercup	Coffeeweed, common	Giant ragweed	Common mallow
Hemp dogbane	Ragweed	Goldenrod	Common mullein
Kochia ^{1, 2, 4}	Curly dock	Henbane	Cudweed
Marshelder ²	Cutleaf primrose	Hop clover	Field bindweed
<i>Sericea lespedeza</i> ²	Dandelion	Horsenettle	Field horsetail
Tropic croton	Dogfennel	Ironweed	Field pennycress
	Grape	Lantana	Knotweed
	Horseweed (maretail)	Musk thistle	Leafy spurge
	Morningglory	Spotted knapweed	Mustard
	Prickly lettuce	Wild carrot	Narrowleaf plantain
	Puncturevine		Nightshade species
	Stinging nettle		Spiny amaranth
	Sunflower		Wild buckwheat
	Vetch		Yellow thistle
	Velvetleaf		
	Venice mallow		
	Western ragweed		
	White clover		
	White cockle		

¹ Includes herbicide tolerant or resistant biotypes.

² Use the higher rate in the range to control these weeds.

³ Suppression is expressed as a reduction in weed competition (reduction population or vigor) as compared to untreated areas. The degree of weed control and duration of effect may vary with weed size, density, application rate, coverage, and growing conditions before, during and after treatment.

⁴ For control of larger kochia at more advanced growth stages, increase the rate per acre of **Avalaire Fluroxypyr EC** herbicide to 0.8 to 1.1 pints or tank mix with 1 to 2 quarts per acre of 2,4-D and 1 to 2 quarts per acre of methylated seed oil.

Restrictions:

- Do not apply more than 1.4 pints per acre (0.49 lbs fluroxypyr acid) per year.
- Do not make more than 1 treatment per crop year.
- **Preharvest interval:** Do not apply within 14 days of harvest
- Do not apply **Avalaire Fluroxypyr EC** to trees less than 4-years old.
- Do not apply **Avalaire Fluroxypyr EC** during bloom.
- Do not apply where proximity of susceptible crops or other desirable plants is likely to result in exposure to spray or spray drift.

Conifer and Tree Plantations

Aerial Applications for Conifer and Tree Plantations: Both fixed wing and helicopter equipment may be used to apply this product on conifer and tree plantations, but fixed wing aircraft require additional drift mitigation measures.

To minimize spray drift, apply **Avalaire Fluroxypyr EC** in a total spray volume of 3 gallons or more per acre. Drift potential is lowest between wind speeds of 2 to 10 mph. However, many factors, including droplet size and equipment type, determine drift potential at any given speed. Avoid applying below 2 mph due to variable wind direction and high potential for temperature inversion. Spray drift from aerial application can be minimized by applying a coarse spray at spray boom pressure no greater than 30 psi; by using straight-stream nozzles directed straight back, and by using a spray boom that does not exceed 75% of wing span or 90% of rotor diameter. For fixed wing aircraft, do not exceed 140 mph during the application Do not apply more than 10 feet above the vegetation canopy unless a greater height is required for aircraft safety. Making applications at the lowest height that is safe reduces exposure of droplets to evaporation and wind.

Do not apply under conditions of a low level air temperature inversion. A temperature inversion is characterized by little or no wind and air temperature that is lower near the ground than at higher levels. The

behavior of smoke generated by an aircraft-mounted device or continuous smoke column released at or near site of application will indicate the direction and velocity of air movement. A temperature inversion is indicated by layering of smoke at some level above the ground and little or no lateral movement.

Herbaceous Weed Control: Apply **Avalaire Fluroxypyr EC** at the broadcast rate of 6 to 23 fl oz per acre when weeds are small and/or actively growing. See listing of Weeds Controlled or Suppressed.

Brush Control: **Avalaire Fluroxypyr EC** may be tank-mixed with Garlon® 4 Ultra herbicide (triclopyr, 62719-527), Garlon 3A herbicide (triclopyr, 62719-37), Accord XRT II herbicide (glyphosate, 62719-556), Rodeo (glyphosate, 62719-324), Tordon® K herbicide (picloram, 62719-17), Tordon 101M (picloram, 62719-5) or other registered herbicides for these sites at the indicated timings and rates to increase control of undesirable pine species, manzanita, squaw carpet, shingle oak, red maple, red oak and other woody species.

Directed Sprays Application for Conifer Release: To release conifers from competing brush and weeds such as manzanita and squaw carpet, mix 2 to 4 qts of **Avalaire Fluroxypyr EC** in enough water to make 100 gallons of spray mixture (0.5 to 1% v/v). This spray mixture should be directed onto foliage of competitive brush using calibrated sprayers anytime after the hardwoods and brush have reached full leaf size including fall applications. Care should be taken to direct spray solutions away from contact with conifer foliage, particularly foliage of desirable conifers.

Restrictions:

- Do not apply **Avalaire Fluroxypyr EC** to conifer and tree plantations as an over-the-top broadcast treatment during active terminal growth (from initiation of budbreak/growth flush until seasonal terminal growth has hardened off and over-wintering buds have formed). Directed spray applications may be made to conifer and tree plantations during periods of active growth, but care should be taken to avoid spray contact with actively growing foliage.
- Do not apply **Avalaire Fluroxypyr EC** in tank mix combination to conifer and tree plantations unless the tank mix product is labeled for weed or brush control in conifers by the application method being employed.
- Maximum application rate: Do not apply more than 23 fl oz of this product per acre per year.

Products in Tank Mix	Application Rates (amount per acre)	Woody Plants Controlled
Western Woody Brush		
Avalaire Fluroxypyr EC + Rodeo	16-23 fl oz + 16- 32 fl oz	blackberry
Avalaire Fluroxypyr EC + Garlon 4 Ultra or Forestry Garlon XRT	16-23 fl oz + 1 - 1.25 fl oz or 1.3-1.66 pt	Blackberry manzanita
All Areas		
Avalaire Fluroxypyr EC + Garlon 4 Ultra or Forestry Garlon XRT	17 - 23 fl oz + 2 - 3 qt	bay species black cherry dogwood water oak willow oak
Avalaire Fluroxypyr EC + Garlon 3A	17 - 23 fl oz + 3 - 4 qt	bay species black cherry dogwood water oak willow oak
Avalaire Fluroxypyr EC + Garlon 3A + Tordon 101M (site preparation only)	17 - 23 fl oz + 2 - 4 qt + 4 - 8 qt	pine species red maple red oak shingle oak Virginia pine water oak

Avalaire Fluroxypyr EC + Garlon 3A + Tordon K (site preparation only)	17 - 23 fl oz + 4 qt + 2 qt	pine species red maple red oak shingle oak Virginia pine water oak
Avalaire Fluroxypyr EC + Rodeo or Accord XRT II herbicide	17 - 23 fl oz + 4 - 6 qt	dogwood gallberry pines wax myrtle

APPLICATION TO NON-CROP SITES

Avoiding Drift Run-off to Surface Water or Adjacent Land

Apply this product strictly in accordance with the run-off precautions on this label in order to minimize off- site exposure and potential effects on aquatic organisms and non-target plants.

Under certain conditions, this product may have a potential to run-off to surface water or adjacent land. Use vegetation filter strips or treatment setbacks along rivers, creeks, streams, wetlands, etc or on the downhill side of treated areas where run-off could occur to minimize water runoff.

Avoiding Injurious Spray Drift

Spray drift produced during application is the responsibility of the applicator and care should be taken to minimize off-target movement of spray during application. A drift control agent suitable for agricultural use may be used with this product to aid in reducing spray drift but the first choice should be a coarser spray category nozzle set-up. If used, follow applicable use directions and precautions on the manufacturer's label.

Do not apply where drift may be a problem due to proximity to susceptible crops or other non-target broadleaf plants. Do not apply or otherwise permit this product or sprays containing this product to contact crops or other desirable broadleaf plants, including alfalfa, beans, cotton, grapes, melons, peas, potatoes, safflower, soybeans, sugar beets, sunflower, tobacco, tomatoes, and other vegetable crops, flowers, fruit trees, ornamentals, shade trees or other susceptible broadleaf plants. Do not permit spray mist or drift containing this product to contact susceptible plants because even very small quantities of the spray, that may not be visible, can cause severe injury during either active or dormant periods. Do not use in or around greenhouses.

Ground Application: To minimize spray drift, apply **Avalaire Fluroxypyr EC** in a total spray volume of 5 gallons or more per acre using spray equipment designed to produce coarse or larger droplets per ASAE S-572 standard. Refer to the spray equipment manufacturer's recommendations for detailed information on nozzle types, arrangement, spacing and operating height and pressure. Operate equipment at spray pressures no greater than is necessary to produce a uniform spray pattern. Operate the spray boom no higher than is necessary to produce a uniformly overlapping pattern between spray nozzles. Do not apply with hollow cone-type insecticide nozzles or other nozzles that produce a fine-droplet spray.

Aerial Application in Rights-of-Way (Helicopter Only): In rights-of-way areas, **do not** apply this product with fixed-wing aircraft.

Spray Coverage

Use sufficient spray volume to provide thorough coverage and a uniform spray pattern. Do not broadcast apply in less than 3 gallons per acre by air or 5 gallons per acre by ground equipment. Inadequate spray volume and coverage may result in decreased weed control. As vegetative canopy and weed density increase, increase spray volume to obtain equivalent weed control. Refer to manufacturer's directions for information on relationships between spray volume, and nozzle size and arrangement.

Spot Treatments

Spot treatments may be applied with a calibrated boom or hand sprayer according to directions provided below.

Hand-Held Sprayers: Hand-held or backpack sprayers may be used for spot applications of **Avalaire Fluroxypyr EC** if care is taken to apply the spray uniformly and at a rate equivalent to a broadcast application. Application rates in the table are based an area of 1,000 sq ft. Mix the amount of **Avalaire Fluroxypyr EC** (fl oz or ml) listed in the table with 1 gallon or more of water and apply to an area of 1,000 sq ft. To calculate the amount of product required

for larger areas, multiply the table value (fl oz or ml) by the area to be treated in "thousands" of square feet, e.g., if the area to be treated is 3,500 sq ft, multiply the table value by 3.5 (Calculation: 3,500 ÷ 1,000 = 3.5). An area of 1000 sq ft is approximately 10.5 X 10.5 yards in size.

Amount of Avalaire Fluroxypyr EC to Equal Specified Broadcast Rate (Mix with 1 Gallon or More of Water and Apply to 1,000 sq ft)				
6 fl oz/acre	9 fl oz/acre	12 fl oz/acre	17 fl oz/acre	23 fl oz/acre
0.14 fl oz (4.1 ml)	0.21 fl oz (6.2 ml)	0.28 fl oz (8.3 ml)	0.4 fl oz (11.7 ml)	0.59 fl oz (17.5ml)

1 fl oz = 29.6 (30) ml

Weeds Controlled or Suppressed

(Numbers in parentheses(-) refer to footnotes):

Weeds Controlled			Weeds Suppressed (3)
6 - 12 fl oz/acre	12 fl oz/acre	23 fl oz/acre	23 fl oz/acre
bedstraw (cleavers) common purslane hairy buttercup hemp dogbane kochia (1), (2), (4) marshelder (2) sericea lespedeza (2) tropic croton	chickweed cocklebur coffeeweed, common ragweed curly dock cutleaf primrose dandelion dogfennel grape horsetail/marestail morningglory prickly lettuce puncturevine stinging nettle sunflower vetch velvetleaf venice mallow western ragweed white clover white cockle	blackberry catsear giant ragweed goldenrod henbane hop clover horsenettle ironweed lantana musk thistle prickly pear cactus wild carrot	buckhorn plantain Carolina geranium common mallow common mullein cudweed field bindweed field horsetail field pennycress knotweed leafy spurge mustard narrowleaf plantain nightshade species spiny amaranth wild buckwheat yellow thistle

¹Includes ALS and some other herbicide-tolerant or resistant biotypes.

²Use the higher rate in the range to control these weeds.

³Suppression is expressed as a reduction in weed competition (reduction in population or vigor) as compared to untreated areas. The degree of weed control and duration of effect may vary with weed size, density, application rate, coverage, and growing conditions before, during and after treatment.

⁴For best results, add a methylated or ethylated seed oil surfactant (i.e., MSO or ESO) at the rate of 1-2 quarts per acre for control of kochia. For kochia infestations with larger plants at more advanced growth stages, increasing the rate of **Avalaire Fluroxypyr EC** to 13-17 or 23 fl oz or the addition of 1-2 quarts per acre of 2,4-D ester along with the 1-2 quarts of seed soil surfactant per acre will improve control.

Uses

- airports, barrow ditches, communication transmission lines, electrical power and utility rights-of- way, fencerows, gravel pits, industrial sites, irrigation ditch banks, dry irrigation ditches or canals, military lands, mining and drilling areas, non-irrigation ditch banks, oil pads, parking lots, petroleum tank farms, pipelines, railroads, roadsides, storage areas, storm water retention areas, substations, unimproved rough turfgrasses, vacant lots and other non-crop residential areas;and
- natural areas (open space) including, campgrounds, parks, prairie management, trails and trailheads, recreation areas, wildlife openings and wildlife habitat and management areas;

Including rights-of-way, industrial sites, seasonally dry wetlands, non-irrigation ditch banks, and irrigation banks. Use on irrigation banks includes application of **Avalaire Fluroxypyr EC** on the tops and outer banks of the canals or ditches. Use of **Avalaire Fluroxypyr EC** on the inner portion of dry irrigation canals or ditches can be done as long as water is not used for irrigation for 120 days or residue levels of **Avalaire Fluroxypyr EC** are determined by laboratory analysis, or other appropriate means of analysis, to be 1 ppb or less. See Product Restrictions for Non-Crop Use section for more information.

Apply at the broadcast rate of 6 to 23 fl oz per acre when weeds are small and/or actively growing. Split applications of **Avalaire Fluroxypyr EC** may be made during a single year, provided the total amount of **Avalaire Fluroxypyr EC** applied does not exceed the maximum-labeled rate of 23 fl oz per acre. See listing of Weeds Controlled or Suppressed.

Apply spot treatments at rates and spray volumes equivalent to broadcast application. See Spot Treatments in the APPLICATION TO NON-CROP SITES section.

Product Precautions for Non-Crop Use:

- Avoid applications where proximity of susceptible crops or other desirable plants is likely to result in exposure to spray or spray drift.
- Minimize overspray to open water when treating target vegetation non-flowing, quiescent or transient water. **Note:** Consult local public water control authorities before applying this product around public water; permits may be required to treat such areas.

Product Restrictions for Non-Crop Use:

- Do not contaminate irrigation ditches or water used for domestic purposes.
- **Do not apply to St. Augustine grass in the state of Florida.**
- **Maximum Application Rate:** Do not apply more than 23 fl oz (0.5 lb ai) per acre of **Avalaire Fluroxypyr EC** per year. Split applications of **Avalaire Fluroxypyr EC** may be made during a single year provided the total amount of **Avalaire Fluroxypyr EC** applied does not exceed the maximum labeled rate of 23 fl oz (0.5 lb ai) per acre.
- **Chemigation:** Do not apply this product through any type of irrigation system.
- **[In Arizona:** The state of Arizona has not approved this product for use on plants grown for agricultural/commercial production; such as on designated grazing areas.]
- Do not store or handle other agricultural chemicals with the same containers used for this product. Do not apply other agricultural chemicals or pesticides with equipment used to apply this product unless equipment has been thoroughly cleaned (see Clean-Out Procedures for Spray Equipment).
- **Non-irrigation Ditch Banks and Seasonally Dry Wetland Sites:** It is permissible to treat non-irrigation ditch banks, seasonally dry wetlands (such as flood plains, deltas, marshes, swamps, or bogs), and transitional areas between upland and lowland sites. Do not apply directly to water and take precautions to minimize spray drift to water. For control of woody plants and broadleaf weeds in these sites, follow use directions and application methods on this label for the specific site being treated.
- **Dry Irrigation Canals/Ditches:** Do not apply **Avalaire Fluroxypyr EC** to the inner banks of dry irrigation canals/ditches unless a 120-day restriction on use of irrigation water can be observed or residue levels of fluroxypyr (active ingredient in **Avalaire Fluroxypyr EC**) are determined by laboratory analysis, or other appropriate means of analysis, to be 1 ppb or less. Do not apply on ditches or canals currently being used to transport irrigation water or that will be used for irrigation within 4 months following treatment.
- **Grazing and harvest restrictions:** There are no grazing restrictions for livestock, including lactating or non-lactating dairy animals. Withdraw meat animals from treated forage at least 2 days before slaughter. Do not harvest grass for hay or silage from treated areas within 7 days of application.
- **Plantback restriction:** Only forage grasses, wheat, barley, oats, field corn, sweet corn and grain sorghum may be planted in treated fields within 120 days following application of **Avalaire Fluroxypyr EC**.

Rangeland and Permanent Grass Pastures

Broadcast apply **Avalaire Fluroxypyr EC** as a single treatment or as sequential postemergence treatment using ground or aerial application equipment. Apply as a broadcast treatment when weeds are actively growing, but prior to bud stage of weed growth. **Avalaire Fluroxypyr EC** may be applied in tank mix combination with other foliar-applied herbicides labeled for use on rangeland and permanent grass pastures to control additional weeds and woody plants. Read and follow applicable use directions, precautions and limitations on each product label.

Aerial Application in Rangeland and Permanent Grass Pastures: Both fixed wing and helicopter equipment may be

used to apply this product on rangeland, permanent green pastures, but fixed wing aircraft require additional drift mitigation measures.

To minimize spray drift, apply **Avalaire Fluroxypyr EC** in a total spray volume of 3 gallons or more per acre. Drift potential is lowest between wind speeds of 2 to 10 mph. However, many factors, including droplet size and equipment type, determine drift potential at any given speed. Avoid applying below 2 mph due to variable wind direction and high potential for temperature inversion. Spray drift from aerial application can be minimized by applying a coarse spray at spray boom pressure no greater than 30 psi; by using straight-stream nozzles directed straight back, and by using a spray boom that does not exceed 75% of wing span or 90% of rotor diameter. For fixed wing aircraft, do not exceed 140 mph during the application Do not apply more than 10 feet above the vegetation canopy unless a greater height is required for aircraft safety. Making applications at the lowest height that is safe reduces exposure of droplets to evaporation and wind.

Do not apply under conditions of a low-level air temperature inversion. A temperature inversion is characterized by little or no wind and air temperature that is lower near the ground than at higher levels. The behavior of smoke generated by an aircraft-mounted device or continuous smoke column released at or near site of application will indicate the direction and velocity of air movement. A temperature inversion is indicated by layering of smoke at some level above the ground and little or no lateral movement.

Spot Treatment for Control of Prickly Pear or Other Species

Apply in a total spray volume of 20 to 100 gallons per acre. To prevent misapplication, spot treatments should be applied with hand sprayers according to directions provided below. Do not exceed maximum application rates for **Avalaire Fluroxypyr EC** for a given treatment site per acre. On rangeland and permanent grass pastures, spot treatments may be applied at 0.5% v/v, however do not apply more than 23 fl oz of **Avalaire Fluroxypyr EC** per acre per year. Repeat treatments may be applied as necessary, but total use must not exceed the maximum amount specified.

Tank Mix: For control of additional weeds and woody plants, **Avalaire Fluroxypyr EC** may be tank mixed with Milestone (aminopyralid-tripromine, 62719-519), Remedy® Ultra herbicide (triclopyr, butoxyethyl ester, 62719-552), Chaparral (aminopyralid + metsulfuron-methyl, 62719-597), Forefront HL (aminopyralid-tripromine + 2,4-D, 62719-630), Tordon 22K herbicide (picloram-potassium, 62719-6) or other herbicides registered for use on rangeland or grass pastures at rates allowed by the appropriate label. It is the pesticide user's responsibility to ensure that all products in the listed mixtures are registered for the intended use. Users must follow the most restrictive directions and precautionary language of the products in the mixture (for example, first aid from one product, spray drift management from another).

Products in Tank Mix	Application Rates (amount per acre)	Additional Weeds/Brush Controlled	
Avalaire Fluroxypyr EC+ Milestone	4-6 fl oz 4-7 fl oz	Spotted, diffuse and Russian or other knawweeds	Yellow starthistle Tropical soda apple Canada thistle
Avalaire Fluroxypyr EC + Chaparral	4-6 fl oz 3.3 oz	Whitetop mustards	
Avalaire Fluroxypyr EC+ Remedy Ultra	4 fl oz + 9 fl oz	buttercup, hairy croton dogbane, hemp kochia lespedeza, sericea	marshelder ragweeds sunflower thistle, musk vetch
Avalaire Fluroxypyr EC+ Remedy Ultra	6 fl oz + 3/4 pt	dandelion dock, curly dogfennel goldenrod	horseweed/marestail ironweed lantana plantain
Avalaire Fluroxypyr EC+ Remedy Ultra	9 fl oz+ 1 pt	blackberry persimmon rose, multiflora	wax myrtle

Avalaire Fluroxypyr EC+ Tordon 22K	6 fl oz + 1/2 pt	bindweed, field broomweed, annual buttercup, hairy cocklebur croton dogbane, hemp dogfennel goldenrod horsenettle horsetweed	kochia lespedeza, sericea marshelder mullein ragweeds sneezeweed, bitter sunflower thistle, musk vetch
Avalaire Fluroxypyr EC+ Tordon 22K	12 fl oz + 1 pt	blackberry locust plum, wild prickly pear cactus	rose, Cherokee rose, Macartney rose, multiflora sumac

Restrictions:

- **Avalaire Fluroxypyr EC may injure or kill legumes.** Do not apply if the injury to legumes cannot be tolerated. Legumes may be less sensitive to herbicide injury after plant growth is mature and seed has set.
- **Maximum Application Rate:** Do not apply more than 23 fl oz of **Avalaire Fluroxypyr EC** per acre per year.
- **Grazing and harvest restrictions:** There are no grazing restrictions for livestock, including lactating or non-lactating dairy animals. Withdraw meat animals from treated forage at least 2 days before slaughter. Do not harvest grass for hay or silage from treated areas within 7 days of application.
- **Plantback restriction:** Only forage grasses, wheat, barley, oats, field corn, sweet corn and grain sorghum may be planted in treated fields within 120 days following application of **Avalaire Fluroxypyr EC**.

On-Farm Non-cropland

Apply as a single broadcast treatment or spot treatment to control susceptible broadleaf weeds in on-farm non-cropland areas including fencerows, building perimeters, around irrigation equipment and on-farm private roadways. Apply at the rate of 0.4 to 0.7 pints per acre when weeds are small and actively growing, but before weeds are 8 inches tall or vining. Spot treatments should be applied at rates and spray volumes equivalent to broadcast application. See instructions for "Spot Application" in "Application Directions" section. See "Weeds Controlled or Suppressed" section for a complete listing of weeds controlled or suppressed.

CRP Acres

Avalaire Fluroxypyr EC may be applied to Conservation Reserve Program (CRP) acres. For best results, apply as a single broadcast treatment by ground or aerial equipment to control susceptible broadleaf weeds. Apply at the rate of 0.4 to 0.7 pints per acre when weeds are small and actively growing, but before weeds are 8 inches tall or vining. Spot treatments should be applied at rates and spray volumes equivalent to broadcast application. See instructions for "Spot Application" in "Application Directions" section. See "Weeds Controlled or Suppressed" section for a complete listing of weeds controlled or suppressed.

Restriction:

- Grazing or haying of treated CRP acres is prohibited.
- Do not use on CRP acres that are under seeded with desirable legumes, clovers, or other sensitive broadleaf plants.

Established Turfgrass

Avalaire Fluroxypyr EC provides postemergence control of annual and perennial broadleaf weeds in established turfgrass, including sod farms, residential lawns, golf courses, recreational, commercial and public turf areas.

Use Restrictions

- Do not use **Avalaire Fluroxypyr EC** on golf course putting greens or tees.
- Do not allow sprays of **Avalaire Fluroxypyr EC** to contact exposed suckers or exposed roots of shallow rooted trees and shrubs or injury may occur.
- Do not reseed turfgrass for three weeks after application.

- Do not apply this product to warm season turfgrasses while they are transitioning from winter dormancy to active growth in late winter or early spring as spring green-up can be significantly delayed. Warm season turfgrass species (except St. Augustine grass) may be treated with up to 11 fl. oz of **Avalaire Fluroxypyr EC** per acre during winter if warm season turfgrass is completely dormant when making applications to control winter annual broadleaf weeds.
- Maximum application rate: Do not apply more than 23 fl oz of this product per acre per year.

Use Precautions:

- To minimize the potential for unacceptable turfgrass injury, do not make additional applications within 4 weeks of a previous application unless injury can be tolerated.
- Apply only to turfgrass species that are well established. Mow newly-seeded turfgrass two or three times before applying **Avalaire Fluroxypyr EC**.

Users who wish to use **Avalaire Fluroxypyr EC** on a turfgrass species not identified on this label may determine the suitability for such use by treating a small area at a listed rate. Prior to treatment of larger areas, observe the treated area for any sign of herbicidal injury during 30 days of typical growing conditions. The user assumes the responsibility for any plant damage or other liability resulting from use of **Avalaire Fluroxypyr EC** on turfgrass species not identified on this label.

Use Avalaire Fluroxypyr EC on the following established turfgrass

species: Common Name	Scientific Name
Established Cool Season Turfgrass	
bentgrass ¹	<i>Agrostis</i> spp.
bluegrass, Kentucky	<i>Poa pratensis</i>
fescue, chewing	<i>Festuca rubra</i> var. <i>commutata</i>
fescue, creeping red	<i>Festuca rubra</i>
fescue, sheep	<i>Festuca ovina</i>
fescue, tall	<i>Schedonorus arundinaceus</i>
ryegrass, perennial	<i>Lolium perenne</i>

Established Warm Season Turfgrass²

bahiagrass	<i>Paspalum notatum</i> var. <i>saurae parodi</i>
bermudagrass ¹	<i>Cynodon dactylon</i>
centipedegrass	<i>Eremochloa ophiuroides</i>
St. Augustine grass ³	<i>Stenotaphrum secundatum</i>
Zoysiagrass	<i>Zoysia japonica</i> / <i>Zoysia tenuifolia</i>
fescue, tall (growing in warm season areas)	<i>Schedonorus arundinaceus</i>

¹Use **Avalaire Fluroxypyr EC** on these species only at the 6 fl oz per acre rate and only if some injury can be tolerated.

²Use no more than 11 fl oz per acre on warm season turfgrass species unless some injury can be tolerated. Do not apply this product to warm season turfgrass while it is transitioning from winter dormancy to active growth in late winter or early spring as spring green-up can be significantly delayed. Warm season turfgrass species (except St. Augustine grass) may be treated with up to 11 fl oz per acre during winter if warm season turfgrass is completely dormant when making applications to control winter annual broadleaf weeds.

³**Do not apply this product to St. Augustine grass in the state of Florida.** In states other than Florida, do not apply more than 6 fl oz of this product per acre to St. Augustine grass and do not make applications to St. Augustine grass between April 1 and October 31.

Weeds Controlled or Suppressed and Application Rates

Weeds Controlled	Application Rate ¹	
	(fl oz/acre)	(fl oz/1000 sq ft)

bedstraw, catchweed deadnettle, purple purslane, common	6-8	0.14-0.19 (4.1 - 5.5 ml)
bindweed, field burnweed, American burweed, lawn buttonweed, Virginia catsear, common chickweed cinquefoil, oldfield clover, white ivy, ground lespedeza, common medic, black sida, southern speedwell, slender strawberry, wild velvetleaf woodsorrel, common woodsorrel, yellow	8-11	0.19-0.25 (5.5 - 7.6 ml)
clover, hop dandelion, common henbit knotweed, prostrate matchweed plantain, broadleaf plantain, buckhorn spurge, spotted	23	0.59 fl oz (17.5 ml)
dollarweed (suppression only) veronica species (suppression only)	8-23	0.19-0.59 (5.5 -17.5 ml)

¹Generally, application rates at the lower end of the rate range will be satisfactory for young, succulent growth of sensitive weed species. For less sensitive species, perennials, and other conditions where control is more difficult (plant stress conditions, such as drought or extreme temperatures, dense weed stands and/or larger weeds), the higher rates within the rate range will be needed. Weeds growing in the absence of competition from other vegetation generally require higher rates to obtain satisfactory control or suppression.

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal.

PESTICIDE STORAGE: Store above 10°F or warmer and agitate before use. In case of spill or leak on floor or paved surfaces, soak up with sand, earth, or synthetic absorbent. Remove to chemical waste area.

PESTICIDE DISPOSAL: Pesticide wastes are toxic. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

CONTAINER HANDLING:

Nonrefillable Containers (≤ 5 gallons): Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. **Triple rinse as follows:** Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container 1/4 full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Offer for recycling, if available or reconditioning if appropriate or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.

Nonrefillable Containers (> 5 gallons): Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. **Triple rinse as follows:** Empty the remaining contents into application equipment or a mix tank. Fill the container 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. Offer for recycling, if available or reconditioning if appropriate or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.

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 Fluroxypyr EC is a trademark of Avalaire, LLC

{LANGUAGE ON LABEL AFFIXED TO CONTAINER}

FLUROXYPYR	GROUP	4	HERBICIDE
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Avalaire Fluroxypyr ECTM

[Alternate Brand Name: SempereX]

[For Selective Postemergence Control of Annual and Perennial Broadleaf Weeds and Volunteer Potatoes in Small Grains (Wheat, Barley, Oats and Triticale), Field Corn, Sweet Corn, Grain Sorghum, Dry Bulb Onions, Pome Fruits, Conifer and Tree Plantations, Rangeland and Permanent Grass Pastures, Fallow Cropland, On-Farm Non-Cropland, Grasses Grown for Seed, Forage, or Hay; Labeled Non-Crop Sites and Established Turfgrass including Grazed Areas on these sites.]

[Do not apply to St. Augustine grass in the state of Florida.]
 Not for Sale, Distribution, or Use in Nassau and Suffolk Counties, New York.

ACTIVE INGREDIENT:	(% by weight)
Fluroxypyr, 1-methylheptyl ester: ((4-amino-3,5-dichloro-6-fluoro-2-pyridinyl)oxy) acetic acid, 1-methylheptyl ester	45.52%
OTHER INGREDIENTS	54.48%
TOTAL	100.0%

Equivalent to 2.8 pounds of fluroxypyr acid per gallon (31.6%).

KEEP OUT OF REACH OF CHILDREN WARNING/AVISO

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 in eyes:	<ul style="list-style-type: none"> ● Hold eye open and rinse slowly and gently with water for 15-20 minutes. ● Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. ● Call a poison control center or doctor for treatment advice.
If swallowed:	<ul style="list-style-type: none"> ● Call a poison control center or doctor immediately for treatment advice. ● Have person sip a glass of water if able to swallow. ● Do not induce vomiting unless told to do so by a poison control center or doctor. ● Do not give anything by mouth to an unconscious person.
If on skin or clothing:	<ul style="list-style-type: none"> ● Take off contaminated clothing. ● Rinse skin immediately with plenty of water for 15-20 minutes. ● Call a poison control center or doctor for treatment advice.
If inhaled	<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 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 & DOMESTIC ANIMALS
 WARNING**

Causes substantial but temporary eye injury. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. Do not get in eyes or on clothing. Wash thoroughly before eating, drinking, chewing gum, using tobacco, or using the toilet. Remove and wash contaminated clothing before reuse.

ENVIRONMENTAL HAZARDS

This product is toxic to fish. Drift or runoff from treated areas may be hazardous to aquatic organisms and non-target plants. Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when cleaning equipment or disposing of equipment washwaters.

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal.
PESTICIDE STORAGE: Store above 10°F or warmer and agitate before use. In case of spill or leak on floor or paved surfaces, soak up with sand, earth, or synthetic absorbent. Remove to chemical waste area.
PESTICIDE DISPOSAL: Pesticide wastes are toxic. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

CONTAINER HANDLING

Nonrefillable Containers (≤ 5 gallons): Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. **Triple rinse as follows:** Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container 1/4 full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Offer for recycling, if available or reconditioning if appropriate or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.
Nonrefillable Containers (> 5 gallons): Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. **Triple rinse as follows:** Empty the remaining contents into application equipment or a mix tank. Fill the container 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. Offer for recycling, if available or reconditioning if appropriate or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.

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

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

EPA Reg. No. 93930-34
EPA Est. No. _____

Net Contents: