



OFFICE OF CHEMICAL SAFETY AND POLLUTION PREVENTION

WASHINGTON, D.C. 20460

June 24, 2025

SENT BY EMAIL

Kayla Ward
kayla.ward@atticusllc.com
AVALAIRE, LLC

Subject: Labeling Notification per Pesticide Registration Notice (PRN) 98-10 - Minor formatting revisions to label
Product Name: Avalaire Metribuzin 4 F
Admin Number: 93930-28
EPA Receipt Date: 08/22/2024
Action Case Number: 00626585

Dear Kayla Ward:

The U.S. Environmental Protection Agency is in receipt of your application for notification under Pesticide Registration Notice 98-10 for the above referenced product. The EPA has conducted a review of this request for its applicability under PRN 98-10 and finds that the action requested falls within the scope of PRN 98-10.

The labeling submitted with this application has been stamped "Notification" and will be placed in our records.

Should you wish to add/retain a reference to your company's website on your label, then please be aware that the website becomes labeling under the Federal Insecticide, Fungicide, and Rodenticide Act and is subject to review by the EPA. If the website is false or misleading, the product will be considered to be misbranded and sale or distribution of the product is unlawful under FIFRA section 12(a)(1)(E). 40 CFR § 156.10(a)(5) lists examples of statements the 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 EPA find or if it is brought to our attention that a website contains statements or claims substantially differing from statements or claims made in connection with obtaining a FIFRA section 3 registration, the website will be referred to the EPA's Office of Enforcement and Compliance Assurance.

If you have questions, please contact Margaret Golembiewski via email at golembiewski.margaret@epa.gov.

Sincerely,

Kable Bo Davis

Kable Bo Davis, Senior Advisor
HB, RD
Office of Pesticide Programs

NOTIFICATION

93930-28

The applicant has certified that no changes, other than those reported to the Agency have been made to the labeling. The Agency acknowledges this notification by letter dated:

06/24/2025

[Note to reviewer: [Text] in brackets denotes optional language.]

[Note to reviewer: {Text} in braces denotes where in the final label the text will appear.]

| | | | |
|------------|-------|---|-----------|
| METRIBUZIN | GROUP | 5 | HERBICIDE |
|------------|-------|---|-----------|

AVALAIRE METRIBUZIN 4 F

[Alternate Brand Name: Sekola 4 F]

AVALAIRE METRIBUZIN 4 F is a flowable herbicide for control of certain grasses and broadleaf weeds on alfalfa, asparagus, barley (spring and winter), carrots, field corn, garbanzo beans (chick peas), lentils, peas, potatoes, sainfoin, soybeans, sugarcane, tomatoes, winter wheat.

ACTIVE INGREDIENT:

Metribuzin: 4-Amino-6-(1,1-dimethylethyl)-3-(methylthio)-1, 2, 4-triazin-5(4H)-one.....41.0%

OTHER INGREDIENTS:.....59.0%

TOTAL:.....100.0%

Contains 4 lbs. of metribuzin per gallon.

KEEP OUT OF REACH OF CHILDREN CAUTION

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.)

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

EPA Reg. No.: 93930-28

EPA Est. No.:

Net Contents:
20200921b

Manufactured fFor:
Avalaire, LLC

1204 Village Market Place, #173940 NW Cary Parkway, Suite 200
MorrisvilleCary, NC 2751360

{LANGUAGE INSIDE BOOKLET}

| FIRST AID | |
|--|---|
| 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 to 20 minutes.• Call a poison control center or doctor for treatment advice. |
| HOT LINE NUMBER | |
| Have the product container or label with you when calling a poison control center or doctor, or going for treatment. For emergency medical assistance, call SafetyCall: 1-844-685-9173/984-465-4791 . For chemical emergency: spill, leak, fire, exposure or accident, call CHEMTREC: 1-800-424-9300 . | |

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

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION

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Harmful if swallowed or absorbed through skin. Avoid contact with eyes, skin or clothing.

PERSONAL PROTECTIVE EQUIPMENT (PPE):

Applicators and other handlers must wear:

- Long sleeved shirt and long pants,
- Waterproof gloves,
- Socks plus footwear.

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 for agricultural pesticides (40 CFR 170.240(d)(4-6), the handler PPE requirements may be reduced or modified as specified in the WPS.

PHYSICAL OR CHEMICAL HAZARDS

Do not mix or allow coming into contact with oxidizing agents, hazardous chemical reaction may occur.

USER SAFETY RECOMMENDATIONS

Users should:

- Wash hands thoroughly after handling and before eating, drinking, chewing gum, using tobacco or using the toilet.
- Remove clothing 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.

Do not contaminate feed or food. Keep out of reach of children. Obtain prompt medical aid if poisoning should occur.

ENVIRONMENTAL HAZARDS

Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment washwaters or rinsate.

GROUNDWATER ADVISORY: Metribuzin is a chemical which can travel (seep or leach) through soil and can contaminate groundwater which may be used as drinking water. Metribuzin had been found in groundwater as a result of agricultural use. Users are advised not to apply Metribuzin where the water table (groundwater) is close to the surface, and where the soils are very permeable, i.e. well drained soils such as loamy sands. Your local agricultural agencies can provide further information on the type of soil in your area and the location of groundwater.

DIRECTIONS FOR USE

It is 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 agency responsible for pesticide regulation.

AGRICULTURAL USE REQUIREMENTS

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

Do not enter or allow worker entry into treated areas during the restricted-entry interval (REI) of 12 hours.

Exception: if the product is soil injected or soil incorporated, the Worker Protection Standard, under certain circumstances, allows workers to enter the treated area if there will be no contact with anything that has been treated. PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water, is:

- Coveralls,
- Waterproof gloves, and
- Shoes plus socks.

PRODUCT INFORMATION

Mixing: 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 for use and precautionary statements on each product in the tank mixture.

When using this product, make sure the sprayer is completely clean, free of rust or corrosion which occurs from Winter storage. Examine strainers and screens to be sure the sprayer is clean from previously used pesticides.

Keep any tank mix containing this product agitated and sprayed out immediately. Do not allow tank mixes to stand for prolonged periods of time.

The proper mixing procedure for **AVALAIRE METRIBUZIN 4 F** alone or in tank mix combinations with other herbicides is:

1. Fill the spray tank 1/4 to 1/3 full with clean water.
2. Add specified rate of **AVALAIRE METRIBUZIN 4 F** while recirculating and agitator running.
3. Follow the triple rinse procedure described under STORAGE AND DISPOSAL to ensure that all product is removed from the container.
4. Mix thoroughly and add clean water to fill spray tank to desired level.
5. Add the other herbicide to tank last and agitate thoroughly.
6. Continue agitation during application and until sprayer tank is empty.

Soil Texture: As used on this label "Coarse soils" are loamy sand or sandy loam soils. "Medium soils" are loam, silt loam, silt, sandy clay, or sandy clay loam. "Fine soils" are silty clay, silty clay loam, clay, or clay loam. Silty clay soils are transitional soils and may be classified as medium textured soils in some regions of the U.S.

PRODUCT RESTRICTIONS

- Do not use on other crops grown for food or forage.
- Apply this product only as specified on this label
- Do not rotate any crop not listed on this label for 18 months following application.
- Do not allow sprays to drift on to adjacent desirable plants.
- Observe all cautions and limitations on labeling of all products used in mixtures.
- For all uses: Low pressure, high volume hand wand equipment is prohibited.

RESISTANCE-MANAGEMENT RECOMMENDATIONS

For resistance-management, **AVALAIRE METRIBUZIN 4 F** is a Group 5 herbicide. Any weed population may contain or develop plants naturally resistant to **AVALAIRE METRIBUZIN 4 F** and other Group 5 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 METRIBUZIN 4 F** or other Group 5 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 from a different group if such use is permitted; where information on resistance in target weeds 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.
- Fields should be scouted prior to application to identify the weed species present and their growth stage to determine if the intended application will be effective. Fields should be scouted after application to verify that the treatment was effective.
- 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.
- Suspected herbicide-resistant weeds may be identified by these indicators:
 - Failure to control a weed species normally controlled by the herbicide at the dose applied, especially if control is achieved on adjacent weeds;
 - A spreading patch of non-controlled plants of a particular weed species; and
 - Surviving plants mixed with controlled individuals of the same species

- Contact your local extension specialist or certified crop advisors for additional pesticide resistance-management and/or integrated weed-management recommendations for specific crops and weed biotypes.

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

CHEMIGATION

This product may be applied through sprinkler irrigation equipment to potatoes, soybeans, tomatoes, and asparagus as directed on this label. Refer to the crop sections of this label for rates, weeds controlled or suppressed, restrictions, and special precautions.

Apply this product only through sprinkler (including center pivot, lateral move, or solid set) irrigation systems. Do not apply this product through any other type of irrigation system.

Crop injury, lack of effectiveness, or illegal pesticide residues in the crop can result from nonuniform distribution of treated water.

Calibration: (Center Pivot and Self-Propelled Lateral Move Systems): Sprinkler irrigation systems must be accurately calibrated for application of this product. Greater accuracy in calibration (and distribution) will be achieved by injecting a larger volume of a more dilute mixture of product and water per hour. Follow the steps below to calibrate center pivot and lateral move systems:

1. Determine number of minutes required to make one complete revolution while applying to $\frac{1}{4}$ to $\frac{3}{4}$ inch of water per acre.
2. With the system at operating pressure determine the exact number of minutes required to inject 1.0 gallon of water.
3. Divide the time required for 1 revolution (step 1) by the time required to inject 1.0 gallon (step 2). This gives total gallons of product-water mixture to be added to nurse tank.
4. Add required amount of water to nurse tank and start the agitation system. Then add this product at the appropriate rate (See Broadcast Applications) to the nurse tank.

Example: If 20 hours (1200 minutes) were required for 1 revolution and if 2 minutes were required to inject 1.0 gallon, then a total of 600 gallons of product-water mixture are required ($1200/2=600$); to treat 135 acres at 1 pint/acre, 135 pints (16 gallons and 7 pints) of this product are required.

If you have questions about calibration, you should contact State Extension Service Specialists, equipment manufacturers or other experts.

Do not connect an irrigation system (including greenhouse systems) used for pesticide application to a public water system unless the pesticide label-prescribed safety devices for public water systems are in place.

A person knowledgeable of the chemigation system and responsible for its operation, or under supervision of the responsible person, shall shut the system down and make necessary adjustments should the need arise.

The system must contain a functional check valve, vacuum relief valve, and low pressure drain appropriately located on the irrigation pipeline to prevent water source contamination from backflow.

The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection pump.

The pesticide injection pipeline must also contain a functional normally closed, solenoid-operated valve located on the intake side of the injection pump and connected to the system interlock to prevent fluid from being withdrawn from supply tank when the irrigation system is either automatically or manually shut down. The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops.

The irrigation line or water pump must include a functional pressure switch which will stop the water pump motor when the water pressure decreases to the point where pesticide distribution is adversely affected.

Systems must use a metering pump, such as a positive displacement injection pump (e.g. diaphragm pump) effectively designed and constructed materials that are compatible with pesticides and capable of being fitted with a system interlock.

Do not apply when wind speed favors drift beyond the area intended for treatment. Maintain continuous agitation in the injection nurse tanks during the herbicide application, sufficient to keep herbicide in suspension.

Apply specified dosage in $\frac{1}{4}$ to $\frac{3}{4}$ inch of water ($\frac{1}{4}$ to $\frac{1}{2}$ inch of water on sandy soils) per acre as continuous injection in center pivot and lateral move systems or in the last 15 to 30 minutes of set in permanent solid set sprinkler systems. Application of more than the quantity of irrigation water directed on this label may result in decreased product performance by removing the chemical from the zone of effectiveness. Where sprinkler distribution patterns do not overlap sufficiently unacceptable weed control may result. Allow sufficient time for pesticide to be flushed through all lines and all nozzles before turning off irrigation water. To insure that lines are flushed and free of remaining pesticide, an indicator dye may be injected into the lines to mark the end of the application period.

Use a minimum of 1 part water to 1 part herbicide for injection. The use of larger volume of water will ensure greater accuracy and more uniform distribution.

Aerial Drift Reduction Advisory Information

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

The following drift management requirements must be followed to avoid off-target drift movement from aerial applicators to agricultural field crops. These requirements do not apply to forestry applicators, public health uses or to applications using dry formulations.

1. The distance of the outer most nozzles on the boom must not exceed $\frac{3}{4}$ the length of the wingspan or rotor.
2. Nozzles must always point backward parallel with the air stream and never be pointed downwards more than 45 degrees.
3. Where states have more stringent regulations, they must be observed.
4. The applicator should be familiar with and take into account the information covered in Aerial Drift Reduction Advisory Information.

Information on Droplet Size: The most effective way to reduce drift potential is to apply large droplets. The best drift management strategy is to apply the largest droplets that provide sufficient coverage and control. Applying larger droplets reduces drift potential, but will not prevent drift if applications are made

improperly, or under unfavorable environmental conditions (see Wind, Temperature and Humidity, and Temperature Inversions).

Controlling Droplet Size:

- **Volume**—Use high flow rate nozzles to apply the highest practical spray volume. Nozzles with higher rated flows produce larger droplets.
- **Pressure**—Do not exceed the nozzle manufacturer's directed pressures. For many nozzle types lower pressure produces larger droplets. When higher flow rates are needed, use higher flow rate nozzles instead of increasing pressure.
- **Number of Nozzles**—Orienting nozzles so that the spray is released parallel to airstream produces larger droplets than other orientations and is the required practice. Significant deflection from horizontal will reduce droplet size and increase drift potential.
- **Nozzle Type**—Use a nozzle type that is designed for the intended application. With most nozzle types, narrower spray angles produce larger droplets. Consider using low-drift nozzles. Solid stream nozzles oriented straight back produce the largest droplets and the lowest drift.

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Boom Length: For some use patterns, reducing the effective boom length to less than $\frac{3}{4}$ of the wingspan or rotor length may further reduce spray drift without reducing swath width.

Application Height: Applications should not be made at a height greater than 10 feet above the top of the largest plants 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.

Swath Adjustment: When applications are made with a crosswind, the swath will be displaced downwind. Therefore, on the up and downwind edges of the field, the applicator must compensate for this displacement by adjusting the path of the aircraft upwind. Swath adjustment distance should increase, with increasing drift potential (higher wind, smaller drops, etc.)

Wind: 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 inversion potential. Note: Local terrain can influence wind patterns. Every applicator should be familiar with local wind patterns and how they affect spray drift.

Temperature and Humidity: When making applications in low relative humidity, set up equipment to produce larger droplets to compensate for evaporation. Droplet evaporation is most severe when conditions are both hot and dry.

Temperature Inversions: Do not apply during temperature inversion because drift potential is high. Temperature inversions restrict vertical air mixing which causes small suspended droplets to remain in a concentrated cloud. This cloud can move in unpredictable directions due to the light variable winds common during inversions. Temperature inversions are characterized by increasing temperatures with altitude and are common on nights with limited cloud cover and light to no wind. They begin to form as the sun sets and often continue into the morning. Their presence can be indicated by ground fog; however, if fog is not present, inversions can also be identified 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.

Sensitive Areas: This product should only be applied when the potential for drift to adjacent sensitive areas (e.g. residential areas, bodies of water, known habitat for threatened or endangered species, non-target crops) is minimal (e.g. when wind is blowing away from the sensitive areas).

Application of This Product with Herbicide Spray Equipment

Use a standard low-pressure (20 to 40 psi.) herbicide boom sprayer equipped with suitable nozzles and screens no finer than 50-mesh in-nozzle and in-line strainers. Agitate thoroughly before and during application with bypass agitation. Low pressure, high volume hand wand equipment is prohibited.

Ground Application: Apply the proper rate of this product in a minimum of 10.0 to 40.0 gallons of spray mixture per acre broadcast.

Banded Application: Use proportionally less of this product per acre in a band versus a broadcast application. For band application use ¼ to 1.0 gallon of spray mix per inch of band width regardless of row spacing.

Examples: (1) To treat a 15-inch band on rows 30 inches apart, use 1/2 of the broadcast rate of **AVALAIRE METRIBUZIN 4 F**. (2) To treat a 14-inch band on rows 42 inches apart, use 1/3 of the broadcast rate of this product.

Aerial Application: Where permitted, apply specified rate in a minimum of 2.0 to 10.0 gallons of spray mixture per acre. Do not apply aerially when wind speed is greater than 10 mph.

For All Applications of AVALAIRE METRIBUZIN 4 F: Sprayer must be accurately calibrated before applying this product. Check sprayer during application to be sure it is working properly and delivering a uniform spray pattern. As the volume of spray mixture decreases per acre, the importance of accurate calibration and uniform application increases. Avoid over application, misapplication, and boom and spray swath overlapping that will increase spray dosage. (Crop injury may occur as result). Avoid spray skips and gaps which allow weeds to grow in untreated soil. Do not apply when weather conditions favor spray drift and/or when sensitive or cool season crops, such as cole crops, onions, peas, or strawberries are present in adjacent fields or in areas where wheat is growing in coarse textured soils.

Sprayer Cleanup: Spray equipment must be thoroughly cleaned to remove remaining traces of herbicide that might injure other crops to be sprayed. Drain any remaining spray solution of this product from the spray tank and dispose of according to label disposal instructions. Rinse the spray tank and refill with water, adding a heavy-duty detergent at the rate of 1 cup per 20.0 gallons of water. Recycle this mixture through the equipment for 5 minutes and spray out. Repeat this procedure twice. Fill the spray tank with clean water, recycle for 5 minutes, and spray out. Clean pump and nozzle screens thoroughly. Wash away any spray mixture from the outside of spray tank, nozzles or spray rig. All rinse water must be disposed of in compliance with local, state, and Federal guidelines.

Application of AVALAIRE METRIBUZIN 4 F in Fluid Fertilizers

This product may be applied in fluid fertilizer solutions to alfalfa and soybeans by following the appropriate mixing procedures and compatibility check. When using tank mix combinations, be sure all components are compatible.

Make compatibility checks of this product and tank mix combinations which include this product for each batch of fluid fertilizer because of the variability of these fertilizers.

Compatibility Check:

1. Pre-mix 2.0 teaspoonfuls of this product with 8.0 teaspoonfuls of water (1:4 ratio) in a quart jar by adding the water first and followed with this product. Mix thoroughly. If second herbicide is to be used, double the amount of water (1:8 ratio) and add the second herbicide after mixing this product first.
2. Then pour 1.0 pint of fluid fertilizer into the quart jar and shake well.
3. Allow to stand for 5 minutes.

ONLY USE THIS COMPATIBILITY CHECK WHEN MIXING WITH FLUID FERTILIZERS.

Interpretation of Results: If the solution in the jar appears to be uniform without signs of agglomeration, or without separation of an oily film on top of the fertilizer, the mixture may be used. If not, repeat the compatibility check using twice the amount of water or add a compatibility agent to the water. If separation occurs, but the mixture can be resuspended by shaking, then application is possible with good agitation in the spray tank.

Tank Mixing Guidelines:

1. Add the required amount of water and compatibility agent (if required) to the tank. Start agitation system while adding this product and follow by adding the fluid fertilizer and agitate.
2. If a second herbicide is to be used, follow as above in 1, but use twice the amount of water. Start agitation and add this product and follow by adding the second herbicide, and then continue filling the tank with fluid fertilizer.
3. Maintain continuous agitation to assure uniform spray mixture until the tank is emptied.

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 for use and precautionary statements on each product in the tank mixture.

Commercial Impregnation and Application of AVALAIRE METRIBUZIN 4 F on Dry Bulk Fertilizer

Dry bulk fertilizer may be impregnated or coated with this product for application to established alfalfa and to soybeans. All instructions, cautions, and special precautions and restrictions on this label must be followed along with state regulations relating to dry bulk fertilizer blending, impregnating and labeling.

Impregnation: To impregnate, use a system consisting of a belt, conveyor, or closed drum which is used for dry bulk fertilizer blending. Any commonly used fertilizer can be impregnated with this product except ammonium nitrate, or fertilizer containing ammonium nitrate, potassium nitrate, or sodium nitrate. Do not use on powder limestone.

Apply using a minimum of 200 lbs. dry bulk fertilizer per acre and up to a maximum of 450 lbs. per acre. To impregnate or coat dry bulk fertilizer, mix this product with sufficient water to form a sprayable slurry. The delivery nozzles must be directed to deliver a fine spray toward the fertilizer for thorough coverage while avoiding spray contact with mixing equipment. Uniform impregnation of this product to dry bulk fertilizer will vary and if the absorptivity is not adequate, an absorbent powder may be added to produce a dry, free-flowing mixture. Micro-Cel® is the recommended absorbent powder. When another herbicide is used with this product, mix and impregnate immediately.

Apply immediately after impregnation unless experience has shown that impregnated fertilizer can be stored without becoming lumpy and difficult to spread.

Rates: Select the specified rate of **AVALAIRE METRIBUZIN 4 F** per acre from the appropriate section of this label and refer to the formula below to determine the amount of **AVALAIRE METRIBUZIN 4 F** which is to be impregnated on a ton of dry bulk fertilizer based on the amount of fertilizer which will be distributed on one acre.

$$\frac{\text{Pt AVALAIRE METRIBUZIN 4 F}}{\text{Acre}} \times \frac{2000 \text{ lbs Fertilizer}}{\text{Acre}} = \frac{\text{Pt AVALAIRE METRIBUZIN 4 F}}{\text{Ton of Fertilizer}}$$

Application: Uniform application is essential for satisfactory weed control. Accurate calibration of fertilizer application equipment is essential for uniform distribution to the soil surface. The recommended method of application is to apply ½ the specified rate and over 50% or to double apply by splitting the middles to obtain the best distribution pattern.

If fertilizer materials are excessively dusty, use diesel oil or other suitable additive to reduce dust prior to impregnation as dusty fertilizer will result in poor distribution during application. Crop injury and/or poor weed control may occur where the impregnated fertilizer is not uniformly applied.

Incorporation and Combination Uses: When this product is to be used in combination with another herbicide, follow directions on this label for combinations, rates, crops, incorporation, and special precautions and use restrictions.

ALFALFA AND SAINFOIN

AVALAIRE METRIBUZIN 4 F herbicide may be used for use in alfalfa and sainfoin in the following areas:

1. 1. Alfalfa, and sainfoin (Including mixed stands with grasses) (all areas except California).
2. 2. Alfalfa and sainfoin (Including mixed stands with grasses) (California only).
3. 3. Alfalfa - Tank Mix Combination with Paraquat (Colorado, Idaho, Montana, Nevada, Oregon, Utah, Washington, Wyoming, and the following California counties: Del Norte, Lassen, Modoc, Nevada, Plumas, Shasta, Sierra, and Siskiyou).
4. 4. Alfalfa - Post Dormant Application of this product Impregnated on Dry Fertilizer Only (Connecticut, Illinois, Indiana, Iowa, Kansas, Kentucky, Michigan, Minnesota, Nebraska, New Mexico, New York, Ohio, Oklahoma, Pennsylvania, South Dakota, Tennessee, Texas and Wisconsin).

AVALAIRE METRIBUZIN 4 F may be used for use in aerial or ground spray equipment as a broadcast surface application to established crops of alfalfa and sainfoin for the control of certain grass and broadleaf weeds.

Application: Refer to Product Information in the front of this label for detailed information on the application of **AVALAIRE METRIBUZIN 4 F**. For information on applying **AVALAIRE METRIBUZIN 4 F** in fluid or on dry fertilizer refer to the Application of **AVALAIRE METRIBUZIN 4 F** In Fluid Fertilizers or Commercial Impregnation and Application of **AVALAIRE METRIBUZIN 4 F** On Dry Bulk Fertilizer under the Product Information section of this label.

Use Restrictions:

- Use **AVALAIRE METRIBUZIN 4 F** only on established alfalfa and sainfoin.
- Do not apply **AVALAIRE METRIBUZIN 4 F** after growth begins in the spring or before growth ceases in the fall, except as specified on this label.
- Grazing and Pre-harvest Interval (PHI): Do not graze or harvest within 28 days after application.

Use Precautions:

- For best weed control, apply **AVALAIRE METRIBUZIN 4 F** when weeds are less than 2 inches tall or before weed foliage is 2 inches in diameter.

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- Reduced weed control may occur when extended dry conditions follow application of **AVALAIRE METRIBUZIN 4 F**.

- Crop injury may occur when:

1. Crop is under stress conditions such as diseases, insect infestations, poorly drained soils, drought or winter injury at time of application;
2. Crop is treated within 12 months after seeding;
3. There is excessive irrigation or rainfall immediately after application. Do not apply more than 1/2 inch of water in the first irrigation after **AVALAIRE METRIBUZIN 4 F** is applied.

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ALFALFA and SAINFOIN
(All Areas Except California)
BROADCAST APPLICATION INSTRUCTIONS
BROADCAST APPLICATION INSTRUCTIONS

| CROP | AVALAIRE METRIBUZIN 4 F PT/ACRE |
|---|---------------------------------|
| Alfalfa and Sainfoin (Except California) | 1/2 to 2 |
| Select the proper dosage according to weeds known to be and present in field to be treated. On loamy sand soils in Oregon and Washington, do not apply more than 1 pt of AVALAIRE METRIBUZIN 4 F per acre. | |

FOR USE ON MIXED STANDS OF ALFALFA AND GRASSES:

Rates of 1 to 1-1/2 pts of **AVALAIRE METRIBUZIN 4 F** per acre will provide partial reduction of forage grass stands. These rates may be used to reduce forage grass stands to prevent crowding out of alfalfa. Higher rates will severely reduce forage grass stands. **AVALAIRE METRIBUZIN 4 F** should not be used on sand soils. In areas, west of the Rocky Mountains, avoid using **AVALAIRE METRIBUZIN 4 F** on soils with calcareous surface area, high levels of lime or sodium, or a pH greater than 8.2.

ALFALFA and SAINFOIN
Weeds Controlled (Except California)

| 1/2 to 3/4 Pt AVALAIRE METRIBUZIN 4 F/Acre | |
|---|--|
| Chickweed, common (<i>Stellaria media</i>) | |
| 3/4 to 1 Pt AVALAIRE METRIBUZIN 4 F/Acre | |
| Cheat (<i>Bromus secalinus</i>) | Pennycress (<i>Thlaspi arvense</i>) |
| Deadnettle, Purple (<i>Lamium purpureum</i>) | Rescuegrass (<i>Bromus catharticus</i>) |
| Downy brome (<i>Bromus tectorum</i>) | Shepherdspurse (<i>Capsella bursa pastoris</i>) |
| Japanese brome (<i>Bromus japonicus</i>) | |
| 1 to 2 Pts AVALAIRE METRIBUZIN 4 F/ Acre | |
| Broadleaves | Grasses |
| Broadleaves | Grasses |
| Fleabane, Rough (<i>Erigeron strigosus</i>) | Foxtail, Green (<i>Setaria viridis</i>) |
| Flixweed | Little Barley |

| | |
|---|---|
| <i>(Descurainia sophia)</i> Henbit <i>(Lamium amplexicaule)</i> Kochia <i>(Kochia scoparia)</i> Lamb's quarters, common <i>(Chenopodium album)</i> Marestail (Horseweed) <i>(Hippuris vulgaris)</i> Meadow Salsify <i>(Tragopogon pratensis)</i> Mustard, Blue <i>(Chorispora tenella)</i> Mustard, Jim Hill (tumble) <i>(Sisymbrium altissimum)</i> Mustard, Tansy <i>(Descurainia pinnata)</i> Pepperweed <i>(Lepidium virginicum)</i> Pigweed, Redroot <i>(Amaranthus retroflexus)</i> Prickly Lettuce <i>(Lactuca serriola)</i> White Cockle <i>(Melandrium album)</i> Wild Buckwheat <i>(Polygonum convolvulus)</i> Yellow Rocket <i>(Barbarea vulgaris)</i> | <i>(Hordeum pusillum)</i> Smooth Brome <i>(Bromus inermis)</i> Wild Oats <i>(Avena fatua)</i> |
|---|---|

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ALFALFA and SAINFOIN
Weeds Controlled (Except California)
2 Pts AVALAIRE METRIBUZIN 4 F/Acre

| Broadleaves | Grasses |
|---|---|
| Chickweed, Mouseear <i>(Cerastium vulgatum)</i> Dandelion <i>(Taraxacum officinale)</i> Ragweed, common <i>(Ambrosia artemisiifolia)</i> | Barnyardgrass <i>(Echinochloa crus-galli)</i> Bluegrass <i>(Poa annua)</i> Foxtail Barley <i>(Hordeum jubatum)</i> |

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Weeds Partially Controlled: At the rate of 2 pts/acre **AVALAIRE METRIBUZIN 4 F** may be used to reduce the competition from curly dock (*Rumex crispus*). At 1 to 2 pts/acre, **AVALAIRE METRIBUZIN 4 F** may be used to reduce the competition of German Moss or knawel (*Scleanthus annus*).

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ALFALFA AND SAINFOIN (California Only)
(Including Mixed Stands with Grasses)

AVALAIRE METRIBUZIN 4 F may be used in aerial or ground spray equipment as a broadcast surface application to dormant established crops of alfalfa and sainfoin.

Application: **AVALAIRE METRIBUZIN 4 F** may be used in aerial or ground spray equipment as a broadcast surface application to dormant established crops of alfalfa and sainfoin for control of certain grass and broadleaf weeds. Do not apply **AVALAIRE METRIBUZIN 4 F** after growth begins in the spring or before

growth ceases in the fall. Do not apply to either alfalfa or sainfoin during the first growing season after seeding.

For information on applying **AVALAIRE METRIBUZIN 4 F** in fluid fertilizer solutions to alfalfa, refer to the appropriate section of this label.

For information on commercial impregnation and application of **AVALAIRE METRIBUZIN 4 F** on dry bulk fertilizer, refer to the appropriate section of this label.

| Weeds Controlled | |
|--|--|
| 3/4 to 1 Pt AVALAIRE METRIBUZIN 4 F/Acre | |
| Cheatgrass (downy brome) (<i>Bromus secalinus</i>) | |
| 1 to 2 Pts AVALAIRE METRIBUZIN 4 F/Acre | |
| Broadleaves | Grasses |
| Chickweed, common (<i>Stellaria media</i>) Flixweed (<i>Descurainia Sophia</i>) Henbit (<i>Lamium amplexicaule</i>) Kochia (<i>Kochia scoparia</i>) Meadow Salsify (<i>Tragopogon pratensis</i>) Mustard, Blue (<i>Chlorispora tenella</i>) Mustard, Tansy (<i>Descurainia pinnata</i>) Pepperwood, Virginia (<i>Lepidium virginicum</i>) Shepherdspurse (<i>Capsella bursa-pastoris</i>) White Cockle (<i>Melandrium album</i>) Wild Buckwheat (<i>Polygonum convolvulus</i>) Yellow Rocket (<i>Barbarea vulgaris</i>) | Smooth Brome (<i>Stellaria media</i>) Wild Oats (<i>Avena fatua</i>) |
| 2 Pts AVALAIRE METRIBUZIN 4 F/Acre | |
| Broadleaves | Grasses |
| Dandelion (<i>Taraxacum officinale</i>) | Barnyard (<i>Echinochloa crus-galli</i>) Bluegrass (<i>Poa annua</i>) Foxtail Barley (<i>Hordeum jubatum</i>) |

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| BROADCAST APPLICATIONS INSTRUCTIONS | |
|--|---------------------------------|
| CROP | AVALAIRE METRIBUZIN 4 F Pt/Acre |
| Alfalfa and Sainfoin (California Only) | 3/4 to 2 |

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Select the proper dosage according to weeds known to be present in the field to be treated. Apply specified dosage in 20 to 40 gallons of water per acre with ground spray equipment or 3 to 10 gallons of water per acre with aerial spray equipment fitted with nozzles suitable for broadcast applications of herbicides. Treat only dormant established crops of alfalfa and sainfoin. Injury may occur to alfalfa if **AVALAIRE METRIBUZIN 4 F** is applied earlier than 1.2 months after seeding.

Use Restrictions:

- Do not apply after Spring growth begins or before growth ceases in the Fall.
- Grazing and Pre-harvest Interval (PHI): Do not graze or harvest within 28 days after application.

At the 2 pts/acre rate, **AVALAIRE METRIBUZIN 4 F** may be used for suppression of curly dock.

For use on mixed stands of alfalfa and grasses: Rates of 1 to 1-1/2 pts of **AVALAIRE METRIBUZIN 4 F** per acre will provide partial reduction of forage grass stands. These rates may be used to reduce forage grass stands to prevent crowding out of alfalfa. Higher rates will severely reduce forage grass stands. Do not apply with aerial spray equipment when wind speed is greater than 10 mph. Do not apply when weather conditions favor spray drift and/or when sensitive cool season crops, such as cole crops, onions, peas, or strawberries, are present in adjacent fields. Applications should not be made when weather conditions favor spray drift, especially in areas where wheat is growing on coarse textured soils in adjacent fields, or injury may occur.

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ALFALFA

AVALAIRE METRIBUZIN 4 F Plus Paraquat Tank Mix Applications

Colorado, Idaho, Montana, Nevada, Oregon, Utah, Washington, Wyoming and the following California counties: Del Norte, Lassen, Modoc, Nevada, Plumas, Shasta, Sierra, and Siskiyou.

Application: **AVALAIRE METRIBUZIN 4 F** plus paraquat herbicide tank mix application may be used, during the dormant season, in aerial or ground spray equipment as a broadcast surface application to established alfalfa for the control of certain grass and broadleaf weeds.

Use Restrictions:

- Do not apply **AVALAIRE METRIBUZIN 4 F**/paraquat tank mix to growth that is more than 2 inches tall.
- Apply once per season.
- Do not apply following cuttings during growing season.

Use a minimum of 10 gallons of water per acre with aerial spray equipment and a minimum of 20 gallons of water per acre with ground spray equipment. Add a non-ionic spreader at label rates to the spray solution.

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

Weeds Controlled: **AVALAIRE METRIBUZIN 4 F** plus paraquat tank mix application will control established weeds. Paraquat controls weeds by contact activity. Refer to paraquat label for specific use rates.

| | |
|-------------------------|---|
| | 1/2 to 3/4 Pt of AVALAIRE METRIBUZIN 4 F/Acre |
| <u>Common Chickweed</u> | |
| | 3/4 to 1-1/2 Pts of AVALAIRE METRIBUZIN 4 F/Acre |

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|--|------------------------|
| <u>Bluegrass</u> | <u>Henbit</u> |
| <u>Cheat</u> | <u>Japanese brome</u> |
| <u>Downy brome</u> | <u>Rescuegrass</u> |
| <u>Field pennycress</u> | <u>Shepherdspurse</u> |
| Use AVALAIRE METRIBUZIN 4 F at 1 to 1-1/2 Pt/Acre for Control of the following weeds: , | |
| <u>Blue mustard</u> | <u>Prickly lettuce</u> |
| <u>Common lambsquarters</u> | <u>Redroot pigweed</u> |
| <u>Flixweed</u> | <u>Rough fleabane</u> |
| <u>Green foxtail</u> | <u>Ryegrass</u> |
| <u>Groundsel</u> | <u>Smooth brome</u> |
| <u>Jim Hill mustard</u> | <u>Sow thistle</u> |
| <u>Kochia</u> | <u>Tansy mustard</u> |
| <u>Little barley</u> | <u>White cockle</u> |
| <u>Marestail (Horseweed)</u> | <u>Wild oats</u> |
| <u>Meadow salsify</u> | <u>Wild buckwheat</u> |
| <u>Pepperweed</u> | <u>Yellow rocket</u> |

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1/2 to 3/4 Pt of AVALAIRE METRIBUZIN 4 F/Acre

Common Chickweed

3/4 to 1-1/2 Pt of AVALAIRE METRIBUZIN 4 F/Acre

Bluegrass _____ Field pennycress _____ Rescuegrass
Cheat _____ Henbit _____ Shepherdspurse
Downy-brome _____ Japanese-brome

Use AVALAIRE METRIBUZIN 4 F at 1 to 1-1/2 Pt/Acre for Control of the following weeds:

Blue mustard _____ Marestail (Horseweed) _____ Sow thistle
Common lambquarters _____ Meadow salsify _____ Tansy mustard
Flixweed _____ Pepperweed _____ White cockle _____
Green foxtail _____ Prickly lettuce _____ Wild-oats
Groundsel _____ Redroot pigweed _____ Wild-buckwheat
Jim Hill mustard _____ Rough fleabane _____ Yellow-rocket
Kochia _____ Ryegrass _____
Little barley _____ Smooth-brome

| APPLICATION INSTRUCTIONS | |
|--|---|
| DOSAGE/ACRE | |
| AVALAIRE METRIBUZIN 4 F 1/2 TO 1-1/2 Plus paraquat (refer to label for use rates) | Apply specified dosage of AVALAIRE METRIBUZIN 4 F and paraquat in at least 20 gallons of water per acre with aerial equipment or at least 20 gallons of water per acre with ground equipment. Do not apply this tank mix to alfalfa growth if more than 2 inches tall. For best weed control, apply when broadleaf weeds and grasses are 1-6 inches tall and are actively growing. Care should be taken to avoid overlaps. Do not apply more than 1 pt of AVALAIRE METRIBUZIN 4 F per acre on loamy sand soils. Reduced weed control may occur when extended dry conditions follow application of AVALAIRE METRIBUZIN 4 F . Crop injury may occur if alfalfa is under stress conditions such as diseases, insect infestations, drought or winter injury or if AVALAIRE METRIBUZIN 4 F is applied to alfalfa earlier than 12 months after seeding. |

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For Use On Mixed Stands Of Alfalfa And Grasses: Rates of 1 to 1 - 1/2 pt of **AVALAIRE METRIBUZIN 4 F** per acre will provide partial reduction of forage grass stands. These rates may be used to reduce forage grass stands to prevent crowding out of alfalfa.

Use Restrictions:

- Grazing and Pre-harvest Interval (PHI): Do not graze or harvest within 42 days after application.
- Do not apply when weather conditions favor spray drift.
- Do not make aerial applications when wind speed is greater than 10 mph.
- Do not use on sand soil.

In areas west of the Rockies, avoid the use of **AVALAIRE METRIBUZIN 4 F** on soils with calcareous surface, soils with high levels of lime or sodium, and with a pH greater than 8.2.

Refer to the paraquat label for additional directions, weed species controlled and precautions.

Post Dormant Application of this Product Impregnated on Dry Fertilizer Only

AVALAIRE METRIBUZIN 4 F may be applied after dormancy has broken, but prior to three inches of new alfalfa shoot growth, only when impregnated on dry fertilizer in Connecticut, Illinois, Indiana, Iowa, Kansas, Kentucky, Michigan, Minnesota, Nebraska, New Mexico, New York, Ohio, Oklahoma, Pennsylvania, South Dakota, Tennessee, Texas and Wisconsin.

Apply at rates of 1-1/2 to 2 pts per acre as directed on this label for application during dormancy. Apply only when alfalfa foliage is dry or crop injury may occur. When using this application method, do not harvest or graze treated alfalfa for 60 days after application.

ASPARAGUS

(Established)

AVALAIRE METRIBUZIN 4 F may be used in ground spray equipment or sprinkler irrigation (center pivot, lateral move, or solid set) systems as a single preemergence broadcast application or as a split application consisting of a preemergence broadcast application followed by a post harvest broadcast application.

Refer to the **Product Information** section of this label for directions.

Weeds Controlled: **AVALAIRE METRIBUZIN 4 F**, applied to established asparagus according to directions, will effectively control:

| BROADLEAVES | |
|---|---|
| Chickweed, Common (<i>Stellaria media</i>) | Ragweed, Common (<i>Ambrosia artemisiifolia</i>) |
| Jimsonweed (<i>Datura stramonium</i>) | Smartweed, Pennsylvania (<i>Polygonum pensylvanicum</i>) |
| Lambsquarter (<i>Chenopodium album</i>) | Sorrel, red (<i>Rumex acetosella</i>) |
| Pigweed, Redroot (<i>Amaranthus retroflexus</i>) | Velvetleaf (<i>Abutilon theophrasti</i>) |
| GRASSES | |
| Crabgrass (<i>Digitaria spp.</i>) | Sandbur, Field (<i>Cenchrus pauciflorus</i>) |
| Foxtails (<i>Setaria spp.</i>) | |

Broadleaves

Chickweed, Common Ragweed, Common
(*Stellaria media*) (*Ambrosia artemisiifolia*)

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Jimsonweed _____ Smartweed, Pennsylvania
 (*Datura stramonium*) _____ (*Polygonum pensylvanicum*)
 Lambsquarters _____ Sorrel, Red
 (*Chenopodium album*) _____ (*Rumex acetosella*)
 Pigweed, Redroot _____ Velevetleaf
 (*Amaranthus retroflexus*) _____ (*Abutilon theophrasti*)

Grasses
 Crabgrass
 (*Digitaria spp.-*)
 Foxtails
 (*Setaria spp.-*)
 Sandbur, Field
 (*Cenchrus pauciflorus*)

| BROADCAST APPLICATION INSTRUCTIONS | |
|---|--|
| CROP | AVALAIRE METRIBUZIN 4 F PT/ACRE |
| | 2 to 4 |
| Asparagus | 2 to 4 |
| | PREEMERGENCE APPLICATION ONLY Make a single surface application in early Spring before asparagus spears or ferns emerge. If the field is to be disked, apply this product after disking but before the crop emerges. Use the lower rate for control of the broadleaf weeds listed above. Use the higher rate in fields with a history of severe infestations of grasses and for maximum residual control. Do not apply within 14 days of harvest. 1 to 2 preemergence plus 2 to 3 post harvest SPLIT APPLICATION PREEMERGENCE AND POST HARVEST Preemergence Application: Apply before asparagus spears or ferns emerge. If the field is to be disked, apply after disking but prior to crop emergence. Do not apply within 14 days of harvest. Post Harvest Application: Apply after last harvest of the season but prior to emergence. The lower combination rates may be used for control of common ragweed, lambsquarters, redroot pigweed, and red sorrel. Use the higher combination rates for other weeds listed or in fields with severe grass infestations or for maximum post harvest control of emerged weeds. |
| IMPORTANT: The total amount of AVALAIRE METRIBUZIN 4 F applied in one crop season may not exceed 4 pt per acre. | |

Use Restrictions (Asparagus):

- Do not use on newly seeded asparagus nor on young plants during the first growing season after setting crowns.
- Pre-harvest Interval (PHI): Do not apply within 14 days of harvest.
- DO NOT APPLY POST HARVEST APPLICATIONS UNTIL AFTER THE LAST HARVEST OF SPEARS.
- Aerial application is prohibited.**

CARROTS

Use on Carrot: The following directions for use were developed under the direction of IR-4 (government minor crops use program).

Apply **AVALAIRE METRIBUZIN 4 F** herbicide with ground equipment as specified in the table below under **Application Instructions**. For effective control of broadleaf weeds with postemergence applications, apply

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AVALAIRE METRIBUZIN 4 F before weeds are 1 inch in height or diameter. Thorough spray coverage is essential for adequate weed control.

Do not use air blast or other high pressure spray equipment to make postemergence applications of **AVALAIRE METRIBUZIN 4 F**. Refer to the appropriate section of this label for additional information regarding spray equipment, dilution rates, mixing, sprayer cleanup, restrictions, container disposal and cautions.

Refer to *Mixing* under the *Product Information* section on the front of this label. For specific application information see Product Information and Application sections at the front of this label.

Weeds Controlled: AVALAIRE METRIBUZIN 4 F applied to carrots according to directions will effectively control.
~~Weeds Controlled: AVALAIRE METRIBUZIN 4 F applied to carrots according to directions will effectively control.~~

| BROADCAST APPLICATION INSTRUCTIONS | |
|--|--|
| CROP | AVALAIRE METRIBUZIN 4 F PT/ACRE |
| | 1/2 |
| Carrots | Apply specified dosage per acre as a broadcast spray over the tops of carrot plants. Application should be made after carrots have formed 5-6 true leaves but before weeds are 1 inch in height or diameter. If needed, a second application may be made after an interval of at least 3 weeks. Applications may be made up to 60 days of harvest. |
| IMPORTANT: The total amount of AVALAIRE METRIBUZIN 4 F applied in one crop season may not exceed 4 pts per acre. | |

Use Restrictions:

- Do not apply to carrots grown for seed.
- Do not apply within 3 days after periods of cool, wet or cloudy weather or crop injury will occur.
- Do not apply **AVALAIRE METRIBUZIN 4 F** within 3 days of any other chemical unless specified on this label.
- Do not apply on very hot days or excessive crop injury will result.
- Pre-harvest Interval (PHI): Do not apply within 60 days of harvest. Do not apply until carrots have at least 5-6 true leaves. Earlier applications will result in excessive crop damage.

Use Precautions:

- Crop injury or delayed maturity may result from applications of **AVALAIRE METRIBUZIN 4 F** if carrots are growing under stress conditions such as periods of drought or cool, wet and cloudy weather preceding application.
- Following an application of **AVALAIRE METRIBUZIN 4 F**, chlorosis (yellowing) and burning of the least tissue may occur.
- For newly introduced varieties of carrots with unknown tolerance to **AVALAIRE METRIBUZIN 4 F**, treat only a small area to determine if **AVALAIRE METRIBUZIN 4 F** can be used without injury to the crop.

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FIELD CORN

POSTEMERGENCE APPLICATION

AVALAIRE METRIBUZIN 4 F may be used for control of selected broadleaf weeds when applied as a tank mix combination with certain broadleaf herbicides presently registered for postemergence use in field corn. Herbicides which may be tank mixed with **AVALAIRE METRIBUZIN 4 F** include:

| | |
|-------------------|---------------------------------------|
| <u>2,4-D</u> | <u>Dicamba + atrazine</u> |
| <u>Atrazine</u> | <u>Bromoxynil + atrazine (Premix)</u> |
| <u>Dicamba</u> | <u>Clarity</u> |
| <u>Bentazon</u> | <u>Imazethapyr*</u> |
| <u>Bromoxynil</u> | <u>Flumiclorac</u> |

*Use only on Imazethapyr resistant/tolerant corn hybrids (IMI-Corn).

2,4-D- Dicamba + atrazine Flumiclorac*Use only on Imazethapyr resistant/tolerant corn hybrids (IM-Corn).

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Application: **AVALAIRE METRIBUZIN 4 F** may be applied to field corn after crop emergence until just prior to tasseling. Broadcast applications may be made with ground or aerial equipment. For optimum weed control, apply treatments when weeds are small and actively growing, but before reaching the maximum heights listed in the Weeds Controlled table.

POSTEMERGENCE BROADCAST APPLICATION

Ground Application: Adjust nozzle height above crop and weed canopy to ensure uniform spray coverage. Gallonage should be increased with increasing weed size and population density.

For tank mixes of **AVALAIRE METRIBUZIN 4 F** plus atrazine, bentazon, bromoxynil, bromoxynil + atrazine, imazethapyr, flumiclorac, or 2,4-D amine formulations, use flat fan nozzles spaced a maximum of 20 inches apart. Best results are achieved using a minimum spray volume of 10 gallons per acre and spray pressure from 20 to 40 psi.

For **AVALAIRE METRIBUZIN 4 F** tank mixes with dicamba, dicamba + atrazine, or 2,4-D low volatile ester formulations, use drift-reducing nozzles which are specifically designed to produce coarse sprays and reduce the amount of driftable fines. Additional measures which will help avoid potential drift to sensitive crops and plants include using a minimum spray volume of 20 gallons per acre and keeping spray pressures at or below 20 psi unless otherwise specified by the nozzle manufacturer.

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

For further precautions and additional instructions, consult the tank mix partner's label.

Aerial Application: Apply in a minimum spray volume of 3 gallons per acre. For optimum spray coverage and distribution, use a minimum of 5 gallons per acre and a maximum pressure of 40 psi. Use a boom and nozzle configuration which will provide a uniform deposition pattern and coverage with low drift potential. Avoid overlaps to prevent potential crop injury. Do not apply near sensitive crops or sensitive plants growing near the treated area. Do not apply when wind speed is greater than 10 mph or when winds are moving toward sensitive crops or plants. To avoid drift hazards, applicator must follow the most restrictive labeling of the products used in a tank mix. Refer to the appropriate tank mix partner's label for further precautions and instructions.

POST DIRECTED APPLICATION

AVALAIRE METRIBUZIN 4 F in tank mix combinations with dicamba, 2,4-D or bromoxynil may be applied post directed to field corn. Use drop nozzles and appropriate spacing to direct spray below the corn whorl and upper leaves. The top of the target weed canopy must be sufficiently below the whorl and upper leaves

of the crop to permit this application and provide adequate spray coverage. The height differential required between the crop and weed canopy will depend on the specific equipment used. Apply before tassel emergence. For further precautions and additional instructions, refer to the appropriate tank mix partner's label.

ADJUVANTS

The adjuvant types listed below may be utilized with certain **AVALAIRE METRIBUZIN 4 F** tank mix combinations. Consult the tank mix instructions section for the appropriate adjuvant and rate. Use of non-recommended adjuvants or rates may result in severe leaf burn, crop stunting, and/or stand reduction. Use only adjuvants which are exempt from tolerance requirements under 40 CFR 180.1001.

UAN (urea ammonium nitrate) is commonly referred to as 28, 30, or 32% N.

Ammonium sulfate (spray grade) may be used as an alternative to UAN with certain tank mix combinations.

Non-ionic surfactants should contain at least 80% active ingredient.

DO NOT USE crop oil concentrate (COC) or any adjuvant containing vegetable or petroleum oils with any **AVALAIRE METRIBUZIN 4 F** tank mixtures as severe leaf burn, crop stunting, and/or stand reduction may occur.

RAINFASTNESS

AVALAIRE METRIBUZIN 4 F will not reduce rainfastness of the above tank mix partners. Refer to the individual product labels for rainfastness recommendations.

SPRAYER CLEANUP

Refer to each tank mix partner's label and the Sprayer Cleanup section of the **AVALAIRE METRIBUZIN 4 F** label for specific instructions on cleaning spray equipment. Special attention should be given to the required cleanup procedures for 2,4-D, dicamba, and dicamba + atrazine.

Use Restrictions:

- Do not use on corn grown for seed, sweet corn, popcorn, or white corn.
- Do not apply more than 0.25 pounds a.i. metribuzin (8 fl oz. **AVALAIRE METRIBUZIN 4 F**) per acre per use season.
- Do not apply when field corn is under stress (see Stress statement below).
- Do not use aerial applications if sensitive crops or plants are growing in the vicinity of the area to be treated.
- Do not allow spray drift onto sensitive crops or plants.
- Do not use on sand, loamy sand or sandy loam soils that have less than 0.5% organic matter.
- Do not use on sand or loamy sand soils in Washington, Oregon or Idaho or crop injury may occur.
- Observe all precautions and limitations on labeling of all products used in the tank mixtures.

Stress is any condition or combination of conditions which impairs normal crop growth. Weather, disease, insect damage, fertility or other factors may cause stress. Applications made before or after the corn is under stress from these factors or from periods of prolonged cool, wet and cloudy weather or widely fluctuating day and nighttime temperatures, may result in temporary leaf burn, yellowing and/or stunting of

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the crop. Recovery from damage is generally rapid with no lasting effects on new growth. Under extreme stress, stand reductions may occur.

Feeding Restrictions: Field corn treated with **AVALAIRE METRIBUZIN 4 F** may be grazed or harvested for silage or grain 60 days after treatment. Follow the most restrictive preharvest interval on the labels of the products used in the tank mixtures.

TANK MIX COMBINATIONS

The **AVALAIRE METRIBUZIN 4 F** tank mixtures listed below can be utilized for control of certain annual broadleaf weeds.

| AVALAIRE METRIBUZIN 4 F POST DIRECTED INSTRUCTIONS | | |
|--|---|---|
| PRODUCT | RATE | DIRECTIONS AND APPLICATION INSTRUCTIONS* |
| AVALAIRE METRIBUZIN 4 F + 2,4-D amine or 2,4-D LVE | 3 to 4.5 fl oz/A + See reference ¹ or See reference ¹ | For corn greater than 8-inches tall, apply as a directed spray with drop nozzles before tassel emergence. Apply only to varieties known to be tolerant to 2,4-D. DO NOT USE ADJUVANTS. 2,4-D may cause injury to nearby sensitive crops. 2,4-D applications may result in brittle corn stalks, and winds or cultivation may cause stalk breakage. To reduce damage, delay cultivation 8 to 10 days after application. |
| AVALAIRE METRIBUZIN 4 F + dicamba | 3 to 4.5 fl oz/A + See reference ¹ | For corn 8 to 36 inches tall, apply as a directed spray with drop nozzles. Application may be made up to 15 days prior to corn tasseling. If growing conditions are dry and plants are stressed, addition of a non-ionic surfactant (1 qt/100 gal of spray solution) may improve weed control. For corn grown on coarse textured soils, apply dicamba as per specific label rates, regardless of application method. Application may cause injury to nearby sensitive crops or plants. Application may result in temporary leaning of corn plants. Delay cultivation until plants return to normal growth patterns to avoid stalk breakage. |
| AVALAIRE METRIBUZIN 4 F + bromoxynil | 3 to 4.5 fl oz/A + See reference ¹ | Apply as a directed spray with drop nozzles before tassel emergence. DO NOT USE ADJUVANTS. Occasional temporary corn leaf burn may occur and is similar to that observed from liquid fertilizers. Recovery is generally rapid with no lasting effect. To reduce potential for crop damage application should be made to dry corn foliage when weather conditions are not extreme. |

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*Consult the appropriate tank mix partner's label for additional instructions or restrictions. 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 for use and precautionary statements on each product in the tank mixture.

¹Refer to specific 2,4-D, dicamba, or bromoxynil labels for use rates.

| AVALAIRE METRIBUZIN 4 F POSTEMERGENCE BROADCAST INSTRUCTIONS | | |
|--|--|---|
| PRODUCT | RATE | DIRECTIONS AND APPLICATION INSTRUCTIONS* |
| AVALAIRE METRIBUZIN 4 F + 2,4-D Amine or 2,4-D LVE | 3 fl oz/A + See reference ¹ or See reference ¹ | Apply as a broadcast spray during the interval from corn emergence until corn is 8 inches tall. Apply only to varieties known to be tolerant to 2,4-D. DO NOT USE ADJUVANTS. 2,4-D may cause injury to nearby sensitive crops. 2,4-D applications may result in brittle corn stalks, and winds or cultivation may cause stalk breakage. To reduce damage, delay cultivation 8 to 10 days after application. |
| AVALAIRE METRIBUZIN 4 F + atrazine | 3 fl oz/A + See reference ¹ | Apply as a broadcast spray during the interval from corn emergence until corn is 12 inches tall. A non-ionic surfactant (1 qt/100 gal of spray solution) may be added to improve weed control. Atrazine is a restricted use herbicide. Follow all state and federal label instructions and restrictions pertaining to atrazine applications. |
| AVALAIRE METRIBUZIN 4 F + dicamba | 3 fl oz/A + See reference ¹ | Apply as a broadcast spray during the interval from corn emergence through the five leaf stage or when corn is 8 inches tall, whichever occurs first. Consult the dicamba label for use rates and restrictions. If growing conditions are dry and plants are stressed, addition of a non-ionic surfactant (1 pt/100 gal of spray solution) may improve weed control. For corn grown on coarse textured soils, consult the dicamba label for use rates, regardless of application method. Application may cause injury to nearby sensitive crops or plants. Application may result in temporary leaning of corn plants. Delay cultivation until plants return to normal growth patterns to avoid stalk breakage. |
| AVALAIRE METRIBUZIN 4 F + bentazon | 3 fl oz/A + See reference ¹ | Apply as a broadcast spray after corn emergence but before corn exceeds 30 inches in height and the crop canopy closes the row. Adjuvants such as UAN (0.5 to 1 gal/A), ammonium sulfate (17 lbs/100 gal of spray solution), or non-ionic surfactant (1 qt/100 gal of spray solution) may improve weed control. |

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| AVALAIRE METRIBUZIN 4 F + bromoxynil | 2.4 to 3 fl oz/A + See reference ¹ | Apply as a broadcast spray when corn is in the fourth true leaf stage or later but before the crop canopy closes the row. DO NOT USE ADJUVANTS. Occasional temporary corn leaf burn may occur and is similar to that observed from liquid fertilizers. Recovery is generally rapid with no lasting effect. To reduce potential for crop damage, application should be made to dry corn foliage when weather conditions are not extreme. |
| AVALAIRE METRIBUZIN 4 F + bromoxynil + atrazine (Premix) | 2.4 to 3 fl oz/A + See reference ¹ | Apply as a broadcast spray during the interval from corn emergence until corn is 12 inches tall. DO NOT USE ADJUVANTS. Occasional temporary corn leaf burn may occur and is similar to that observed from liquid fertilizers. Recovery is generally rapid with no lasting effect. To reduce potential for crop damage, application should be made to dry corn foliage when weather conditions are not extreme. |
| AVALAIRE METRIBUZIN 4 F + dicamba + atrazine | 3 fl oz/A + See reference ¹ | Apply as a broadcast spray during the interval from corn emergence through five-leaf stage or when corn is 8 inches tall, whichever occurs first. DO NOT USE ADJUVANTS. Application may cause injury to nearby sensitive crops or plants. Application may result in temporary leaning of corn plants. Delay cultivation until plants return to normal growth patterns to avoid stalk breakage. Atrazine is a restricted use product. Follow all state and federal label instructions and restrictions pertaining to atrazine. |
| AVALAIRE METRIBUZIN 4 F + imazethapyr | 3 fl oz/A + See reference ¹ | Use only on designated IMI-Corn hybrids (hybrids which are resistant/tolerant to Imazethapyr. Consult the imazethapyr label for use rates if grasses are present or broadleaf weeds are near the maximum heights shown. Apply in combination with a non-ionic surfactant (1 qt/100 gal of spray solution) and UAN (1 to 2 qt/A). |
| AVALAIRE METRIBUZIN 4 F + flumiclorac | 3 fl oz/A + See reference ¹ | Apply as a broadcast spray to field corn from 2-leaf through 10-leaf (visible leaf collars) stage. Adjuvants such as nonionic surfactant (0.25% v/v), UAN (2% |

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| | | v/v) or ammonium sulfate (2.5 lbs/A) may improve weed control. |
|--|--|---|

*Consult the appropriate tank mix partner's label for additional instructions or restrictions. 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 for use and precautionary statements on each product in the tank mixture.

¹Refer to specific 2,4-D, atrazine, dicamba, bentazon, bromoxynil, bromoxynil + atrazine, dicamba + atrazine, imazethapyr, and flumiclorac labels for use rates.

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WEEDS CONTROLLED-POSTEMERGENCE BROADCAST APPLICATION

These tank mixtures with AVALAIRE METRIBUZIN 4 F will control the following annual weeds up to the maximum weed heights listed:

| COMMON WEED NAME | AVALAIRE METRIBUZIN 4 F + | | | | | | | |
|-----------------------|---|---------|----------------|--------------------------------------|----------------|--------------------------|----------------|----------------|
| | Atrazine | Dicamba | Bentazon | Bromoxynil/ Bromoxynil + atrazine | 2,4-D | Dicamba + atrazine | Imazethapyr | Flumiclorac |
| | MAXIMUM WEED HEIGHT INCHES ^a | | | | | | | |
| Amaranth, Palmer | 4 ^a | 4 | 2 ^a | 4 ^a | 4 | 4 | 8 ^b | 4 |
| Buckwheat, wild | 3 | 3 | 3 | 3 | 2 | 3 | 2 | 4 |
| Buffalobur | 4 | 4 | - | 4 | - | 4 | 1 | - |
| Burcucumber | - | 4 | - | 4 | 2 | 4 | - | - |
| Carpetweed | 2 | 2 | 2 | 2 | 2 | 2 | - | 3 |
| Cocklebur, common | 8 | 8 | 8 | 8 | 8 | 8 | 8 ^b | 3 |
| Eclipta | 3 | 3 | 3 | 3 | 3 | 3 | - | - |
| Henbit | 3 | 3 | 2 | 2 | 2 | 4 | 3 | - |
| Horseweed/marestail | 3 | 4 | 1 | 1 | 3 | 6 | - | - |
| Jimsonweed | 5 | 5 | 6 | 5 | 5 | 5 | 5 | 3 |
| Knotweed | 6 | 6 | 6 | 4 | 2 | 6 | 4 | 6 |
| Kochia | 2 ^a | 2 | 1 ^a | 2 ^a | 2 ^a | 2 | 2 | 2 ^a |
| Ladysthumb | 6 | 6 | 6 | 6 | 4 | 6 | 4 | 4 |
| Lambsquarters, common | 6 ^a | 6 | 1 | 6 | 6 | 6 | 4 | 4 |
| Lettuce, prickly | 4 | 4 | - | 3 | 4 | 5 | - | - |
| Mallow, Venice | 2 | 2 | 2 | 2 | 2 | 2 | 2 | - |

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|---------------------------|----------------|---|----------------|----------------|---|---|----------------|---|
| Morningglory entire leaf | 3 | 3 | 1 | 3 | 3 | 3 | 2 | - |
| Morningglory, ivyleaf | 3 | 3 | 1 | 3 | 3 | 3 | 2 | - |
| Morningglory, pitted | 3 | 3 | 1 | 3 | 3 | 3 | 2 | - |
| Morningglory, tall | 3 | 3 | 1 | 3 | 3 | 3 | 2 | - |
| Mustard, tansy | 4 | 4 | 4 | 4 | 4 | 4 | 4 | - |
| Mustard, wild | 4 | 4 | 4 | 4 | 4 | 4 | 4 | - |
| Nightshade, black | 6 | 6 | - | 6 | 1 | 6 | 3 | - |
| Nightshade, eastern black | 6 | 6 | - | 6 | 1 | 6 | 3 | - |
| Pigweed, redroot | 6 ^a | 6 | 2 ^a | 6 ^a | 6 | 6 | 8 ^b | 4 |
| Pigweed, smooth | 6 ^a | 6 | 2 ^a | 6 ^a | 6 | 6 | 8 ^b | 4 |
| Poorjoe | 3 | 3 | 3 | 3 | 3 | 3 | 3 | - |
| Purslane, common | 1 | 3 | | | | 4 | 1 | - |
| Pusley, Florida | 3 | 3 | 3 | 3 | 3 | 3 | - | 3 |
| Ragweed, common | 5 | 5 | 3 | 5 | 5 | 6 | 3 | 3 |
| Ragweed, giant | 4 | 5 | 2 | 4 | 3 | 6 | 4 | - |
| Sicklepod | 3 | 3 | 3 | 3 | 3 | 3 | 3 | - |
| Sida, prickly | 1 | 1 | 3 | 1 | 1 | 2 | 1 | 2 |
| Smartweed, Pennsylvania | 6 | 6 | 6 | 6 | 4 | 6 | 4 | 4 |
| Sunflower, common | 6 | 6 | 6 | 6 | 6 | 6 | 5 | - |
| Thistle, Russian | 1 | 3 | - | 3 | 1 | 3 | 1 | - |
| Velvetleaf | 6 ^a | 6 | 6 | 6 | 4 | 6 | 5 | 6 |
| Waterhemp, spp. | 5 ^a | 5 | 2 ^a | 5 ^a | 5 | 5 | 4 ^b | 4 |

When weeds are approaching the maximum height listed or found in high densities, use the higher rate of **AVALAIRE METRIBUZIN 4 F** and the selected tank mix partners.

^a These treatments will not control triazine resistant biotypes.

^b These treatments will not control ALS resistant biotypes.

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WEEDS CONTROLLED-POSTEMERGENCE BROADCAST APPLICATION

These tank mixtures with AVALAIRE METRIBUZIN 4 F will control the following annual weeds up to the maximum weed heights listed:

| COMMON WEED NAME | AVALAIRE METRIBUZIN 4 F + | | |
|------------------|---------------------------|---------|------------|
| | 2, 4-D | Dicamba | Bromoxynil |

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| | MAXIMUM WEED HEIGHT INCHES* | | |
|---------------------------|-----------------------------|----|----|
| Amaranth, Palmer | 12 | 12 | 6 |
| Cocklebur, common | 12 | 12 | 12 |
| Jimsonweed | 12 | 10 | 10 |
| Ladysthumb | 6 | 8 | 6 |
| Lambsquarters, common | 12 | 12 | 10 |
| Morningglory entire leaf | 18 | 18 | 6 |
| Morningglory, ivyleaf | 18 | 18 | 6 |
| Morningglory, pitted | 18 | 18 | 6 |
| Morningglory, tall | 18 | 18 | 6 |
| Nightshade, black | 10 | 8 | 8 |
| Nightshade, eastern black | 10 | 8 | 8 |
| Pigweed, redroot | 12 | 12 | 6 |
| Pigweed, smooth | 12 | 12 | 6 |
| Ragweed, common | 8 | 8 | 8 |
| Ragweed, giant | 12 | 12 | 8 |
| Smartweed, Pennsylvania | 6 | 8 | 6 |
| Sunflower, common | 12 | 12 | 12 |
| Velvetleaf | 10 | 8 | 8 |
| Waterhemp, tall | 12 | 12 | 6 |

*When weeds are approaching the maximum height listed or found in high densities, use the higher rate of **AVALAIRE METRIBUZIN 4 F** and the selected tank mix partners.

PERENNIAL WEED SUPPRESSION

The following **AVALAIRE METRIBUZIN 4 F** tank mixtures will provide top growth burndown and in season suppression of the following perennial weeds; however, regrowth may occur. For the best performance on these weeds, use the maximum rates of this product, dicamba, bromoxynil, bromoxynil + atrazine, dicamba + atrazine, 2,4-D LVE or imazethapyr specified for these tank mixtures.

AVALAIRE METRIBUZIN 4 F + dicamba

Bindweed, field; Dandelion, common; Dock, curly; Smartweed, swamp; Thistle, Canada.

AVALAIRE METRIBUZIN 4 F + bromoxynil or bromoxynil + atrazine

Thistle, Canada.

AVALAIRE METRIBUZIN 4 F + 2,4-D LVE

Bindweed, field; Dandelion, common; Dock, curly; Smartweed, swamp; Thistle, Canada.

AVALAIRE METRIBUZIN 4 F + dicamba + atrazine

Bindweed, field; Dandelion, common; Dock, curly; Smartweed, swamp; Thistle, Canada.

AVALAIRE METRIBUZIN 4 F + imazethapyr

Thistle, Canada

PREPLANT AND PREEMERGENCE APPLICATIONS:

(Illinois, Indiana, Iowa, Kansas, Kentucky, Michigan, Minnesota, Missouri, Nebraska, Ohio, South Dakota and Wisconsin) **AVALAIRE METRIBUZIN 4 F** applied as a tank mix combination with both grass and broadleaf herbicides registered for use in field corn. **AVALAIRE METRIBUZIN 4 F** can be tank mixed with specified rates of the following herbicides:

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| <u>Acetochlor</u> <u>Acetochlor</u> <u>Dimethenamid</u> <u>Acetochlor + atrazine</u> <u>Acetochlor</u> <u>Atrazine</u> <u>Atrazine + S-metolachlor</u> <u>Dicamba</u> <u>Dicamba + atrazine</u> <u>Dimethenamid</u> <u>Dimethenamid + atrazine</u> <u>Acetochlor + atrazine</u> <u>Flumetsulam + clopyralid</u> <u>Atrazine</u> <u>Flumetsulam + metolachlor</u> <u>Atrazine + S-metolachlor</u> <u>Hydrogen peroxide + ethaneperoxoic acid</u> <u>Dicamba</u> <u>Imazethapyr*</u> <u>*Use only on Imazethapyr resistant/tolerant corn hybrids (IMI corn).</u> <u>Dicamba + atrazine</u> | <u>Flumetsulam + metolachlor</u> <u>Hydrogen peroxide + ethaneperoxoic acid</u> <u>Imazethapyr*</u> <u>Imazethapyr* + pendimethalin</u> <u>Linuron</u> <u>Metolachlor</u> <u>Pendimethalin</u> <u>Simazine</u> <u>S-metolachlor</u> |
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*Use only on Imazethapyr resistant/tolerant corn hybrids (IMI corn).

Application: AVALAIRE METRIBUZIN 4 F may be applied to field corn preplant without incorporation up to 30 days prior to planting or preemergence. Applications may be made by either ground or aerial equipment. For tank mixes, follow the most restrictive application methods of all products used.

Use Restrictions:

- Do not apply more than 8 fluid ounces of this product (0.25 pound active ingredient) per acre per growing season.
- Do not apply on soils having pH 7.0 or greater.
- Plant corn seed a minimum of 1-1/2 inches deep.
- AVALAIRE METRIBUZIN 4 F** may only be used in hybrid seed corn production fields if both inbred parents are known to be tolerant to **AVALAIRE METRIBUZIN 4 F**.
- Do not use on muck soils as reduced weed control may result.
- Observe all precautions and limitations on labeling of all products used in tank mixes.

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Feeding Restrictions: Corn treated with **AVALAIRE METRIBUZIN 4 F** may be harvested for silage or grain 60 days after treatment. For tank mixes, follow the most restrictive preharvest interval of all products used.

Weeds Controlled*: **AVALAIRE METRIBUZIN 4 F** will aid in the residual preemergence control of the following weed species when tank mixed with other registered grass and/or broadleaf corn herbicides:

| | |
|--|---|
| <u>Horseweed/marestail</u> <u>Ladysthumb</u> <u>Lambsquarters, common</u> <u>Pigweed spp.</u> <u>Ragweed, common</u> | <u>Smartweed, Pennsylvania</u> <u>Sunflower</u> <u>Velvetleaf</u> <u>Waterhemp, Tall</u> |
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*For control of emerged weeds refer to the "Burndown Weed Control" section of this product label.

Horseweed/marestail — Ragweed, common
Ladysthumb — Smartweed, Pennsylvania
Lambsquarters, common — Sunflower — Velvetleaf/Velvetleaf
Pigweed spp. — Waterhemp, Tall

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~~* For control of emerged weeds refer to the "Burndown Weed Control" section of this product label.~~

| AVALAIRE METRIBUZIN 4 F FIELD CORN RATE INSTRUCTIONS | | |
|--|--------------------|----------------------------------|
| STATES | APPLICATION TIMING | AVALAIRE METRIBUZIN 4 F fl ozs/A |
| Iowa | Preplant | 3 to 8 |
| Kansas | (0 to 30 days) | |
| Missouri | Preemergence | |
| Nebraska | | |
| South Dakota | | |
| Illinois | Preplant | 3 to 8 |
| Indiana | (10 to 30 days) | |
| Kentucky | Preplant | 3 to 6 |
| Michigan | (0 to 9 days) | |
| Minnesota | Preemergence | |
| Ohio | | |
| Wisconsin | | |

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Remarks: Apply as a broadcast spray prior to corn emergence from the soil. Do not apply **AVALAIRE METRIBUZIN 4 F** on coarse textured soils with less than 1.5% organic matter.

Do not apply more than 6 fl. oz. **AVALAIRE METRIBUZIN 4 F** per acre on soils with less than 2.0% organic matter.

For heavy weed infestations and/or early preplant applications, use the higher rates of **AVALAIRE METRIBUZIN 4 F**.

Consult the label of herbicide tank mix partners to determine proper use rates for the other product(s).

BURNDOWN WEED CONTROL – FIELD CORN See **BURNDOWN WEED CONTROL - FIELD CORN AND SOYBEANS** section below.

GARBANZO BEANS (Chickpeas)

(California, Idaho, and Washington)

Use on Garbanzo Beans (Chickpeas): The following directions for use were developed under the direction of IR-4 (government minor crops use program).

AVALAIRE METRIBUZIN 4 F herbicide may be used as a preemergence application for the suppression of certain broadleaf weeds in garbanzo beans.

Weeds Suppressed*:

| | |
|----------------------|----------------------|
| Common Chickweed | Common Lambsquarters |
| Dog Fennel (Mayweed) | Shepherdspurse |
| Field Pennycress | Wild Mustard |
| Henbit | Pigweed |

*Suppression is a reduction in weed size and growth compared to a non-treated area in the same field.

AVALAIRE METRIBUZIN 4 F used alone will not control triazine-resistant weed species.

Common Chickweed — Henbit — Wild Mustard
Dog Fennel (Mayweed) — Common Lambsquarters — Pigweed
Field Pennycress — Shepherdspurse

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* Suppression is a reduction in weed size and growth compared to a non-treated area in the same field.
AVALAIRE METRIBUZIN 4 F used alone will not control triazine-resistant weed species.

| APPLICATION INSTRUCTIONS | |
|--------------------------|--|
| CROP | AVALAIRE METRIBUZIN 4 F |
| Garbanzo beans | <p><u>1/2 to 3/4</u> <u>1/2 to 3/4</u></p> <p>Apply specified dosage in a single preemergence application using 10 to 40 gallons of water per acre with ground spray equipment. Apply before or after planting but before crop emergence. Thorough incorporation, either by rainfall or by mechanical means, is essential for weed suppression. Under dry conditions, incorporate AVALAIRE METRIBUZIN 4 F into the top 1 to 2 inches of soil with spike harrows, or similar shallow incorporation equipment, then cross harrow to insure uniform soil incorporation. Where soil surface is moist at the time of application and rain follows before weed emergence, a broadcast application should provide adequate weed suppression. Use on coarse-textured soils, sandy soils or any soil with less than 1.5% organic matter will likely cause crop injury. Use the higher rate on fine textured soils (high in clay or organic matter) and in fields with a history of high weed populations.</p> |

Use Restrictions:

- Do not use on clay knobs or poorly covered subsoils.
- Do not apply preemergence on shallow seedlings less than 2 inches deep.
- Do not graze or feed treated vines to livestock within 40 days after application.

Use Precautions:

- Crop injury may result if crop is under stress conditions caused by cold weather, poor soil fertility, disease or insect damage.
- Crop injury may result if application is followed by heavy rain. Avoid application of more than 1/2 inch of irrigation within one month after application of **AVALAIRE METRIBUZIN 4 F**, or crop injury may occur.
- Maintain continuous spray tank agitation to keep material in suspension. Avoid overlapping of spray swaths and shut off spray booms while turning, slowing or stopping, or crop injury will occur.

NOTE: This treatment may cause some chlorosis or minor necrosis. Because garbanzo bean varieties may vary in their susceptibility to **AVALAIRE METRIBUZIN 4 F**, determine crop tolerance prior to adoption as a field scale practice to prevent possible injury.

LENTILS AND PEAS

(Idaho, Oregon, and Washington)

This product herbicide may be used as a preemergence and postemergence application for the suppression of certain broadleaf weeds in lentils and peas.

Weeds Suppressed*

| | |
|--|--|
| <u>Common Chickweed**</u> <u>Corn Spurry</u> <u>Dog Fennel</u> <u>Field Pennycress</u> <u>Henbit**</u> <u>Lambsquarters</u> | <u>Pineapple Weed</u> <u>Prostrate Knotweed</u> <u>Redroot Pigweed</u> <u>Shepherdspurse**</u> <u>Smartweed, Pennsylvania</u> <u>Wild Mustard</u> |
|--|--|

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*Suppression is a reduction in weed size and growth compared to a non-treated area in the same field.

**Preemergence application only.

| | | |
|--------------------|--------------------|------------------|
| Common Chickweed** | Lambsquarters | Redroot Pigweed |
| Corn Spurry | Pennsylvania | Shepherdspurse** |
| Dog Fennel | Smartweed | Wild Mustard |
| Field Pennycress | Pineapple Weed | |
| Henbit** | Prostrate Knotweed | |

*Suppression is a reduction in weed size and growth compared to a non-treated area in the same field.

**Preemergence application only.

Preemergence Application: Make a single preemergence application of **AVALAIRE METRIBUZIN 4 F** at 3/8 to 3/4 pint per acre per crop year. Apply in 10 or more gallons of water per acre with ground spray equipment or 5 or more gallons of water per acre with aerial spray equipment. Apply **AVALAIRE METRIBUZIN 4 F** before or after planting. Thorough incorporation, either by rainfall or by mechanical means, is essential for weed suppression. Under dry conditions, incorporate **AVALAIRE METRIBUZIN 4 F** into the top 1 to 2 inches of soil with spike harrows, or similar shallow incorporation equipment, then cross harrow to ensure uniform soil incorporation. Where soil surface is moist at the time of application and rain follows before weed emergence, a broadcast application should provide adequate weed suppression. Use the higher rate on fine-textured soils (high in clay or organic matter) and in fields with a history of high weed populations. **AVALAIRE METRIBUZIN 4 F** may be applied pre- or post plant incorporated as a tank mix combination with triallate. Follow the Directions for Use statements on both product labels.

Postemergence Application: One postemergence application may be made per season. Use 1/4 to 1/2 pint of **AVALAIRE METRIBUZIN 4 F** per acre on lentils and spring peas. On winter peas, use 3/8 to 1/2 pint of **AVALAIRE METRIBUZIN 4 F** per acre. For suppression of dog fennel, use 1/2 pint **AVALAIRE METRIBUZIN 4 F** per acre. Apply specified dosage in 20 or more gallons of water per acre with ground spray equipment or 5 or more gallons of water per acre with aerial spray equipment. Do not exceed 40 psi with ground spray equipment. Apply as a broadcast spray when weeds are small (less than 2 inches in height or diameter) and before crop is 6 inches tall.

Temporary chlorosis of the crop may occur. There is an added risk of crop injury if a postemergence application is made following a previous preemergence or post plant incorporated **AVALAIRE METRIBUZIN 4 F** application.

Do not apply over very moist soils or wet crop foliage. Do not apply postemergence within 3 days after periods of cool, wet, or cloudy weather or crop injury may occur. Do not apply within 24 hours of treatment with other pesticides.

Use Restrictions (all applications):

- Do not apply more than 1 pint of **AVALAIRE METRIBUZIN 4 F** per acre per year.
- Do not use on coarse-textured soils, sandy soils or soils with less than 1.5% organic matter.
- Do not apply to "Estin" lentils.
- Do not use on clay knobs or poorly covered subsoils.
- Do not apply on shallow seedlings less than 2 inches deep (preemergence only).

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- Pre-harvest Interval (PHI): Do not apply within 50 days of harvest of peas, or within 75 days of harvest of lentils.
- Do not graze or feed treated vines to livestock within 40 days after application.

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Use Precautions:

- Crop injury may result if crop is under stress conditions caused by cold weather, low fertility, disease or insect damage.
- Crop injury may also result if application is followed by heavy rain. Maintain continuous spray tank agitation to keep material in suspension. Avoid overlapping and shut off spray booms while turning, slowing or stopping, or crop injury will occur.

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NOTE: This treatment may cause some chlorosis or minor necrosis. Because lentil and pea varieties may vary in their susceptibility to **AVALAIRE METRIBUZIN 4 F**, determining crop tolerance prior to adoption as a field scale practice is suggested to prevent possible injury.

For additional precautions, restrictions, limitations, and sprayer clean-up information refer to the appropriate sections of this label.

POTATOES

AVALAIRE METRIBUZIN 4 F herbicide may be used for use in ground, aircraft or specified chemigation equipment as a preemergence and/or postemergence application to potatoes. Early maturing smooth skinned white and all red skinned varieties may be injured with postemergence applications. The varieties Atlantic, Bellchip, Centennial, Chippelle and Shepody are sensitive to a **AVALAIRE METRIBUZIN 4 F**. Avoid postemergence applications on these varieties. Preemergence applications on these varieties may cause crop injury under adverse weather conditions, on coarse soils, under high soil pH, with higher rates per acre and with mechanical incorporation.

Ground Application: **AVALAIRE METRIBUZIN 4 F** may be used with ground spray equipment applied as a preemergence and/or postemergence application for control of the listed grass and broadleaf weeds in potatoes. Apply as a uniform broadcast spray at 20 or more gallons per acre.

Aerial Application: **AVALAIRE METRIBUZIN 4 F** may be applied in aerial spray equipment as a preemergence and/or postemergence application at 5 or more gallons per acre.

Chemigation: **AVALAIRE METRIBUZIN 4 F** may be applied preemergence and/or early postemergence to potatoes using center pivot, solid set and lateral roll systems. Apply specified dosage in 1/4 to 3/4 inch of water per acre (1/4 to 1/2 inch on sandy soil) as a continuous injection in self-propelled systems or apply in the last 15 to 30 minutes of the set in other systems. Be sure all the **AVALAIRE METRIBUZIN 4 F** has been flushed from the lines before shutting down the system.

WEEDS CONTROLLED

AVALAIRE METRIBUZIN 4 F applied to potatoes according to directions, will provide economic control of the following weeds. For optimum control, applications should be made before weeds are 1 inch tall. (See **NOTE**)

| BROADLEAVES | | |
|--------------------------------------|----------------------------------|--|
| Carpetweed, common ¹ | Mustard, tansy ¹ | Shepherdspurse ¹ |
| Cocklebur, common ^{1,2} | Mustard, tumble ¹ | Sicklepod ¹ |
| Jimsonweed ¹ | Mustard, wild ¹ | Smartweed, Pennsylvania ^{1,2} |
| Kochia ³ | Pennycress, field ^{1,2} | Sunflower, common ³ |
| Lambsquarters, common ^{1,2} | Pigweed, redroot ^{1,2} | Thistle, Russian ² |
| Mustard, Indian ¹ | Pigweed, smooth ^{1,2} | |

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|--------------------------------|-------------------------------------|-------------------------------------|
| | Ragweed, common ^{1,2} | |
| GRASSES | | |
| Barnyardgrass ³ | Foxtail, green ¹ | Panicum, fall ¹ |
| Crabgrass, large ¹ | Foxtail, yellow ¹ | Signalgrass, broadleaf ¹ |
| Crabgrass, smooth ¹ | Johnsongrass, seedling ¹ | |
| Foxtail, giant ¹ | | |

¹Weeds controlled with preemergence applications.

²Weeds controlled with postemergence applications.

³Weeds requiring two applications for control.

HARD TO CONTROL WEEDS

Although **AVALAIRE METRIBUZIN 4 F** may not provide commercially acceptable control in every instance, it will suppress growth of the following weeds and reduce their competition with potato plants.

| | |
|--------------------|-------------------|
| BROADLEAVES | |
| Kochia | Purslane, common |
| Nightshade, hairy | Sunflower, common |
| GRASSES | |
| Barnyardgrass | Nutsedge, yellow |

NOTE: Where triazine-resistant weeds are present, this product alone may not provide adequate control.

| BROADCAST APPLICATIONS INSTRUCTIONS | |
|--|---|
| CROP | AVALAIRE METRIBUZIN 4 F PT/ACRE |
| | <u>1/2 to 2</u> |
| Potatoes | <u>PREEMERGENCE: Apply specified dosage as a broadcast spray. Do not mechanically incorporate into soil. Use the 1/2 to 1 pint/acre rate for control of wild mustard (Brassica sp.) only. On sand soils or sensitive varieties, do not exceed 1 pint/acre.</u> |
| | <u>1/2 to 2</u> |
| <u>Potatoes (Except early maturing smooth skinned, red skinned, and other specified varieties.)</u> | <u>1/2 to 1</u> |
| | <u>Postemergence: Apply specified dosage as a broadcast spray over the tops of potato plants.* Use rates of 1/2 to 1 pint/acre for control of redroot pigweed and common lambsquarters only. Apply the 1 pint/acre rate for control of other weeds listed on this label.</u> |
| | <u>Split Applications: This product may be applied once preemergence and once postemergence as directed above. * Do not exceed 2 pints total per acre per season.</u> |
| | <u>Idaho, Oregon and Washington Only: Two postemergence applications can be made as broadcast sprays over the tops of potato plants if AVALAIRE METRIBUZIN 4 F is not applied preemergence. Use 1/2 to 1 pint/acre for control of redroot pigweed and lambsquarters only. On coarse (sandy) soils with low organic matter do not exceed 3/4 pint/acre per application. On medium and heavy soils only, use 1 pint/acre per application for control of other weeds listed on this label and for suppression of hairy nightshade.</u> |

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| | <p><u>Make the first application early in the season while weeds are still small. Allow at least 14 days before the second application. Do not apply after June 30 if treated land is to be planted to crops other than potatoes.</u></p> |
|--|---|

~~PREEMERGENCE: Apply specified dosage as a broadcast spray. Do not mechanically incorporate into soil. Use the 1/2 to 1 pint/acre rate for control of wild mustard (Brassica sp.) only. On sand soils or sensitive varieties, do not exceed 1 pint/acre.~~

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~~Postemergence: Apply specified dosage as a broadcast spray over the tops of potato plants.* Use rates of 1/2 to 1 pint/acre for control of redroot pigweed and common lambsquarters only. Apply the 1 pint/acre rate for control of other weeds listed on this label.~~

~~Split Applications: This product may be applied once preemergence and once postemergence as directed above. * Do not exceed 2 pint total per acre per season.~~

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~~Idaho, Oregon and Washington Only: Two postemergence applications can be made as broadcast sprays over the tops of potato plants if AVALAIRE METRIBUZIN 4 F is not applied preemergence. Use 1/2 to 1 pint/acre for control of redroot pigweed and lambsquarters only. On coarse (sandy) soils with low organic matter do not exceed 3/4 pint/acre per application. On medium and heavy soils only, use 1 pint/acre per application for control of other weeds listed on this label and for suppression of hairy nightshade. Make the first application early in the season while weeds are still small. Allow at least 14 days before the second application. Do not apply after June 30 if treated land is to be planted to crops other than potatoes.~~

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*Refer to Use Restrictions – Potatoes below

Tank Mixes: AVALAIRE METRIBUZIN 4 F may be tank mixed with the following herbicide active ingredients:

Metolachlor/S-metolachlor, S-ethyl dipropylthiocarbamate, pendimethalin and rimsulfuron. In addition, three-way tank mix combinations may be used for AVALAIRE METRIBUZIN 4 F plus metolachlor/S-metolachlor, S-ethyl dipropylthiocarbamate, or pendimethalin plus rimsulfuron when applied preemergence. Refer to each product's label for precautionary statements, restrictions, application information and weeds controlled.

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

Metolachlor/S-metolachlor: AVALAIRE METRIBUZIN 4 F may be applied in a tank mix combination with metolachlor/S-metolachlor as a preemergence broadcast application. Apply AVALAIRE METRIBUZIN 4 F at 3/4 to 2 pints per acre. Refer to the metolachlor/S-metolachlor label for use rates per acre alone on potatoes.

S-ethyl dipropylthiocarbamate: AVALAIRE METRIBUZIN 4 F may be tank mixed with S-ethyl dipropylthiocarbamate at rates and uses permitted on each product's label.

Pendimethalin: **AVALAIRE METRIBUZIN 4 F** may be applied in tank mix combination with pendimethalin as a preemergence or early postemergence broadcast application. As a preemergence mix, apply **AVALAIRE METRIBUZIN 4 F** at 1 to 2 pints per acre and refer to use rates as permitted on the pendimethalin label. As an early postemergence spray, apply **AVALAIRE METRIBUZIN 4 F** at 1/2 to 1 pint per acre before the crop is in the 6-inch growth stage. Refer to the pendimethalin label for use rates per acre.

Rimsulfuron: (except the following counties in Colorado: Almosa, Conejos, Costilla, Rio Grande and Saguache): **AVALAIRE METRIBUZIN 4 F** may be applied in tank mix combination with rimsulfuron as a preemergence and/or early postemergence application for improved control on weeds such as Russian thistle, kochia and common lambsquarters. As a preemergence mix, apply **AVALAIRE METRIBUZIN 4 F** at 1/2 to 1.125 pints per acre and refer to the rimsulfuron label for use rates. As an early postemergence spray, apply this product at 1/2 to 1 pint per acre and refer to the rimsulfuron label for use rates.

Use a nonionic surfactant at a rate of 0.125% v/v (1 pt./100 gallons of water). Apply before the crop exceeds 14 inches in height. Postemergence applications of rimsulfuron treatments should be made prior to June 30.

Use Restrictions (Potatoes):

- Do not use **AVALAIRE METRIBUZIN 4 F** on potatoes in Kern County, California.
- Do not apply more than a total of 2 pints **AVALAIRE METRIBUZIN 4 F** per acre in a single crop season regardless of the method of application.
- Do not make postemergence applications prior to rainfall or irrigation on recently cultivated potatoes, nor within 3 days after periods of cool, wet cloudy weather or injury may occur.
- Pre-harvest Interval (PHI): Do not apply **AVALAIRE METRIBUZIN 4 F** within 60 days of harvest.
- Do not use air blast sprayers.
- Do not apply to sweet potatoes or yams.
- Do not rotate any crop not listed on this label for 18 months following application of **AVALAIRE METRIBUZIN 4 F**.

Use Precautions:

- Postemergence applications may cause some chlorosis or minor necrosis. These symptoms may be more severe if seed-piece decay is occurring or if growing conditions favor crop stress.
- Postemergence applications may be made only on russet or white skinned varieties that are not early maturing.
- Potato varieties may vary in their response to herbicide application. When using **AVALAIRE METRIBUZIN 4 F** for the first time on a variety, always determine crop tolerance before using on a field scale.

Certain varieties of wheat and barley are sensitive to **AVALAIRE METRIBUZIN 4 F** (see the wheat and barley section of this label for sensitive varieties) and should not be planted during the next growing season unless the following cultural practices occur:

1. Potato vines left in rows as a result of harvest must be uniformly distributed over the soil surface prior to plowing and,

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2. ~~2.~~ Plow with a moldboard plow to a depth sufficient to mix the upper 8 inches of soil.

SOYBEANS

(Except California)

AVALAIRE METRIBUZIN 4 F tank mix combinations may be used for preplant incorporated applications, preemergence surface applications, split-shot application and extended split-shot application. This product may also be used as an overlay application following a preplant incorporated application of a grass herbicide and alone as a preemergence surface application of a surface application. All these applications can be applied with ground equipment, and some can be applied with aerial spray equipment. In addition, this product can be applied as a post emergence directed spray to soybeans in certain states.

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 for use and precautionary statements on each product in the tank mixture.

Restrictions (Soybeans):

- Grazing and Feeding Treated Vines: Treated vines may be grazed or fed to livestock 40 days after application when this product is applied alone or with trifluralin, metolachlor, or pendimethalin.
- Do not use treated vines for feed or forage when this product is applied with ethalfluralin, or linuron plus metolachlor.

Precautions (Soybeans): Injury to soybeans may occur when this product is used under the following conditions:

- When the soils have a calcareous surface area or a pH of 7.5 or higher.
- Due to the sensitivity of certain soybean varieties, do not use this product on Altona, AP 55, AP71, Asgrow 6520, Burlison, Coker 102, Coker 156, Dassal, GL 3202, Govan, Maple Amber, NB 3665, NKS 1884, Paloma 350, Portage, Regal, Semmes, Terra-Vig 505, Terra Vig 606, Tracy, Vansoy, and Vinton 81. Consult your seed supplier for information on the tolerance of newly released soybean varieties, prior to use of this product.
- When applied in conjunction with soil-applied organic phosphate pesticides.
- Over application or boom overlapping may result in stand loss and soil residues.
- Uneven application or improper incorporation can decrease the level of weed control and/or increase the level of injury.
- When applied to any soil with less than ½ organic matter.
- Soil incorporation deeper than directed.
- When sprayers are not calibrated accurately.
- When heavy rains occur soon after application, especially in poorly drained areas where water may stand for several days.
- When soybeans are planted less than 1-1/2 inches deep, particularly in preemergence application.

Activation: A minimum amount of soil moisture is required to activate this product. In areas of low rainfall, preemergence applications to dry soil should be followed with light irrigation of ¼ acre-inch of water. Do not apply heavy irrigation immediately after application. As with many surface applied herbicides, weed control and crop tolerance may vary with rainfall and/or soil texture.

Rate Ranges: Where the rate range is shown, use a lower rate on soils that are coarse textured or low in organic matter. Use a higher rate on soils that are relatively fine textured or high in organic matter.

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Replanting: If replanting is necessary in fields treated with this product as directed on this label, the field may be replanted to soybeans. When replanting use a minimum of tillage. Do not apply a second treatment as injury to soybeans may occur.

| WEEDS CONTROLLED BY AVALAIRE METRIBUZIN 4 F AND AVALAIRE METRIBUZIN 4 F HERBICIDE TANK-MIX COMBINATIONS | | | | | | | | |
|---|--|---|--|---|---|---|---|---|
| C= Control S= Suppression or Erratic Control P= Poor or No Control 0= No Information | | | (Control may range from poor to excellent) | | | | | |
| 1 = AVALAIRE METRIBUZIN 4 F Alone 2 = AVALAIRE METRIBUZIN 4 F Split-Shot 3 = AVALAIRE METRIBUZIN 4 F plus trifluralin | 4 = AVALAIRE METRIBUZIN 4 F plus metolachlor 5 = AVALAIRE METRIBUZIN 4 F plus pendimethalin | | | 6 = Extended Split-Shot 7 = AVALAIRE METRIBUZIN 4 F plus ethafluralin 8 = AVALAIRE METRIBUZIN 4 F plus linuron plus metolachlor | | | | |
| ANNUAL BROADLEAF WEEDS | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| Black Nightshade (<i>Solanum nigrum</i>) | P | P | P | C | P | C | P | S |
| Bristly Starbur (<i>Acanthospermum hispidum</i>) | C | C | C | C | C | C | C | C |
| Buffalobur (<i>Solanum rostratum</i>) | C | C | P | P | P | C | P | 0 |
| Carpetweed (<i>Mollugo verticillata</i>) | C | C | C | C | C | C | C | C |
| Cocklebur (<i>Xanthium pensylvanicum</i>) | S | C | S | S | S | C | S | S |
| Copperleaf (<i>Acalypha ostrva elolia</i>) | C | C | C | C | C | C | C | C |
| Florida Beggarweed (<i>Desmodium tortuosum</i>) | C | C | C | C | C | C | C | C |
| Florida Pusley (<i>Richardia scabra</i>) | C | C | C | C | C | C | C | C |
| Galinsoga (<i>Galinsoga spp.</i>) | C | C | C | C | C | C | C | C |
| Horseweed, Maretail (<i>Conyza canadensis</i>) | 0 | 0 | 0 | 0 | 0 | C | 0 | 0 |
| Jimsonweed (<i>Datura stramonium</i>) | C | C | C | C | C | C | C | S |
| Knotweed (<i>Polygonum spp.</i>) | C | C | C | C | C | C | C | C |
| Kochia (<i>Polygonum spp.</i>) | C | C | C | C | C | C | C | C |
| Lambsquarters (<i>Chenopodium spp.</i>) | C | C | C | C | C | C | C | C |
| Morningglory, Ivyleaf (<i>Ipomoea hederacea</i>) | P | P | S | P | P | P | P | P |
| Morningglory, Pitted (<i>Ipomoea lacunosa</i>) | P | P | S | P | P | P | P | P |
| Morningglory, Smallflower (<i>Jacquemontia tamnifolia</i>) | P | P | C | P | P | P | P | P |
| Morningglory, Tall (<i>Ipomoea purpurea</i>) | P | P | S | P | P | P | P | P |
| Pigweeds (<i>Amaranthus spp.</i>) | C | C | C | C | C | C | C | C |
| Prickly Sida/ Teaweed (<i>Sida spinosa</i>) | C | C | C | C | C | C | C | C |
| Purslane (<i>Portulaca oleracea</i>) | C | C | C | C | C | C | C | C |
| Ragweed, Common (<i>Ambrosia artemisiifolia</i>) | C | C | C | C | C | C | C | C |
| Redweed (<i>Melochia corchorifolia</i>) | C | C | C | C | C | C | C | C |
| Russian Thistle (<i>Salsola kali</i>) | C | C | C | C | C | C | C | C |
| Sesbania (<i>Sesbania spp.</i>) | C | C | C | C | C | C | C | C |
| Shepherdspurse (<i>Capsella bursa-pastoris</i>) | C | C | C | C | C | C | C | C |
| Sicklepod (<i>Cassia obtusifolia</i>) | C | C | S | C | S | C | S | S |
| Smartweeds (<i>Polygonum spp.</i>) | C | C | C | C | C | C | C | S |
| Spotted Spurge (<i>Euphorbia maculata</i>) | C | C | P | C | P | C | P | 0 |
| Spurred Anoda (<i>Anoda cristata</i>) | C | C | C | C | C | C | C | 0 |
| Sunflower (<i>Helianthus spp.</i>) | C | C | S | S | S | C | S | P |
| Velvetleaf (<i>Abutilon theophrasti</i>) | C | C | C | C | C | C | C | C |
| Venice Mallow (<i>Hibiscus trionum</i>) | C | C | C | C | C | C | C | C |
| Wild Mustards (<i>Brassica spp.</i>) | C | C | C | C | C | C | C | C |

| WEEDS CONTROLLED BY AVALAIRE METRIBUZIN 4 F AND AVALAIRE METRIBUZIN 4 F HERBICIDE TANK-MIX COMBINATIONS | | | | | | | | | |
|---|--|---|---|---|---|---|---|---|--|
| C= Control S= Suppression or Erratic Control P= Poor or No Control 0= No Information (Control may range from poor to excellent) | | | | | | | | | |
| 1 = AVALAIRE METRIBUZIN 4 F Alone 2 = AVALAIRE METRIBUZIN 4 F Split-Shot 3 = AVALAIRE METRIBUZIN 4 F plus trifluralin | 4 = AVALAIRE METRIBUZIN 4 F plus metolachlor 5 = AVALAIRE METRIBUZIN 4 F plus pendimethalin | | | 6 = Extended Split-Shot 7 = AVALAIRE METRIBUZIN 4 F plus ethafluralin 8 = AVALAIRE METRIBUZIN 4 F plus linuron plus metolachlor | | | | | |
| ANNUAL GRASSES | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | |
| Barnyardgrass (<i>Echinochloa crus-galli</i>) | S | C | C | C | C | C | C | C | |
| Bluegrass (<i>Poa annua</i>) | C | C | C | C | C | C | C | C | |
| Broadleaf Signalgrass (<i>Brachiaria platyphylla</i>) | C | C | C | C | C | C | C | 0 | |
| Browntop Millet (<i>Panicum ramosum</i>) | C | C | C | P | C | C | 0 | 0 | |
| Crabgrass (<i>Digitaria spp.</i>) | C | C | C | C | C | C | C | C | |
| Crowfootgrass (<i>Dactyloctenium aegyptium</i>) | C | C | C | C | C | C | 0 | 0 | |
| Cupgrass (<i>Eriochloa gracilis</i>) | P | C | P | P | P | C | 0 | 0 | |
| Foxtails (<i>Setaria spp.</i>) | S | C | C | C | C | C | C | C | |
| Goosegrass (<i>Eleusine indica</i>) | C | C | C | C | C | C | C | C | |
| Johnsongrass, Seedling (<i>Sorghum halepense</i>) | C | C | C | C | C | C | C | 0 | |
| Junglerice (<i>Echinochloa colonum</i>) | C | C | C | C | C | C | C | 0 | |
| Nutsedge, Yellow (<i>Cyperus esculentus</i>) | P | P | P | C | P | C | P | 0 | |
| Panicum, Fall (<i>Panicum dichotomiflorum</i>) | P | C | C | C | C | C | C | C | |
| Panicum, Texas (<i>Panicum texanum</i>) | P | C | C | P | C | S | C | 0 | |
| Red Rice (<i>Oryza sativa</i>) | P | C | C | C | P | C | 0 | 0 | |
| Sandbur (<i>Cenchrus spp.</i>) | P | C | C | P | C | S | 0 | 0 | |
| Shattercane (<i>Sorghum bicolor</i>) | P | C | C | P | P | P | C | 0 | |
| Sorghum, Volunteer (<i>Sorghum spp.</i>) | P | C | C | P | P | P | 0 | P | |
| Sprangletop (<i>Leptochloa spp.</i>) | P | C | C | P | P | P | 0 | P | |
| Stinkgrass (<i>Eragrostis spp.</i>) | P | C | C | P | P | P | 0 | P | |
| Wheat, Volunteer (<i>Triticum spp.</i>) | P | P | P | P | P | P | 0 | P | |
| Witchgrass (<i>Panicum capillare</i>) | P | C | C | C | C | C | C | 0 | |

AVALAIRE METRIBUZIN 4 F Alone

AVALAIRE METRIBUZIN 4 F (Alone) Preemergence Application: The following rates of this product may be applied preemergence to soybeans through center pivot or lateral move sprinkler irrigation systems that apply water in a uniform manner. Refer to the **Chemigation** section of this label for directions.

This product can be applied broadcast or banded. This application may be made during planting or as a separate operation after planting but before crop emergence. See the "Product Information" section in the front of this label.

Do not apply to sand soils, or to sandy loam or loamy sand soils containing less than 2% organic matter. Do not incorporate into soil or apply more than once per season.

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PINTS OF AVALAIRE METRIBUZIN 4 F PER ACRE

| SOIL TEXTURE | ORGANIC MATTER | | |
|---|----------------------------|----------------|----------------|
| | Less than 2% | 2 to 4% | Over 4% |
| Coarse Soils (Sandy loam, loamy sand) | DO NOT USE ³ | 3/4 | 1 |
| Medium Soils¹ (Loam, silt loam, silt, sandy clay, sandy clay loam) | ¾ to 1 | 1 to 1-1/4 | 1-1/4 to 1-1/2 |
| Fine Soils¹ (Silty clay, silty clay loam ² , clay loam) | 1 to 1-1/4 | 1-1/4 to 1-1/2 | 1-1/2 to 1-3/4 |
| Mississippi Delta Only | 1-1/2 | 1-3/4 | 2 |

¹For control of lambsquarters, redroot pigweed and wild mustard, and for suppression of green, yellow and giant foxtails on alkaline (calcareous) soils in Nebraska, Minnesota, South Dakota and North Dakota only, apply this product at rates of 1/2 pt/acre on medium soils and 1/2 to 3/4 pt/acre on fine soils regardless of soil organic matter percentage (use 3/4 pt only where soil pH is less than 7.5 and weed pressure is heavy). The 1/2 pt/acre rate of this product alone can be applied regardless of soil pH. For control of other weeds listed on this label use this product at full rates specified in the table above, **but note that crop injury may occur on soils having a calcareous surface area or a pH of 7.5 or higher.**

²Silty clay loam soils are transitional soils and may be classified as medium textured soils in some regions of the U.S.

³Refer to the appropriate section of this label for use of this product on soybeans in coarse soils with 0.5% or more organic matter in certain states.

Uses of AVALAIRE METRIBUZIN 4 F Herbicide in Combination with Other Herbicides

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 for use and precautionary statements on each product in the tank mixture.

Sequential Application of Imazaquin Following AVALAIRE METRIBUZIN 4 F

If needed, application of this product alone or in a registered tank mix according to directions on this label, may be followed by an early postemergence application of imazaquin herbicide.

Refer to the imazaquin label for precautions, restrictions, directions, limitations, and information on environmental hazards and planting of rotational crops.

Split-Shot Application

A preplant incorporated application of this product tank mixed with either trifluralin, metolachlor, pendimethalin or ethalfluralin and followed by a preemergence surface application of this product alone after planting but prior to soybean emergence, will control more broadleaf and grass weeds in soybeans than when either herbicide is used alone.

Refer to the trifluralin, metolachlor, pendimethalin or ethalfluralin labels, and to appropriate sections of this label for directions on soil preparation, herbicide application, incorporation techniques, herbicide rates, weed species controlled, and restrictions for using tank mix combinations of this product. Carefully observe the "Precautions" section concerning the use of this product in tank mix combinations on soybeans.

When a Split-Shot application of this product with pendimethalin, trifluralin, or ethalfluralin is used, the preplant incorporated tank mix may be applied up to 21 days prior to planting soybeans; with metolachlor, the preplant incorporated tank mix may be applied up to 14 days prior to planting.

On medium and fine textured soils with greater than 2% organic matter, a rate range is specified for the preemergence overlay application. Use the higher rate (a) in fields with a history of severe broadleaf weed pressure, (b) when the time between preplant incorporated tank mix and preemergence overlay applications approaches the maximum stated above, and/or (c) when the organic matter content of the soil is at the upper end of the indicated range.

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For black nightshade control, refer to the appropriate sections of the metolachlor or ethalfluralin labels for specific instructions.

SPLIT-SHOT APPLICATION

| Preplant Incorporated Tank-Mix Application – Followed By – Preemergence Overlay Application | | | | | | |
|---|----------------------------|------|---|---|--------------------------|---------------------------------------|
| Soil Texture ¹ | Combination Product Rate | Plus | Rate of AVALAIRE METRIBUZIN 4 F Pt/A | Rate of AVALAIRE METRIBUZIN 4 F Pt/A Organic Matter | | |
| | | | | Less than 2.0% | 2.0% to 4.0% | Over 4.0% |
| Coarse (Light) Soils sand, loamy sand, sandy loam | See reference ⁴ | plus | 1/2 – Followed By | 1/4 | 1/4 | 1/4 to 1/2 |
| Medium Soils loam, silt loam, sandy clay loam, silt loam, silty clay | See reference ⁴ | plus | 3/4 – Followed By or 1/2 ² – Followed By | 1/4 1/2 | 1/4 to 1/2 1/2 to 3/4 | 1/2 to 3/4 (3/4 to 1) ³ |
| Fine (Heavy) Soils silty clay loam*, clay loam, silty clay, clay | See reference ⁴ | plus | 1.0 – Followed By or 3/4 ² – Followed By | 1/4 1/2 | 1/4 to 1/2 1/2 to 3/4 | 1/2 to 3/4 (3/4 to 1) ³ |

* Silty clay loam soils are transitional soils and may be classified as medium textured soils in some regions of the U.S.

¹ On coarse textured soils, do not use on sand soils with less than 1% organic matter, or on loamy sand or sandy loam soils with less than 0.5% organic matter. However, on coarse textured soils with a **calcareous surface area or a pH of 7.5 or higher**, do not use on sand soils with less than 2% organic matter, or on loamy sand or sandy loam soils with less than 1% organic matter.

² Use this lower rate of this product in the preplant incorporated tank mix **on soils having a calcareous surface area or a pH of 7.5 or higher**, and in those situations where soils within a field vary extremely in texture or organic matter content.

³ Reduce this preemergence overlay rate of this product by 1/4 pt/acre when using Split-Shot application **on soils with over 4% organic matter and which have a calcareous surface area or a pH of 7.5 or higher**.

⁴ Refer to specific trifluralin, metolachlor, pendimethalin, or ethalfluralin product label instructions.

Extended Split-Shot Application

(Includes No-Till, Reduced-Till, Ridge-Till, Strip-Till, Mulch-Till)

An early preplant (surface-applied or shallow incorporated) application of this product tank mixed with metolachlor, followed by a preemergence surface application of this product tank mixed with metolachlor after planting but prior to soybean emergence, will control more broadleaf and grass weeds in soybeans than either herbicide used alone. An Extended Split-Shot application will decrease the need for tillage and/or contact herbicides for control of existing vegetation prior to planting, while providing residual control of weeds after planting.

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When an Extended Split-Shot application of this product with metolachlor is used, the preplant tank mix combination may be applied 15 to 30 days prior to planting soybeans. Follow directions on the label accompanying the product for Split-Shot applications from 0 to 14 days before planting.

Where a rate range is specified, use the higher rate (a) in fields with a history of severe weed pressure, (b) when the time between early preplant tank mix and preemergence overlay applications approaches the maximum 30 days, (c) when the organic matter content of the soil is at the upper end of the indicated range, (d) when heavy crop residues are present on the soil surface, and/or (e) when the early preplant tank mix application is shallow incorporated (e.g. use 2 to 2-1/2 qt alachlor in the early preplant tank mix when surface applied and use 2-1/2 to 3 qt alachlor when the tank mix is to be lightly incorporated).

When weeds exceed 1 to 1-1/2 inches in height or diameter at application, use a contact herbicide, such as glyphosate or paraquat.

Refer to the metolachlor label, and to appropriate sections of this label for additional information on soil preparation, herbicide application, weeds controlled, precautions, restrictions, limitations and sprayer clean up.

EXTENDED SPLIT-SHOT APPLICATION

| Early Preplant Tank Mix Application (Surface-Applied or Shallow Incorporated) | | | | | Preemergence Overlay Application | | | | |
|---|-------------------------------|------|---|----------------|----------------------------------|------|--|--------------------|----------------|
| Soil Texture ¹ | Combination Product Rate | Plus | Rate of AVALAIRE METRIBUZIN 4 F Pt/A | Followed By | Combination Product Rate | Plus | Rate of AVALAIRE METRIBUZIN 4 F Pt/A Organic Matter | | |
| | | | | | | | Less than 2.0% | 2.0% to 4.0% | Ove r 4% |
| Coarse (Light) Soils sand, loamy sand, sandy loam | See reference ³ | plus | 1/2 to 3/4 | metolachlor | See reference ³ | plus | 1/4 | 1/4 to 1/2 | 1/2 |
| Medium Soils loam, silt loam, sandy clay loam, silt, sandy clay | See reference ³ | plus | 2 ³ /4 to 1 | metolachlor | See reference ³ | plus | 1/2 | 1/2 to 3/4 | 3/4 to 1 |
| Fine (Heavy) Soils silty clay loam*, clay loam, silty clay, clay | See reference ³ | plus | 2 ¹ to 1-1/4 | metolachlor | See reference ³ | plus | 1/2 | 1/2 to 3/4 | 3/4 to 1 |

* Silty clay loam soils are transitional soils and may be classified as medium textured soils in some regions of the U.S.

¹ On coarse textured soils, do not use on sand soil with less than 1% organic matter. However, on coarse textured soils with a **calcareous surface area or a pH of 7.5 or higher**, do not use on sand soils with less than 2% organic matter, or on loamy sand or sandy loam soils with less than 1% organic matter.

² Use the lower rate of this product in the early preplant tank mix on soils having a **calcareous surface area or a pH of 7.5 or higher, and in those rare situations where soils within a field vary extremely in texture or organic matter content**.

³ Refer to specific metolachlor product label instructions.

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AVALAIRE METRIBUZIN 4 F Plus Ethalfluralin

AVALAIRE METRIBUZIN 4 F plus Ethalfluralin Overlay Application: This product may be applied as a preemergence overlay application following a preplant incorporated application of ethalfluralin. Consult the ethalfluralin label for specific directions on use, instructions, restrictions and any additional weeds not specified on this label.

AVALAIRE METRIBUZIN 4 F plus Ethalfluralin Tank Mix Application: Incorporate the tank mixture into the top 1 to 2 inches of soil within 21 days before planting according to label directions for ethalfluralin.

Apply this product plus ethalfluralin preplant incorporated if furrow irrigation is used or when a period of dry weather after application is expected. If soybeans are planted on beds, apply and incorporate the tank mixture after bed formation.

-Mixing: Refer to the "Product Information" section in the front of this label.

Application: Ethalfluralin should be uniformly applied and thoroughly mixed into the soil within 2 days after application. For specific application information, refer to the "Product Information" section in the front of this label.

Precautions (AVALAIRE METRIBUZIN 4 F plus Ethalfluralin):

- For additional precautions, restrictions, limitations, incorporation, and sprayer clean-up information, refer to the appropriate sections of this label and the ethalfluralin label.
- For black nightshade control, refer to the ethalfluralin label for specific rates and application instructions.

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BROADCAST RATES

| Soil Texture | AVALAIRE METRIBUZIN 4 F Pt/A | Ethalfluralin |
|---|---------------------------------|----------------------------|
| Coarse Soils ¹ (Sandy loam, loamy sand) | 1/2 | See reference ⁴ |
| Medium Soils ³ (Loam, silt loam, silt, sandy clay, sandy clay loam) | 3/4 | See reference ⁴ |
| Fine Soils ³ (Silty clay, silty clay loam ² , clay, clay loam) | 1 | See reference ⁴ |

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¹ Do not use on coarse soils with less than 1% organic matter.

² Silty clay loam soils are transitional soils and may be classified as medium textured soils in some regions of the U.S.

³ For control of lambsquarters, redroot pigweed, wild mustard, and green and yellow foxtails on alkaline (calcareous) soils in Minnesota, Nebraska, South Dakota, and North Dakota only, apply this product at rates of 1/2 pt/acre on medium soils and 1/2 to 3/4 pt/acre on fine soils regardless of soil organic matter percentage (use 3/4 pt only where soil pH is less than 7.5 and weed pressure is heavy). The 1/2 pt rate of this product in tank mix combination with ethalfluralin can be applied regardless of soil pH. For control of other weeds not listed on the label, use this product at full rates specified in the table above, **but note that crop injury may occur on soils having a calcareous surface area or a pH of 7.5 or higher.**

⁴ Refer to specific ethalfluralin product label instructions.

AVALAIRE METRIBUZIN 4 F Plus Trifluralin

Restrictions

- Do not plant soybeans deeper than 2 inches.
- Do not rotate any crop not listed on this label for 18 months after the tank-mix application.
- Do not use this tank mix combination on soils containing charcoal in Arkansas, Louisiana and Mississippi.

Precautions

- Seedling disease, cold weather, excessive moisture, high salt concentration or drought may weaken soybean seedlings and increase possibility of damage from the tank mix.

For additional precautions, restrictions, limitations and sprayer clean-up information refer to the appropriate section of this label.

AVALAIRE METRIBUZIN 4 F and Trifluralin Overlay Application: This product may be applied as a preemergence broadcast or band overlay application following a pre-plant incorporated treatment of trifluralin. Consult the trifluralin label for specific directions for use, instructions, restrictions and any additional weeds not specified on this label.

AVALAIRE METRIBUZIN 4 F plus Trifluralin Tank Mix Application: A single application of a tank mix combination of this product and trifluralin will control more broadleaf and grass weeds in soybeans than when either herbicide is used alone.

Prepare the soil surface by deep plowing, offset disking or tandem disking prior to the application of the herbicide combination. The soil surface should be well prepared and free of clods and trash.

This product plus trifluralin tank mix combination may be applied and incorporated into the soil up to 10 days before planting.

Mixing: Refer to the "Product Information" section in the front of this label.

Application: For specific information refer to the "Product Information" section in the front of this label.

Apply this product plus trifluralin to the soil surface and incorporate in the same operation, if possible. Variable weed control may result from delayed incorporation if this product plus trifluralin are applied to a wet, warm soil surface or if the wind velocity is 10 mph or higher. Use machinery that mixes this product plus trifluralin thoroughly with the soil. Incorporation may be delayed up to 24 hours after application. Shallow incorporation with implements set to cut less than 2 inches deep may result in erratic weed control. Do not use spike or spring-tooth harrows alone for incorporation.

BROADCAST RATES

| Soil Texture | AVALAIRE METRIBUZIN 4 F Pt/A | Trifluralin |
|---|---------------------------------|----------------------------|
| Coarse Soils ¹ (Sandy loam, loamy sand) | 1/2 | See reference ⁴ |
| Medium Soils (Loam, silt loam, silt, sandy clay, sandy clay loam) | 3/4 | See reference ⁴ |
| Fine Soils (Silty clay, silty clay loam ² , clay, clay loam) ³ | 1 | See reference ⁴ |

¹ Do not use on coarse soils with less than 1% organic matter.

² Silty clay loam soils are transitional soils and may be classified as medium textured soils in some regions of the U.S.

³ For control of lambsquarters, redroot pigweed, wild mustard, and green and yellow foxtails on alkaline (calcareous) soils in Minnesota, Nebraska, South Dakota, and North Dakota only, apply this product at rates of 1/2 pt/acre on medium soils and 1/2 to 3/4 pt/acre on fine soils regardless of soil organic matter percentage (use 3/4 pt only where soil pH is less than 7.5 and weed pressure is heavy). The 1/2 pt rate of this product in tank mix combination with trifluralin can be applied regardless of soil pH. For control of other weeds listed on the label use this product at full rates specified in the table above, **but note that crop injury may occur on soils having a calcareous surface area or a pH of 7.5 or higher.**

⁴ Refer to specific trifluralin product label instructions.

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Incorporation Equipment:

Set PTO driven equipment (tillers, cultivators, hoes) to cut 2 to 3 inches deep and space rotors to provide a clean sweep of the soil. PTO equipment should not be operated at a speed greater than 4 miles per hour.

Set disk to cut 4 to 6 inches deep and operate twice in different directions at 4 to 6 miles per hour.

Set mulch treader and other similar disk-type implements to cut 3 to 4 inches deep and operate twice in different directions at 5 to 8 miles per hour.

For Coarse and Medium Textured Soils Only:

Set rolling cultivator to cut 2 to 4 inches deep and operate twice at 6 to 8 miles per hour. Set bed conditioner (Do-All) to cut 2 to 4 inches deep and operate at 4 to 6 miles per hour.

AVALAIRE METRIBUZIN 4 F Plus Metolachlor Tank Mix Applications

Preplant Incorporated Application: Incorporate the tank mixture into the top 2 inches of soil within 14 days before planting using a disk, harrow, rolling cultivator or similar implement.

Apply this product plus metolachlor preplant incorporated if furrow irrigation is used or when a period of dry weather after application is expected. If soybeans are planted on beds, apply and incorporate the tank mixture after bed formation.

Preemergence Application: Dry weather following preemergence application of this product plus metolachlor tank mixture may reduce effectiveness. If weeds develop, cultivate uniformly with shallow tillage equipment such as a rotary hoe that will not damage soybeans.

Mixing Instruction: Refer to the "Product Information" section in the front of this label.

For information on applying this product in fluid or dry fertilizer refer to the "Application of **AVALAIRE METRIBUZIN 4 F** in Fluid Fertilizers or Commercial Impregnation and Application of **AVALAIRE METRIBUZIN 4 F** on Dry Bulk Fertilizer" under the "Product Information" section in the front of this label.

| BROADCAST RATES | | |
|---|-------------------------------------|----------------------------|
| AVALAIRE METRIBUZIN 4 F Plus Metolachlor | | |
| Tank Mix Preemergence Applications | | |
| 0.5% to 3% Organic Matter | | |
| Soil Texture | AVALAIRE METRIBUZIN 4 F Pt/A | Metolachlor |
| Coarse Soils ¹ (Loamy sand, sandy loam) | 1/2 | See reference ³ |
| Medium Soils (Loam, silt loam, silt) | 3/4 | See reference ³ |
| Fine Soils (Silty clay loam ² , sandy clay loam, silty clay, sandy clay, clay loam, clay) | 1 | See reference ³ |
| Mississippi Delta Only (Silty clay, clay) | 1-1/2 | See reference ³ |
| Over 3% Organic Matter | | |
| Coarse Soils ¹ (Loamy sand, sandy loam) | 3/4 | See reference ³ |
| Medium Soils (Loam, silt loam, silt) | 1 | See reference ³ |

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Preplant Incorporated Application: Prepare the soil by plowing or disking to mix previous crop residues into the soil to a depth of 4 to 6 inches.

For specific application information refer to the “Product Information” section in the front of this label.

Incorporate the tank mixture into the top 1 or 2 inches of soil within 7 days after application according to label directions for pendimethalin. Mechanical incorporation is not required if a rain of 1/4-inch or more occurs within 7 days after application. Soybeans must be planted no later than 7 days after application of the tank mixture.

Preemergence Application: Except for the minimum and no-tillage system, the seed bed should and free of trash and clods.

For specific application information refer to the “Product Information” section in the front of this label. Do not apply pendimethalin preemergence north of Interstate 80. This application must be made after planting and before crop emergence. Do not incorporate. If cultivation is necessary because of soil crusting, soil compaction or weed germination before rain or irrigation, use shallow tilling equipment such as a rotary hoe that does not damage soybeans.

Mixing Instructions: Refer to the “Product Information” section in the front of this label.

For information on applying this product in fluid or dry fertilizer refer to the “Application of **AVALAIRE METRIBUZIN 4 F** In Fluid Fertilizers or Commercial Impregnation and Application of **AVALAIRE METRIBUZIN 4 F** On Dry Bulk Fertilizer” under the “Product Information” section in the front of this label.

Southern States and Eastern Coastal Plains

For use only in Alabama, Arkansas, Florida, Georgia, Louisiana, Mississippi, North Carolina, Oklahoma, Southeastern Missouri “Boothel” Region and Coastal Plains of Delaware*, Maryland*, New Jersey* and Virginia*.

*Do not use **AVALAIRE METRIBUZIN 4 F**/pendimethalin on soils with less than 2% organic matter in the coastal plain of New Jersey of the Delmarva Peninsula.

| BROADCAST RATES | | |
|---|------------------------------|----------------------------|
| AVALAIRE METRIBUZIN 4 F Plus Pendimethalin Tank Mix Applications | | |
| Soil Texture | AVALAIRE METRIBUZIN 4 F Pt/A | Pendimethalin |
| Coarse Soils ¹ (Sandy loam, loamy sand) | 1/2 | See reference ³ |
| Medium Soils (Loam, silt loam, silt, sandy clay, sandy clay loam) | 3/4 | See reference ³ |
| Fine Soils (Silty clay, silty clay loam ² , clay, clay loam) | 1 | See reference ³ |

¹ Do not use on sand soils. Do not use on loamy sand or sandy loam containing less than 1 % organic matter.

² Silty clay loam soils are transitional soils and may be classified as medium textured soils in certain regions of the U.S.

Do not use on muck or peat soils.

³ Refer to specific pendimethalin product label instructions.

Northeastern and North Central States

For use only in Illinois, Indiana, Iowa, Kansas, Kentucky, Michigan, Minnesota, Nebraska, New York, North Dakota, Ohio, Pennsylvania, South Dakota, Wisconsin and Missouri (except the “Boothel” Region).

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| BROADCAST RATES | | |
|--|------------------------------|----------------------------|
| AVALAIRE METRIBUZIN 4 F Plus Pendimethalin Tank Mix Applications | | |
| 1/2 to 3% Organic Matter | | |
| Soil Texture | AVALAIRE METRIBUZIN 4 F Pt/A | Pendimethalin |
| Coarse Soils ¹ (Sandy loam, loamy sand) | 1/2 | See reference ³ |
| Medium Soils (Loam, silt loam, silt, sandy clay, sandy clay loam) | 3/4 | See reference ³ |
| Fine Soils (Silty clay, silty clay loam ² , clay, clay loam) | 3/4 to 1 | See reference ³ |
| Over 3% Organic Matter | | |
| Coarse Soils ¹ (Sandy loam, loamy sand) | 3/4 | See reference ³ |
| Medium Soils (Loam, silt loam, silt, sandy clay, sandy clay loam) | 3/4 to 1 | See reference ³ |
| Fine Soils (Silty clay, silty clay loam ² , clay, clay loam) | 1 to 1-1/4 | See reference ³ |

¹ Do not use on sand soils. Do not use on loamy sand or sandy loam containing less than 1% organic matter. Where a range of rates is shown for medium and fine soils, use the higher rate if heavy weed infestations are anticipated.

² Silty clay loam soils are transitional soils and may be classified as medium textured soils in certain areas of the U.S.

Do not use on muck or peat soils

³ Refer to specific pendimethalin product label instructions.

Precautions (AVALAIRE METRIBUZIN 4 F plus Pendimethalin):

- Soil incorporation deeper than directed will reduce weed control and can result in crop injury.
- For additional precautions, restrictions, limitations, and sprayer clean-up information, refer to the appropriate sections of this label and the pendimethalin label.

AVALAIRE METRIBUZIN 4 F Plus Clomazone

This product may be applied in combination with clomazone as a preplant or shallow incorporated application for the control of certain weeds in soybeans. Consult the clomazone label for specific directions on use, instructions, restrictions and any additional weeds not specified on this label.

Mixing: Refer to the "Product Information" section in the front of this label.

Use Restrictions (AVALAIRE METRIBUZIN 4 F plus Clomazone):

- Do not rotate to wheat, barley, alfalfa or seed corn in the fall of the year of application or in the spring of the following year as crop injury may occur.
- Do not rotate any crop not listed on this label for 18 months following application.
- Do not apply when weather conditions favor drift.
- Do not use treated vines for feed or forage.
- Do not apply aerially or through irrigation equipment.

Application: This product plus clomazone may only be applied with ground equipment as a preplant or shallow incorporated application. This product plus clomazone should be immediately incorporated into the top 1 to 3 inches after application unless surface is dry. On dry soils, incorporate into the top 1 to 3 inches within 3 hours of tank mix application.

Do not apply this tank mix within 1000 feet of towns and subdivisions, commercial vegetable, fruit, nurseries or greenhouse operations.

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A minimum of 15 gallons spray volume per acre is required with appropriate nozzle types and sizes to produce a coarse spray droplet. The use of an approved agricultural drift reducing additive is recommended for application volumes of 15 to 40 gallons per acre. The use of an approved agricultural drift reducing additive is required at spray volumes of 10 to 15 gallons per acre.

NOTE: Off-site movement of clomazone spray drift or vapors can cause foliar whitening or yellowing of some vegetation. Prior to application of clomazone, read and strictly follow all precautions, restrictions and application instructions as set forth in that label.

For additional information on application, refer to the "Product Information" section in the front of this label and the clomazone label.

Weeds Controlled: Bristly Starbur, Carpetweed, Copperleaf, Florida Beggarweed, Florida Pusley, Galinsoga, Jimsonweed, Knotweed, Lambsquarters, Pigweeds, Prickly Sida/Teaweed, Purslane, Common Ragweed, Redweed, Sesbania, Smartweeds, Spurred Anoda, Velvetleaf, Venice Mallow, Wild Mustards, Barnyardgrass*, Bluegrass, Broadleaf Signalgrass, Crabgrass*, Foxtails (Green, Giant, Yellow*, Robust Purple), Goosegrass, Johnsongrass (seedling)*, Fall Panicum*, Texas Panicum, and witchgrass.

*Refer to clomazone label for use rates on coarse and medium textured soils with high populations of these weeds.

APPLICATION INSTRUCTIONS
AVALAIRE METRIBUZIN 4 F Plus Clomazone Tank Mix Preplant Incorporated Application
(Broadcast Rates)

| 0.5% to 3% ORGANIC MATTER | | |
|---|-----------------------------------|----------------------------|
| SOIL TEXTURE ¹ | AVALAIRE METRIBUZIN 4 F (Pt/Acre) | Clomazone |
| Coarse Soils² (Sandy loam, loamy sand) | 1/2 | See reference ⁴ |
| Medium Soils (Loam, silt loam, silt, sandy clay, sandy clay loam) | 1/2 to 3/4 | See reference ⁴ |
| Fine Soils (Silty clay, silty clay loam ³ , clay, clay loam) | 1/2 to 3/4 | See reference ⁴ |
| Over 3% ORGANIC MATTER | | |
| Coarse Soils² (Sandy loam, loamy sand) | 1/2 | See reference ⁴ |
| Medium Soils (Loam, silt loam, silt, sandy clay, sandy clay loam) | 1/2 to 3/4 | See reference ⁴ |
| Fine Soils (Silty clay, silty clay loam ³ , clay, clay loam) | 3/4 to 1 | See reference ⁴ |

¹Crop injury may occur on soils having a calcareous surface area or a pH of 7.1 or higher.

²Do not use on coarse soils with less than 1% organic matter.

³Silty clay loam soils are transitional soils and may be classified as medium textured soils in some regions of the U.S.

⁴Refer to specific clomazone product label instructions.

AVALAIRE METRIBUZIN 4 F Plus Metribuzin + Chlorimuron Plus a Grass Herbicide
Use Restriction

- Do not use treated vines for feed or forage.

Use Precaution:

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- For additional precautions, restrictions, limitations and sprayer clean-up information, refer to the appropriate sections of the labels for this product and the metribuzin + chlorimuron label.

A tank combination of this product plus metribuzin + chlorimuron plus a registered grass herbicide (metolachlor, pendimethalin, ethalfuralin or trifluralin) may be used for control of the following weeds in soybeans:

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WEEDS CONTROLLED

| <u>Annual Grasses</u> | |
|------------------------------|--------------------------------|
| <u>Barnyardgrass</u> | <u>Johnsongrass (Seedling)</u> |
| <u>Bluegrass</u> | <u>Junglerice</u> |
| <u>Broadleaf Signalgrass</u> | <u>Panicum, Fall</u> |
| <u>Browntop Millet</u> | <u>Panicum, Texas</u> |
| <u>Crabgrass</u> | <u>Sandbur</u> |
| <u>Crowfootgrass</u> | <u>Sprangletop</u> |
| <u>Foxtails</u> | <u>Stinkgrass</u> |
| <u>Goosegrass</u> | |
| <u>Annual Broadleaves</u> | |
| <u>Bristly Starbur</u> | <u>Prickly Sida/Teaweed</u> |
| <u>Carpetweed</u> | <u>Purslane</u> |
| <u>Cocklebur</u> | <u>Ragweed, Common</u> |
| <u>Copperleaf</u> | <u>Redweed</u> |
| <u>Hophornbeam</u> | <u>Russian Thistle</u> |
| <u>Florida Beggarweed</u> | <u>Sesbania</u> |
| <u>Florida Pusley</u> | <u>Shepherdspurse</u> |
| <u>Galinsonga</u> | <u>Smartweeds</u> |
| <u>Jimsonweed</u> | <u>Spurred Anoda</u> |
| <u>Knotweed</u> | <u>Velvetleaf</u> |
| <u>Kochia</u> | <u>Venice Mallow</u> |
| <u>Lambsquarters</u> | <u>Wild Mustard</u> |
| <u>Pigweeds</u> | |

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Annual Grasses

| | | |
|------------------------------|--------------------------------|-----------------------|
| <u>Barnyardgrass</u> | <u>Crowfootgrass</u> | <u>Panicum, Fall</u> |
| <u>Bluegrass</u> | <u>Foxtails</u> | <u>Panicum, Texas</u> |
| <u>Broadleaf Signalgrass</u> | <u>Goosegrass</u> | <u>Sandbur</u> |
| <u>Browntop Millet</u> | <u>Johnsongrass (Seedling)</u> | <u>Sprangletop</u> |
| <u>Crabgrass</u> | <u>Junglerice</u> | <u>Stinkgrass</u> |

Annual Broadleaves

| | | |
|---------------------------|-----------------------------|-----------------------|
| <u>Bristly Starbur</u> | <u>Knotweed</u> | <u>Sesbania</u> |
| <u>Carpetweed</u> | <u>Kochia</u> | <u>Shepherdspurse</u> |
| <u>Cocklebur</u> | <u>Lambsquarters</u> | <u>Smartweed</u> |
| <u>Copperleaf</u> | <u>Pigweed</u> | <u>Spurred Anoda</u> |
| <u>Hophornbeam</u> | <u>Prickly Sida/Teaweed</u> | <u>Velvetleaf</u> |
| <u>Florida Beggarweed</u> | <u>Purslane</u> | <u>Venice Mallow</u> |
| <u>Florida Pusley</u> | <u>Ragweed, Common</u> | <u>Wild Mustard</u> |
| <u>Galinsonga</u> | <u>Redweed</u> | |
| <u>Jimsonweed</u> | <u>Russian Thistle</u> | |

Tank mix combinations which include metolachlor or pendimethalin can be applied preemergence broadcast or preplant incorporated broadcast. When ethalfuralin or trifluralin are used in the tank mix, apply preplant incorporated broadcast. Refer to the table below for rates of each product to be used in tank mix combinations:

APPLICATION INSTRUCTIONS

**AVALAIRE METRIBUZIN 4 F Plus Metribuzin + Chlorimuron Plus a Grass Herbicide
(Broadcast Rates)**

| SOIL TEXTURE ¹ | | | |
|---|----------------------------|----------------------------|----------------------------|
| PRODUCT | COARSE ² | MEDIUM | FINE |
| AVALAIRE METRIBUZIN 4 F (Pt/Acre) | 1/2 | 1/2 to 3/4 ³ | 3/4 to 1 ³ |
| Metribuzin + Chlorimuron | See reference ⁴ | See reference ⁴ | See reference ⁴ |
| Trifluralin | See reference ⁴ | See reference ⁴ | See reference ⁴ |
| Metolachlor | See reference ⁴ | See reference ⁴ | See reference ⁴ |
| Pendimethalin | See reference ⁴ | See reference ⁴ | See reference ⁴ |
| Ethalfuralin | See reference ⁴ | See reference ⁴ | See reference ⁴ |

¹ Do not use on soils with a pH greater than 7.0.

² Refer to "Soil Texture" paragraph on this label for specific soil classification.

³ Use the lower rate of this product in preplant incorporated tank-mix as in those situations where soils within a field vary extremely in texture or organic matter content.

⁴ Refer to specific metribuzin + chlorimuron, trifluralin, metolachlor, pendimethalin, or ethalfuralin product label instructions.

Refer to the "Product Information" section of this label for mixing and application directions.

IMPORTANT: If weeds escape in fields treated with these tank mix combinations, postemergence application of a registered herbicide will be needed for control.

AVALAIRE METRIBUZIN 4 F Plus Clomazone Plus a Grass Herbicide

This product may be applied with clomazone and a grass herbicide (trifluralin, metolachlor, pendimethalin or ethalfuralin) for the control of certain broadleaf weeds and grasses in soybeans. This combination will provide improved control of heavy infestations of velvetleaf, Jimsonweed and common ragweed. This product and clomazone plus a grass herbicide may be applied preplant incorporated broadcast. Consult the clomazone, trifluralin, metolachlor, pendimethalin or ethalfuralin labels for specific directions for use, instructions, restrictions and additional weeds controlled not specified on this label.

Mixing: Refer to the "Product Information" section in the front of this label.

Application: For specific application information, refer to the "Product Information" section in the front of this label.

WEEDS CONTROLLED

| | |
|---------------------------|-------------------------|
| Annual Grasses | |
| Barnyardgrass | Foxtails |
| Bluegrass | Goosegrass |
| Broadleaf Signalgrass | Johnsongrass (Seedling) |
| Browntop Millet | Panicum, Fall |
| Crabgrass | Witchgrass |
| Crowfootgrass | |
| Annual Broadleaves | |
| Bristly Starbur | Purslane |
| Carpetweed | Ragweed, Common |
| Copperleaf | Redweed |
| Hophornbeam | Sesbania |
| Florida Beggarweed | Russian Thistle |
| Florida Pusley | Shepherdspurse |
| Galinsoga | Sicklepod |
| Jimsonweed | Smartweeds |

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|-----------------------|---------------|-------------------------|
| Barnyardgrass | Crabgrass | Johnsongrass (seedling) |
| Bluegrass | Crowfootgrass | Panicum, Fall |
| Broadleaf-signalgrass | Foxtails | Witchgrass |
| Browntop-millet | Geesegrass | |

| | | |
|--------------------|--------------------------|----------------|
| Bristly Starbur | Kochia | Sicklepod |
| Carpetweed | Lambsquarters | Smartweeds |
| Copperleaf | Pigweeds | Spotted spurge |
| Hornbeam | Prickly Sida/Teaweed | Spurred Anoda |
| Florida Beggarweed | Purslane Ragweed, Common | Velvetleaf |
| Florida Pusley | Redweed | Venice mallow |
| Galinsoga | Russian Thistle | Wild Mustards |
| Jimsonweed | Sesbania | |
| Knotweed | Sheperdspurse | |

APPLICATION INSTRUCTIONS

| SOIL TEXTURE ¹ | | | |
|------------------------------------|----------------------------|----------------------------|----------------------------|
| PRODUCT | COARSE ² | MEDIUM | FINE |
| AVALAIRE METRIBUZIN 4 F | | | |
| (Pt/Acre) | 1/2 | 1/2 to 3/4 ² | 3/4 to 1 ² |
| Clomazone | See reference ⁴ | See reference ⁴ | See reference ⁴ |
| Trifluralin | See reference ⁴ | See reference ⁴ | See reference ⁴ |
| Metolachlor | See reference ⁴ | See reference ⁴ | See reference ⁴ |
| Pendimethalin | See reference ⁴ | See reference ⁴ | See reference ⁴ |
| Ethalfuralin | See reference ⁴ | See reference ⁴ | See reference ⁴ |

²The higher rate of this product should be used for the control of sicklepod and hemp sesbania. Use the lower rate of this product in the preplant incorporated tank mix on soils having a calcareous surface area or a pH of 7.5 or higher, and in those situations where soils within a field vary extremely in texture or organic matter content.

³-Higher rate should be used under moderate to heavy weed infestations.

⁴ Refer to clomazone, trifluralin, metolachlor, pendimethalin, or ethalfluralin product label instructions.

This product may be applied with imazaquin herbicide and a grass herbicide (trifluralin, metolachlor, pendimethalin or ethalfluralin) for the control of certain broadleaf weeds and grasses in soybeans. This product and imazaquin plus trifluralin or ethalfluralin may be applied preplant incorporated broadcast. This product and imazaquin plus metolachlor or pendimethalin may be applied preplant incorporated, preemergence broadcast or in a band application.

Consult the imazaquin, trifluralin, metolachlor, pendimethalin or ethalfluralin labels for specific directions for use, instructions, restrictions and additional weeds controlled not specified on this label.

Mixing: Refer to the “Product Information” section in the front of this label.

Application: For specific application information, refer to the “Product Information” section in the front of this label.

Weeds Controlled: This product plus Imazaquin plus trifluralin, metolachlor, pendimethalin or ethalfluralin will control the following broadleaf weeds and grasses:

WEEDS CONTROLLED

| | |
|----------------------------------|--------------------------------|
| Annual Grasses | |
| <u>Barnyardgrass</u> | <u>Foxtails</u> |
| <u>Bluegrass</u> | <u>Goosegrass</u> |
| <u>Broadleaf Signalgrass</u> | <u>Johnsongrass (Seedling)</u> |
| <u>Browntop Millet</u> | <u>Panicum, Fall</u> |
| <u>Crabgrass</u> | <u>Witchgrass</u> |
| <u>Crowfootgrass</u> | |
| Annual Broadleaves | |
| <u>Bristly Starbur</u> | <u>Pigweed</u> |
| <u>Buffalobur</u> | <u>Prickly Sida/Teaweed</u> |
| <u>Carpeweed</u> | <u>Purslane</u> |
| <u>Cocklebur</u> | <u>Ragweed, Common</u> |
| <u>Coffee Senna</u> | <u>Redweed</u> |
| <u>Copperleaf</u> | <u>Russian Thistle</u> |
| <u>Hophornbeam</u> | <u>Sesbania</u> |
| <u>Florida Beggarweed</u> | <u>Shepherdspurse</u> |
| <u>Florida Pusley</u> | <u>Sicklepod</u> |
| <u>Galinsoga</u> | <u>Smartweeds</u> |
| <u>Jimsonweed</u> | <u>Spotted spurge</u> |
| <u>Knotweed</u> | <u>Spurred Anoda</u> |
| <u>Kochia</u> | <u>Sunflower</u> |
| <u>Lambsquarters</u> | <u>Velvetleaf</u> |
| <u>Morningglory, pitted</u> | <u>Venice Mallow</u> |
| <u>Morningglory, smallflower</u> | <u>Wild Mustard</u> |

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Annual Grasses

| | | |
|-----------------------|---------------|--------------------------|
| Barnyardgrass | Crabgrass | Johnson-grass (seedling) |
| Bluegrass | Crowfootgrass | Panicum, Fall |
| Broadleaf-signalgrass | Foxtails | Witchgrass |
| Browntop-Millet | Goosegrass | |

Annual Broadleaves

| | | |
|--------------------|----------------------------|----------------|
| Bristly-Starbur | Knotweed | Sesbania |
| Buffalobur | Kochia | Sheperdspurse |
| Carpeweed | Lambsquarters | Sicklepod |
| Cocklebur | Morningglory, pitted | Smartweeds |
| Coffee-Senna | Morningglory, small-flower | Spotted-spurge |
| Copperleaf | Pigweeds | Spurred-Anoda |
| Hophornbeam | Prickly-Sida/Teaweed | Sunflower |
| Florida-Beggarweed | Purslane | Velvetleaf |
| Florida-Pusley | Ragweed, Common | Venice-mallow |
| Galinsoga | Redweed | Wild-mustards |
| Jimsonweed | Russian-Thistle | |

This product and imazaquin plus trifluralin, metolachlor, pendimethalin or ethalfluralin will suppress (reduce the competition of) ivyleaf and tall morningglory, and red rice.

**AVALAIRE METRIBUZIN 4 F PLUS IMAZAQUIN PLUS A GRASS HERBICIDE
(BROADCAST RATES)**

| PRODUCT | SOIL TEXTURE ¹ | | |
|---|----------------------------|----------------------------|----------------------------|
| | COARSE ² | MEDIUM | FINE |
| AVALAIRE METRIBUZIN 4 F (Pt/Acre) | 1/2 | 1/2 to 3/4 ² | 3/4 to 1 ² |
| Imazaquin | See reference ⁴ | See reference ⁴ | See reference ⁴ |
| Trifluralin | See reference ⁴ | See reference ⁴ | See reference ⁴ |
| Metolachlor | See reference ⁴ | See reference ⁴ | See reference ⁴ |
| Pendimethalin | See reference ⁴ | See reference ⁴ | See reference ⁴ |
| Ethalfluralin | See reference ⁴ | See reference ⁴ | See reference ⁴ |

¹Refer to "Soil Texture" paragraph on this label for specific soil classification. On coarse textured soils **with a calcareous surface area or a pH of 7.5 or higher**, do not use on loamy sand or sandy loam soils with less than 1% organic matter.

²The higher rate of this product should be used for preemergence tank mix application and for the control of sicklepod and hemp sesbania. Use the lower rate of **AVALAIRE METRIBUZIN 4 F** in the preplant incorporated tank mix **on soils having a calcareous surface area or a pH of 7.5 or higher**, and in those situations where soils within a field vary extremely in texture or organic matter content.

³Higher rate should be used under moderate to heavy weed infestations.

⁴Refer to specific imazaquin, trifluralin, metolachlor, pendimethalin, or ethalfluralin product label instructions.

AVALAIRE METRIBUZIN 4 F PLUS IMAZETHAPYR AND A GRASS HERBICIDE

AVALAIRE METRIBUZIN 4 F may be tank mixed with an imazethapyr herbicide and a registered grass herbicide (metolachlor, pendimethalin, ethalfluralin or trifluralin) for control of certain broadleaf and grass weeds in soybeans. Refer to the product labels for imazethapyr, metolachlor, pendimethalin, ethalfluralin or trifluralin for additional directions for use, instructions, restrictions and limitations not included on this label.

Tank mix combinations of **AVALAIRE METRIBUZIN 4 F**, imazethapyr and metolachlor, or pendimethalin can be applied broadcast preemergence or preplant incorporated. When the grass herbicide used is ethalfluralin or trifluralin, apply the tank mix broadcast preplant incorporated.

Mixing and Application: Refer to the Product Information section of this label for directions on mixing and application of **AVALAIRE METRIBUZIN 4 F**.

**APPLICATION INSTRUCTIONS
AVALAIRE METRIBUZIN 4 F Plus Imazethapyr and a Grass Herbicide***

| Soil Texture | AVALAIRE METRIBUZIN 4 F Pt/Acre | Imazethapyr |
|---------------------|------------------------------------|----------------------------|
| Coarse Soils | 1/2 | See reference ¹ |
| Medium Soils | 3/5 to 3/4 | See reference ¹ |
| Fine Soils | 3/4 to 1 | See reference ¹ |

*For control of grass weeds include metolachlor, pendimethalin, ethalfluralin or trifluralin at label rates in the tank mix with **AVALAIRE METRIBUZIN 4 F** and imazethapyr herbicides.

¹ Refer to specific imazethapyr label instructions.

Restrictions: Do not apply this tank mix with aerial or irrigation equipment. Do not apply when weather conditions favor drift, or allow sprays to drift on to adjacent desirable plants. Do not use treated vines for

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feed or forage. Refer to appropriate sections of the Imazethapyr herbicide label for restrictions on use area and rotational crops.

AVALAIRE METRIBUZIN 4 F PLUS IMAZETHAPYR PLUS HERBICIDE

Mixing and Application: Refer to the *Product Information* section of this label for directions on mixing and application of **AVALAIRE METRIBUZIN 4 F**.

APPLICATION INSTRUCTIONS

AVALAIRE METRIBUZIN 4 F Plus Imazethapyr (Broadcast Rates)

| Soil Texture | AVALAIRE METRIBUZIN 4 F Pt/Acre | Imazethapyr |
|--------------|------------------------------------|----------------------------|
| Coarse Soils | 1/2 | See reference ¹ |
| Medium Soils | 3/5 to 3/4 | See reference ¹ |
| Fine Soils | 3/4 to 1 | See reference ¹ |

¹Refer to specific imazethapyr label instructions.

Restrictions:

- Do not apply this tank mix with aerial or irrigation equipment. Do not apply when weather conditions favor drift, or allow sprays to drift on to desirable plants.
- Do not use treated vines for feed or forage.
- Refer to appropriate sections of the imazethapyr label for restrictions on use area and rotational crops.

AVALAIRE METRIBUZIN 4 F PLUS LINURON PLUS METOLACHLOR

Tank Mix Application: **AVALAIRE METRIBUZIN 4 F** may be applied in combination with linuron and metolachlor as a preemergence application for the control of certain weeds in soybeans. Consult the linuron or metolachlor labels for specific directions for use, instructions, restrictions and any additional weeds not specified on this label.

Mixing: Refer to the "Product Information" section in the front of this label.

Application: Applications can be made only with ground spray equipment in accordance with specified soil types and dosage rates. For specific application information, refer to the "Product Information" section in the front of this label.

AVALAIRE METRIBUZIN 4 F Plus Linuron Plus Metolachlor

Broadcast Rates (0.5 to 3% Organic Matter Only)

| SOIL TEXTURE | | | |
|---|---|---------------------------------------|--|
| PRODUCT | COARSE ¹ (Sandy, loamy sand, sandy loam) | MEDIUM (Loam, silt loam, silt, sandy) | FINE (Silty clay, sandy clay loam, clay, silty clay loam ² , clay, clay loam) |
| AVALAIRE METRIBUZIN 4 F (Pt/Acre) | 1/4 to 3/8 | 3/8 to 1/2 | 1/2 to 3/4 |
| Linuron | See reference ³ | See reference ³ | See reference ³ |
| Metolachlor | See reference ³ | See reference ³ | See reference ³ |

¹Do not use **AVALAIRE METRIBUZIN 4 F** plus linuron plus (alachlor or metolachlor) on sand soils with less than 1% organic matter.

²Silty clay loam soils are transitional soils and may be classified as medium textured soils in some regions of the U.S.

³Refer to specific linuron or metolachlor product label instructions.

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PRECAUTIONS (AVALAIRE METRIBUZIN 4 F plus Linuron plus Metolachlor): For additional precautions, restrictions, limitations, and sprayer clean-up information, refer to the appropriate sections of this label and the linuron label and the metolachlor labels.

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FOR USE IN COARSE (LIGHT) SOILS IN Alabama, Arkansas, Florida, Georgia, Louisiana, Mississippi, Missouri, North Carolina, Oklahoma, South Carolina, Tennessee, Texas, and Virginia.

AVALAIRE METRIBUZIN 4 F herbicide may be used alone or in combination with trifluralin or metolachlor for use in coarse-textured, low organic matter soils in the states listed above for the control of certain weeds in soybeans. Refer to the appropriate sections of this label and the trifluralin or metolachlor labels for specific directions for use, instructions, restrictions and any additional weeds not specified on this label.

Mixing: Refer to the "Product Information" section in the front of this label.

Application: For specific application information, refer to the *Product Information* section in the front of this label.

AVALAIRE METRIBUZIN 4 F (Alone) Preemergence Application (Broadcast Rates)

| SOIL TEXTURE | ORGANIC MATTER | AVALAIRE METRIBUZIN 4 F Pt/Acre |
|--|----------------|------------------------------------|
| Coarse (Light) Soils | | |
| Sand ¹ , Loamy Sand, Sandy Loam | 0.5% or Above | 1/2 to 3/4 ² |

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¹ Do not use on sand with less than 1% organic matter.

² Use the higher rate under heavy weed pressures and/or on soils higher in organic matter.

AVALAIRE METRIBUZIN 4 F in Combination with Other Herbicides: AVALAIRE METRIBUZIN 4 F may be used in a tank mix combination with trifluralin as a preplant incorporated application or as a preemergence overlay application following a preplant incorporated application of trifluralin. AVALAIRE METRIBUZIN 4 F may also be used as a preemergence application in combination with metolachlor.

Use Restrictions:

- Do not use on sand soils with less than 1% organic matter, or on sandy loam or loamy sand soils with less than 0.5% organic matter.

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- For additional precautions, restrictions, limitations and sprayer clean-up information, refer to the appropriate sections of this label and the trifluralin, alachlor or metolachlor labels.

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BURNDOWN WEED CONTROL - FIELD CORN AND SOYBEANS

AVALAIRE METRIBUZIN 4 F can be used as part of an herbicide program for burndown of existing vegetation prior to crop emergence in conservation tillage systems. AVALAIRE METRIBUZIN 4 F may be tank mixed with 2,4-D low volatile ester (LVE), paraquat, or glyphosate for control of emerged weeds prior to field corn or soybean emergence.

AVALAIRE METRIBUZIN 4 F tank mixes with 2,4-D, fluazifop-P-butyl + fenoxaprop-P-ethyl, sethoxydim or clethodim may also be used in soybeans for control of emerged weeds prior to crop emergence. AVALAIRE METRIBUZIN 4 F burndown tank mixes can be applied before planting or prior to crop emergence in the following areas:

Field Corn:

Illinois, Indiana, Iowa, Kansas, Kentucky, Michigan, Minnesota, Missouri, Nebraska, Ohio, South Dakota, and Wisconsin

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Soybeans:

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All areas for all products except fluazifop-P-butyl + fenoxaprop-P-ethyl tank mixes - see fluazifop-P-butyl + fenoxaprop-P-ethyl section of this label for specified states.

Application: **AVALAIRE METRIBUZIN 4 F** may be applied up to 30 days prior to planting or preemergence. Apply only by ground equipment when **AVALAIRE METRIBUZIN 4 F** is used for burndown of existing vegetation in conservation tillage systems. **AVALAIRE METRIBUZIN 4 F** and tank mix partner burndown rates are listed in the following three tables.

AVALAIRE METRIBUZIN 4 F BURNDOWN RATES-FIELD CORN AND SOYBEANS

| CROPS | APPLICATION TIMING | AVALAIRE METRIBUZIN 4 F RATE (Pt/A) |
|--|--------------------------|-------------------------------------|
| Field corn Iowa Kansas Missouri Nebraska South Dakota | Preplant (0 to 30 days) | 3 to 8 |
| | Preemergence | |
| Field corn Illinois Indiana Kentucky Michigan Minnesota Ohio Wisconsin | Preplant (10 to 30 days) | 3 to 8 |
| | Preplant (0 to 9 days) | 3 to 6 |
| | Preemergence | |
| | | |
| Soybeans | Preplant (0 to 30 days) | 3 to 8 |
| | Preemergence | |

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AVALAIRE METRIBUZIN 4 F PLUS TANK MIX PARTNER BURNDOWN RATES-FIELD CORN OR SOYBEANS

| PRODUCT | RATE | DIRECTIONS AND APPLICATION INSTRUCTIONS |
|--|---|---|
| AVALAIRE METRIBUZIN 4 F + 2,4-D | 3 to 8 fl oz/A* + See reference ¹ | In soybeans, apply as per specific 2,4-D label instructions. Include crop oil concentrate (COC) at the rate of 1 gal/100 gal of spray solution (1% v/v). In corn, apply at least 7 days preplant or at least 3 days after planting but before corn emergence. |
| AVALAIRE METRIBUZIN 4 F + Paraquat | 3 to 8 fl oz/A* + See reference ¹ | Must be applied prior to crop emergence. Refer to specific paraquat label for use rates. Apply in 20 to 60 gallons of water per acre. Include either nonionic surfactant at 1 quart per 100 gallons (0.25% v/v) or crop oil concentrate at 1 gallon per 100 gallons (1% v/v) of spray solution. |
| AVALAIRE METRIBUZIN 4 F + Paraquat + 2, 4-D | 3 to 8 fl oz/A* + See reference ¹ + See reference ¹ | For this tank mix follow the Directions and Remarks Sections above for AVALAIRE METRIBUZIN 4 F + 2,4-D and AVALAIRE METRIBUZIN 4 F + paraquat, paying special attention to crop planting restrictions with 2, 4-D. Include either nonionic surfactant or crop oil concentrate in this tank mix. |

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|--|---|--|
| AVALAIRE METRIBUZIN 4 F + Glyphosate | 3 to 8 fl oz/A* + See reference ¹ | Must be applied prior to crop emergence. Use the higher rates as weeds approach the maximum weed heights listed in the Weeds Controlled section below. Apply in 10 to 20 gallons of water per acre. With glyphosate, include nonionic surfactant at 2 quarts per 100 gallons (0.5% v/v) and ammonium sulfate (spray grade) at 17 pounds per 100 gallons of spray solution. With glyphosate, include ammonium sulfate (spray grade) at 17 pounds per 100 gallons of spray solution. Any glyphosate formulation registered and labeled for use in field corn or soybeans may be tank mixed with AVALAIRE METRIBUZIN 4 F . |
| AVALAIRE METRIBUZIN 4 F + Glyphosate + 2, 4-D | 3 to 8 fl oz/A* + See reference ¹ + See reference ¹ | For this tank mix follow the Directions and Remarks Sections above for AVALAIRE METRIBUZIN 4 F + 2, 4-D and AVALAIRE METRIBUZIN 4 F + Glyphosate, paying special attention to planting restrictions with 2, 4-D. Use the adjuvant recommendations under the AVALAIRE METRIBUZIN 4 F + Glyphosate tank mix. Do not use crop oil concentrate. |

*If applied to field corn grown in Illinois, Indiana, Kentucky, Michigan, Minnesota, Ohio and Wisconsin, refer to **AVALAIRE METRIBUZIN 4 F BURNDOWN RATE-FIELD CORN AND SOYBEANS** for correct dosage of this product rate based on application timing.

¹Refer to specific 2,4-D, paraquat, or glyphosate product label instructions.

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AVALAIRE METRIBUZIN 4 F PLUS TANK MIX PARTNER BURNDOWN RATES - FIELD CORN OR SOYBEANS

| PRODUCT | RATE | DIRECTIONS AND APPLICATION INSTRUCTIONS |
|---|--|--|
| AVALAIRE METRIBUZIN 4 F + 2,4-D | 3 to 8 fl oz/A + See reference ¹ | Apply preplant or before soybean emergence. Include nonionic surfactant at 2 quarts per 100 gallons (0.5% v/v) of spray solution. |
| AVALAIRE METRIBUZIN 4 F + Fluazifop-P-butyl + fenoxaprop-P-ethyl + 2, 4-D | 3 to 8 fl oz/A + See reference ¹ + See reference ¹ | For use in Delaware, Illinois, Indiana, Iowa, Kansas, Kentucky, Maryland, Michigan, Minnesota, Missouri, Nebraska, North Dakota, Ohio, Pennsylvania, South Dakota, Virginia, West Virginia, and Wisconsin. For this tank mix follow the planting restrictions under the Directions and Remarks Section above for AVALAIRE METRIBUZIN 4 F + 2, 4-D. Refer to fluazifop-P-butyl + fenoxaprop-P-ethyl label for rates and control. Include either crop oil concentrate at 1 gallon per 100 gallons (1.0% v/v) or nonionic surfactant at 1 to 2 quarts per 100 gallons (0.25 – 0.5% v/v) of spray solution. Refer to the fluazifop-P-butyl + fenoxaprop-P-ethyl label for additional information. |

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| AVALAIRE METRIBUZIN 4 F + Glyphosate + 2, 4-D | 3 to 8 fl oz/A | For this tank mix follow the Directions and Remarks Sections above for AVALAIRE METRIBUZIN 4 F + 2, 4-D and AVALAIRE METRIBUZIN 4 F + Glyphosate, paying special attention to planting restrictions with 2, 4-D. Use the adjuvant recommendations under the AVALAIRE METRIBUZIN 4 F + Glyphosate tank mix. Do not use crop oil concentrate. |
| | + See reference ¹ | |
| | + See reference ¹ | |
| AVALAIRE METRIBUZIN 4 F + Clethodim + 2, 4-D | 3 to 8 fl oz/A | For this tank mix follow the planting restrictions under the Directions and Remarks Section above for AVALAIRE METRIBUZIN 4 F + 2, 4-D. Refer to the clethodim label for specific rates and control. Include crop oil concentrate at the rate of 1 quart per acre and 28% UAN (area ammonium nitrate) at a rate of 1-2 quarts per acre. Refer to the clethodim label for additional information. |
| | + See reference ¹ | |
| | + See reference ¹ | |

¹ Refer to specific 2,4-D, Fluazifop-P-butyl + fenoxaprop-P-ethyl, glyphosate, or clethodim product label instructions.

Use Restrictions: Do not apply these treatments after crop emergence. Observe all precautions and limitations on the labeling of all products used in tank mixtures. Refer to the Product Information section of this label for additional information, restrictions, and limitations.

Field Corn:

- Do not apply on coarse textured soils with less than 1.5% organic matter.
- Do not apply more than 6 fl oz of **AVALAIRE METRIBUZIN 4 F** per acre on soils with less than 2% organic matter.
- Do not apply on soils having pH 7.0 or greater.
- Do not apply more than 8 fl oz **AVALAIRE METRIBUZIN 4 F** (0.25 pound active ingredient) per acre per growing season.
- Plant corn seed a minimum of 1-1/2 inches deep.
- AVALAIRE METRIBUZIN 4 F** may only be used in hybrid seed corn production fields if both inbred parents are known to be tolerant to **AVALAIRE METRIBUZIN 4 F**.

Soybeans:

- Apply only 2,4-D low volatile ester formulations which are registered for preplant or burndown use in soybeans.
- Do not apply tank mixtures containing 2,4-D if wind is blowing toward desired susceptible plants (i.e. cotton, tobacco, tomato, etc.) or when wind speeds exceed 6 miles per hour.

Feeding restrictions. Corn treated with **AVALAIRE METRIBUZIN 4 F** may be harvested for silage or grain 60 days after treatment. Soybean vines or hay treated with **AVALAIRE METRIBUZIN 4 F** may be grazed or fed to livestock 40 days after application. Do not feed hay, forage, fodder or graze 2,4-D, clethodim, or fluazifop-P-butyl + fenoxaprop-P-ethyl treated vegetation. Follow the most restrictive preharvest interval of all products used in a tank mixture.

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^a Refer to 2,4-D label for application rate per acre.
^b Refer to glyphosate label for application rate per acre.
^c Use **AVALAIRE METRIBUZIN 4 F** at 6 fl oz/A for optimum control.
^d Suppression only.
* Does not control triazine resistant biotypes.

WEEDS CONTROLLED BY BURNDOWN RATES OF AVALAIRE METRIBUZIN 4 F

| WEEDS CONTROLLED | AVALAIRE METRIBUZIN 4 F PLUS | | | | | |
|----------------------------------|--------------------------------|---------------------|--------------------|---|---------------------|----------|
| | 2, 4-D | Sethoxydim + 2, 4-D | Clethodim + 2, 4-D | Fluazifop-P-butyl + fenoxaprop-P-ethyl + 2, 4-D | Glyphosate + 2, 4-D | Paraquat |
| MAXIMUM BURNDOWN HEIGHT (INCHES) | | | | | | |
| ANNUAL GRASSES | | | | | | |
| Barley | Does not control these species | - | - | - | 8 | 4 to 6 |
| Barnyardgrass | | 2 to 3 | 3 to 4 | - | 6 | 4 to 6 |
| Crabgrass spp. | | 2 to 3 | - | - | 6 | 4 to 6 |
| Foxtail spp. | | 2 to 3 | 3 to 4 | 2 to 6 | 8 | 4 to 6 |
| Johnsongrass, seeding | | 2 to 3 | - | - | 8 | 4 to 6 |
| Panicum, fall | | 2 to 3 | 3 | 2 to 6 | 6 | 4 to 6 |
| Sandbur, field | | - | - | - | 8 | 4 to 6 |
| Shattercane | | 2 to 3 | - | - | 8 | 4 to 6 |
| Wheat, volunteer | | - | - | - | 6 | 4 to 6 |
| Witchgrass | | 2 to 3 | - | - | 6 | 4 to 6 |

RESIDUAL WEED CONTROL

AVALAIRE METRIBUZIN 4 F burndown programs can be used as part of a full season weed control program in both field corn and soybeans when, 1) applied as a tank mixture with residual herbicides, or 2) followed with a postemergence weed control program, which is registered for use on that crop.

For residual control, this product burndown programs may include tank mixes with the following herbicides or combination of herbicides:

Field Corn

| | |
|----------------------------------|--|
| Acetochlor | <u>Flumetsulam + Clopyralid</u> |
| Acetochlor + Atrazine | <u>Hydrogen peroxide + ethaneperoxoic acid</u> |
| Atrazine | <u>Imazethapyr^a</u> |
| Atrazine + S-metolachlor | <u>Imazethapyr + Pendimethalin^a</u> |
| Dicamba | <u>Linuron</u> |
| Dicamba + Atrazine | <u>Metolachlor</u> |
| <u>Dimethenamid</u> | <u>Pendimethalin</u> |
| <u>Dimethenamid + Atrazine</u> | <u>Simazine</u> |
| <u>Flumetsulam + Metolachlor</u> | <u>S-metolachlor Dimethenamid</u> |
| | <u>Dimethenamid + Atrazine</u> |
| | <u>Flumetsulam + Metolachlor</u> |
| | <u>Flumetsulam + Clopyralid</u> |
| | <u>Hydrogen peroxide + ethaneperoxoic acid</u> |
| | <u>Imazethapyr^a</u> |

^aUse only imazethapyr resistant/tolerant corn hybrids.

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Soybeans

| | |
|-----------------------------|-----------------------------|
| Clomazone | Imazethapyr + pendimethalin |
| Dimethenamid | Linuron |
| Flumetsulam + Metolachlor | Metolachlor |
| Imazaquin | Metribuzin + Chlorimuron |
| Imazethapyr | Metribuzin + Metolachlor |
| Imazethapyr + pendimethalin | Metribuzin ^b |
| Linuron | Pendimethalin |
| | Pendimethalin + Imazaquin |
| | S-metolachlor |

^b AVALAIRE METRIBUZIN 4 F used (alone and in tank-mixes) on soybeans at higher labeled rates than those listed burndown weed control will also provide residual control of those listed for burndown weed control will also provide residual control of those weeds listed in the *Weeds Controlled by AVALAIRE METRIBUZIN 4 F* and *AVALAIRE METRIBUZIN 4 F Tank Mix Combinations* section of the *AVALAIRE METRIBUZIN 4 F* label.

Refer to the individual product labels for additional information, restrictions, and limitations.

SOUTHERN AND SOUTHEASTERN STATES ONLY POSTEMERGENCE DIRECTED SPRAY APPLICATIONS

AVALAIRE METRIBUZIN 4 F can be applied in postemergence directed sprays to soybeans for control of certain weeds which escape preplant or preemergence herbicide applications and for control of additional flushes of weeds that may occur after soybeans have emerged. Postemergence directed sprays of AVALAIRE METRIBUZIN 4 F can be applied to soybeans in addition to a preemergence or preplant application of AVALAIRE METRIBUZIN 4 F herbicide according to label directions.

Weeds Controlled: AVALAIRE METRIBUZIN 4 F, applied postemergence to soybeans as a directed spray according to directions on this label, will control the following at rates shown (broadcast basis) when grasses and common ragweed are less than 1-inch tall and other broadleaves are less than 3-inches tall:

| 1/2 Pt/Acre | |
|--|---|
| Florida beggarweed (<i>Desmodium tortuosum</i>) | Mexicanweed (<i>Caperonia castaneifolia</i>) |
| Pigweeds (<i>Amaranthus</i> spp.) | Purslane (<i>Portulaca oleracea</i>) |
| Carpetweed (<i>Mollugo verticillata</i>) | Sicklepod (<i>Cassia obtusifolia</i>) |
| Cocklebur (<i>Xanthium pensylvanicum</i>) | Velvetleaf (<i>Abutilon theophrasti</i>) |
| Dayflower (<i>commelina</i> spp.) | Crabgrass (<i>Digitaria</i> spp.) |
| 1/2 to 1 Pt/Acre | |
| Sesbania (<i>Sesbania</i> spp.) | Prickly sida/Teawood (<i>Sida spinosa</i>) |

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| | 1 Pt/Acre |
| Ragweed, common (<i>Ambrosia artemisiifolia</i>) | |

At the rate of 1/2 pt/acre morningglory species, (Ipomoea spp.) horsenettle, (Solanum spp.) Florida pusley, (Richardia scabra) spotted spurge (Euphorbia maculata) and wild poinsettia (Euphorbia heterophylla) are suppressed when **AVALAIRE METRIBUZIN 4 F** is applied before these weeds are 3 inches tall. The 1 pt/acre rate will suppress broadleaf signalgrass (Brachiaria platyphylla) up to 1 inch tall.

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AVALAIRE METRIBUZIN 4 F POSTEMERGENCE DIRECTED SPRAY

APPLICATION INSTRUCTIONS

| CROP | AVALAIRE METRIBUZIN 4 F Pt/Acre | APPLICATION INSTRUCTIONS |
|---|------------------------------------|---|
| Soybeans (Alabama, Arkansas, Florida, Georgia, Kentucky, Louisiana, Mississippi, Missouri, North Carolina, Oklahoma, South Carolina, Tennessee and Texas) | 1/2 to 1 (Broadcast Basis) | <p><u>Apply proper dosage using 10 to 40 gallons of water per acre as a directed spray in a 6 to 8 inch band on each side of the row after soybeans are 8 inches tall and before broadleaf weeds are 3 inches tall and before grasses and common ragweed are 1 inch tall. For best results, the spray must cover weed foliage with minimum or no contact with soybean foliage. Add a nonionic surfactant such as Ortho X-77 to the spray mixture to obtain better wetting of weed leaf surfaces. To determine the correct dosage of AVALAIRE METRIBUZIN 4 F for a band application see "Banded Application" under the Product Information section in the front of this label.</u></p> <p><u>If necessary, a second postemergence directed spray application can be made after 7 days.</u></p> <p><u>Do not feed or graze green soybean vines. Do not harvest soybeans or use dry soybean vines for feed or forage within 70 days of last application.</u></p> |

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Apply proper dosage using 10 to 40 gallons of water per acre as a directed spray in a 6 to 8 inch band on each side of the row after soybeans are 8 inches tall and before broadleaf weeds are 3 inches tall and before grasses and common ragweed are 1 inch tall. For best results, the spray must cover weed foliage with minimum or no contact with soybean foliage. Add a nonionic surfactant such as Ortho X-77 to the spray mixture to obtain better wetting of weed leaf surfaces. To determine the correct dosage of AVALAIRE METRIBUZIN 4 F for a band application see "Banded Application" under the Product Information section in the front of this label.

If necessary, a second postemergence directed spray application can be made after 7 days.

Do not feed or graze green soybean vines. Do not harvest soybeans or use dry soybean vines for feed or forage within 70 days of last application.

Use Restrictions (Directed Postemergence): Do not apply directly to soybeans or serious crop injury will occur. Do not allow spray to contact more than the lower 1/4 to 1/3 of soybean plants. Soybean leaves contacted by the spray will be killed. Do not apply **AVALAIRE METRIBUZIN 4 F** postemergence to sensitive soybean varieties. See **Special Precautions** in the front of this label.

To avoid injury to other crops or desirable plants from spray drift, sprayer pressure must not exceed 30 psi and the sprayer must be fitted with nozzles no smaller than 8002 T-Jet (or equivalent). Do not apply under weather conditions which favor drift.

SUGARCANE

Use Restrictions:

- For aerial and chemigation application methods on sugarcane the maximum application rate is 4 pts **AVALAIRE METRIBUZIN 4 F**/acre (2.0 lbs ai/A).
- To assure that spray will not adversely affect adjacent sensitive nontarget plants, apply this product by aircraft at a minimum upwind distance of 400 ft. from sensitive plants.
- Do not rotate any crop not listed on this label for 18 months following application of **AVALAIRE METRIBUZIN 4 F**. Refer to the Crop Rotation Restrictions section of this label for more information.

SUGARCANE (Hawaii Only)

AVALAIRE METRIBUZIN 4 F, a selective herbicide, is effective as a preemergence and an early postemergence broadcast application for control of certain grass and broadleaf weeds. When applied as a spot treatment, it also provides excellent control of perennial grasses and broadleaves.

Ground Application: **AVALAIRE METRIBUZIN 4 F** should be mixed by filling the spray tank half full of clean water. Then add the specified amount of this product to suit the total tank capacity and the rate of application per acre (preferably 25 to 35 gallons per acre). Complete filling the tank and maintain sufficient agitation during mixing and spraying to insure a uniform spray mixture.

Aerial Application: **AVALAIRE METRIBUZIN 4 F** may be used in aerial spray equipment as a preemergence or postemergence application to irrigated sugarcane. Aerial spray equipment should be calibrated to apply the proper amount of **AVALAIRE METRIBUZIN 4 F** in 7 to 10 gallons of spray mixture per acre.

AVALAIRE METRIBUZIN 4 F applied preemergence or postemergence to the sugarcane as a broadcast spray or spot treatment will effectively control the following when weeds are less than 3 inches in height.

| <u>Weeds Controlled in Irrigated and Non-irrigated Sugarcane</u> | |
|--|---|
| <u>Broadleaves</u> | |
| Amaranth, Spleen (<i>Amaranthus dubius</i>) | Hilahlila (<i>Mimosa pudica</i>) |
| Haole Koa (<i>Leucaena leucocephala</i>) | Purslane, Common (<i>Portulaca oleracea</i>) |
| Hialoa (<i>Valtheria americana</i>) | Rattlepod (<i>Crotalaria spectabilis</i>) |
| <u>Grasses</u> | |

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| | |
|---|--|
| Alexandergrass (<i>Brachiaria plantaginea</i>) | Bristly foxtail (<i>Setaria verticillata</i>) |
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| Weeds Controlled in-irrigated Sugarcane Only | |
|--|---|
| Broadleaves | |
| Ageratum (<i>ageratum conyzoides</i>) | Tarweed (<i>Cuphea carthagenensis</i>) |
| Richardia (<i>Richardia brasiliensis</i>) | |

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Weeds Controlled in Irrigated and Non-irrigated Sugarcane

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Broadleaves

| | |
|--|---|
| Amaranth, Spleen (<i>Amaranthus dubius</i>) | Hilahila (<i>Mimosa pudica</i>) |
| Haole Koa (<i>Leucaena leucocephala</i>) | Purslane, Common (<i>Portulaca oleracea</i>) |
| Hialoa (<i>Waltheria americana</i>) | Rattlepod (<i>Crotalaria spectabilis</i>) |

Grasses

| | |
|---|--|
| Alexandergrass (<i>Brachiaria plantaginea</i>) | Bristly foxtail (<i>Setaria verticillata</i>) |
|---|--|

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Weeds Controlled in-irrigated Sugarcane Only

Broadleaves

| | |
|--|---|
| Ageratum (<i>ageratum conyzoides</i>) | Tarweed (<i>Cuphea carthagenensis</i>) |
| Richardia (<i>Richardia brasiliensis</i>) | |

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SUGARCANE (HAWAII ONLY)

BROADCAST APPLICATION INSTRUCTIONS

| AVALAIRE METRIBUZIN 4 F Pt/Acre | APPLICATION INSTRUCTIONS |
|---|---|
| 4 to 8 (1/2 to 1 gal) (non-irrigated) | Preemergence (Irrigated and non-irrigated sugarcane): Apply specified dosage per acre as a broadcast spray to the soil surface. Applications should be made within two weeks after planting prior to cane emergence or shortly after emergence (spike stage). OR Early Postemergence (Irrigated and non-irrigated sugarcane): Apply specified dosage per acre as a broadcast spray over the cane. Application may be delayed as long as 4 to 6 weeks after planting provided weeds are less than 3 inches in height. |
| 8 to 12 (1 to 1-1/2 gal) (irrigated) | |
| 4 to 8 (1/2 to 1 gal) | OR Postemergence: Apply specified dosage per acre as a broadcast spray to control weeds prior to "close in" time when cane shades out the weed growth. |
| 5 to 10 (1-1/8 to 1-1/4 gal) | Spot Treatment: Apply specified dosage in 30 to 50 gallons of finished spray acre. Spot treatments may |

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| | be used to control weeds in missed areas, corners of fields, or areas of hard to control weeds. |
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NOTE: Do not apply more than 16 pts (2 gal) of **AVALAIRE METRIBUZIN 4 F** (8 lb active ingredient)/acre per year regardless of the method of application. The last application may be made up to 17 months of harvest.

Use Restrictions:

- Do not use treated foliage for feed or forage.
- Pre-harvest Interval (PHI): Do not apply within 17 months of harvest.

SUGARCANE (Louisiana and Texas Only)

~~Preemergence and postemergence applications of AVALAIRE METRIBUZIN 4 F with aerial or ground spray equipment may be used for control of the following weeds in sugarcane in Louisiana and Texas~~

| <u>Preemergence and postemergence applications of AVALAIRE METRIBUZIN 4 F with aerial or ground spray equipment may be used for control of the following weeds in sugarcane in Louisiana and Texas</u> | | |
|--|--|--|
| Broadleaves | | |
| Amaranth, Spiny (<i>Amaranthus spinosus</i>) | Marestail (<i>Conyza canadensis</i>) | Marestail (<i>Conyza canadensis</i>) |
| Bindweed, Field (<i>Convolvulus arvensis</i>) | Mustard, Wild (<i>Brassica kaber</i>) | Mustard, Wild (<i>Brassica kaber</i>) |
| Chickweed (<i>Cerastium vulgatum</i>) | Pigweeds (<i>Amaranthus</i> spp.) | Pigweeds (<i>Amaranthus</i> spp.) |
| Henbit (<i>Lamium amplexicaule</i>) | Purslane (<i>Portulaca oleracea</i>) | Purslane (<i>Portulaca oleracea</i>) |
| Lambsquarters (<i>Chenopodium album</i>) | Sowthistle (<i>Sonchus</i> spp.) | Sowthistle (<i>Sonchus</i> spp.) |
| London rocket (<i>Sisymbrium irio</i>) | | |
| Grasses | | |
| Broadleaf Signalgrass (<i>Brachiaria platyphylla</i>) | Johnsongrass, Seedling (<i>Sorghum halepense</i>) | Johnsongrass, Seedling (<i>Sorghum halepense</i>) |
| Crabgrass (<i>Digitaria</i> spp.) | Oats, Winter (<i>Avena</i> spp.) | Oats, Winter (<i>Avena</i> spp.) |
| Foxtails (<i>Setaria</i> spp.) | | |

SUGARCANE (LOUISIANA AND TEXAS ONLY)

| BROADCAST APPLICATION INSTRUCTIONS | |
|---|---|
| AVALAIRE METRIBUZIN 4 F Pt/Acre | APPLICATION INSTRUCTIONS |
| 3 to 6 | Broadcast: Apply specified dosage per acre using 20 to 30 gallons of water with ground equipment or 5 gallons of water with aircraft spray equipment. Apply as a broadcast spray |

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| | during the Fall after planting or to the stubble after harvest. Make a second application early in the Spring. |
| 1-1/2 to 3 | Band: Apply specified dosage in 10 to 20 gallons of water per acre in a 30 to 36 inch band over the row during the Fall after planting or to the stubble after harvest. Make a second application early in the Spring. |

Broadleaves

| | |
|---------------------------------|-------------------------------|
| Amaranth, Spiny | Marestail |
| (<i>Amaranthus spinosus</i>) | (<i>Conyza canadensis</i>) |
| Bindweed, Field | Mustard, Wild |
| (<i>Convolvulus arvensis</i>) | (<i>Brassica kaber</i>) |
| Chickweed | Pigweeds |
| (<i>Cerastium vulgatum</i>) | (<i>Amaranthus spp.</i>) |
| Henbit | Purslane |
| (<i>Lamium amplexicaule</i>) | (<i>Portulaca oleracea</i>) |
| Lambsquarters | Sowthistle |
| (<i>Chenopodium album</i>) | (<i>Sonchus spp.</i>) |
| London rocket | |
| (<i>Sisymbrium irio</i>) | |

Grasses

| | |
|-----------------------------------|------------------------------|
| Broadleaf Signalgrass | Johnsongrass, Seedling |
| (<i>Brachiaria platyphylla</i>) | (<i>Sorghum halepense</i>) |
| Crabgrass | Oats, Winter |
| (<i>Digitaria spp.</i>) | (<i>Avena spp.</i>) |
| Foxtails | |
| (<i>Setaria spp.</i>) | |

Use Restrictions (Louisiana and Texas only):

- Do not use treated foliage for feed or forage.
- Use the higher rate on heavy clay soil and soil with a high percentage of organic matter. If necessary, a third application may be made in late Spring at layby.
- Pre-harvest Interval (PHI): Do not apply within 60 days of harvest.
- For aerial and chemigation application methods on sugarcane the maximum application rate is 4 pts **AVALAIRE METRIBUZIN 4 F** /acre.
- To assure that spray will not adversely affect adjacent sensitive nontarget plants, apply this product by aircraft at a minimum upwind distance of 400 ft. from sensitive plants.

* SUGARCANE (Florida Only)

Postemergence over-the-top or directed spray applications of metribuzin may be used for the control of the following weeds in sugarcane in Florida

Broadleaves

| | |
|--------------------------------|-------------------------------|
| Amaranth, Spiny (seedling) | Purslane |
| (<i>Amaranthus spinosus</i>) | (<i>Portulaca oleracea</i>) |
| Butterweed | |
| (<i>Cressleaf groundsel</i>) | |
| (<i>Senecio glabellus</i>) | |

Grasses

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|---|---|
| *Crabgrass, large (<i>Digitaria sanguinalis</i>) | Panicum, broadcast (<i>Panicum adspersum</i>) |
| Foxtail, bristlegass (<i>Setaria magna</i>) | Signalgrass, Broadcast (<i>Brachiaria platyphylla</i>) |
| Goosegrass (<i>Eleusine indica</i>) | |

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SUGARCANE (Florida Only)

Postemergence over-the-top or directed spray applications of metribuzin may be used for the control of the following weeds in sugarcane in Florida

Broadleaves

| | |
|--------------------------------|--------------------------------|
| Amaranth, Spiny (seedling) | Butterweed |
| (<i>Amaranthus spinosus</i>) | (<i>Cressleaf groundsel</i>) |
| | (<i>Senecio glabellus</i>) |
| | Purslane |
| | (<i>Portulaca oleracea</i>) |

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Grasses

| | |
|----------------------------------|-----------------------------------|
| *Crabgrass, large | Panicum, broadcast |
| (<i>Digitaria sanguinalis</i>) | (<i>Panicum adspersum</i>) |
| Foxtail, bristlegass | Signalgrass, Broadcast |
| (<i>Setaria magna</i>) | (<i>Brachiaria platyphylla</i>) |
| Goosegrass | |
| (<i>Eleusine indica</i>) | |

*Best control is achieved when applications are made when this weed is less than 4" in diameter.

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| SUGARCANE (FLORIDA ONLY) | |
|---------------------------------|--|
| APPLICATION INSTRUCTIONS | |
| AVALAIRE METRIBUZIN 4 F Pt/Acre | APPLICATION INSTRUCTIONS |
| SUGARCANE (Florida Only) | |
| AVALAIRE METRIBUZIN 4 F Pt/Acre | APPLICATION INSTRUCTIONS |
| 2 to 4 | <p>Ground Application: AVALAIRE METRIBUZIN 4 F may be used in one or two applications with a minimum of 14 days between each application. Apply when weeds are less than 6 inches tall in 10 to 40 gallons of spray mixture per acre.</p> <p>Postemergence Broadcast Or Band: Apply over the top of stubble or plant cane while sugarcane is less than 14 inches tall.</p> <p>Postemergence Directed Spray: Apply to sugar cane that is a minimum of 14 inches tall and before row closing.</p> |
| 2 to 3 | <p>Aerial Application: Apply when weeds are less than 4 inches tall in 5 to 10 gallons of spray mixture per acre. Apply to stubble or plant cane while the sugarcane is less than 14 inches tall.</p> |

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AVALAIRE METRIBUZIN 4 F Plus Atrazine Tank Mix: AVALAIRE METRIBUZIN 4 F may be used with atrazine as a preemergence or postemergence (before row closing) application to sugarcane. Rates for AVALAIRE METRIBUZIN 4 F are 1-1/2 to 4 pts/acre. Consult specific atrazine label for use rates. For

additional information on precautions, instructions, limitations, application, and weeds controlled, refer to this label and the atrazine label.

Use Restrictions (Florida only):

- Do not use more than 4 pts per acre in a single growing season.
- Do not use on sand soils.
- Pre-harvest Interval (PHI): Do not apply within 60 days of harvest.
- Do not use treated crop for feed or forage.
- Do not allow spray overlaps or variations in application speed that may result in insufficient or excessive rates of application.
- To assure that spray will not adversely affect adjacent sensitive nontarget plants, apply this product by aircraft at a minimum upwind distance of 400 ft. from sensitive plants.

Use Precaution (Florida only):

- Spray contact with sugarcane foliage may result in minor leaf margin chlorosis and/or necrosis.

TOMATOES

Apply **AVALAIRE METRIBUZIN 4 F** herbicide with ground equipment to seeded and transplanted tomatoes as specified below under *Application Instructions*.

For effective control of grasses and broadleaf weeds with postemergence applications, apply **AVALAIRE METRIBUZIN 4 F** before weeds are 1-inch tall. Thorough spray coverage on weed foliage is essential for adequate control with postemergence applications. Do not use air blast or other high pressure spray equipment to make postemergence applications of **AVALAIRE METRIBUZIN 4 F**. Refer to the appropriate section of this label for additional information regarding spray equipment, dilution rates, mixing, sprayer cleanup, restrictions, container disposal and cautions.

For specific application information see the Product Information section in the front of this label.

WEEDS CONTROLLED

PREPLANT INCORPORATED APPLICATIONS TRANSPLANT TOMATOES ONLY

Broadcast Sprays – ½ to 1 Pt AVALAIRE METRIBUZIN 4 F/Acre

Broadleaves

Galinsoga

(*Galinsoga* spp.)

Lambsquarters

(*Chenopodium album*)

*Pigweed, Redroot

(*Amaranthus retroflexus*)

*Purslane, Common

(*Portulaca oleracea*)

Grasses

*Goosegrass

(*Eleusine indica*)

Preplant incorporated applications applied as directed will suppress foxtails, panicums and barnyardgrass.

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applications as directed on this label will suppress barnyardgrass and crabgrass when these weeds are less than 1-inch tall. atrazine
For effective control of weeds with postemergence applications, apply this product before weeds are 1-inch tall.

Broadcast Sprays -1/2 to 1 Pt AVALAIRE METRIBUZIN 4 F/Acre

Broadleaves _____ Mustard, Wild
 Carpetweed _____ (*Brassica kaber*)
 (*Mollugo verticillata*) _____ Pigweeds
 Fumitory _____ (*Amaranthus* spp.)
 (*Fumaria officinalis*) _____ Purslane
 Galinsoga _____ (*Portulaca oleracea*)
 (*Galinsoga* spp.) _____ *Ragweed, Common
 Jimsonweed _____ (*Ambrosia artemisiifolia*)
 (*Datura stramonium*) _____ *Smartweed, Pennsylvania
 Ladysthumb _____ (*Polygonum pensylvanicum*)
 (*Polygonum persicaria*) _____ Toadflax
 Lambsquarters _____ (*Linaria* spp.)
 (*Chenopodium album*) _____ Velvetleaf
 _____ (*Abutilon theophrasti*)

Directed Sprays -1 to 2 Pt AVALAIRE METRIBUZIN 4 F/Acre

Grasses _____ Plus Weeds Listed Under

*Foxtail, Yellow _____ **Broadcast Sprays**

(*Setaria glauca*)

Goosegrass

(*Eleusine indica*)

* For optimum control of these weeds, use the highest rate specified on the label for the type of application to be made. Repeat postemergence applications may be needed for best control.
 Postemergence applications as directed on this label will suppress barnyardgrass and crabgrass when these weeds are less than 1-inch tall.

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BROADCAST APPLICATIONS INSTRUCTIONS FOR TOMATOES

| AVALAIRE METRIBUZIN 4 F Pt/Acre | APPLICATION INSTRUCTIONS |
|---------------------------------|--|
| 1/2 to 1 | Preplant Incorporated - Transplant Tomatoes Only: Apply specified dosage in 10 or more gallons of water per acre as a broadcast spray to the soil surface immediately before transplanting. Incorporate to a depth of 2 to 4 inches with equipment capable of uniformly mixing the chemical into the soil. This application may be made alone or in a tank mix combination with trifluralin. When transplanting tomatoes, place the root system of the plants below the herbicide incorporation zone or injury may occur. Refer to the Trifluralin label for specific rate of application and for additional precautions and restrictions for tomatoes. |
| 1/2 to 1 | Postemergence Broadcast Spray - Established Tomatoes: Apply specified dosage in 20 or more gallons of water per acre as a broadcast spray, or apply in 1/4 to 3/4 inch of water (use 1/4 to 1/2 inch of water on sandy soils) per acre as a continuous injection in center pivot and lateral move systems or |

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| | apply in the last 15 to 30 minutes of set in permanent solid set sprinkler systems. One or more applications may be applied per use season. Allow at least 14 days between applications or severe crop injury may occur. For transplanted tomatoes, do not apply until transplants have recovered from transplant shock and new growth is evident. Do not apply to tomatoes within 24 hours of application of other pesticides. Do not tank mix with other pesticides. (See "Use Restrictions" below.) |
| 1 to 2 | Postemergence Directed Spray - Established Tomatoes: Apply specified dosage in 20 or more gallons of water per acre as a directed spray. One or more applications may be applied per use season. Allow at least 14 days between applications or severe crop injury may occur. Avoid contacting tomato foliage with spray. This method of treatment can be used in fields with a history of severe weed pressure or in fields infested with hard-to-control weeds. For transplanted tomatoes, do not apply until transplants have recovered from transplant shock and new growth is evident. Do not apply to tomatoes within 24 hours of application of other pesticides. (See "Use Restrictions" below.) When banding see the appropriate section in the front of this label. |

*Use the higher rate in fields with a history of severe weed pressure and for maximum residual weed control.

Use Restrictions (Tomatoes):

- Do not apply more than a total of 2 pts. **AVALAIRE METRIBUZIN 4 F** per crop season.
- Do not apply the total amount of 2 pts. **AVALAIRE METRIBUZIN 4 F** within a time span of less than 35 days, except in the case of directed sprays.
- Pre-harvest Interval (PHI): Do not apply within 7 days of harvest.
- Do not use hot caps on tomatoes within 7 days before or at any time after application of **AVALAIRE METRIBUZIN 4 F**.
- Aerial application is prohibited.

Use Precautions:

- Allow at least 14 days between applications, regardless of dosage or method of application or severe crop injury may occur.
- Do not apply within 3 days after periods of cool, wet or cloudy weather, or crop injury will occur.
- Do not treat seeded tomatoes until plants have reached the 5 to 6 leaf stage or severe crop injury may occur.
- Crop injury or delayed maturity may result from broadcast or directed spray applications if tomatoes are growing under stress conditions such as periods of drought or cool, wet and cloudy weather preceding application.

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- For newly introduced tomato varieties with unknown tolerance to **AVALAIRE METRIBUZIN 4 F**, treat only a small area to determine if **AVALAIRE METRIBUZIN 4 F** can be used without injury to the crop.

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DO NOT USE THIS PRODUCT ON TOMATOES IN KERN COUNTY, CALIFORNIA.

SPRING AND WINTER BARLEY AND WINTER WHEAT

AVALAIRE METRIBUZIN 4 F herbicide may be used for control or suppression of certain grasses and broadleaf weeds when applied postemergence to spring and winter barley or winter wheat. **AVALAIRE METRIBUZIN 4 F** alone and several tank mixture treatments may be used in the following states: AR, GA, ID, IL, IN, KS, KY, LA, MS, MO, MT, NV, OH, OK, OR, TN, TX, UT, WA.

Mixing: See the "Product Information" section of this label for specific mixing procedures. When tank mixing, carefully follow the instructions on this label. Refer to the other product labels registered for use on barley and winter wheat for additional use directions, rates, weeds controlled and restrictions.

Application: **AVALAIRE METRIBUZIN 4 F** may be applied by aerial or ground application equipment. Use a minimum spray volume of 2 gpa by air and 10 gpa by ground. Uniform spray coverage is necessary to obtain optimum weed control and to minimize potential for crop injury. Do not exceed rates specified on this label. Do not apply **AVALAIRE METRIBUZIN 4 F** through any type of irrigation equipment. Apply **AVALAIRE METRIBUZIN 4 F** when the crop is healthy and actively growing. **AVALAIRE METRIBUZIN 4 F** may be applied more than once per crop season. Allow a minimum of 21 days between applications if wheat is actively growing or allow 45 days between applications if wheat is growing in adverse conditions, has entered dormancy or is stressed due to frost damage, disease, drought or excessive moisture. Do not use on soils containing less than 0.75% organic matter. Do not apply more than a total of 16 fluid ounces **AVALAIRE METRIBUZIN 4 F** (8 ounces active ingredient) per acre per year. On irrigated wheat and barley, do not apply more than 0.5 inch of water for the first irrigation, the maximum amount for each additional irrigation should not exceed 1 inch. Allow a minimum of 14 days between the first irrigation and subsequent irrigations.

Performance Factors: Weed control may not be observed for 2 to 4 weeks under normal growth conditions and for 4 to 6 weeks under very dry conditions. Moisture (at least 1/2 inch) is required within 2 to 3 weeks after application to move **AVALAIRE METRIBUZIN 4 F** into the weed root zone. Lack of adequate moisture after application may result in poor or erratic weed control. Control or suppression of listed weeds is dependent on weed size at time of application. Control or suppression may be reduced if broadleaf weeds are taller than 1 inch or grasses have more than 2 leaves.

Tank Mixtures: **AVALAIRE METRIBUZIN 4 F** may be tank mixed with metsulfuron methyl, trisulfuron, chlorsulfuron + metsulfuron, chlorsulfuron, acetochlor + atrazine, 2,4-D, MCPA, terbutryn, dicamba, or bromoxynil herbicides. A nonionic surfactant containing at least 80% active ingredient may be used in **AVALAIRE METRIBUZIN 4 F** tank mixes with sulfonylurea herbicides (metsulfuron methyl, triasulfuron, chlorsulfuron + metsulfuron, chlorsulfuron and acetochlor + atrazine). Do not use a crop oil concentrate or any adjuvant containing vegetable or petroleum oils with any **AVALAIRE METRIBUZIN 4 F** mix as crop injury may result. Additional pesticides may also be tank mixed with **AVALAIRE METRIBUZIN 4 F** unless specifically prohibited on the mix product's label. In some instances, combinations with organophosphate insecticides may cause temporary leaf yellowing and/or crop injury, especially when widely fluctuating day/night temperatures occur near application. Always refer to the other product labels registered for use on wheat and barley for additional directions, rates and weed species controlled. Observe all precautions and limitations on labeling of all products used in mixtures.

Feeding Restrictions: Do not graze wheat within 14. days of **AVALAIRE METRIBUZIN 4 F** application or harvest grain within 21 days after last application. Do not graze or harvest barley before crop maturity. For tank mix combinations, follow the most restrictive label.

Special Precautions: Wheat and Barley Injury - Crop injury may occur if **AVALAIRE METRIBUZIN 4 F** is applied:

- When the crop is under stress such as winter kill, frost damage, disease, drought or excessive moisture, severe grazing, or when these conditions follow the application.
- In combination with fluid fertilizer especially with the addition of surfactant,
- Prior to the growth stage specified on this label.
- To soils high in lime or sodium, a pH greater than 7.7, calcareous, gravelly, thinly covered or exposed subsoil areas.
- To fields where wheat and barley seeds have been planted less than 1 inch deep.
- To a non-winter hardy wheat or barley variety.
- To a sensitive wheat or barley variety as listed below.
- To frozen soil or crop still in winter dormancy.

Wheat and Barley Rotations Following Potatoes Treated with AVALAIRE METRIBUZIN 4 F: If planting a sensitive wheat and barley variety (listed under the wheat and barley variety tolerance portion of this label), following potatoes treated with **AVALAIRE METRIBUZIN 4 F** or metribuzin containing products, refer to the potato section of the **AVALAIRE METRIBUZIN 4 F** label for special cultural practices to follow.

APPLICATION INSTRUCTIONS

AVALAIRE METRIBUZIN 4 F alone or in a tank mix with labeled broadleaf herbicides may be applied by aerial or around spray equipment as a broadcast postemergence spray.

| CROP GROWTH STAGE SOIL TEXTURE | SOIL TEXTURE | AVALAIRE METRIBUZIN 4 F RATE (fl oz/A) % ORGANIC MATTER | |
|---|--------------|---|------------|
| | | 0.75 to 2.0 | OVER 2.0 |
| 2 Leaf to 2 Tiller | Coarse Soils | 1.5 to 3 | 1.5 to 4.5 |
| | Medium Soils | 1.5 to 4.5 | 3 to 4.5 |
| | Fine Soils | 3 to 4.5 | 3 to 6 |
| Use these rates on crops with secondary roots smaller than 1 inch. For dryland winter wheat (nonirrigated), apply the highest specified rate to achieve maximum weed suppression/control. | | | |
| 3 Tiller to 4 Tiller | Coarse | 4.5 to 6 | 6 to 7.5 |
| | Medium | 6 to 7.5 | 7.5 to 9 |
| | Fine | 7.5 to 9 | 7.5 to 9 |
| Do not apply within 2 weeks after grazing or breaking of winter dormancy. Apply after the crop is at or beyond the 3 tiller growth stage but before jointing. Secondary roots should be developed and larger than 1 inch long. Do not apply before 75 days after planting. For dryland winter wheat (nonirrigated), apply the highest specified rate to achieve maximum weed suppression/control. GEORGIA ONLY: Wheat must be planted before November 15 in the Piedmont area and Northern part of the state, and before December 1 in the Coastal Plain area. | | | |
| Over 4 Tillers | Coarse Soils | 5 to 9 | 7.5 to 12 |
| | Medium Soils | 6 to 12 | 7.5 to 12 |
| | Fine Soils | 7.5 to 12 | 12 to 16 |
| Do not apply within 2 weeks after grazing or breaking of winter dormancy. Apply after the crop is at or beyond the 3 tiller growth stage but before jointing. Secondary roots should be developed and larger | | | |

than 1 inch long. Do not apply before 75 days after planting. For dryland winter wheat (nonirrigated), apply the highest specified rate to achieve maximum weed suppression/control.
GEORGIA ONLY: Wheat must be planted before November 15 in the Piedmont area and Northern part of the state, and before December 1 in the Coastal Plain area.

~~Use these rates on crops with secondary roots smaller than 1 inch. For dryland winter wheat (nonirrigated), apply the highest specified rate to achieve maximum weed suppression/control.~~

~~Do not apply within 2 weeks after grazing or breaking of winter dormancy. Apply after the crop is at or beyond the 3 tiller growth stage but before jointing. Secondary roots should be developed and larger than 1 inch long. Do not apply before 75 days after planting. For dryland winter wheat (nonirrigated), apply the highest specified rate to achieve maximum weed suppression/control.~~

~~GEORGIA ONLY: Wheat must be planted before November 15 in the Piedmont area and Northern part of the state, and before December 1 in the Coastal Plain area.~~

~~Do not apply within 2 weeks after grazing or breaking of winter dormancy. Apply after the crop is at or beyond the 3 tiller growth stage but before jointing. Secondary roots should be developed and larger than 1 inch long. Do not apply before 75 days after planting. For dryland winter wheat (nonirrigated), apply the highest specified rate to achieve maximum weed suppression/control.~~

~~GEORGIA ONLY: Wheat must be planted before November 15 in the Piedmont area and Northern part of the state, and before December 1 in the Coastal Plain area.~~

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WHEAT AND BARLEY VARIETIES TOLERANCE

Wheat and barley varieties vary in their tolerance to **AVALAIRE METRIBUZIN 4 F**. Varieties below are tolerant to and may be used with **AVALAIRE METRIBUZIN 4 F**:

Winter Wheat: Abe, AgriPro Mason, AgriPro Shiloh, Arthur, AS 7846, AS 7853, Baker Seed 32, Barbie VI, Basin, Batum, Bayles, Becker, Bintee V, Buchshot OS 2368, Caldwell, Cardinal, Cashup, Centurk, Cherokee, Cheyenne, Clark, Coker 747, Coker 762, Coker 797, Coker 68-15, Coker 9134, Coker 9543, Coker 9904, Coker 9907, Daws, DB 533W, DB 562W, DB 580W, Delta King 502, Delta King 9027, Dixie 952, Doublecrop, Dusty, Dyna-gro 426, Dynasty, Excel, Faro, FFR 525W, Florida 302, FS 432, FS 433, FS 435, Gains, Garst 64, Georgia 100, Genie V, Hatton, Hawk, Hill 81, Howell, Hunter, Hyak, Hyslop, Katie VI, KY 16-2, Larned, Lewis 833, Lewjain, Lisa, Longhorn, Luke, Madison, Magnum, Malcom, McDermid, McNaiMOOS, McNair 1813, Molly, Mora, Neely, Nelson, Newton, Norstar, Norwin, Nugaines, Oasis, Omega 78, Paha, Peck, Pike, Pioneer 2157, Pioneer 2180, Pioneer 2510, Pioneer 2545, Pioneer 2548, Pioneer 2550, Pioneer 2552, Pioneer 2555, Pioneer 2566, Pioneer 2571, Pioneer 2580, Pioneer 2684, Quantum 577, Redwin, Rocky, Saluda, Sawyer, SO 104, Siouxland, Sprague, Southern Belle, Stacy, Stallion, Stephens, TAM W101, TAM 105, TE 877, TE 2548, TE SR204, TR 8555, TR 8557, TR 8768, Tiber, Tomahawk, Traveler, Tres, Tyee, Tyler, Verne, Victory, Wakefield, Wanser, Weston, Winalta, Wrangler.

Barley: Advance, Boyer, Clark, Compana, Hannchen, Hector, Hesk, Hudson, Lud, Luther, Kamiak, Klages, Olympic, Pirolina, Steptoe and Triumph. Do not use the following wheat and barley varieties which are sensitive to **AVALAIRE METRIBUZIN 4 F**:

Winter Wheat: AgriPro Clemens, AT 90W, AT 91W, Arapaho, Baker Seed 33, Century, Cimarron, Coker 833, Coker 916, Coker 983, Coker 9024, Coker 9105, Coker 9323, Coker 9663, Choker 9474, Choker 9835, Choker 9766, Choker 9877, EK 102, EK 114, FAR 555, Florida 304, Freedom, FS 417, FS 423, FS 425, FS 430, Gore, Hazen, Hickory, Jackson, Julie III, KY-49-25, Linden, Madison, Mesa, Mustang, Pacer, Pioneer 2551, Pioneer 2163, Pioneer 2643, Pioneer 2691, Princeton 733, PER W71, PER 226, PER 278, Rosen, Savannah, Sierra, TAM 107, TR 101, TR 1011, TR8822, Triumph 64, Vona, Wings, Winridge, Yamhill.

Spring/Durum Wheat: Avoid use on Spring wheat and Durum wheat varieties.

Barley: Glenn, Morex, Moravian 3, Larker, Summit, Bracken, Anheuser Busch B2601 and varieties with Morex parentage.

Varieties Not Listed: To avoid possible crop injury on any variety not mentioned in this label, contact an Avalaire, LLC representative or herbicide expert for a variety recommendation prior to treatment or treat a small strip of the unlisted variety with the specified **AVALAIRE METRIBUZIN 4 F** rate to ascertain crop tolerance before treating an entire field.

* Abbreviated names of vendors: AS (Agseco), AT (Agratech), DB (Diener Bros.), FS (Growmark FS), PI (Pioneer), PER (Hybritech), SC (J.M. Schultz), TE (Terra), and TR (Terral).

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Weeds Controlled

Used at specified rates, **AVALAIRE METRIBUZIN 4 F** will control many annual broadleaf weeds. Control is best when applied to young, actively growing weeds. Weeds controlled by **AVALAIRE METRIBUZIN 4 F** include:

| | |
|----------------------------------|--|
| <u>Bittercress</u> | <u>Knotweed, prostrate</u> |
| <u>Catchfly, Conical (Sand)</u> | <u>Lambsquarter, Common</u> |
| <u>Catchweed (Madwort)</u> | <u>Lettuce, Miners</u> |
| <u>Chickweed, Common</u> | <u>Mustard, Blue</u> |
| <u>Chickweed, Mouseear</u> | <u>Mustard, Wild</u> |
| <u>Corncockle</u> | <u>Pennycress, Field</u> |
| <u>Dogfennel (Mayweed)</u> | <u>Pepperweed Virginia</u> |
| <u>Evening Primrose, Cutleaf</u> | <u>Pigweed, spp.</u> |
| <u>Falseflax, Smallseed</u> | <u>Pineappleweed</u> |
| <u>Fiddleneck, Tarweed</u> | <u>Polemonium, Annual (Jacob's Ladder)</u> |
| <u>Filaree, Redstem</u> | <u>Radish, Wild</u> |
| <u>Geranium, Carolina</u> | <u>Shepherdspurse</u> |
| <u>Gromwell, spp.</u> | <u>Speedwell, Ivyleaf</u> |
| <u>Henbit</u> | <u>Turnip, Wild</u> |

| | |
|---------------------------|-------------------------------------|
| Bittercress | Knotweed, prostrate |
| Catchfly, Conical (Sand) | Lambsquarter, Common |
| Catchweed (Madwort) | Lettuce, Miners |
| Chickweed, Common | Mustard, Blue |
| Chickweed, Mouseear | Mustard, Wild |
| Corncockle | Pennycress, Field |
| Dogfennel (Mayweed) | Pepperweed Virginia |
| Evening Primrose, Cutleaf | Pigweed, spp. |
| Falseflax, Smallseed | Pineappleweed |
| Fiddleneck, Tarweed | Polemonium, Annual (Jacob's Ladder) |
| Filaree, Redstem | Radish, Wild |
| Geranium, Carolina | Shepherdspurse |
| Gromwell, spp. | Speedwell, Ivyleaf |
| Henbit | Turnip, Wild |

Weeds Suppressed

AVALAIRE METRIBUZIN 4 F control of the following weeds varies from poor to excellent depending on time of application, stage of growth at application, temperatures and soil moisture conditions following treatment. For maximum effect on these weeds, apply the highest specified rate at the earliest growth stage timing for each particular soil type and organic matter. Suppression is a reduction in weed size and growth as compared to a non-treated area in the same field.

| | |
|--------------------|-----------------------------|
| Broadleaves | |
| Buckwheat, Wild* | Mustard, Tumble (Jim Hill)* |
| Buttercup, spp. | Tansymustard |
| Cowcockle | <u>Thistle, Russian</u> |
| Kochia* | <u>Vetch, Winter</u> |

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| Lettuce, Prickly Winter | Vetch, | |
| Grasses | | |
| Barley, Hare (Wild) | Brome, Ripgut* | |
| Barley, Little | Cheat* | |
| Blackgrass | Foxtail, spp.* | |
| Bluegrass, Annual | Oat, Wild* | |
| Bluegrass, Bulbous | Rescuegrass* | |
| Brome, Downy* | Whitlowgrass, Spring (Vernal) | |
| Brome, Japanese* | Windgrass | |

*Use the highest specified **AVALAIRE METRIBUZIN 4 F** rate for a maximum weed suppression.

FOR WEED CONTROL IN A WHEAT/FALLOW/WHEAT ROTATION

(Idaho, Oregon, Utah and Washington Only)

AVALAIRE METRIBUZIN 4 F may be applied to provide weed control during the fallow period after wheat harvest or in the Spring before winter wheat is planted. Winter wheat can be seeded 4 months (120 days) after Spring application. Mechanical tillage or the application of a contact herbicide may be required to control weeds germinating prior to seeding of winter wheat. Best results will be obtained where straw and chaff are evenly distributed across the field.

For specific application information see the *Product Information* section in the front of this label.

Where weed growth is present at application time, **AVALAIRE METRIBUZIN 4 F** should be applied with Paraquat or other contact herbicide. Refer to the other product label registered for additional directions, rates, and weed species controlled.

Weeds Controlled

| | | |
|--|---|--|
| Broadleaves | | |
| Chickweed, common (<i>Stellaria media</i>) | Mustard, treacle (<i>Erysimum repandum</i>) | |
| Henbit (<i>Lamium amplexicaule</i>) | Mustard, wild (<i>Brassica kaber</i>) | |
| *Kochia (<i>Kochia scoparia</i>) | Pennycress, field (Fanweed) (<i>Thlaspi arvense</i>) | |
| Lambsquarters (<i>Chenopodium album</i>) | Pigweeds (<i>Amaranthus spp.</i>) | |
| Mustard, Blue or Purple (<i>Chorispora tenella</i>) | *Russian Thistle (<i>Salsola iberica</i>) | |
| Mustard, Jim Hill (<i>Sisymbrium altissimum</i>) | *Wild Sunflower (<i>Helianthus spp.</i>) | |
| Mustard, Tansy (<i>Descurainia pinnata</i>) | | |
| Grasses | | |
| Cheatgrass (<i>Bromus secalinus</i>) | *Wheat, Volunteer (<i>Triticum spp.</i>) | |
| Downy Brome (<i>Bromus tectorum</i>) | | |

*Note: Since control of these weeds may be variable depending on moisture following application, the higher labeled rate should be used.

BROADLEAVES

| | |
|---------------------------------|------------------------------|
| Chickweed, Common | Mustard, Treacle |
| —(<i>Stellaria media</i>) | (<i>Erysimum repandum</i>) |
| Henbit | Mustard, Wild |
| —(<i>Lamium amplexicaule</i>) | (<i>Brassica kaber</i>) |

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| *Kochia | Pennycress, Field (Fanweed) |
| —(<i>Kochia scoparia</i>) | (<i>Thlaspi arvense</i>) |
| Lambsquarters | Pigweeds |
| —(<i>Chenopodium album</i>) | (<i>Amaranthus</i> spp.) |
| Mustard, Blue or Purple | *Russian thistle |
| —(<i>Chorispora tenella</i>) | (<i>Salsola iberica</i>) |
| Mustard, Jim Hill | *Wild Sunflower |
| —(<i>Sisymbrium altissimum</i>) | (<i>Helianthus</i> spp.) |
| Mustard, Tansy | |
| —(<i>Descurainia pinnata</i>) | |

GRASSES

Cheatgrass
 —(*Bromus secalinus*)
 Downy Brome
 —(*Bromus tectorum*)
 *Wheat, Volunteer
 —(*Triticum* spp.)

*Note: Since control of these weeds may be variable depending on moisture following application, the higher labeled rate should be used.

After Harvest Application (Fall Fallow): AVALAIRE METRIBUZIN 4 F may be applied to wheat stubble after harvest in the Fall. Apply 1 to 1-1/4 pts per acre broadcast before weeds emerge. Use higher rate for longer weed control or for weeds designated as requiring the higher rate for control. Rainfall (1/2 inch or more) is necessary for herbicide activation.

Do not plant crops in treated areas for at least 10 months following Fall applications. Do not rotate any crop not listed on this label for 18 months following application of **AVALAIRE METRIBUZIN 4 F**.

AVALAIRE METRIBUZIN 4 F may be applied at 1 to 1-1/4 pts per acre as directed above for a fall application. If other vegetation is present at the time of application use a contact herbicide.

Spring Application (Summer Fallow): AVALAIRE METRIBUZIN 4 F may be applied to wheat stubble in the Spring. Apply 3/4 to 1 pt per acre broadcast before weeds emerge in the Spring. Use higher rate for longer weed control or weeds designated as requiring higher rate for control. Rainfall (1/2 inch or more) is necessary for herbicide activation.

Use Restrictions:

- Do not graze treated fields.
- Do not plant Spring seeded barley following Fall fallow applications of **AVALAIRE METRIBUZIN 4 F**.
- Where **AVALAIRE METRIBUZIN 4 F** was applied in the Fall, do not apply **AVALAIRE METRIBUZIN 4 F** in the Spring.

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FOR WEED CONTROL IN A FALLOW ROTATION WITH BARLEY AND WHEAT

(Colorado, Kansas, Montana, Nebraska, and Wyoming Only)

AVALAIRE METRIBUZIN 4 F may be applied to provide weed control during the fallow period after wheat or barley harvest or in the Spring before planting of Winter wheat or barley. Mechanical tillage or the application of a contact herbicide may be required to control weeds germinating prior to seeding of Winter wheat or barley.

For specific application information see the *Product Information* section in the front of this label.

Where weed growth is present at application time, **AVALAIRE METRIBUZIN 4 F** should be applied with Paraquat, glyphosate, or other contact herbicide. Refer to the other product label registered for additional directions, rates, and weed species controlled. Do not plant crops in treated areas earlier than 10 months

following Fall applications. Do not rotate any crop not listed on this label for 18 months following application of **AVALAIRE METRIBUZIN 4 F**.

Weeds Controlled

| Broadleaves | |
|--|---|
| Chickweed, common (<i>Stellaria media</i>) | Mustard, Tansy (<i>Descurainia pinnata</i>) |
| Cowcockle (<i>Vaccaria pyramidata</i>) | Mustard, treacle (<i>Erysimum repandum</i>) |
| Henbit (<i>Lamium amplexicaule</i>) | Mustard, wild (<i>Brassica kaber</i>) |
| *Kochia (<i>Kochia scoparia</i>) | Pennycress, field (Fanweed) (<i>Thlaspi arvense</i>) |
| Lambsquarters (<i>Chenopodium album</i>) | Pigweeds (<i>Amaranthus</i> spp.) |
| Mustard, Blue or Purple (<i>Chorispora tenella</i>) | Russian Thistle (<i>Salsola iberica</i>) |
| Mustard, Jim Hill (<i>Sisymbrium altissimum</i>) | Sunflower (<i>Helianthus</i> spp.) |
| Grasses | |
| Cheatgrass (<i>Bromus secalinus</i>) | *Wheat, Volunteer (<i>Triticum</i> spp.) |
| Downy Brome (<i>Bromus tectorum</i>) | *Wild Oats (<i>Avena fatua</i>) |
| *Foxtail, Green (<i>Setaria viridis</i>) | |

*Note: Since control of these weeds may vary depending on moisture following application, use the higher rate specified below.

BROADLEAVES

| | |
|-----------------------------------|--------------------------------|
| Chickweed, Common | Mustard, Tansy |
| —(<i>Stellaria media</i>) | (<i>Descurainia pinnata</i>) |
| Gowcockle | Mustard, Treacle |
| —(<i>Vaccaria pyramidata</i>) | (<i>Erysimum repandum</i>) |
| Henbit | Mustard, Wild |
| —(<i>Lamium amplexicaule</i>) | (<i>Brassica kaber</i>) |
| *Kochia | Pennycress, Field (fanweed) |
| —(<i>Kochia scoparia</i>) | (<i>Thlaspi arvense</i>) |
| Lambsquarters | Pigweeds |
| —(<i>Chenopodium album</i>) | (<i>Amaranthus</i> spp.) |
| Mustard, Blue or Purple | Russian thistle |
| —(<i>Chorispora tenella</i>) | (<i>Salsola iberica</i>) |
| Mustard, Jim Hill | Sunflower |
| —(<i>Sisymbrium altissimum</i>) | (<i>Helianthus</i> spp.) |

GRASSES

| | |
|------------------------------|-------------------------|
| Cheatgrass | *Wheat, Volunteer |
| —(<i>Bromus secalinus</i>) | (<i>Triticum</i> spp.) |
| Downy Brome | *Wild Oats |
| —(<i>Bromus tectorum</i>) | (<i>Avena fatua</i>) |
| *Foxtail, Green | |
| —(<i>Setaria viridis</i>) | |

* Note: Since control of these weeds may vary depending on moisture following application, use the higher rate specified below.

After Harvest Application (Fall Fallow): AVALAIRE METRIBUZIN 4 F may be applied to the stubble after harvest in the Fall. Apply 1-1/4 to 1-1/2 pt_s per acre broadcast before weeds emerge. Use the higher rate

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for longer weed control or for weeds designated as requiring the higher rate for control. Rainfall (1/2 inch or more) is necessary for herbicide activation.

Spring Application (Summer Fallow): AVALAIRE METRIBUZIN 4 F may be applied to the stubble in the Spring. Apply 3/4 to 1 pt per acre broadcast before weeds emerge in the Spring. Use the higher rate for longer weed control or weeds designated as requiring the higher rate for control. Rainfall (1/2 inch or more) is necessary for herbicide activation. Wheat or barley can be seeded 120 days after Spring application.

Use Restrictions:

- Do not graze treated fields.
- Do not plant Spring seeded barley following Fall applications for fallow.
- Where **AVALAIRE METRIBUZIN 4 F** was applied in the Fall, do not apply **AVALAIRE METRIBUZIN 4 F** in the Spring.

CROP ROTATION RESTRICTIONS

Waiting Period After **AVALAIRE METRIBUZIN 4 F** Flowable Herbicide Application¹

| Waiting Period After AVALAIRE METRIBUZIN 4 F Flowable Herbicide Application ¹ | | | |
|---|--|---|---|
| 4 months | Alfalfa Asparagus Barley ² Corn | Forage Grasses Sainfoin ¹ Soybeans | Sugarcane Tomatoes Wheat ² |
| 8 Months | Barley Lentils | Peas Wheat | -- |
| 12 Months | Potatoes | Rice ³ | -- |
| 18 Months | Sugar Beets, Onions and other root crops not listed on this label, and all other crops not listed on this label. | | |

¹ Cover crops for soil building or erosion control may be planted any time, but do not graze or harvest for food or feed. Stand reductions may occur in some areas.

² Following peas, lentils or soybeans.

³ Do not rotate rice after any application to a primary crop greater than 1.0 lb ai/A of **AVALAIRE METRIBUZIN 4 F** per season.

Do not rotate any crop not listed on this label after application of **AVALAIRE METRIBUZIN 4 F** to sugarcane.

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STORAGE AND DISPOSAL

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

PESTICIDE STORAGE: Store in a cool, dry place and in such a manner as to prevent cross contamination with other pesticides, fertilizers, food, and feed. Store in original container and out of the reach of children, preferably in a locked storage area.

Handle and open container in a manner as to prevent spillage. If the container is leaking or material spilled for any reason or cause, carefully sweep material into a pile. Refer to Precautionary Statements on label for hazards associated with the handling of this material. Do not walk through spilled material.

Dispose of pesticide as directed below. In spill or leak incidents, keep unauthorized people away.

PESTICIDE DISPOSAL: Wastes resulting from the use of this product must be disposed of on site in accordance with the uses permitted on this label, or at an approved waste disposal facility.

CONTAINER HANDLING:

[Nonrefillable containers ≤ 5 gallons:] Nonrefillable container. Do not reuse or refill this container. Clean container promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container 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; otherwise dispose of in a sanitary landfill.

[Nonrefillable containers > 5 gallons:] Nonrefillable container. Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. 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. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times. Then offer for recycling if available, or reconditioning, or puncture and dispose of in a sanitary landfill, or incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

Conditions of Sale and Limitation of Warranty and Liability

The Directions for Use of this product must be followed carefully. It is impossible to eliminate all risks inherently associated with the use of this product. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as manner of use or application, weather or crop conditions, presence of other materials, resistant strains or other influencing factors in the use of the product, which are beyond the control of Avalaire, LLC or Seller. To the extent consistent with applicable law, all such risks shall be assumed by Buyer and User, and Buyer and User agree to hold Avalaire, LLC and Seller harmless for any claims relating to such factors.

To the extent allowed by applicable laws, Avalaire, LLC warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated in the Directions for Use, subject to the inherent risks referred to above, when used in accordance with directions under normal use conditions. This warranty does not extend to the use of the product contrary to label instructions, or under abnormal conditions or under conditions not reasonably foreseeable to or beyond the control of Seller or Avalaire, LLC and Buyer and User assume the risk of any such use. TO THE EXTENT ALLOWABLE BY APPLICABLE LAW, AVALAIRE, LLC MAKES NO WARRANTIES OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE NOR ANY OTHER EXPRESS OR IMPLIED WARRANTY EXCEPT AS STATED ABOVE.

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