This information is for promotional purposes only. Space considerations may require information to be omitted. Always refer to the actual package for complete label verbiage. This product may not yet be available or approved for sale or use in your area.



Contains sulfentrazone, the active ingredient used in Authority<sup>®</sup>, Spartan<sup>®</sup>, & Zeus<sup>®</sup>

# **ACTIVE INGREDIENT:**

Sulfentrazone*	39.6%
OTHER INGREDIENTS:	60.4%
TOTAL:	100.00/

\*Equivalent to 4 pounds of active ingredient per gallon.

EPA Reg. No. 91234-32

# KEEP OUT OF REACH OF CHILDREN CAUTION

Si usted no entienda la etiqueta, busque a alguien para que se la explique a usted en detalle.

(If you do not understand the label, find someone to explain it to you in detail.)

See below for additional Precautionary Statements.

	FIRST AID
lf swallowed:	<ul> <li>Call a poison control center or doctor immediately for treatment advice.</li> <li>Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by the poison control center or doctor.</li> <li>Do not give anything by mouth to an unconscious person.</li> </ul>
lf on skin or clothing:	<ul> <li>Take off contaminated clothing.</li> <li>Rinse skin immediately with plenty of water for 15-20 minutes.</li> <li>Call a poison control center or doctor for treatment advice.</li> </ul>
lf inhaled:	<ul> <li>Move person to fresh air.</li> <li>If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible.</li> <li>Call a poison control center or doctor for further treatment advice.</li> </ul>
lf in eyes:	<ul> <li>Hold eye open and rinse slowly and gently with water for 15-20 minutes.</li> <li>Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.</li> <li>Call a poison control center or doctor for treatment advice.</li> </ul>
	HOT LINE NUMBER
	container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact SafetyCall at 1-844-685-9173 for Il treatment information.

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

Aquesta™ 4 F is not manufactured, or distributed by FMC Corporation, seller of Authority®, Spartan®, & Zeus®



HERBICIDE

GROUP

14

#### PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS CAUTION

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

Applicators, mixers, loaders, and other pesticide handlers must wear:

- · Long-sleeved shirt and long pants,
- Chemical-resistant gloves,
- Shoes plus socks

Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product. Do not re-use them.

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.

# **USER SAFETY RECOMMENDATIONS**

#### Users should:

- Wash hands 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 outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

#### **ENVIRONMENTAL HAZARDS**

This pesticide is toxic to marine/estuarine invertebrates. Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark. Drift and runoff may be hazardous to terrestrial and aquatic plants in neighboring areas. Do not contaminate water when disposing of equipment washwaters or rinsate.

#### Groundwater advisory:

This chemical is known to leach through soil into groundwater under certain conditions as a result of label use. Use of this chemical in areas where soils are permeable, particularly where the water table is shallow, may result in groundwater contamination.

Do not use on coarse soils classified as sand, which have less than 1% organic matter.

#### Surface water advisory:

Sulfentrazone can contaminate surface water through spray drift. Under some conditions, sulfentrazone may also have a high potential for runoff into surface water (primarily via dissolution in runoff water), for several to many months post-application. These include poorly draining or wet soils with readily visible slopes toward adjacent surface waters, frequently flooded areas, and areas overlying extremely shallow groundwater, areas with in-field canals or ditches that drain to surface water, areas not separated from adjacent surface waters with vegetated filter strips, and areas over-lying tile drainage systems that drain to surface waters.

Do not use or store near heat or open flame.

# PHYSICAL OR CHEMICAL HAZARDS

#### DIRECTIONS FOR USE

Not for Residential Use.

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

Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application.

Applicators must not exceed labeled rates of this product. Refer to specific crop directions for use for maximum use rates. Calculate the 12 month period for the purpose of maximum use rates from when Aquesta 4 F is first applied. 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. These Aquesta 4 F requirements 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.

Personal Protective Equipment (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 over-long-sleeved shirt and long pants

- chemical-resistant gloves made of any waterproof material
- shoes plus socks

#### WEED RESISTANCE MANAGEMENT

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

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

- Rotate the use of Aquesta 4 F or other Group 14 herbicides within a growing season sequence or among growing seasons with different herbicide groups that control the same weeds in a field.
- Use tank mixtures with herbicides from a different group if such use is permitted; where information on resistance in target weed species is available, use the less resistance-prone partner at a rate that will control the target weed(s) equally as well as the more resistance-prone partner. Consult your local extension service or certified crop advisor if you are unsure as to which active ingredient is currently less prone to resistance.
- Adopt an integrated weed-management program for herbicide use that includes scouting and uses historical information related to herbicide use and crop rotation, and that considers tillage ( or other mechanical control methods), cultural (e.g., higher crop seeding rates; precision fertilizer application method and timing to favor the crop and not the weeds), biological (weed-competitive crops or varieties) and other management practices.
- Scout after herbicide application to monitor weed populations for early signs of resistance development. Indicators of possible herbicide resistance include: (1) failure to control a weed species normally controlled by the herbicide at
  the dose applied, especially if control is achieved on adjacent weeds; (2) a spreading patch of non-controlled plants of a particular weed species; (3) surviving plants mixed with controlled individuals of the same species. If resistance
  is suspected, prevent weed seed production in the affected area by an alternative herbicide from a different group or by a mechanical method such as hoeing or tillage. Prevent movement of resistant weed seeds to other fields by
  cleaning harvesting and tillage equipment when moving between fields, and planting clean seed.
- If a weed pest population continues to progress after treatment with this product, discontinue use of this product, and switch to another management strategy or herbicide with a different mode of action, if available.
- · Contact your local extension specialist or certified crop advisors for additional pesticide resistance-management and/or integrated weed-management recommendations for specific crops and weed biotypes.
- · For further information or to report suspected resistance, contact Atticus, LLC (984) 465-4800.

#### PRODUCT INFORMATION

Aquesta 4 F is a soil-applied selective herbicide. It will control listed grasses, sedges and broadleaf weeds. Aquesta 4 F is a flowable product that contains 4 pounds of active ingredient (sulfentrazone) per gallon.

The active ingredient sulfentrazone inhibits an enzyme required by plants in order to produce chlorophyll.

Inhibiting this enzyme leads to the release of singlet oxygen (0) which then disrupts cellular membranes, resulting in cellular leakage and cellular death ultimately resulting in plant death.

Aquesta 4 F has a selective mode of action because sulfentrazone has a greater affinity for the PRO IX enzyme in listed weed species as opposed to listed crops.



Aquesta 4 F must be prepared and used in such a way so as to prevent the following:

- spills
- improper disposal of spray mixtures, rinsate or any excess pesticide
- back siphoning in wells

#### Setback

The following activities must not be carried out within 50 feet of any well (including drainage and abandoned wells) unless the activity is carried out on an impervious pad that has been built to withstand the heaviest possible weight that will be moved across the pad or placed upon it:

- LoadingMixing
- Washing/rinsing Aguesta 4 F from application equipment

The impervious pad must be made to contain any leaks or spills, as well as any rinsate/washwaters and rain that may fall upon it. An impervious pad that does not have a roof must have enough capacity to contain a minimum of 110% of the volume of the largest container that will be placed on the pad. There are covered by a roof must have enough capacity to contain a minimum of 100% of the volume of the largest container that will be placed on the pad. There are covered by a roof must have enough capacity to contain a minimum of 100% of the volume of the largest container that will be placed on the pad. The roof must be big enough to completely exclude contact with the pad from rainfall.

The above containment volume minimum must be maintained. The minimum capacity volumes do not apply to the following:

· Vehicles delivering pesticide product to the load/mix area

Applicators must ensure that they are aware of any State requirements for containment and set back from wells.

The impervious pad must be self-contained so that surface water cannot flow over or from one pad. They must also be sloped to allow for material removal.

Do not load or mix Aquesta 4 F within 50 feet of any sinkholes, reservoirs, impounded or natural lakes, wells (including drainage and abandoned wells) or intermittent/perennial rivers and streams. This restriction does not apply where there are properly diked loading/mixing areas or impervious pads. The restriction also does not apply where abandoned wells are properly plugged or capped.

#### **APPLICATION INSTRUCTIONS**

Apply this product in one of the following ways:

- as a surface application, pre-emergence treatment (i.e. before crop and/or weed emergence)
- as a incorporated treatment prior to planting
- Post-plant application
- Over-the-top

layby

For further detail, refer to the Crop Specific Use Directions below.

When Aquesta 4 F is used as an incorporated treatment, the product must be incorporated following a uniform surface application to a depth of 2 inches maximum. If it is incorporated to a greater depth, reduced control of target species may result. Applicators must ensure that there is no overlap between areas that have been treated with Aquesta 4 F due to soil movement. Such an overlap could cause an adverse crop response.

When Aquesta 4 F is soil applied or applied as a post-plant treatment, the herbicidal action of the product must be activated by moisture. The amount of moisture required depends upon a number of factors including:

- soil type
- organic matter content
- tilth
- · existing soil moisture at the time of treatment

For an effective application of **Aquesta 4 F**, 0.5 to 1 inch of irrigation or rainfall is required within 7 to 10 days following treatment. If that level of moisture is not received, shallow incorporation must be undertaken in order to obtain sufficient control of target species. Activating moisture can be delayed for 10-14 days, and sometimes longer, depending on the factors listed above. If activating moisture is delayed, however, control of listed species may be reduced, due to the growth of weeds during the delay.

When Aquesta 4 F has been activated, it will provide control of listed weed species. The level of control will depend on the size and type of weed species when Aquesta 4 F is activated. The control of listed germinating weed species will be reduced when rain or irrigation follows a period of dry weather.

Apply Aquesta 4 F prior to the germination of crop seeds in order to avoid damage to emerging seedlings. Crop damage may occur where treatment is delayed if seeds are germinating, or are close to the soil surface.

If Aquesta 4 F is applied by surface application and activation has not been triggered by rainfall, or irrigation (1/2" to 1" moisture) within 10 days of treatment, make a shallow incorporation (less than 2") of the product so that germinating weed species can be controlled. Soil incorporation will also facilitate product activation with existing soil moisture.

Where there is prolonged periods when rainfall/irrigation is not available, alternative weed control methods should be considered.

Follow Crop Specific Use Directions exactly and with care, particularly for post plant treatments.

Lay-by/Over-the-top applications provide control of listed species through contact and residual control (depending on weed species).

Combining this product with a surfactant may improve control of listed species, but may also increase the risk of crop injury.

Applicators must be aware that certain crops will react differently to treatment with Aquesta 4 F according to the following factors:

- use rate
- specific crop species sensitivity
- soil composition

Once a treatment with Aquesta 4 F has been made, seedlings and germinating seeds absorb sulfentrazone from the soil solution. The amount of available active ingredient contained in the soil solution, is determined by the following factors:

- soil type
- soil pH
- · soil organic matter content



Sulfentrazone is adsorbed by the organic matter and clay parts of soils. This absorption reduces the amount of active ingredient available for weed uptake. Clay content in soil tends to increase as the soil gets finer. Crop Use Directions are indicated per soil types. Refer to the following chart to determine the category of a particular soil type:

	Sand
Coarse Soil	Loamy Sand
	Sandy Loam
	Sandy clay loam
	Sandy Clay
Medium Soil	Loam
	Silt Loam
	Silt
	Silty clay loam
Fine Soil	Silty clay
riië Sui	Clay loam
	Clay

The organic matter soil will vary widely within soil classifications. In order to assess organic matter soil content, a detailed analysis will be required.

The amount of sulfentrazone available for uptake by weed species will increase as the pH of the soil increases. The pH of the soil must be accurately assessed using representative soil samples. In addition, irrigation with water with a high pH (i.e. alkaline water) following treatment, will increase the amount of available sulfentrazone for uptake by target species. However, if irrigation water pH exceeds 7.5, crop damage may result. The likelihood of an adverse response by crops will decrease as the growth stage of crops advances.

The use rate of this product will be determined by the following factors:

- Timing of treatment
- The amount of activating moisture (rainfall/irrigation)
- Soil parameters
- Soil pH

The Crop Specific Use Directions (below) for each crop, are based on:

- soil type
- soil organic matter
- soil pH interactions

The performance of Aquesta 4 F and crop tolerance is based on strictly following the Crop Specific Use Directions.

#### Application by Air

- Aerial application is allowed only when environmental conditions prohibit ground application.
- Aerial applications will be allowed when the field is too wet to safely apply pesticides using ground equipment.
- The maximum release height must be 10 feet from the top of the crop canopy, unless a greater application is required for pilot safety.
- · Apply Aquesta 4 F using appropriate nozzles that will allow for optimal coverage, will minimize drift and will keep fine spray droplets to a minimum.
- When Aquesta 4 F is allowed to be applied by air, applicator must use a minimum finished spray volume of 5 gallons per acre.
- Do not apply Aquesta 4 F when wind speed is likely to cause drift outside the target area.

#### Application by Ground

- Apply Aquesta 4 F using a boom and nozzle sprayer with the appropriate spray tips, screens and nozzles. Application equipment must be calibrated for optimal coverage and spray distribution at the appropriate pressure.
- The maximum release height is 30 inches from the soil.
- Use spray nozzles that will minimize drift by keeping fine spray droplets to a minimum.
- Apply Aquesta 4 F in a minimum spray volume of 10 gallons per acre. Avoid overlapping applications which may result in excessive treatment and adverse crop response. When starting, turning or stopping, slower ground speed of application equipment may also lead to excessive treatment
- · When this product is tank mixed with a contact burndown herbicide, spray volume must be at least 15 gallons per acre.
- Do not apply Aquesta 4 F when wind speed is likely to cause drift outside the target area.

#### **Chemigation Application**

Aquesta 4 F may be applied through sprinkler irrigation systems including center pivot, lateral move, end tow, solid set, or hand move irrigation systems. Do not apply this product through any other type of irrigation system. Do not connect any irrigation system (including greenhouse systems) used for pesticide application to a public water system. Crop injury, lack of effectiveness or illegal residues on or in the crop can result from non-uniform distribution of treated water. If you have questions about calibration, you should contact State Extension Service specialists, equipment manufacturers, or other experts. A person knowledgeable of the chemigation system and responsible for its operation, or under the 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 also 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 the supply tank when the irrigation systems 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 of materials that are compatible with pesticides and capable of being fitted with a system interlock.

Aquesta 4 F should be metered into the irrigation system continuously for the duration of the water application. Aquesta 4 F should be diluted in sufficient volume to insure accurate application over the area to be treated. Use the appropriate amount of water to carry the product to the soil surface. Continuous agitation is required to maintain product suspension in the solution tank. A jar test should be conducted to ensure that phase separation would not occur during dilution and application. Failure to achieve a uniform dilution throughout the time of application may result in undesirable residues or less than desirable weed control. Flush the lines at the completion of the application and then turn the water off promptly.

When using water from public water systems; D0 NOT APPLY AQUESTA 4 F THROUGH ANY IRRIGATION SYSTEM PHYSICALLY CONNECTED TO A PUBLIC WATER SYSTEM. Public water system means a system for the provision to the public of piped water for human consumption if such system has at least 15 service connections or regularly serves an average of at least 25 individuals daily at least 60 days of the year. Aquesta 4 F may be applied through irrigation systems, which may be supplied by a public water system only if water from the water system is discharged into a reservoir tank prior to pesticide introduction. There shall be a complete physical break (air gap) between the outlet end of the fill pipe and to top or overflow rim of the reservoir tank of at least twice the inside diameter of the fill pipe. Before beginning chemigation, always make sure that the air gap exists and that there is no blockage of the overflow of the reservoir tank.



Crop response to treatment with Aquesta 4 F will depend on the following factors:

- application rate and timing
- volume of water applied and pH
- sensitivity of crop type to treatment with  $\ensuremath{\textbf{Aquesta 4 F}}$
- growth stage of the crop when irrigated

The amount of sulfentrazone available for uptake by weed species will increase as the pH of the soil increases. The pH of the soil must be accurately assessed using representative soil samples. In addition, irrigation with water with a high pH (i.e. alkaline water) following treatment, will increase the amount of available sulfentrazone for uptake by target species. However, if irrigation water pH exceeds 7.5, crop damage may result. The likelihood of an adverse response by crops will decrease as the growth stage of crops advances.

# Application in Combination with Dry Fertilizers

- Aquesta 4 F may impregnated on and applied in conjunction with a dry bulk fertilizer.
- Only apply, combinations of this product and dry fertilizer with ground equipment.
- Do not apply via aerial application.
- Applicators using dry fertilizer must follow state regulations on the preparation of the Aquesta 4 F/fertilizer combination, including mixture preparation, storage, transportation, selling and treatment.

# Directions for Dry Fertilizer Impregnation:

1. Use the following method for impregnation:

- 1. Ensure that spray nozzles are calibrated and positioned for uniform Aquesta 4 F coverage of the dry fertilizer during the mixture process.
- 2. Make a slurry with Aquesta 4 F and water in a clean container.
- 3. Once made, add the Aquesta 4 F/water slurry to the impregnation spray tank.
- 4. Finish the solution by adding water as required.
- 2. For impregnation and application of Aquesta 4 F and dry fertilizer, use a dry bulk fertilizer blender such as a closed rotary-drum mixer that is fitted with appropriate spray application equipment.
- 3. See the CLEANING APPLICATION EQUIPMENT section (below) prior to cleaning equipment used for impregnation, transportation, loading and application of the Aquesta 4 F/dry fertilizer combination.
- 4. DO NOT attempt to impregnate coated ammonium nitrate or limestone with Aquesta 4 F as neither can absorb the herbicide.

#### Application instructions for **Aquesta 4 F** impregnated dry fertilizers:

Dry fertilizer impregnated with Aquesta 4 F must be applied using a dry fertilizer spreader. The application equipment must be correctly calibrated for sufficient and uniform coverage of the soil surface. If treatment is not uniform, some areas may go untreated which may cause reduced control of target species.

X 2000 + Lbs. dry bulk fertilizer applied per acre

- · Avoid overlapping applications, which may cause labeled use rates to be exceeded, and may cause adverse crop response.
- Apply the dry fertilizer/ Aquesta 4 F combination at a rate of at least 200 pounds of impregnated dry bulk fertilizer per acre in order to provide sufficient soil coverage
  - $\circ~$  See the appropriate crop specific section of this label for the use rate of Aquesta 4 F per acre
- Next, use the following equation to calculate the amount of Aquesta 4 F that must be used to impregnate 2000 pounds (one ton) of dry bulk fertilizer

#### Fl. oz. of Aquesta 4 F to be applied per ton of Dry Bulk Fertilizer = Fl. oz. of Aquesta 4 F per acre

## Example 1: If use rate of Aquesta 4 F is 8 fl. oz. per acre, and 200 lbs fertilizer will be applied per acre:

(8) (2000 / 200) = 80 fl. oz Aquesta 4 F per ton of dry bulk fertilizer

Example 2: If use rate of Aquesta 4 F is 12 fl. oz. per acre and 400 lbs fertilizer will be applied per acre:

#### (12) (2000 / 400) = 60 fl. oz. Aquesta 4 F per ton of dry bulk fertilizer Application in Combination with Liquid Fertilizers

- Aquesta 4 F, when applied in combination with a liquid fertilizer will provide control of listed weeds.
- Sufficient soil coverage is crucial for control of target species.
- · Fertilizer solutions that may be used as a carrier for Aquesta 4 F may be concentrate formulations as blended or diluted in water.

#### Directions for Liquid Fertilizer Combination:

- The selected spray system must have the spray capacity to allow uniform application of the treatment solution, and must be capable of maintaining agitation in the spray tank throughout the mixture and application procedures.
- · Some spray application systems might need separate pumps to apply the solution and maintain agitation at the same time.
- Prior to combining the liquid fertilizer and Aquesta 4 F in the application tank, carry out a compatibility test to ensure that the mixture is stable, homogenous and compatible [In a lidded glass jar (~1 quart size), add all mix
  partners, in their relative proportions. Invert, shake or mix the jar thoroughly. If mixture forms precipitates (flakes or sludge), gels, balls up or forms oily films or layers, this indicates incompatibility. Though signs of incompatibility
  will typically be seen within 5 minutes of mixing, mixture should be observed for approximately 30 minutes].

#### Combine Aquesta 4 F and the carrier liquid fertilizer as follows:

- 1. Fill a clean spray tank 1/2 full of fertilizer solution.
- 2. Begin agitation of the fertilizer solution.
- 3. Use a clean container to create a slurry of Aquesta 4 F and water (equal parts of both)\*.
- 4. Add the slurry slowly to the spray tank, continuing agitation throughout.
- 5. Rinse the slurry mix container and add rinsate solution to spray tank.
- 6. Finish filling spray tank to required level.
- 7. Maintain agitation throughout. The Aquesta 4 F/water slurry must be mixed thoroughly prior to application.
- \* For best mixing of the Aquesta 4 F/water slurry, add the slurry using induction systems on the sprayer fill plumbing system.
- · Read and follow the label of each tank mix product used for precautionary statements, directions for use, rates and timings, and other restrictions.

#### Application instructions for Aquesta 4 F mixed with liquid fertilizers:

- The spray application solution must be applied immediately following preparation.
- Maintain agitation throughout mixture and application.
- Do not store spray solution in the spray tank for an extended period of time, or overnight.
- A combination of  ${\bf Aquesta} \; {\bf 4} \; {\bf F}$  and liquid fertilizer must not be premixed in nurse tanks.
- Applicators/sellers of liquid fertilizer must follow state regulations for liquid fertilizers, including those regarding preparation, blending, registration, transportation, selling, treatment and storage.

# Band Treatment Applications

Aquesta 4 F can be applied as a banded treatment application. When calculating rates for band treatment, apply the equivalent volume per acre rate for broadcast treatment by using the following equation:

Band Rate or Volume	=	Broadcast Rate (fl. oz./acre) or Volume Per acre	Х	Band width (in inches)	+	Row width (in inches)

# Mixing and Loading Instructions

• Aquesta 4 F may be applied on its own or in combination with other herbicides for a broader spectrum of weed control. Combinations with other products may not have been tested, therefore, carry out a compatibility test before mixing and applying [In a lidded glass jar (~1 quart size), add all mix partners, in their relative proportions. Invert, shake or mix the jar thoroughly. If mixture forms precipitates (flakes or sludge), gels, balls up or forms oily films or layers, this indicates incompatibility. Though signs of incompatibility will typically be seen within 5 minutes of mixing, mixture should be observed for approximately 30 minutes.



- 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.
- Spray equipment must be clean and free of product residue prior to mixing an application solution of Aquesta 4 F. Refer to Cleaning Directions below and to the cleaning directions of the product(s) previously applied.
- Mix Aquesta 4 F using the following procedure:
- 1. Fill a clean spray tank with 1/2 of Water required for treatment.
- 2. Begin agitation.
- 3. Use a clean container to create a slurry of Aquesta 4 F and water\*.
- 4. Add the slurry slowly to the spray tank, continuing agitation throughout.
- 5. Rinse the slurry mix container and add rinsate solution to spray tank.
- 6. Finish filling spray tank to required level.
- 7. Maintain agitation throughout. The Aquesta 4 F/water slurry must be mixed thoroughly prior to application.
- \* For best mixing of the Aquesta 4 F/water slurry, add the slurry using induction systems on the sprayer fill plumbing system.
- The spray application solution must be applied immediately following mixture.
- Maintain agitation throughout mixture and application.
- Do not store spray solution in the spray tank for an extended period of time, or overnight.
- A tank mixture containing Aquesta 4 F must not be premixed in nurse tanks.

#### **Cleaning Application Equipment**

Adverse crop reaction may result if residues of this product are left in spray equipment following application. Spray equipment must be cleaned immediately after treatment with Aquesta 4 F, and before applications with other products.

Use the following procedure:

- 1. Drain the spray application equipment, including tank, hoses, spray boom and nozzles.
- 2. Clean inside the spray tank with a high-pressure detergent, removing residues and sediment.
- 3. Thoroughly rinse the spray tank.
- 4. Flush the spray system out using water, including hoses, spray boom and spray nozzles.
- 5. Combine 3 gallons of ammonia (with a minimum of 3% active ingredient) in 100 gallons of water. Make sufficient cleaning solution to operate the spray application equipment for a minimum of 15 minutes so that the system is thoroughly flushed.
- 6. Remove spray tips, and all screens and filters and clean separately using the ammonia solution (step 5).
- 7. Leave the cleaning solution or water in the nozzles, spray booms, hoses and spray tank overnight (or during storage) to ensure thorough cleaning.
- 8. Drain the system completely prior to re-use. Use clean water to rinse/flush nozzles, spray booms, hoses and the spray tank. Remove spray tips, and all screens and filters and clean separately using the ammonia solution (step 5).
- 9. Dispose of rinsate and excess cleaning solution in compliance with Federal, State, and local regulations and guidelines.
- · Rinsate and cleaning solution must not be applied to sensitive crops.
- Spray application equipment must not be stored for any extended period while Aquesta 4 F application solution remains in the spray lines, nozzles, strainers, or boom plumbing.
- When application equipment has been idle or in storage, flush the nozzles and spray boom with clean water prior to use for application of product.
- If small amounts of this product remain in equipment after cleaning, Aquesta 4 F may be released during later applications, which may cause an adverse reaction from certain crops/other vegetation. The applicator is solely responsible for any damage caused by equipment that is not properly cleaned.
- Equipment must not be flushed or drained near desirable plants/trees.
- · Ensure that bodies of water are not contaminated with application solution, rinsate or cleaning solution, including water that may be used for other crops, i.e. irrigation water.

#### Spray Drift

#### Aerial Applications

- Aerial application is allowed only when environmental conditions prohibit ground application.
- · For aerial application, the maximum release height must be 10 ft from the top of the crop canopy, unless a greater application height is required for pilot safety.
- When this product is allowed to be applied by air, applicator must use a minimum finished spray volume of 5 gallons per acre.
- Select nozzles and application pressure that deliver medium to coarse or larger spray droplets as indicated in the nozzle manufacturer's recommendations and in accordance with ASABE\* Standard S-572.
- Select coarse to very coarse droplet size when sulfentrazone is used as a preemergent/preplant application. (ASABE S572.1).
- Select medium to very coarse droplet size when sulfentrazone is used postemergence with a contact burndown herbicide.
- Do not apply as spray droplets smaller than medium to coarse (defined by the ASABE\* standard).
- The boom length must not exceed 65% of the wingspan for airplanes or 75% of the rotor blade diameter for helicopters.
- Applicators must use 1/2 swath displacement upwind at the downwind edge of the field.
- Nozzles must be oriented so the spray is directed toward the back of the aircraft.
- Applicators may spray only when wind speed is between 3 and 10 mph.
- Do not apply during temperature inversions.

#### **Ground Applications**

- Apply with the nozzle height recommended by the manufacturer, but no more than 3 feet above the ground or crop canopy.
- · Select nozzles and application pressure that deliver medium to coarse or larger spray droplets as indicated in the nozzle manufacturer's recommendations and in accordance with ASABE\* Standard S-572.
- Select coarse to very coarse droplet size when sulfentrazone is used as a preemergent/preplant application. (ASABE S572.1).
- Select medium to very coarse droplet size when sulfentrazone is used postemergence with a contact burndown herbicide.
- Do not apply as spray droplets smaller than medium to coarse (defined by the ASABE\* standard).
- Applicators may spray only when wind speed is between 3 and 10 mph.
- Do not apply during temperature inversions.
- Ground applicators must use a minimum finished spray volume of 10 gallons per acre.
- . When sulfentrazone is tank mixed with a contact burndown herbicide, ground applicators must use a minimum spray volume of 15 gallons per acre.

#### **Boom-less Ground Applications:**

- Select nozzles and application pressure that deliver medium to coarse or larger spray droplets as indicated in the nozzle manufacturer's recommendations and in accordance with ASABE\* Standard S-572.
- Select coarse to very coarse droplet size when sulfentrazone is used as a preemergent/preplant application. (ASABE S572.1).
- Select medium to very coarse droplet size when sulfentrazone is used postemergence with a contact burndown herbicide.
- Do not apply as spray droplets smaller than medium to coarse (defined by the ASABE\* standard).
- Applicators may spray only when wind speed is between 3 and 10 mph.
- Do not apply during temperature inversions.
- Ground applicators must use a minimum finished spray volume of 10 gallons per acre.
- When sulfentrazone is tank mixed with a contact burndown herbicide, ground applicators must use a minimum spray volume of 15 gallons per acre.



Spray Drift (continued)

#### Spray Drift Advisories

• THE APPLICATOR IS RESPONSIBLE FOR AVOIDING OFF-SITE SPRAY DRIFT.

• BE AWARE OF NEARBY NON-TARGET SITES AND ENVIRONMENTAL CONDITIONS.

• IMPORTANCE OF DROPLET SIZE

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

Controlling Droplet Size - Ground Boom

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

• Spray Nozzle - Use a spray nozzle that is designed for the intended application. Consider using nozzles designed to reduce drift.

- Controlling Droplet Size Aircraft
- · Adjust Nozzles Follow nozzle manufacturers recommendations for setting up nozzles. Generally, to reduce fine droplets, nozzles should be oriented parallel with the airflow in flight.
- BOOM HEIGHT Ground Boom
- Use the lowest boom height that is compatible with the spray nozzles that will provide uniform coverage. For ground equipment, the boom should remain level with the crop and have minimal bounce.
- RELEASE HEIGHT Aircraft

Higher release heights increase the potential for spray drift. When applying aerially to crops, do not release spray at a height greater than 10 ft above the crop canopy, unless a greater application height is necessary for pilot safety.
 SHIELDED SPRAYERS

- Shielding the boom or individual nozzles can reduce spray drift. Consider using shielded sprayers. Verify that the shields are not interfering with the uniform deposition of the spray on the target area.
- TEMPERATURE AND HUMIDITY
- When making applications in hot and dry conditions, use larger droplets to reduce effects of evaporation.
- TEMPERATURE INVERSIONS

Drift potential is high during a temperature inversion. Temperature inversions are characterized by increasing temperature with altitude and are common on nights with limited cloud cover and light to no wind. The presence of an inversion can be indicated by ground fog or by the movement of smoke from a ground source or an aircraft smoke generator. Smoke that layers and moves laterally in a concentrated cloud (under low wind conditions) indicates an inversion, while smoke that moves upward and rapidly dissipates indicates good vertical air mixing. Avoid applications during temperature inversions.

- WIND
- Drift potential generally increases with wind speed. AVOID APPLICATIONS DURING GUSTY WIND CONDITIONS.
- Applicators need to be familiar with local wind patterns and terrain that could affect spray drift.
- Boom-less Ground Applications:
- Setting nozzles at the lowest effective height will help to reduce the potential for spray drift.
- Handheld Technology Applications:
- Take precautions to minimize spray drift.

## CALIFORNIA ONLY SPECIFIC RESTRICTIONS ON APPLICATIONS OF Aquesta 4 F

Runoff Ground Water Protection Areas. Do not use in areas identified by the California Department of Pesticide Regulation as runoff ground water protection areas\* unless one of the following management practices can be met:

- a) Soil disturbance. Within seven days before this product is applied, the soil to be treated shall be disturbed by using a disc, narrow, rotary tiller, or other mechanical method. This subsection does not apply to the area to be treated that is immediately adjacent to the crop row and that does not exceed 33 percent of the distance between crop row or in citrus, to the band from the tree row to the dripline; or
- b) Incorporation of the pesticide. Within 48 hours after the day this product is applied, the pesticide shall be incorporated on at least 90 percent of the area treated; using a disc, harrow, rotary tiller, or other mechanical method, or by sprinkler or low flow irrigation, including chemigation where allowed by the label, using a minimum of ¼ inch of irrigation water and a maximum of one inch as described under Application Instructions, at application rates that do not cause surface water runoff from the treated property or to wells on the treated property; or
- c) Band treatment: This product is applied as band treatment immediately adjacent to the crop row so that not more than 33 percent of the distance between rows is treated, or, in citrus, not more than the area from the tree row to the dripline is treated; or
- d) Timing of application. This product is applied between April 1 and July 31; or
- e) Retention of runoff on field. For six months following the application, the field shall be designed, by berms, levees, or nondraining circulation systems, to retain all irrigation runoff and all precipitation on, and drainage through, the field. The retention area on the field shall not have a percolation rate of more than 0.2 inches per hour (5 inches per 24 hours); or
- f) Retention of runoff in a holding area off the field. For six months following application, all runoff shall be channeled to a holding area off the application site, under the control of the property owner, that is designed to retain all irrigation runoff and all precipitation on, and drainage through, the treated field and all other areas draining onto that holding area. The holding area shall not have a percolation rate of more than 0.2 inches per hour (5 inches per 24 hours); or
- g) Runoff onto a fallow field. For six months following application, runoff shall be managed so that it runs off onto an adjacent unenclosed fallow field at least 300 feet long that is not irrigated for six months after application with the exception of the addition of adequate moisture that is required for herbicidal activation following application as described under Application Instructions, with full consideration of any plant back restrictions.

#### Leaching Ground Water Protection Areas. Do not use in areas designated by the California

Department of Pesticide Regulation as leaching ground water protection areas\* unless either (a) the user does not apply any irrigation water for six months following the application of this product, or (b) the user applies this product to the planting bed or the berm above the level of irrigation water in the furrow or basin and the water level shall remain at or below that level for six months following application of the exception of the addition of adequate moisture that is required for herbicidal activation following application as described under Application Instructions, or (c) irrigation is managed so that the ratio of the amount of irrigation water applied divided by the net irrigation requirement is 1.25 or less for six months following application of this product.

\*Consult with your County Agricultural Commissioner to determine whether the application will be within an area designated by the California Department of Pesticide Regulation as either a Runoff Ground Water Protection Area or a Leaching Ground Water Protection Area or a valiable via the internet at <a href="http://www.cdpr.ca.gov/docs/emon/ehap.htm">http://www.cdpr.ca.gov/docs/emon/ehap.htm</a>

#### **REPLANTING AND ROTATIONAL CROPS**

- During replanting, keep soil tillage to a minimum so that the herbicide barrier is preserved, thereby maximizing weed control.
- In the event-that the-planting of crops listed in label directions does not produce a stand, only crops specified in this label or the tank mix partner may be planted. Where there is a tank mixture, the most restrictive label directions must be followed.



- The planted area must not be retreated with Aquesta 4 F or any other-product containing sulfentrazone.
- Do not plant crops in previously treated areas unless in full compliance with the Rotational Restrictions (below)

Cron	Rotation:	Refer to	the table	e helow	for the	minimum	interval	from	the tim	e Anne	sta A	F was	e last a	annlied	until t	treated	areas	can he	renlanted	with list	d cron	19
υιυμ	1101211011.	1/0101 10	LITE LAND			IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII	IIIIGIVAI	110111		C Myuci	ola 4	I waa	ιαδια	applicu	unun	ucalcu	aicas	Gall NC	τοριαπισα		շս եւսբ	19.

Crop	Minimum Rotational Interval
Barley	
Pue -	1 months
Triticale	4 months
Wheat	
Corn, Field	
Rice	10 months
Sorghum <sup>1</sup>	
Alfalfa	
Cereal Grains (Buckwheat, Oats, Pearl Millet, Proso Millet, Teosinte, Wild Rice)	12 months
Sweet Potatoes	
Corn, Pop	
Corn, Sweet	18 months
Cotton	
Canola	24 months
Asparagus	
Berries	
Brassica, head and stem (Broccoli and Cabbage)	
Brassica, leafy greens	
	Crops can be planted at any point following the application of Aquesta 4 F
Cowpea, succulent (TN Only)	
Dry Shell Peas and Beans	
Flax	
Fruiting Vegetables (except cucurbits), Okra	
Grapes	
Horseradish	
Lima beans, succulent (TN Only)	
Melons	
Mint	
Peanuts	
Potatoes	
Rhubarb	
Soybeans	Crops can be planted at any point following the application of Aquesta 4 F
Strawberry	crops can be planted at any point rollowing the application of Aquesta 4 1
Succulent peas	
Sugarcane	
Sunflower subgroup 20B	
Tobacco	
Tree nuts	
Turf	
Turnips	
Wheat, spring (Pacific Northwest states ID, OR, WA only)	

<sup>1</sup>18 month minimum rotational interval for sorghum where use rates are greater than 8 fl. oz. of Aquesta 4 F per acre

• Certain crops have a rotational interval of more than 12 months because of sensitivity and the risk of crop injury. Carry out a representative bioassay of the target area on the rotational crop in order to assess the crop's sensitivity to applications of this product.

• For all crops not listed in the table above, there must be a minimum rotational interval of 12 months.

For all Tank Mixtures: It is the pesticide user's responsibility to ensure that all products are registered for the intended use. Read and follow the applicable restrictions and 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.



	LISTED WEED SPECIES	
When applied in accordance with these label directions (alone or in a tar	k mixture), <b>Aquesta 4 F</b> will provide control of the following weed species (refer to a	eron specific section for more details):
Amaranth, livid (Amaranthus lividus)	Morningglory, purple (Ipomoea turbinate)	
Amaranth, Palmer (Amaranthus palmeri)	Morningglory, red (Ipomoea coccinea L)	
Amaranth, Powell (Amaranthus Powell II)	Morningglory, scarlet (Ipomoea coccinea)	
Amaranth, spiny (Amaranthus spinosus)	Morningglory, smallflower (Jacquemontia tamnifolia)	
Amaranth, spleen (Amaranthus dubius)	Morningglory, tall (Ipomoea purpurea)	
Anoda, spurred (Anoda cristata)	Mustard, tumble (Sisybrium altissimum)	
Bedstraw, catchweed (Galium aparine)	Nightshade, black (Solanum nigrum)	
Carpetweed (Mollugo verticillata)	Nightshade, Eastern black (Solanum ptycanthum)	
Chickweed, common (Stellaria media)	Nutsedge, purple (Cyperus rotundus)	
Copperleaf, hophornbeam (Acalypha ostryeafolia)	Nutsedge, yellow (Cyperus esculentus)	
Copperleaf, Virginia (Acalypha virginica)	Orchardgrass (Dactylis glomerata)	
Crabgrass, large (Digitaria sanguinalis)	Panicum, fall (Panicum dichotomiflorum)	
Crabgrass, smooth (Digitaria ischaemum)	Pigweed, redroot (Amaranthus retroflexus)	
Crabgrass, Southern (Digitaria ciliaris)	Pigweed, smooth (Amaranthus hybridus)	
Croton, tropic (Croton glandulosus) Crownbeard, golden (Verbesina encelioides)	Plantain, blackseed (Plantago rugelii decne) Plantain, narrow-leaved (Plantago lanceolata)	
Cupgrass, wooly (Erichloa villosa)	Poorjoe (Diodia feres)	
Cyperus, hedgehog (Cyperus compressus)	Porophyllum (Porophyllum rederale)	
Daisy, American (Eclipta alba)	Poinsettia, wild (Euphorbia heterophylla)	
Devilsclaw (Proboscidea Louisiana)	Purslane, common (Portulaca oleracea)	
Dock, curly (Rumex crispus)	Redmaids (Calandrinia ciliate)	
Eclipta (Eclipta prostrate)	Redweed (Melochia corchorifolia)	
Filaree, redstem (Erodium cicutarium)	Sedge annual (Carex spp.)	
Flixweed (Descurainia sophia)	Senna, coffee (Cassia occidentalis)	
Galinsoga, hairy (Galinsoga ciliate)	Sheperdspurse (Capsella bursa-pastoris)	
Goosegrass (Eleusine indica)	Sida, prickly (Sida spinosa)	
Groundcherry, clammy (seedling) (Physalis heterophylla)	Sida, Southern (Sida acuta)	
Groundcherry, cutleaf (Physalis angulate)	Signalgrass, broadleaf (Brachiaria platyphylla)	
Jimsonweed (Datura stramonium)	Smartweed, PA (seedling) (Polygonum pensylvanicum)	
Kochia (ALS and Triazine Resistant) (Kochia scoparia)	Smellmellon (Cucumis melo)	
Ladysthumb (Polygonum persicaria) Lambsquarters, common (Chenopodium album)	Starbur, bristly (Acanthospermum hispidum)	
Lettuce, miners (Montia perfoliata)	Stinkgrass (Eragrostis cilianensis) Toadflax, yellow (Linaria vulgaris)	
Mallow, common (Malva neglecta wall r.)	Tassleflower, red (Emilio sonchifolia)	
Mayweed, Chamomile (Anthemis cotula I.)	Thistle, Russian (Salsola kali)	
Milkweed, honeyvine (Ampelamus albiduis)	Waterhemp, common (Amaranthus rudis)	
Morningglory, entireleaf (Ipomoea hederacea integriuscula)	Waterhemp, tall (Amaranthus tuberculatos)	
Morningglory, ivyleaf (Ipomoea hederacea hederacea)	Waterprimrose, winged (Ludwigia decurrens)	
Morningglory, palmleaf (Ipomoea wrightii)	Witchgrass (Panicum capillare)	
	ASPARAGUS	
Aquesta 4 F can be applied preemergence in the spring, prior to weed	and crop emergence. Apply to asparagus crowns that have been established for at lea	ast one year.
When applied as indicated on this label, the following weeds in asparage	is will be controlled with Aquesta 4 F	
Amaranth, Palmer Galinsoga, hairy Lambsquarte		
Morningglory, ivyleaf Nightshade, Eastern black Nutsedge, ye	llow	
Pigweed (redroot, smooth)		
See Listed Weed Species section of this label for information on addit	ional weeds.	
Application Rates		Important
For Coarse Textured Soils		<ul> <li>Read and follow all precautions, instructions, rotational crop guidelines, replanting instructions, and any other information on this</li> </ul>
<ul> <li>Less than 1.5% OM, apply 4.5 - 6.0 fl. oz. (0.14-0.19 lb. a.i.) Aquest</li> <li>1.5% to 3.0% OM, apply 6.0 - 8.0 fl. oz. (0.19-0.25 lb a.i.) Aquesta</li> </ul>	•	label prior to use
<ul> <li>Greater than 3.0% OM, apply 8.0 - 10.1 fl. oz. (0.15-0.25 lb a.i.) Aquesta</li> </ul>		<ul> <li>Consult with university or extension weed management specialists</li> </ul>
For Medium Textured Soils		for information on using <b>Aquesta 4 F</b> with specific local varieties or
<ul> <li>Less than 1.5% OM, apply 6.0 - 8.0 fl. oz. (0.19-0.25 lb a.i.) Aquest</li> </ul>	a 4 F ner acre	cultivars of asparagus
<ul> <li>1.5% to 3.0% OM, apply 8.0 - 10.1 fl. oz. (0.25-0.316 lb a.i.) Aquest</li> </ul>		• Do not apply more than 0.375 lbs sulfentrazone (12.0 fl. oz. product)
• Greater than 3.0% OM, apply 10.1 - 12.0 fl. oz. (0.316-0.375 lb a.i.)	•	per acre per 12 month period.
For Fine Textured Soils		Pre-harvest interval (PHI) is 14 days
• Less than 1.5% OM, apply 8.0 fl. oz. (0.25 lb a.i.) Aquesta 4 F per	acre	• Do not make more than one Aquesta 4 F application in a 12 month
• 1.5% to 3.0% OM, apply 10.1 fl. oz. (0.316 lb a.i.) Aquesta 4 F per		period. The 12 month period starts at the point of first application.
• Greater than 3.0% OM, apply 12.0 fl. oz. (0.375 lb a.i.) Aquesta 4 l	F per acre	• Do not use on soils that contain less than 1% organic matter (soils
OM - Organic Matter		classified as 'sand')
Consult preceding information regarding Coarse, Medium or Fine soil ca	tegories. Use rate is inversely dependent on soil pH - use higher Aquesta 4 F rates	

Consult preceding information regarding Coarse, Medium or Fine soil categories. Use rate is inversely dependent on soil pH - use higher Aquesta 4 F rates with lower soil pH rates (7.0 and lower) and lower Aquesta 4 F rates with higher soil pH rates (greater than 7.0).

Application Instructions: Apply amount of Aquesta 4 F indicated above to the soil in the spring, before crop or weeds have emerged. Apply product in 10 to 40 gallons of finished spray per acre.

Tank Mixes: For control of a broader spectrum of weeds or pests, Aquesta 4 F can be mixed with other pesticides registered for use on asparagus. 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.



## BERRIES (Crop Group 13-07)\*

(Aronia berry, bayberry, bearberry, bilberry, blackberry (including Andean blackberry, arctic blackberry, bingleberry, black satin berry, boysenberry, brombeere, California blackberry, Chesterberry, Cherokee blackberry, Himalayaberry, hullberry, lavacaberry, loganberry, lowberry, Lucretiaberry, mammoth blackberry, marionberry, mora, mures deronce, nectarberry, Northern dewberry, Oregon evergreen berry, phenomenalberry, rangeberry, ravenberry, rossberry, Shawnee blackberry, Southern dewberry, tayberry, youngberry, zarzamora, and cultivars, varieties and/or hybrids or these), blueberry (highbush, lowbush), buffalo currant, buffaloberry, chew, Chilean guava, chokecherry, cloudberry, cranberry (highbush), currant (black, red), elderberry, European barberry, gooseberry, honeysuckle (edible, jostaberry), Juneberry (Saskatoon berry), kiwifruit (fuzzy, hardy), lingonberry, maypop, mountain pepper berries, mulberry, muntries, native currant, partridgeberry, phalsa, pincherry, raspberry (black, red), riberry, salal, schisandra berry, sea buckthorn, serviceberry, wild raspberry, cultivars, varieties, and or/hybrids of these)

To control susceptible weeds, make a broadcast application of Aquesta 4 F to soil when no weeds are present or in a tank mix with a postemergence herbicide for control of emerged weeds. Make applications to crops that have been established for one full growing season and are healthy and vigorous.

See Listed Weed Species section of this label for information on controlled weeds.

See Listed weed Species section of this label for information on controlled weeds.	
*Not for Use in California	
Application Rates and Instructions:	Important:
Apply with ground application equipment only.	• Read and follow all precautions, instructions, rotational crop
• Apply when soil is moist and application will be followed by 1/2" rainfall or irrigation within two weeks after application. Time applications to take advantage	
of normal rainfall and cool temperatures, especially if using drip or micro sprinkler irrigation which may not provide uniform incorporation into the soil.	label prior to use.
Apply amount of Aquesta 4 F indicated below under "Broadcast applications" to orchard and vineyard floors, to berry beds, and furrows as a single uniform	Consult with university or extension weed management specialists
broadcast soil application or as a uniform band application directed to the base of the tree trunk in trees and vines and to the base of the berry and beds in berries.	for information on using <b>Aquesta 4 F</b> with specific local varieties or cultivars of berries.
<ul> <li>Apply in a minimum of 10 gallons of spray solution per acre. The spray solution pH should be 5.0-9.0 and nozzles must meet manufacturer's spray volume and pressure specifications for pre-emergence and post-emergence herbicide applications.</li> </ul>	<ul> <li>Do not apply more than 12.0 fl. oz. product per acre (0.375 lb. Al/A) per year (12-month period from when Aquesta 4 F is first applied).</li> </ul>
• Wrap the trunks of green bark, young vines, and trees with a non-porous wrap, grow tubes, or wax containers to avoid Aquesta 4 F contact with green	• Do not apply Aquesta 4 F to green tissue, crop foliage, or fruit.
tissues.	<ul> <li>Do not make aerial applications.</li> </ul>
• Broadcast applications: Make a single application of 4.0-12.0 fl. oz. (0.125-0.375 lb a.i.) per acre.	• Do not apply after petal fall unless using a hooded or shielded sprayer
• Banded applications: Refer to the following chart for the appropriate rate and volume of Aquesta 4 F to be applied. Aquesta 4 F can be applied twice	to avoid contact with foliage and fruit.
in one year (50% or less bands). For band treatments, apply the broadcast rate and volume per acre. To determine these:	• Do not apply when heavy crop trash is present (leaves/branches/weed
<b>Band rate</b> = $\frac{\text{Band With}(ft)}{\text{Band Start}(ft)} \times X$ Broadcast Rate/Acre	residue). Clean the area to be treated prior to applying Aquesta 4 F.
Row Within Feet	• Do not apply to powdery soils or soils where windy conditions may
Band Width y Band Width	displace soil unless soil can be irrigated immediately after treatment.
Band volume = Feet X Broadcast Volume/Acre	<ul> <li>Pre-harvest interval (PHI) is 3 days.</li> </ul>
	• If banded treatments are made, wait a minimum of 60 days between
Control/Suppression of Sedge/Nutsedge:	applications. Do not exceed the seasonal maximum use rate.
Make a post-emergence application of <b>Aquesta 4 F</b> at 12 fl. oz, per acre.	
<ul> <li>Use 25% volume/volume non-ionic surfactant (NIS).</li> <li>Dest approach applications may be most effective since Approach 4 F is showhed into the plant through the follows and watter</li> </ul>	
<ul> <li>Post-emergence applications may be most effective since Aquesta 4 F is absorbed into the plant through the foliage and roots</li> </ul>	
<ul> <li>Pre-emergence applications of Aquesta 4 F will suppress sedges, but will not provide complete control.</li> <li>For extend operated of number of 4.0.5.0.51 on part and followed by a 2<sup>nd</sup></li> </ul>	
<ul> <li>For optimal control of purple nutsedge, make split applications of Aquesta 4 F. Make an initial application of 4.0-6.0 fl. oz. per acre followed by a 2<sup>nd</sup></li> <li>application to actively growing purple nutsedge. Do not exceed the province manifestion rate of 10.0 fl. oz. per acre followed by a 2<sup>nd</sup></li> </ul>	
application to actively growing purple nutsedge. Do not exceed the maximum application rate of 12.0 fl. oz. per acre per year. Option control may not occur until the 20 <sup>rd</sup> uses often the initial confliction of Augusta A F	
until the 2 <sup>nd</sup> year after the initial application of <b>Aquesta 4 F</b> .	
Tank Mixes: Aquesta 4 F can be split applied or mixed with burndown herbicides or residual soil herbicides labeled for use on berries to control emerged	
weeds or broaden the herbicide control spectrum. Do not tank mix with products containing flumioxazin or sulfentrazone. Read and follow the label of each	
tank mix product used for precautionary statements, directions for use, rates and timings, and other restrictions.	
Replanting in New or Established Orchards and Vineyards: Wait at least 30 days after applying Aquesta 4 F before replanting trees and vines in newly	
planted and established orchards and vineyards. Use untreated soil when replanting trees and vines.	



BRASSICA, HEAD AND STEM*	
(Broccoli, Chinese broccoli, brussels sprouts, Chinese (napa) cabbage, Chinese mustard, cauliflower, cavalo broccoli, kohlrabi)	
To control susceptible weeds, <b>Aquesta 4 F</b> can be applied to head and stem brassica a the following times:	
In the fall (Preplant), before spring growing season	
In the spring (early preplant, preplant incorporated, preemergence)	
When applied as indicated on this label, the following weeds in head and stem brassica will be controlled with Aquesta 4 F	
Galinsoga, hairy Lambsquarters, common Pigweed, redroot	
Waterhemp (common, tall)	
See Listed Weed Species section of this label for information on additional weeds.	
*Not for Use in California	
Application Rates	Important
For Coarse Textured Soils	• Read and follow all precautions, instructions, rotational crop
<ul> <li>Less than 1.5% 0M, apply 2.25 - 3.0 fl. oz. (0.07-0.095 lb a.i.) Aquesta 4 F per acre</li> </ul>	guidelines, replanting instructions, and any other information on this
• 1.5% to 3.0% OM, apply 3.0 - 6.0 fl. oz. (0.095-0.19 lb a.i.) Aquesta 4 F per acre	label prior to use
• Greater than 3.0% OM, apply 6.0 - 9.0 fl. oz. (0.19-0.28 lb a.i.) Aquesta 4 F per acre	· Consult with university or extension weed management specialists
For Medium Textured Soils	for information on using Aquesta 4 F with specific local varieties or
<ul> <li>Less than 1.5% 0M, apply 3.0 - 4.5 fl. oz. (0.095-0.14 lb a.i.) Aquesta 4 F per acre</li> </ul>	cultivars of head and stem brassica
• 1.5% to 3.0% OM, apply 6.0 - 9.0 fl. oz. (0.19-0.28 lb a.i.) <b>Aquesta 4 F</b> per acre	• Do not apply more than 0.375 lbs sulfentrazone (12.0 fl. oz. product)
• Greater than 3.0% OM, apply 6.0 - 12.0 fl. oz. (0.19-0.375 lb a.i.) Aquesta 4 F per acre	per acre per 12 month period. The 12 month period starts at the point
For Fine Textured Soils	of first application (including preplant fall application)
<ul> <li>Less than 1.5% OM, apply 3.0 - 6.0 fl. oz. (0.095-0.19 lb a.i.) Aquesta 4 F per acre</li> </ul>	Do not use on soils that contain less than 1 % organic matter (soils
• 1.5% to 3.0% OM, apply 6.0 - 9.0 fl. oz. (0.19-0.28 lb a.i.) Aquesta 4 F per acre	classified as 'sand')
• Greater than 3.0% OM, apply 6.0 -12.0 fl. oz. (0.19-0.375 lb a.i.) Aquesta 4 F per acre	Product is not to be incorporated any deeper than 2 inches
OM - Organic Matter	
Consult preceding information regarding Coarse, Medium or Fine soil categories. Use rate is inversely dependent on soil pH - use higher Aquesta 4 F rates	
with lower soil pH rates (7.0 and lower) and lower <b>Aquesta 4 F</b> rates with higher soil pH rates (greater than 7.0).	
Application Instructions: Apply amount of Aquesta 4 F indicated above to stubble or to the soil surface, in the fall, or in the spring up to 72 hours	
before transplanting. Unless applying preplant incorporated, do not incorporate the product into the soil after application. Destroying the herbicide barrier by mechanically incorporating can allow weed escapes to occur. If applying this product preplant incorporated in the spring, prior to transplantation, mix	
thoroughly or shallowly incorporate the <b>Aquesta 4 F</b> into the soil. Inconsistent weed control could result if product is incorporated deeper than the maximum	
incorporation depth of 2 inches. Moisture (in the form of rain or snow) after application will activate and move the product into the soil. To prevent runoff of	
Aquesta 4 F from snowmelt or rain, do not apply Aquesta 4 F to soils that are frozen or have an existing snow cover.	
Tank Mixes: Aquesta 4 F rom showmer of ram, do not apply Aquesta 4 F to sons that are noted to have an existing show cover. Tank Mixes: Aquesta 4 F can be split applied or mixed with burndown herbicides or residual soil herbicides labeled for use on head and stem brassica to	
control emerged weeds or broaden the herbicide control spectrum.	
Read and follow the label of each tank mix product used for precautionary statements, directions for use, rates and timings, and other restrictions.	
	1



BRASSICA, LEAFY GREENS*	
(Broccoli raab, Chinese (bok choy) cabbage, collards, kale, mizuna, mustard greens, mustard sp To control susceptible weeds, Aquesta 4 F can be applied to brassica, leafy greens at the following times: In the fall (Preplant), before spring growing season In the spring (early preplant, preplant incorporated, preemergence)	inach, rape greens)
When applied as indicated on this label, the following weeds in brassica, leafy greens will be controlled with <b>Aquesta 4 F</b> : Galinsoga, hairy Lambsquarters, common Pigweed, redroot Waterhemp (common, tall)	
See Listed Weed Species section of this label for information on additional weeds	
*Not for Use in California	
Application RatesFor Coarse Textured SoilsLess than 1.5% 0M, apply 2.25 - 3.0 fl. oz. (0.07-0.095 lb a.i.) Aquesta 4 F per acre1.5% to 3.0% 0M, apply 3.0 - 6.0 fl. oz. (0.095-0.19 lb a.i.) Aquesta 4 F per acreGreater than 3.0% 0M, apply 6.0 - 6.4 fl. oz. (0.19-0.2 lb a.i.) Aquesta 4 F per acreFor Medium Textured SoilsLess than 1.5% 0M, apply 3.0 - 4.5 fl. oz. (0.095-0.14 lb a.i.) Aquesta 4 F per acreFor Medium Textured SoilsLess than 1.5% 0M, apply 3.0 - 4.5 fl. oz. (0.095-0.14 lb a.i.) Aquesta 4 F per acre6 Greater than 3.0% 0M, apply 6.0 - 6.4 fl. oz. (0.19-0.2 lb a.i.) Aquesta 4 F per acre6 Greater than 3.0% 0M, apply 6.0 - 6.4 fl. oz. (0.19-0.2 lb a.i.) Aquesta 4 F per acreFor Fine Textured SoilsLess than 1.5% 0M, apply 3.0 - 6.0 fl. oz. (0.19-0.2 lb a.i.) Aquesta 4 F per acreFor Fine Textured SoilsLess than 3.0% 0M, apply 6.0 - 6.4 fl. oz. (0.19-0.2 lb a.i.) Aquesta 4 F per acreGreater than 3.0% 0M, apply 6.0 - 6.4 fl. oz. (0.19-0.2 lb a.i.) Aquesta 4 F per acreOf Greater than 3.0% 0M, apply 6.0 - 6.4 fl. oz. (0.19-0.2 lb a.i.) Aquesta 4 F per acreConsult preceding information regarding Coarse, Medium or Fine soil categories. Use rate is inversely dependent on soil pH - use higher Aquesta 4 F rateswith lower soil pH rates (7.0 and lower) and lower Aquesta 4 F rates with higher soil pH rates (greater than 7.0).Application Instructions: Apply amount of Aquesta 4 F indicated above to stubble or to the soil after application. Destroying the herbicide barrierbefore transplanting. Unless applying preplant incorporated, do not incorporate the product into the soil after application. Destroying the herbicide barrierby mechanica	<ul> <li>Important</li> <li>Read and follow all precautions, instructions, rotational crop guidelines, replanting instructions, and any other information on this label prior to use</li> <li>Consult with university or extension weed management specialists for information on using Aquesta 4 F with specific local varieties or cultivars of brassica, leafy greens</li> <li>Do not apply more than 0.2 lbs sulfentrazone (6.4 fl. oz. product) per acre per 12 month period. The 12 month period starts at the point of first application (including preplant fall application)</li> <li>Do not use on soils that contain less than 1% organic matter (soils classified as 'sand')</li> <li>Product is not to be incorporated any deeper than 2 inches</li> </ul>
Moisture (in the form of rain or snow) after application will activate and move the product into the soil. To prevent runoff of Aquesta 4 F from snowmelt or rain, do not apply Aquesta 4 F to soils that are frozen or have an existing snow cover.	
Tank Mixes: Aquesta 4 F can be split-applied or mixed with burndown herbicides or residual soil herbicides labeled for use on brassica, leafy greens to control emerged weeds or broaden the herbicide control spectrum.         Read and follow the label of each tank mix product used for precautionary statements, directions for use, rates and timings, and other restrictions.	
SPE	



CABBAGE (Transplanted only)	
To control susceptible weeds, Aquesta 4 F can be applied cabbage (transplanted only) at the following times:	
In the fall (Preplant), before spring growing season	
In the spring (early preplant, preplant incorporated, preemergence)	
When applying early preplant to cabbage, the product may be applied only in CO,ID, MI, MN, MT, NE, ND, OR, SD, WA, WI, WY.	
When applied as indicated on this label, the following weeds in cabbage will be controlled with Aquesta 4 F:	
Galinsoga, hairy Lambsquarters, common Pigweed, redroot	
Waterhemp (common, tall)	
See Listed Weed Species section of this label for information on additional weeds.	
Application Rates	Important
For Coarse Textured Soils	• Read and follow all precautions, instructions, rotational crop guidelines,
<ul> <li>Less than 1.5% 0M, apply 2.25 - 3.0 fl. oz. (0.07-0.095 lb a.i.) Aquesta 4 F per acre</li> </ul>	replanting instructions, and any other information on this label prior
• 1.5% to 3.0% OM, apply 3.0 - 6.0 fl. oz. (0.095-0.19 lb a.i.) Aquesta 4 F per acre	to use
• Greater than 3.0% OM, apply 6.0 – 9.0 fl. oz. (0.19-0.28 lb a.i.) Aquesta 4 F per acre	Consult with university or extension weed management specialists
For Medium Textured Soils	for information on using Aquesta 4 F with specific local varieties or
<ul> <li>Less than 1.5% OM, apply 3.0 - 4.5 fl. oz. (0.095-0.14 lb a.i.) Aquesta 4 F per acre</li> </ul>	cultivars of brassica, leafy greens
<ul> <li>1.5% to 3.0% OM, apply 6.0 – 9.0 fl. oz. (0.19-0.28 lb a.i.) Aquesta 4 F per acre</li> </ul>	• Do not apply more than 0.375 lbs sulfentrazone (12.0 fl. oz. product)
Greater than 3.0% OM, apply 6.0 – 12.0 fl. oz. (0.19-0.375 lb a.i.) Aquesta 4 F per acre	per acre per 12 month period. The 12 month period starts at the point
For Fine Textured Soils	of first application (including preplant fall application)
• Less than 1.5% OM, apply 3.0 - 6.0 fl. oz. (0.095-0.19 lb a.i.) Aquesta 4 F per acre	• Do not use on soils that contain less than 1% organic matter (soils
• 1.5% to 3.0% OM, apply 6.0 – 9.0 fl. oz. (0.19-0.28 lb a.i.) Aquesta 4 F per acre	classified as 'sand')
• Greater than 3.0% OM, apply 6.0 – 12.0 fl-oz (0.19-0.375 lb a.i.) Aquesta 4 F per acre	<ul> <li>Product is not to be incorporated any deeper than 2 inches</li> </ul>
OM - Organic Matter	
Consult preceding information regarding Coarse, Medium or Fine soil categories. Use rate is inversely dependent on soil pH - use higher Aquesta 4 F rates	
with lower soil pH rates (7.0 and lower) and lower <b>Aquesta 4 F</b> rates with higher soil pH rates (greater than 7.0).	
Application Instructions: Apply amount of Aquesta 4 F indicated above to stubble or to the soil surface, in the fall, or in the spring from 60 days prior to	
planting or transplanting up to 72 hours after transplant. Unless applying preplant incorporated, do not incorporate the product into the soil after application.	
Destroying the herbicide barrier by mechanically incorporating can allow weed escapes to occur.	
If applying preemergence, applications before transplant can be broadcast or banded. Preemergence applications up to 72 hours after transplant should be a	
banded treatment in the row middles.	
If applying this product preplant incorporated in the spring, prior to transplantation, mix thoroughly or shallowly incorporate the Aquesta 4 F into the soil.	
Inconsistent weed control could result if product is incorporated deeper than the maximum incorporation depth of 2 inches.	
Moisture (in the form of rain or snow) after application will activate and move the product into the soil. To prevent runoff of Aquesta 4 F from snowmelt or	
rain, do not apply Aquesta 4 F to soils that are frozen or have an existing snow cover.	
Tank Mixes: Aquesta 4 F can be split-applied or mixed with burndown herbicides or residual soil herbicides labeled for use on cabbage to control emerged	
weeds or broaden the herbicide control spectrum.	
Read and follow the label of each tank mix product used for precautionary statements, directions for use, rates and timings, and other restrictions.	
SP	

# CITRUS (Crop Group 10)

(Australian desert lime*, Australian finger-ling*, Australian round lime*, Brown River finger lime*, calamodin*, citron*, citrus hybrids*, grapefruit*, Japanese summer gra	apefruit*, kumquat*, lemon,	lime*,
Mediterranean mandarin*, mount white lime*, New Guinea wild lime*, orange (sour*, sweet)*, pummelo*, Russell River lime*, satsuma mandarin*, sweet lime*, tachibar	ia orange*, Tahini lime*, tar	ngelo*,
tangerine (mandarin)*, tangor*, trifoliate orange*, uniq fruit*, cultivars*, varieties*, and/or hybrids of these)		

To control susceptible weeds, apply Aquesta 4 F when no weeds are present or in a tank mix with a postemergence herbicide for control of emerged weeds. Make applications to crops that have been established for one full growing season and are healthy and vigorous.

See Listed Weed Species section of this label for information on controlled weeds.

*Not for Use in California	
Application Rates and Instructions:	Important:
Apply with ground application equipment only.	• Read and follow all precautions, instructions, rotational crop
• Apply when soil is moist and application will be followed by ½" rainfall or irrigation within two weeks after application. Time applications to take advantage	guidelines, replanting instructions, and any other information on this
of normal rainfall and cool temperatures, especially if using drip or micro sprinkler irrigation which may not provide uniform incorporation into the soil.	label prior to use.
Apply amount of Aquesta 4 F indicated below under "Broadcast applications" to orchard and vineyard floors, to berry beds, and furrows as a single uniform	Consult with university or extension weed management specialists
broadcast soil application or as a uniform band application directed to the base of the tree trunk in trees and vines and to the base of the berry and beds in berries.	for information on using <b>Aquesta 4 F</b> with specific local varieties or cultivars of citrus.
• Apply in a minimum of 10 gallons of spray solution per acre. The spray solution pH should be 5.0-9.0 and nozzles must meet manufacturer's spray volume	• Do not apply more than 12.0 fl. oz. product per acre (0.375 lb. AI/A)
and pressure specifications for pre-emergence and post-emergence herbicide applications.	per year (12-month period from when Aquesta 4 F is first applied).
• Wrap the trunks of green bark, young vines, and trees with a non-porous wrap, grow tubes, or wax containers to avoid Aquesta 4 F contact with green	• Do not apply Aquesta 4 F to green tissue, crop foliage, or fruit.
tissues.	<ul> <li>Do not make aerial applications.</li> </ul>
• Broadcast applications: Make a single application of 4.0-12.0 fl. oz. (0.125-0.375 lb a.i.) per acre.	• Do not apply after petal fall unless using a hooded or shielded sprayer
• Banded applications: Refer to the following chart for the appropriate rate and volume of Aquesta 4 F to be applied. Aquesta 4 F can be applied twice	to avoid contact with foliage and fruit.
in one year. For band treatments, apply the broadcast rate and volume per acre. To determine these:	• Do not apply when heavy crop trash is present (leaves/branches/weed
Band rate = <u>Band Width (ft.)</u> Row Within Feet X Broadcast Rate/Acre	residue). Clean the area to be treated prior to applying <b>Aquesta 4 F</b> .
Row Within Feet	• Do not apply to powdery soils or soils where windy conditions may
Band volume = $\frac{Band Width}{Feet}$ X Broadcast Volume/Acre	<ul> <li>displace soil unless soil can be irrigated immediately after treatment.</li> <li>Pre-harvest interval (PHI) is 3 days.</li> <li>If banded treatments are made, wait a minimum of 60 days between</li> </ul>
Control/Suppression of Sedge/Nutsedge:	applications. Do not exceed the seasonal maximum use rate.
Make a post-emergence application of Aquesta 4 F at 12 fl. oz, per acre.	
Use 25% volume/volume non-ionic surfactant (NIS).	
Post-emergence applications may be most effective since Aquesta 4 F is absorbed into the plant through the foliage and roots	
Pre-emergence applications of Aquesta 4 F will suppress sedges, but will not provide complete control.	
• For optimal control of purple nutsedge, make split applications of Aquesta 4 F. Make an initial application of 4.0-6.0 fl. oz. per acre followed by a 2 <sup>nd</sup>	
application to actively growing purple nutsedge. Do not exceed the maximum application rate of 12.0 fl. oz. per acre per year. Option control may not occur	
until the 2 <sup>nd</sup> year after the initial application of <b>Aquesta 4 F</b> .	
Tank Mixes: Aquesta 4 F can be split applied or mixed with burndown herbicides or residual soil herbicides labeled for use on citrus to control emerged	
weeds or broaden the herbicide control spectrum. Read and follow the label of each tank mix product used for precautionary statements, directions for use,	
rates and timings, and other restrictions.	-
Replanting in New or Established Orchards and Vineyards: Wait at least 30 days after applying Aquesta 4 F before replanting trees and vines in newly	
planted and established orchards and vineyards. Use untreated soil when replanting trees and vines.	



CORN (Field Corn, Seed Corn, Popcorn)* For use only with Varieties tolerant to PPO Herbicides	
To control susceptible broadleaves, grasses and sedges in corn, Aquesta 4 F can be applied to corn at the following times:	
In the fall (Preplant), before spring planting of com	
In the spring (Early Preplant, Preplant Incorporated or Postemergence) prior to planting	
*Not for Use in California	
Application Rates	Important
For Coarse Textured Soils	• Read and follow all precautions, instructions, rotational crop
• Up to 3.0 % 0M, apply 3.0 to 4.5 fl. oz. (0.095-0.14 lb a.i.) Aquesta 4 F per acre	guidelines, replanting instructions, and any other information on this
• Greater than 3.0% OM, apply 3.75 to 6.0 fl. oz. (0.12-0.19 lb a.i.) Aquesta 4 F per acre	label prior to use
For Medium Textured Soils	· Consult with university or extension weed management specialists
Less than 1.5% OM, apply 3.0 to 4.5 fl. oz. (0.095-0.14 lb a.i.) Aquesta 4 F per acre	for information on using Aquesta 4 F with specific local varieties
• 1.5% to 3.0% OM, apply 3.75 to 6.0 fl. oz. (0.12-0.19 lb a.i.) Aquesta 4 F per acre	or cultivars of corn
Greater than 3.0% OM, apply 4.5 to 6.75 fl. oz. (0.14-0.21 lb a.i.) Aquesta 4 F per acre	• Do not apply more than 0.375 lbs sulfentrazone (12.0 fl. oz. product)
For Fine Textured Soils	per acre per 12 month period. If making a preplant fall application, the
<ul> <li>Less than 1.5% OM, apply 3.75 to 5.25 fl. oz. (0.12-0.165 lb a.i.) Aquesta 4 F per acre</li> </ul>	12 month period starts at this point.
• 1.5% to 3.0% OM, apply 4.5 to 6.75 fl. oz. (0.14-0.21 lb a.i.) Aquesta 4 F per acre	• To prevent runoff of Aquesta 4 F from snowmelt or rain, do not apply
• Greater than 3.0% OM, apply 6.0 to 8.0 fl. oz. (0.19-0.25 lb a.i.) Aquesta 4 F per acre	Aquesta 4 F to soils that are frozen or have an existing snow cover.
OM - Organic Matter	Do not use on soils that contain less than 1% organic matter (soils     less find as lead)
Consult preceding information regarding Coarse, Medium or Fine soil categories. Use rate is inversely dependent on soil pH - use higher Aquesta 4 F rates with lower soil pH rates (7.0 and lower) and lower Aquesta 4 F rates with higher soil pH rates (greater than 7.0).	classified as 'sand')
Application Instructions: Apply amount of Aquesta 4 F indicated above to stubble or to the soil surface, in the fall or in the spring 45 days prior to planting	
up to 3 days after planting (if seed furrow is closed completely and seedlings have not broken the soil surface), using a broadcast or banded soil application	
Aquesta 4 F can be applied in conventional, conservation, reduced or no tillage cropping systems. For application in the fall or up to 14 day prior to planting	
in the spring, use the mid to higher rate range for your soil type, because of the extended time period between application and planting.	
If applying this product preplant incorporated in the spring, mix thoroughly or shallowly incorporate the Aquesta 4 F into the soil using a field cultivator	
disk harrower, field finisher or other correctly adjusted incorporation tool. Inconsistent weed control could result if product is incorporated deeper than the	
maximum incorporation depth of 2 inches.	
Moisture (in the form of rain or snow) should occur after application to move the product into the soil. If dry conditions persist, a shallow incorporation may	
be needed.	
For maximum weed control, disturb the soil surface as little as possible after application. Minimize soil disturbance when planting into soil that has been treated	
with Aquesta 4 F. Destroying the herbicide barrier by mechanically incorporating can allow weed escapes to occur. To prevent runoff of Aquesta 4 F from	
snowmelt or rain, do not apply Aquesta 4 F to soils that are frozen or have an existing snow cover.	
More effective season-long control of existing weeds that are difficult to control or late emerging weeds can be obtained by applying Aquesta 4 F in a split	
or sequential application.	
Tank Mixes: Aquesta 4 F can be mixed with burndown herbicides or residual soil herbicides to control emerged weeds. Aquesta 4 F can be mixed with	
insecticides including insecticides that contain the active ingredients (Mustang Max or Capture EC) to control cutworms, armyworms or other insect pests	
Read and follow the label of each tank mix product used for precautionary statements, directions for use, rates and timings, and other restrictions.	

	DRY SHELLED BEANS AND PEAS* ; bean (Phaseolus) (includes field bean, kidney bean, lima bean (dry), navy bean, pinto bean, tepary bean h bean, lentil, mung bean, rice bean, southern pea, urd bean); broad bean (dry); chickpea; guar; lab lab l	
To control susceptible weeds, Aquesta 4	F can be applied to dry shelled beans at the following times:	
In the fall (Preplant), before spring grow	ing season (only in CO, ID, KS, MI, MN, MT, NE, ND, OR, SD, WA, WI, WY).	
In the spring (early preplant, preplant inc	orporated, preemergence)	
When applied as indicated on this label, Amaranth, Palmer	the following weeds in dry shelled beans and peas will be controlled with <b>Aquesta 4 F</b> : Filaree, redstem	
Kochia (ALS and Triazone resistant)	Lambsquarters, common	
Morningglory (ivyleaf, tall)	Nightshade, Eastern black	
Pigweed (red root, smooth)	Sida, prickly	
Thistle, Russian	Waterhemp (common, tall)	
See Listed Weed Species section of th *Not for Use in California	is label for information on additional weeds.	
Application Rates		Important
For Coarse Textured Soils		<ul> <li>Reduce rate of Aquesta 4 F on coarse textured soil with organic</li> </ul>
	l fl. oz. (0.07-0.095 lb a.i.) <b>Aquesta 4 F</b> per acre	matter less than 1.5% and pH of 7.8 or higher, or on highly eroded
	z. (0.095-0.14 lb a.i.) <b>Aquesta 4 F</b> per acre	soils, or in areas of calcareous outcroppings to minimize adverse crop
	6.0 fl. oz. (0.12-0.19 lb a.i.) Aquesta 4 F per acre	response.
For Medium Textured Soils		Planting less than 1 inch in depth or inadequate seed furrow closure or
• Less than 1.5% OM, apply 3.0 - 4.5	fl. oz. (0.095-0.14 lb a.i.) <b>Aquesta 4 F</b> per acre	poor growing conditions (diseases, low temperature, soil compaction,
• 1.5% to 3.0% OM, apply 3.75 - 6.0 f	I. oz. (0.12-0.19 lb a.i.) Aquesta 4 F per acre	excessive moisture) can also cause adverse crop response.
• Greater than 3.0% OM, apply 4.5 - 6	.75 fl. oz. (0.14-0.21 lb a.i.) <b>Aquesta 4 F</b> per acre	· Read and follow all precautions, instructions, rotational crop
For Fine Textured Soils		guidelines, replanting instructions, and any other information on this
• Less than 1.5% OM, apply 3.0 - 4.5.	fl. oz. (0.095-0.14 lb a.i.) <b>Aquesta 4 F</b> per acre	label prior to use
• 1.5% to 3.0% OM, apply4.5-6.0 fl.oz	(0.14-0.19 lb a.i.) Aquesta 4 F per acre	· Consult with university or extension weed management specialists
• Greater than 3.0% OM, apply 5.25 -	8.0 fl. oz. (0.165-0.25 lb a.i.) <b>Aquesta 4 F</b> per acre	for information on using Aquesta 4 F with specific local varieties or
OM - Organic Matter		cultivars of dry beans and peas
Consult preceding information regarding	Coarse, Medium or Fine soil categories. Use rate is inversely dependent on soil pH - use higher Aquesta 4 F rates	• Do not apply more than 0.25 lbs sulfentrazone (8.0 fl. oz product) per
with lower soil pH rates (7.0 and lower) a	and lower <b>Aquesta 4 F</b> rates with higher soil pH rates (greater than 7.0).	acre per 12 month period. The 12 month period starts at the point of
	It of <b>Aquesta 4 F</b> indicated above to stubble or to the soil surface, in the fall, or in the spring from 60 days prior to the furrow is completely closed and if seedlings have not broken the soil furrow).	<ul> <li>first application (including preplant fall application)</li> <li>Do not use on soils that contain less than 1% organic matter (soils</li> </ul>
When applying preplant fall applications	s, do not incorporate the product into the soil after application. Destroying the herbicide barrier by mechanically	classified as 'sand')
incorporating can allow weed escapes to	occur. Moisture (in the form of rain or snow) after application will activate and move the product into the soil. To	Product is not to be incorporated any deeper than 2 inches
prevent runoff of Aquesta 4 F from sno	wmelt or rain, do not apply Aquesta 4 F to soils that are frozen or have an existing snow cover.	• If seedlings are close to soil surface or crop has emerged, do not
When applying in the spring early prepla	nt greater than three weeks prior to planting, use the higher rate listed in 'Application Rates' for appropriate soil and	apply Aquesta 4 F
	7 days after application to plant in coarse textured soils with less than 1.5% organic matter. Moisture (in the form of	• To prevent runoff of <b>Aquesta 4 F</b> from snowmelt or rain, do not apply
5	ion to move the product into the soil. If dry conditions persist, a shallow incorporation may be needed. If applying this	Aquesta 4 F to soils that are frozen or have existing snow cover.
	ng prior to planting reduced and conventional tillage dry beans and dry peas, mix thoroughly or shallowly incorporate	
	nt weed control could result if product is incorporated deeper than the maximum incorporation depth of 2 inches.	
	applied or mixed with burndown herbicides or soil-applied herbicides labeled for use on dry beans and peas to control	
	control spectrum. Read and follow the label of each tank mix product used for precautionary statements, directions	
for upo rotop and timinga, and other road		

for use, rates and timings, and other restrictions.



FALLOW OR POST HARVEST BURNDOWN Fall application (MN, ND, SD, MT, CO, NE, WY, ID, WA, OR, WI, MI)	
Or Spring Preemerge application	
To control or suppress susceptible weeds (including the weed list indicated below, and additional weeds indicated in the Weeds Controlled portion of this labe In the Fall: after crop has been harvested	l, <b>Aquesta 4 F</b> can be applied at the following times:
In the spring before weeds have emerged.	
• Fall applications can be made in the states of MN, ND, SD, MT, CO, NE, WY, ID, OR, WI or MI	
Spring application can be made to existing fallow fields of asparagus, cabbage, corn, dry shell peas and beans, horseradish, limas, mint, peanuts, potatoe	s, soybeans, sugarcane, sunflowers, or tobacco
When applied as indicated on this label, Aquesta 4 F will control the following weeds:	
Filaree, redstem Kochia (ALS and Triazine Resistant)	
Lambsquarters, common Morningglory (ivyleaf, tall)	
Nightshade, Eastern Black Pigweed (redroot, smooth)	
Thistle, Russian Waterhemp (common, tall)	
See Listed Weed Species section of this label for information on additional weeds.	· · · ·
Application Rates	Important
For Coarse Textured Soils <ul> <li>Less than 1.5% OM, apply 3.0 to 3.75 fl. oz. (0.095-0.12 lb a.i.) Aquesta 4 F per acre</li> </ul>	<ul> <li>Read and follow all precautions, instructions, replanting instructions, and any other information on this label prior to use</li> </ul>
<ul> <li>Less train 1.5% to 3.0 % OM, apply 3.75 to 5.25 fl. oz. (0.12-0.165 lb a.i.) Aquesta 4 F per acre</li> <li>1.5% to 3.0 % OM, apply 3.75 to 5.25 fl. oz. (0.12-0.165 lb a.i.) Aquesta 4 F per acre</li> </ul>	<ul> <li>Follow rotational crop guidelines listed on this table when planting</li> </ul>
<ul> <li>Greater than 3.0% OM, apply 4.5 to 6.0 fl. oz. (0.12-0.103 lb a.i.) Aquesta 4 F per acre</li> <li>Greater than 3.0% OM, apply 4.5 to 6.0 fl. oz. (0.14-0.19 lb a.i.) Aquesta 4 F per acre</li> </ul>	crops in the next season.
For Medium Textured Soils	<ul> <li>Consult with university or extension weed management specialists</li> </ul>
<ul> <li>Less than 1.5% OM, apply 3.0 to 4.5 fl. oz. (0.095-0.14 lb a.i.) Aquesta 4 F per acre</li> </ul>	for information on using <b>Aquesta 4 F</b> with specific local varieties of
• 1.5% to 3.0% OM, apply 3.75 to 6.0 fl. oz. (0.12-0.19 lb a.i.) Aquesta 4 F per acre	given crop species.
• Greater than 3.0% OM, apply 4.5 to 8.0 fl. oz. (0.14-0.25 lb a.i.) Aquesta 4 F per acre	• Do not apply more than 0.25 lbs sulfentrazone (8.0 fl. oz. product)
For Fine Textured Soils	per 12 month period. If making a fall fallow application, the 12 month
<ul> <li>Less than 1.5% OM, apply 3.75 to 5.25 fl. oz. (0.12-0.165 lb a.i.) Aquesta 4 F per acre</li> </ul>	period starts at this point
• 1.5% to 3.0% OM, apply 4.5 to 6.75 fl. oz. (0.14-0.21 lb a.i.) Aquesta 4 F per acre	• Do not use on soils that contain less than 1 % organic matter (soils
<ul> <li>Greater than 3.0% OM, apply 5.25 to 8.0 fl. oz. (0.165-0.25 lb a.i.) Aquesta 4 F per acre</li> </ul>	classified as 'sand')
OM - Organic Matter	• To prevent runoff of Aquesta 4 F from snowmelt or rain, do not apply
Consult preceding information regarding Coarse, Medium or Fine soil categories. Use rate is inversely dependent on soil pH - use higher Aquesta 4 F rates	Aquesta 4 F to soils that are frozen or have an existing snow cover.
with lower soil pH rates (7.0 and lower) and lower Aquesta 4 F rates with higher soil pH rates (greater than 7.0).	
Application Instructions: Apply amount of Aquesta 4 F indicated above to stubble or soil surface in the fall, or as a fallow treatment in the spring. Do not incorporate Aquesta 4 F	
into the soil.	
Moisture (in the form of rain or snow) after application will move the product into the soil. For maximum weed control, disturb the soil surface as little as	
possible after application. Destroying the herbicide barrier by mechanically incorporating can allow weed escapes to occur. To prevent runoff of Aquesta 4 F	
from snowmelt or rain, do not apply Aquesta 4 F to soils that are frozen or have an existing snow cover.	
If weed size is such that the weeds interfere with Aquesta 4 F getting to soil surface, a separate burndown herbicide should be used prior to application of	
Aquesta 4 F. Use higher listed application rates, or more than one application of a burndown herbicide, if necessary, to remove emerged weeds. If applying	
aerially, use higher listed spray volumes of burndown herbicide to control dense weeds or canopy	
Tank Mixes: Aquesta 4 F can be mixed with burndown herbicides or residual soil herbicides to control emerged weeds. Read and follow the label of each	
tank mix product used for precautionary statements, directions for use, rates and timings, and other restrictions.	



FLAX	
To control susceptible weeds, <b>Aquesta 4 F</b> can be applied preemergence to flax.	
When applied as indicated on this label, the following weeds in flax will be controlled with Aquesta 4 F:	
Copperleaf/hophornbeam Kochia (ALS and Triazine Resistant)	
Morningglory (entireleaf, ivyleaf, tall) Nightshade, Eastern black Pigweed (redroot, smooth)	
See Listed Weed Species section of this label for information on additional weeds. Application Rates	Important
For Coarse Textured Soils	Read and follow all precautions, instructions, rotational crop
<ul> <li>Less than 1.5% OM, apply 2.25 - 3.0 fl. oz. (0.07-0.095 lb a.i.) Aquesta 4 F per acre</li> </ul>	guidelines, replanting instructions, and any other information on this
• 1.5% to 3.0% OM, apply 3.0 - 6.0 fl. oz. (0.095-0.19 lb a.i.) Aquesta 4 F per acre	label prior to use
• Greater than 3.0% OM, apply 6.0 - 9.0 fl. oz. (0.19-0.28 lb a.i.) Aquesta 4 F per acre	Consult with university or extension weed management specialists
For Medium Textured Soils	for information on using <b>Aquesta 4 F</b> with specific local varieties
<ul> <li>Less than 1.5% 0M, apply 3.0 - 4.5 fl. oz. (0.095-0.14 lb a.i.) Aquesta 4 F per acre</li> <li>1.5% to 3.0% 0M, apply 6.0 - 9.0 fl. oz. (0.19-0.28 lb a.i.) Aquesta 4 F per acre</li> </ul>	or cultivars of flax <ul> <li>Do not apply more than 0.375 lbs sulfentrazone (12.0 fl. oz. product)</li> </ul>
<ul> <li>Greater than 3.0% OM, apply 6.0 - 12.0 fl. oz. (0.19-0.275 lb a.i.) Aquesta 4 F per acre</li> </ul>	per acre per 12 month period. The 12 month period starts at the point
For Fine Textured Soils	of first application
• Less than 1.5% OM, apply 3.0-6.0 fl. oz. (0.095-0.19 lb a.i.) Aquesta 4 F per acre	• Wait a minimum of 7 days after application to plant in coarse textured
• 1.5% to 3.0% OM, 6.0 - 9.0 fl. oz. (0.19-0.28 lb a.i.) Aquesta 4 F per acre	soils with less than 1.5% organic matter.
Greater than 3.0% OM, apply 6.0 - 12.0 fl. oz. (0.19-0.375 lb a.i.) Aquesta 4 F per acre	• Eliminate use or reduce rate of <b>Aquesta 4 F</b> to 3.0 oz/acre (0.94 lbs
OM - Organic Matter	active) on coarse textured soil with organic matter less than 1.5% and
Consult preceding information regarding Coarse, Medium or Fine soil categories. Use rate is inversely dependent on soil pH - use higher Aquesta 4 F rates with lower soil pH rates (7.0 and lower) and lower Aquesta 4 F rates with higher soil pH rates (greater than 7.0).	pH of 7.8 or higher, or on highly eroded soils, or in areas of calcareous outcroppings to minimize adverse crop response.
Application Instructions:	<ul> <li>Planting less than 1 inch in depth or inadequate seed furrow closure or</li> </ul>
Apply amount of Aquesta 4 F indicated above as a preemergence treatment prior to planting up to just before seedling emergence. To avoid severe injury to	
flax, do not make application after seedings have emerged.	excessive moisture) can also cause adverse crop response.
For enhanced control of broadleaf and grass weeds, Aquesta 4 F application can be followed with a postemergence flax herbicide.	Reduced weed control can occur if crop is experiencing ex-tended
Tank Mixes: Aquesta 4 F can be applied alone or in combination with other herbicides labeled for use on flax to enhance control to broadleaf weeds and	periods of dry weather.
grasses. Tank mix Aquesta 4 F with burndown herbicides to control emerged weeds. Read and follow the label of each tank mix product used for precautionary	<ul> <li>Product is not to be incorporated any deeper than 2 inches.</li> <li>To prevent runoff of Aquesta 4 F from snowmelt or rain, do not apply</li> </ul>
statements, directions for use, rates and timings, and other restrictions.	Aquesta 4 F to soils that are frozen or have an existing snow cover.
	• Do not use on soils that contain less than 1% organic matter (soils
	classified as 'sand')
	• If seedlings are close to soil surface or have emerged, do not apply
	Aquesta 4 F directly to crop
FRUITING VEGETABLES (except Cucurbits)* and OKRA*	
Eggplant; groundcherry (Physalis, spp.); pepino; pepper (including bell pepper); okra; tom	natillo; tomato
To control susceptible weeds, <b>Aquesta 4 F</b> can be applied preemergence to fruiting vegetables.	
When applied as indicated on this label, the following weeds in fruiting vegetables will be controlled with	
Aquesta 4 F: Lambsquarters, common Morningglory, ivyleaf Nutsedge, vellow	
Lambsquarters, common Morningglory, ivyleaf Nutsedge, yellow Pigweed, red root Waterhemp (common, tall)	
See Listed Weed Species section of this label for information on additional weeds.	
*Not for Use in California	
Application Rates	Important
For Coarse Textured Soils	• Read and follow all precautions, instructions, rotational crop
<ul> <li>Less than 1.5% OM, apply 2.25 - 3.0 fl. oz. (0.07-0.095 lb a.i.) Aquesta 4 F per acre</li> </ul>	guidelines, replanting instructions, and any other information on this
• 1.5% to 3.0% OM, apply 3.0 - 6.0 fl. oz. (0.095-0.19 lb a.i.) Aquesta 4 F per acre	label prior to use
Greater than 3.0% OM, apply 6.0 - 9.0 fl. oz. (0.19-0.28 lb a.i.) Aquesta 4 F per acre For Medium Textured Soils	<ul> <li>Consult with university or extension weed management specialists for information on using Aquesta 4 F with specific local varieties or</li> </ul>
<ul> <li>Less than 1.5% OM, apply 3.0 - 4.5 fl. oz. (0.095-0.14 lb a.i.) Aquesta 4 F per acre</li> </ul>	cultivars of fruiting vegetables
• 1.5% to 3.0% OM, apply 6.0 - 9.0 fl. oz. (0.19-0.28 lb a.i.) Aquesta 4 F per acre	Do not apply more than 0.375 lbs sulfentrazone (12.0 fl. oz. product)
• Greater than 3.0% OM, apply 6.0 - 12.0 fl. oz. (0.19-0.375 lb a.i.) Aquesta 4 F per acre	per acre per 12 month period. The 12 month period starts at the point
For Fine Textured Soils	of first application
• Less than 1.5% OM, apply 3.0 - 6.0 fl. oz. (0.095-0.19 lb a.i.) Aquesta 4 F per acre	Do not use on soils that contain less than 1% organic matter (soils
• 1.5% to 3.0% OM, apply 6.0 - 9.0 fl. oz. (0.19-0.28 lb a.i.) Aquesta 4 F per acre	classified as 'sand')
Greater than 3.0% OM, apply 6.0 - 12.0 fl. oz. (0.19-0.375 lb a.i.) Aquesta 4 F per acre     OM - Organic Matter	
Consult preceding information regarding Coarse, Medium or Fine soil categories. Use rate is inversely dependent on soil pH - use higher Aquesta 4 F rates	
with lower soil pH rates (7.0 and lower) and lower <b>Aquesta 4 F</b> rates with higher soil pH rates (greater than 7.0).	
Application Instructions: Apply amount of Aquesta 4 F indicated above as a preemergence treatment (broadcast or banded) to fruiting vegetables. Make	1
applications before transplanting.	



GRAPES (wine, raisin, table and juice, Amur river grape*)	
To control susceptible weeds, apply <b>Aquesta 4 F</b> when no weeds are present or in a tank mix with a postemergence herbicide for control of emerged weeds. season and are healthy and vigorous.	lake applications to crops that have been established for one full growing
See <b>Listed Weed Species</b> section of this label for information on controlled weeds. *Not for Use in California	
Application Rates and Instructions:	Important:
<ul> <li>Apply with ground application equipment only.</li> <li>Apply when soil is moist and application will be followed by ½" rainfall or irrigation within two weeks after application. Time applications to take advantage of normal rainfall and cool temperatures, especially if using drip or micro sprinkler irrigation which may not provide uniform incorporation into the soil.</li> <li>Apply amount of Aquesta 4 F indicated below under "Broadcast applications" to orchard and vineyard floors, to berry beds, and furrows as a single uniform</li> </ul>	<ul> <li>Read and follow all precautions, instructions, rotational crop guidelines, replanting instructions, and any other information on this label prior to use.</li> <li>Consult with university or extension weed management specialists</li> </ul>
broadcast soil application or as a uniform band application directed to the base of the tree trunk in trees and vines and to the base of the berry and beds in berries.	for information on using <b>Aquesta 4 F</b> with specific local varieties of cultivars of grapes.
<ul> <li>Apply in a minimum of 10 gallons of spray solution per acre. The spray solution pH should be 5.0-9.0 and nozzles must meet manufacturer's spray volume and pressure specifications for pre-emergence and post-emergence herbicide applications.</li> <li>Wrap the trunks of green bark, young vines, and trees with a non-porous wrap, grow tubes, or wax containers to avoid Aquesta 4 F contact with green tissues.</li> <li>Broadcast applications: Make a single application of 4.0-12.0 fl. oz. (0.125-0.375 lb a.i.) per acre.</li> </ul>	
• Banded applications: Refer to the following chart for the appropriate rate and volume of Aquesta 4 F to be applied. Aquesta 4 F can be applied twice	per year (12-month period from when <b>Aquesta 4 F</b> is first applied).
in one year. For band treatments, apply the broadcast rate and volume per acre. To determine these:	• Do not apply <b>Aquesta 4 F</b> to green tissue, crop foliage, or fruit.
Band rate = <u>Band Width (ft.)</u> Row Within Feet X Broadcast Rate/Acre	<ul> <li>Do not make aerial applications.</li> <li>Do not apply after petal fall unless using a hooded or shielded sprayer to avoid contact with foliage and fruit.</li> </ul>
<b>Band volume</b> = <u>Band Width</u> Feet X Broadcast Volume/Acre	• Do not apply when heavy crop trash is present (leaves/branches/week residue). Clean the area to be treated prior to applying <b>Aquesta 4 F</b>
Control/Suppression of Sedge/Nutsedge:	• Do not apply to powdery soils or soils where windy conditions may
<ul> <li>Make a post-emergence application of Aquesta 4 F at 12 fl. oz, per acre.</li> </ul>	displace soil unless soil can be irrigated immediately after treatment.
• Use 25% volume/volume non-ionic surfactant (NIS).	<ul> <li>Pre-harvest interval (PHI) is 3 days.</li> <li>If banded treatments are made, wait a minimum of 60 days between</li> </ul>
Post-emergence applications may be most effective since Aquesta 4 F is absorbed into the plant through the foliage and roots	applications. Do not exceed the seasonal maximum use rate.
<ul> <li>Pre-emergence applications of Aquesta 4 F will suppress sedges, but will not provide complete control.</li> <li>For optimal control of purple nutsedge, make split applications of Aquesta 4 F. Make an initial application of 4.0-6.0 fl. oz. per acre followed by a 2<sup>nd</sup></li> </ul>	applications. Do not exceed the seasonal maximum doe rate.
application to actively growing purple nutsedge. Do not exceed the maximum application rate of 12.0 fl. oz. per acre per year. Option control may not occur until the 2 <sup>rd</sup> year after the initial application of <b>Aquesta 4 F</b> .	
Tank Mixes: Aquesta 4 F can be split applied or mixed with burndown herbicides or residual soil herbicides labeled for use on grapes to control emerged weeds or broaden the herbicide control spectrum. Read and follow the label of each tank mix product used for precautionary statements, directions for use, rates and timings, and other restrictions. Do not tank mix with products containing flumioxazin or sulfentrazone.	
Replanting in New or Established Orchards and Vineyards: Wait at least 30 days after applying Aquesta 4 F before replanting trees and vines in newly	

planted and established orchards and vineyards. Use untreated soil when replanting trees and vines.

Atticus

Manufactured for: Atticus, LLC 940 NW Cary Parkway, Suite 200 Cary, NC 27513

HORSERADISH	
To control susceptible weeds, <b>Aquesta 4 F</b> can be applied to horseradish at the following times: In the fall (preplant), before spring growing season In the spring (early preplant, preplant incorporated, preemergence) When applying early preplant to horseradish, the product may be applied only in CO,ID, MI, MN, MT, NE, ND, OR, SD, WA, WI, WY. When applied as indicated on this label, the following weeds in horseradish will be controlled with <b>Aquesta 4 F</b> : Lambsquarters, common Morningglory, ivyleaf Nutsedge, yellow Waterhemp (common, tall)	
See Listed Weed Species section of this label for information on additional weeds.	F
Application Rates         For Coarse Textured Soils         Less than 1.5% 0M, apply 2.25 - 4.5 fl. oz. (0.07-0.14 lb a.i.) Aquesta 4 F per acre         1.5% to 3.0% 0M, apply 4.5 - 6.0 fl. oz. (0.14-0.19 lb a.i.) Aquesta 4 F per acre         Greater than 3.0% 0M, apply 6.0 - 7.5 fl. oz. (0.19-0.233 lb a.i.) Aquesta 4 F per acre         For Medium or Fine Textured Soils         Less than 1.5% 0M, apply 3.0 - 4.5 fl. oz. (0.095-0.14 lb a.i.) Aquesta 4 F per acre         For Medium or Fine Textured Soils         Less than 1.5% 0M, apply 3.0 - 4.5 fl. oz. (0.095-0.14 lb a.i.) Aquesta 4 F per acre         1.5% to 3.0% 0M, apply 6.0 - 8.0 fl. oz. (0.19-0.25 lb a.i.) Aquesta 4 F per acre         Greater than 3.0% 0M, apply 6.0 - 8.0 fl. oz. (0.19-0.25 lb a.i.) Aquesta 4 F per acre         Greater than 3.0% 0M, apply 6.0 - 8.0 fl. oz. (0.19-0.25 lb a.i.) Aquesta 4 F per acre         Organic Matter         Consult preceding information regarding Coarse, Medium or Fine soil categories. Use rate is inversely dependent on soil pH - use higher Aquesta 4 F rates with lower soil pH rates (7.0 and lower) and lower Aquesta 4 F rates with higher soil pH rates (greater than 7.0).         Application Instructions:         Apply amount of Aquesta 4 F indicated above to stubble or to the soil surface.         Unless applying preplant incorporated, do not incorporate the product into the soil after application. Destroying the herbicide barrier by mechanically	<ul> <li>Important</li> <li>Read and follow all precautions, instructions, rotational crop guidelines, replanting instructions, and any other information on this label prior to use</li> <li>Consult with university or extension weed management specialists for information on using Aquesta 4 F with specific local varieties or cultivars of horseradish</li> <li>Do not apply more than 0.25 lbs sulfentrazone (8.0 fl. oz. product) per acre per 12 month period. The 12 month period starts at the point of first application (including preplant fall application)</li> <li>Do not use on soils that contain less than 1% organic matter (soils classified as 'sand')</li> <li>Product is not to be incorporated any deeper than 2 inches</li> <li>If seedlings are close to soil surface or have emerged, do not apply Aquesta 4 F directly to the crop (apply a banded treatment to row</li> </ul>
incorporating can allow weed escapes to occur. If applying preplant in the spring, product can be applied 60 days prior to planting up to planting.	middles)
If applying preemergence, applications before planting, and up to 5 days before crop emergence can be broadcast or banded. After crop emergence, <b>Aquesta</b> <b>4</b> F can be applied to row middles as a banded treatment. If soil has more than 1% organic matter or is clay, higher rates of <b>Aquesta 4</b> F should be used. If applying this product product product is product to be applied to row middles as a banded treatment. If soil has more than 1% organic matter or is clay, higher rates of <b>Aquesta 4</b> F into the soil has empiricated in the spring prior to planting, mix there used to row middles as a banded treatment.	
If applying this product preplant incorporated in the spring, prior to planting, mix thoroughly or shallowly incorporate the <b>Aquesta 4 F</b> into the soil. Inconsistent weed control could result if product is incorporated deeper than the maximum incorporation depth of 2 inches.	
Moisture (in the form of rain or snow) after application will activate and move the product into the soil. To prevent runoff of Aquesta 4 F from snowmelt or rain, do not apply Aquesta 4 F to soils that are frozen or have an existing snow cover.	
Tank Mixes: Aquesta 4 F can be split-applied or mixed with burndown herbicides, residual soil herbicides or other pesticides labeled for use on horseradish to control emerged weeds or broaden the pesticide control spectrum. Read and follow the label of each tank mix product used for precautionary statements, directions for use, rates and timings, and other restrictions.	
LIMA BEANS, SUCCULENT (TENNESSEE ONLY) To control susceptible weeds, Aquesta 4 F can be applied preemergence to succulent lima beans (TN only). Make pre-emergence applications before transpl When applied as indicated on this label, the following weeds in lima beans will be controlled with Aquesta 4 F: Copperleaf, hophornbeam Morningglory (entireleaf, ivyleaf) Pigweed (redroot, smooth)	anting.
See Listed Weed Species section of this label for information on additional weeds.	
<ul> <li>For Coarse Textured Soils <ul> <li>Less than 1.5% 0M, apply 2.25 - 3.75 fl. oz. (0.07-0.12 lb a.i.) Aquesta 4 F per acre</li> <li>1.5% to 3.0% 0M, apply 3.0 - 4.5 fl. oz. (0.095-0.14 lb a.i.) Aquesta 4 F per acre</li> <li>Greater than 3.0% 0M, apply 3.75 - 6.0 fl. oz. (0.12-0.19 lb a.i.) Aquesta 4 F per acre</li> </ul> </li> <li>For Medium Textured Soils <ul> <li>Less than 1.5% 0M, apply 3.0 - 6.0 fl. oz. (0.095-0.19 lb a.i.) Aquesta 4 F per acre</li> </ul> </li> <li>For Source of the state of the</li></ul>	<ul> <li>Read and follow all precautions, instructions, rotational crop guidelines, replanting instructions, and any other information on this label prior to use</li> <li>Consult with university or extension weed management specialists for information on using Aquesta 4 F with specific local varieties or cultivars of lima beans</li> <li>Do not apply more than 0.1875 lbs sulfentrazone (6.0 fl. oz. product) per acre per 12 month period) The 12 month period starts at the point of first application</li> <li>Wait a minimum of 7 days after application to plant in coarse textured soils with less than 1.5% organic matter.</li> <li>Reduce rate of Aquesta 4 F on coarse textured soil with organic matter &lt;1.5% and pH of 7.8 or higher, or on highly eroded soils, or in areas of calcareous outcroppings to minimize adverse crop response.</li> <li>Planting less than 1 inch in depth or inadequate seed furrow closure or poor growing conditions (diseases, low temperature, soil compaction, excessive moisture) can also cause adverse crop response.</li> <li>Reduced weed control can occur if crop is experiencing extended periods of dry weather.</li> <li>Do not incorporate Aquesta 4 F into the soil when using product on lima beans (TN)</li> </ul>



MELONS*	
(Citron melon, watermelon)	
To control susceptible weeds, <b>Aquesta 4 F</b> can be applied preemergence to melons. When applied as indicated on this label, the following weeds in melons will be controlled with <b>Aquesta 4 F</b> : Lambsquarters, common Morningglory, ivyleaf Nutsedge, yellow Pigweed, red root Waterhemp (common, tall)	
See Listed Weed Species section of this label for information on additional weeds *Not for Use in California	
Application Rates	Important
For Coarse Textured Soils	Read and follow all precautions, instructions, rotational crop
<ul> <li>Less than 1.5% OM, apply 3.0 - 3.75 fl. oz. (0.095-0.12 lb a.i.) Aquesta 4 F per acre</li> <li>1.5% to 3.0% OM, apply 3.0 - 4.5 fl. oz. (0.095-0.14 lb a.i.) Aquesta 4 F per acre</li> <li>Greater than 3.0% OM, apply 3.75 - 6.0 fl. oz. (0.12-0.19 lb a.i.) Aquesta 4 F per acre</li> </ul>	<ul> <li>guidelines, replanting instructions, and any other information on this label prior to use</li> <li>Consult with university or extension weed management specialists for information on using Aquesta 4 F with specific local varieties or</li> </ul>
<ul> <li>Less than 1.5% 0M, apply 3.0 - 4.5 fl. oz. (0.14-0.19 lb a.i.) Aquesta 4 F per acre</li> <li>1.5% to 3.0% 0M, apply 3.75 - 6.0 fl. oz. (0.12-0.19 lb a.i.) Aquesta 4 F per acre</li> <li>Greater than 3.0% 0M, apply 4.5 - 6.8 fl. oz. (0.14-0.213 lb a.i.) Aquesta 4 F per acre</li> </ul>	cultivars of melons <ul> <li>Do not apply more than 0.25 lbs sulfentrazone (8.0 fl. oz. product) per acre per 12 month period. The 12 month period starts at the point</li> </ul>
For Fine Textured Soils • Less than 1.5% OM, apply 3.75 - 5.25 fl. oz. (0.12-0.165 lb a.i.) Aquesta 4 F per acre • 1.5% to 3.0% OM, apply 4.5 - 6.8 fl. oz. (0.14-0.213 lb a.i.) Aquesta 4 F per acre	of first application • Do not use on soils that contain less than 1 % organic matter (soils classified as 'sand')
Greater than 3.0% OM, apply 6.0 - 8.0 fl. oz. (0.19-0.25 lb a.i.) Aquesta 4 F per acre OM - Organic Matter	<ul> <li>If seedlings are close to soil surface or have emerged, do not apply Aquesta 4 F directly to melons</li> </ul>
Consult preceding information regarding Coarse, Medium or Fine soil categories. Use rate is inversely dependent on soil pH - use higher Aquesta 4 F rates with lower soil pH rates (7.0 and lower) and lower Aquesta 4 F rates with higher soil pH rates (greater than 7.0).	
Application Instructions: Apply amount of Aquesta 4 F indicated above as a preemergence treatment from 48 hours prior to planting up to just before seedling emergence. To avoid severe injury to melons, do not make application after seedings have emerged.	
For enhanced control of broadleaf and grass weeds, Aquesta 4 F application can be followed with a postemergence melon herbicide.	
Tank Mixes: Aquesta 4 F can be split-applied or mixed with burndown herbicide to control emerged weeds. Read and follow the label of each tank mix product used for precautionary statements, directions for use, rates and timings, and other restrictions.	
MINT	
To control susceptible weeds, Aquesta 4 F can be applied to established stands of dormant mint or to newly planted mint, prior to emergence of new growth When applied as indicated on this label, the following weeds in mint will be controlled with Aquesta 4 F: Amaranth, Powell Bedstraw, catchweed Chamomile, mayweed Kochia (ALS and Triazine resistant) Lambsquarters, common Morningglory, ivyleaf Nightshade, Eastern black Nutsedge, yellow Pigweed, redroot Shepherdspurse Toadflax, yellow Thistle, Russian Nutsedge, yellow Waterhemp (common, tall)	
See Listed Weed Species section of this label for information on additional weeds.	Important
Application Rates For Coarse Textured Soils • Less than 1.5% OM, apply 4.5 - 6.0 fl. oz. (0.14-0.19 lb a.i.) Aquesta 4 F per acre	Important <ul> <li>Read and follow all precautions, instructions, rotational crop guidelines, replanting instructions, and any other information on this</li> </ul>
• 1.5% to 3.0% OM, apply 6.0 - 8.0 fl. oz. (0.19-0.25 lb a.i.) Aquesta 4 F per acre	label prior to use
<ul> <li>Greater than 3.0% OM, apply 8.0 - 10.1 fl. oz. (0.25-0.316 lb a.i.) Aquesta 4 F per acre</li> <li>For Medium Textured Soils</li> </ul>	<ul> <li>Consult with university or extension weed management specialists for information on using Aquesta 4 F with specific local varieties or</li> </ul>
<ul> <li>Less than 1.5% 0M, apply 6.0 - 8.0 fl. oz. (0.19-0.25 lb a.i.) Aquesta 4 F per acre</li> <li>1.5% to 3.0% 0M, apply 8.0 - 10.1 fl. oz. (0.25-0.316 lb a.i.) Aquesta 4 F per acre</li> <li>Creater than 3.0% 0M early 10.1 - 10.0 fl. oz. (0.216 0.275 lb a.i.) Aquesta 4 F per acre</li> </ul>	cultivars of mint • Do not apply more than 0.375 lbs sulfentrazone (12.0 fl. oz. product) per serve per 19 ments period. The 19 ments period starts at the period.
<ul> <li>Greater than 3.0% OM, apply 10.1 - 12.0 fl. oz. (0.316-0.375 lb a.i.) Aquesta 4 F per acre For Fine Textured Soils</li> <li>Less than 1.5% OM, apply 8.0 fl. oz. (0.25 lb a.i.) Aquesta 4 F per acre</li> </ul>	<ul> <li>per acre per 12 month period. The 12 month period starts at the point of first application.</li> <li>Do not use on soils that contain less than 1% organic matter (soils</li> </ul>
<ul> <li>1.5% to 3.0% OM, 10.1 fl. oz. (0.316 lb a.i.) Aquesta 4 F per acre</li> <li>Greater than 3.0% OM, apply 12.0 fl. oz. (0.375 lb a.i.) Aquesta 4 F per acre</li> </ul>	classified as 'sand') • Do not apply <b>Aquesta 4 F</b> to mint plantings once new growth has
OM - Organic Matter Consult preceding information regarding Coarse, Medium or Fine soil categories. Use rate is inversely dependent on soil pH - use higher Aquesta 4 F rates	emerged, to avoid severe injury to plant tissue • Application to mint fields under stress (environmental, cultural, pests,
with lower soil pH rates (7.0 and lower) and lower Aquesta 4 F rates with higher soil pH rates (greater than 7.0).	<ul> <li>disease) may result in crop injury. Apply to healthy mint fields only.</li> <li>To activate herbicide and move product into the soil, moisture (in</li> </ul>
Application Instructions: Apply amount of Aquesta 4 F indicated above can be applied to dormant mint in the fall or spring, or preemergence to new mint plantings.	the form of rain or overhead irritation) is required after application
Dormant Applications: Application can be made to established stands of mint in the spring (after spring cultivation has been completed) or in the fall (after post-harvest cultivation has been completed), prior to emergence of new growth. Split applications of <b>Aquesta 4 F</b> can be used for preemergence control of winter and spring annual weeds	
New Planting Applications: When applying to new mint plantings, reduce rate of application by 25% of the rate listed for established plantings. Apply product preemergence to both weeds and mint.	
Tank Mixes: Aquesta 4 F can be mixed with burndown herbicides labeled for use on mint to control emerged weeds. Enhanced control of emerged weeds can be obtained by also adding a surfactant to the tank mix. Read and follow the label of each tank mix product used for precautionary statements, directions for use, rates and timings, and other restrictions.	
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		PEANUTS Southeastern United States Only (AL, GA. MS, NC, SC, VA)	
To control broadleaf weeds an Use <b>Aquesta 4 F</b> on peanuts	<b>o</b> 1 1	ion, Aquesta 4 F can be applied to peanuts preplant incorporated up to 14 days prior to planting, a	at plant, or up to 12 hours after planting.
Application Rates	<u> </u>		Important
For Coarse Textured Soils			<ul> <li>Read and follow all precautions, instructions, rotational crop</li> </ul>
<ul> <li>Application rate (1): apply</li> </ul>	lv 4.8 fl. oz. (0.15 lb a.i.) <b>Aq</b> u	lesta 4 F per acre	guidelines, replanting instructions, and any other information on this
<ul> <li>Application rate (2): appli</li> </ul>			label prior to use.
<ul> <li>Application rate (3): apply</li> </ul>			Consult with university or extension weed management specialists for
For Medium Textured and Fine			information on using <b>Aquesta 4 F</b> with specific local peanut varieties
Application rate (1): apply		esta 4 F ner acre	or cultivars
<ul> <li>Application rate (2): apply</li> </ul>		•	<ul> <li>Do not apply more than 0.3 lbs sulfentrazone (9.6 fl. oz. product) per</li> </ul>
<ul> <li>Application rate (3): apply</li> </ul>			acre per 12 month period. The 12 month period starts upon the first
Consult preceding information			application of Aquesta 4 F
pH considerations:			• Do not use on soils that contain less than 1% organic matter (soils
•	ation rate if the nU of the or	il is greater than 7	classified as 'sand')
<ul> <li>Use the next lower applic</li> <li>Irrigation with alkaling was</li> </ul>		nn is greater than 7 esult in adverse crop response	Do not feed livestock peanut forage or hay that has been treated
<ul> <li>Do not irrigate with water</li> </ul>			with Aquesta 4 F
		once peanuts reach 4" to 6" across in size.	• Do not irrigate crops treated with <b>Aquesta 4 F</b> with high pH water
, ,	•		(greater than 9)
Application Rate(1) will control			• To avoid significant adverse crop response, do not apply to exposed
	Copperleaf, hophornbeam	Croton, tropic	peanut tissue or "at-crack"
	Devils claw	Jimsonweed	
Lambsquarters, common	Morningglory, entireleaf	Morningglory, red	
Application Rate (2) will addit	tionally control:		
Amaranth, palmer	Crabgrass, large	Crabgrass, Southern	
Eclipta	Goosegrass	Morningglory, pitted	
Morningglory, smallflower	Poinsettia, wild*	Redweed	
Senna, coffee	Signalgrass, broadleaf	Smartweed, PA (seedling)	
Application Rate (3) will addit	tionally control.		
	Cocklebur, common	Nutsedge, yellow	
, ,	Purslane. common	Sida, prickly	
3.71.1	Starbur, prickly	olda, priolay	
*Wild Poinsettia -Application r	rate (2) will control initial ge	rmination as well as several continuing germinations of wild poinsettia	
		ple nutsedge if applied preplant incorporated. Partial control will be obtained by preemergence	
application (up to 85% contr See Listed Wood Species of			
See Listed Weed Species se	ECUOLI OL ULIS ISDEL IOL INTOLU		-
Application Instructions:	indicated above to sail surf	ace via broadcast or banded application. If applying a broadcast application, apply <b>Aquesta 4 F</b> in a	
		ace via broadcast or banded application. If applying a broadcast application, apply <b>Aquesta 4 F</b> in a ded application, proportionally adjust the use rate according to the band width.	
If applying the product prepla product is incorporated deepe		phy or shallowly incorporate the <b>Aquesta 4 F</b> into the soil. Inconsistent weed control can result if ration depth of 2 inches.	
		icide labeled for peanuts will give optimum control of weeds.	1
0 1		cide can be used for weeds not controlled by sulfentrazone, or under conditions of excessive weed	
		luct used for precautionary statements, directions for use, rates and timings, and other restrictions.	



<b>Ρ</b> ΩΤΑΤΩΕς*	
To control undesirable weeds and grasses in potato production, <b>Aquesta 4 F</b> can be applied preemergence to potatoes.	
When applied as indicated on this label, the following weeds in potatoes will be controlled with Aquesta 4 F:         Amaranth, Palmer       Filaree, redstem         Kochia (ALS and Triazine resistant)       Lambsquarters, common         Morningglory (ivyleaf, tall)       Nightshade, Eastern Black         Pigweed, redroot or smooth       Thistle, Russian         Waterhemp (common, tall)       See         See Listed Weed Species section of this label for information on additional weeds.         *Not for Use in California         Application Rates         For Coarse Textured Soils         • Up to 3.0% OM, apply 3.0 to 4.5 fl. oz. (0.095-0.14 lb a.i.) Aquesta 4 F per acre         • Greater than 3.0% OM, apply 3.0 to 4.5 fl. oz. (0.14-0.19 lb a.i.) Aquesta 4 F per acre         • Less than 1.5% OM, apply 3.75 to 6.0 fl. oz. (0.12-0.14 lb a.i.) Aquesta 4 F per acre         • Liss than 1.5% OM, apply 3.75 to 5.25 fl. oz. (0.12-0.19 lb a.i.) Aquesta 4 F per acre         • I.5% to 3.0% OM, apply 3.75 to 5.25 fl. oz. (0.12-0.165 lb a.i.) Aquesta 4 F per acre         • I.5% to 3.0% OM, apply 3.75 to 5.25 fl. oz. (0.12-0.165 lb a.i.) Aquesta 4 F per acre         • I.5% to 3.0% OM, apply 3.75 to 5.25 fl. oz. (0.14-0.19 lb a.i.) Aquesta 4 F per acre         • For Fine Textured Soils         • Less than 1.5% OM, apply 3.75 to 5.25 fl. oz. (0.12-0.165 lb a.i.) Aquesta 4 F per acre         • I.5% to 3.0% OM, apply 9.0 to 8.0 fl. oz. (0.14-0.19 lb a.i.) Aquesta 4 F per	<ul> <li>Important</li> <li>Read and follow all precautions, instructions, rotational crog guidelines, replanting instructions, and any other information on this label prior to use</li> <li>Consult with university or extension weed management specialists for information on using Aquesta 4 F with specific local varieties o cultivars of potatoes</li> <li>Certain potato varieties can exhibit sensitivity to Aquesta 4 F Be cautious if planting sensitive varieties (f. ex., Sangre, Shepody Snowden) on marginal coarse soil. Crop tolerance of untested potate varieties should be tested prior to planting.</li> <li>Do not apply more than 0.250bs sulfentrazone (8.0 fl. oz. product) pe acre per 12 month period. The 12 month period starts at the poin of first application.</li> <li>Do not use on soils that contain less than 1 % organic matter (soils classified as 'sand')</li> <li>To avoid undesirable crop response, do not apply to emerged potatoes:</li> </ul>
<ul> <li>Apply amount of Aquesta 4 F indicated above by aerial or ground application to potatoes as a preemergence treatment. Treatment should be made to the soil surface before potatoes emerge, but after planting and dragoff. Undesirable crop response can occur if Aquesta 4 F is applied after potatoes have emerged.</li> <li>Mix Aquesta 4 F in water to make a minimum of 5 gallons of spray solution for aerial application or 10 gallons of spray solution for ground application. For best results, moisture (rain or irrigation) should occur after application to move the product into the soil. If dry conditions persist within 7 days of application Aquesta 4 F can be incorporated to a depth of no more than 2 inches, to activate the product.</li> <li>Chemigation Applications</li> <li>Aquesta 4 F can also be applied preemergence by chemigation, using enough water for soil surface coverage, but not to runoff (0.25 to 0.5 inch per acre).</li> <li>Aquesta 4 F can be applied prior to potato emergence through solid set, lateral move, end tow, hand move or center pivot sprinkler irrigation systems.</li> <li>pH considerations</li> <li>An undesirable crop response can result from irrigation with alkaline water of pH 7.5 or greater.</li> <li>Following a Aquesta 4 F soil application, the amount of available sulfentrazone in the soil can be significantly increased by irrigation with highly alkaline water (high pH)</li> </ul>	
<ul> <li>Younger or more stressed crops, or crops subjected to higher rates of Aquesta 4 F are more susceptible to adverse effects from higher pH irrigation water. As potato growth stage progresses, risks of undesirable crop response is minimized</li> <li>Tank Mixes: Aquesta 4 F can be mixed with other soil applied herbicides to improve performance or for use on weeds not controlled by sulfentrazone.</li> <li>Aquesta 4 F can be mixed with burndown herbicides and adjuvants labeled for use on potatoes to control emerged weeds. During chemigation, Aquesta 4 F can be applied with other properly labeled products used for chemigation in potatoes. Read and follow the label of each tank mix product used for precautionary statements, directions for use, rates and timings, and other restrictions.</li> </ul>	
RHUBARB*	
To control susceptible weeds, Aquesta 4 F can be applied to rhubarb post-emergent. When applied as indicated on this label, the following weeds in turnips will be controlled with Aquesta 4 F: Gallinsoga, hairy Pigweed, redroot Waterhemp, tall Lambsquaters, common See Listed Weed Species section of this label for information on additional weeds. *Not for Use in California	
<ul> <li>Application Rates and Instructions:</li> <li>Apply 8.0 fl. oz. (0.25 lb a.i.) per acre.</li> <li>Make one post-emergent application just before rhubarb plants break dormancy at 80 (+/- 5) days before harvest.</li> <li>Apply in 10 gallons of water per acre.</li> </ul>	<ul> <li>Important:</li> <li>Read and follow all precautions, instructions, rotational crog guidelines, replanting instructions, and any other information on this label prior to use.</li> <li>Do not apply more than 8.0 fl. oz. (0.25 lb a.i.) product per acre pe year (12-month period from when Aquesta 4 F is first applied).</li> <li>Do not apply more than one application per acre of Aquesta 4 F in a 12-month period.</li> <li>Do not use on soils classified as "sand" (with &lt;1% organic matter).</li> </ul>



	SOYBEANS	
To control susceptible weeds in sovbeans. An	uesta 4 F can be applied to soybeans in the spring (preemergence or preplant incorporated). Aquesta 4 F can	also be applied in the fall, before spring planting of soybeans.
	ollowing weeds in soybeans will be controlled with <b>Aquesta 4 F</b> :	
Amaranth, Palmer	Copperleaf, hophornbeam	
Kochia (ALS and Triazine resistant)	Lambsquarters, common	
Morningglory, spp.	Nightshade	
Pigweed, spp.	Prickly sida	
Russian Thistle	Waterhemp, spp	
See Listed Weed Species section of this lat	bel for information on additional weeds.	
Application Rates		
For Coarse Textured Soils		
• Less than 1.5% OM, apply 4.5 to 6.0 fl. o.	z. (0.14-0.19 lb a.i.) <b>Aquesta 4 F</b> per acre	
<ul> <li>1.5% to 3.0 % OM, apply 6.0 to 8.0 fl. oz.</li> </ul>	. (0.19-0.25 lb a.i.) Aquesta 4 F per acre	
, 11 <b>3</b>	fl. oz. (0.25-0.316 lb a.i.) Aquesta 4 F per acre	
For Medium Textured Soils		
• Less than 1.5% OM, apply 6.0 to 8.0 fl. o		
• 1.5% to 3.0% OM, apply 8.0 to 10.1 fl. oz		
7 11 2	) fl. oz. (0.316-0.375 lb a.i.) <b>Aquesta 4 F</b> per acre	
For Fine Textured Soils		
• Less than 1.5% OM, apply 8.0 fl. oz. (0.2)		
• 1.5% to 3.0% OM, apply 10.1 fl. oz. (0.31		
• Greater than 3.0% OM, apply 12.0 fl. oz.	(U.375 lb a.l.) <b>Aquesta 4 F</b> per acre	
OM - Organic Matter	an Madium ay Fina anil antogonian. Una yata in inyawadu danandant an anil allu una highay <b>Aguanta 4 F</b> irataa y	ith lawar sail all rates (70 and lawar) and lawar Acuasta A.F. rates with
	se, Medium or Fine soil categories. Use rate is inversely dependent on soil pH - use higher <b>Aquesta 4 F</b> rates v	ith lower soil ph rates (1.0 and lower) and lower <b>Aquesta 4 F</b> rates with
higher soil pH rates (greater than 7.0). Application Instructions:		Important
	to the soil surface in the spring, preplant incorporated or preemergence, up to 3 days after planting (applications	
	it of the son sonace in the spring, preprint incorporated of preemergence, up to 5 days after pranting (applications njury, if seeds are germinating) in conventional, conservation, reduced or no-tillage cropping systems. If seedlings	
are close to soil surface or have emerged, do		practices) can cause undesirable crop response (such as discoloration
0 /		
•	be applied in the fall in conservation and notillage cropping systems for burndown of existing crop stubble and	
	s. For optimum results, fall applications should be a part of weed control programs that include spring herbicide	
	eded. Apply in the fall when soil temperature is sustained at 55 °F down to a depth of 4 inches. If using a ridge	quidelines, replanting instructions, and any other information on his
till production system, form ridges or beds pri	or to <b>Aquesta 4 F</b> application.	label prior to use
Observe the following date restrictions: Areas north of Interstate 90 - Apply after Se	intemper 20	<ul> <li>Consult with university or extension weed management specialists</li> </ul>
Areas north of Interstate 70 - Apply after Oc		for information on using <b>Aquesta 4 F</b> with specific local varieties or
Areas south of Interstate 70 - Do not make		cultivars of soybean
		• Do not apply more than 0.375 lbs sulfentrazone (12.0 fl. oz. product)
	ial application. Mix <b>Aquesta 4 F</b> in water to make a minimum of 5 gallons of spray solution for aerial application	per acre per 12 month period. If making a preplent fall application, the
° 1,3 ° 1,	lication. Be sure to use enough spray volume for acceptable soil coverage. Spray must be applied with nozzles	12 month period starts at this point.
that produce a minimum amount of fine drop		• Do not use on soils that contain less than 1 % organic matter (soils
	in the spring, mix thoroughly and shallowly incorporate the <b>Aquesta 4 F</b> into the soil. Inconsistent weed control ated or incorporated.deeper than.the maximum incorporation depth of 2 inches.	classified as 'sand')
		• To prevent runoff of Aquesta 4 F from snowmelt or rain, do not apply
	h a burndown herbicide to control emerged weeds. For adequate weed coverage when applying in the fall, mix ) gallons of finished spray per acre. If weeds are emerged, adjuvants (such as COC or MSO) can be added to the	Anilesta 4 F to solis that are trozen or have an existing show cover
	anced control of grasses and broad leaf weeds in the spring, <b>Aquesta 4 F</b> can be tank mixed with or followed	In not apply after sovpean seed has derminated
	herbicide. Read and follow the label of each tank mix product used for precautionary statements, directions for	
use, rates and timings, and other restrictions.	י הכיסוסיסט. הטעע עווע וטווטשי עוט ועטטי טי טעטוו נמווג וווא פוטעעטו עסטע וטי פוטענטוומו א סגמנטווטווג, עווטטעט	
uso, racos anu unings, anu ourer resulcuons.		



In control susceptible weeks, Aquesta 4 F can be applied preenregence to strawberries. When applied as indicated on this label, the following weeks in strawberry rule be controlled with Aquesta 4 F. Com Spurry Field Pancy Goundael, common Ladystumb Landsquarters, common Mayweed Princepte weed Prostrate knotweed Shephertspurse Wellow motisedge Vellow woodsorrel See Listed Weed Species section of this label for information on additional weeds. Application Rates For Cornes Textured Soils Less than 1.5% 0.01, apply 20 - 6.0 ft. oz. (0.07-0.095 bt a.i.) Aquesta 4 F per acre Greater than 30% 0M, apply 50 - 30.ft. oz. (0.095-0.19 bt a.i.) Aquesta 4 F per acre For facture Soils Less than 1.5% 0.01, apply 30 - 6.0 ft. oz. (0.095-0.19 bt a.i.) Aquesta 4 F per acre For facture Soils Less than 1.5% 0.01, apply 30 - 6.0 ft. oz. (0.095-0.19 bt a.i.) Aquesta 4 F per acre For Matim Textured Soils Less than 1.5% 0.01, apply 30 - 6.0 ft. oz. (0.095-0.19 bt a.i.) Aquesta 4 F per acre For facture Soils Less than 1.5% 0.01, apply 50 - 1.02 ft. oz. (0.095-0.19 bt a.i.) Aquesta 4 F per acre For Fine factured Soils Less than 1.5% 0.01, apply 50 - 0.10 ft. oz. (0.095-0.19 bt a.i.) Aquesta 4 F per acre For Fine factured Soils Less than 1.5% 0.01, apply 50 - 0.10 ft. oz. (0.19-0.28 ft b. a.i.) Aquesta 4 F per acre For Fine factured Soils Less than 1.5% 0.01, apply 50 - 1.20 ft. oz. (0.19-0.375 bt a.i.) Aquesta 4 F per acre 0.375 bt sufferntzame (12.0 ft. oz. (0.19-0.375 bt a.i.) Aquesta 4 F per acre 0.376 bt sufferntzame (12.0 ft. oz. (0.19-0.375 bt a.i.) Aquesta 4 F per acre 0.376 bt sufferntzame (12.0 ft. oz. (0.19-0.375 bt a.i.) Aquesta 4 F per acre 0.376 bt sufferntzame (12.0 ft. oz. (0.19-0.375 bt a.i.) Aquesta 4 F per acre 0.376 bt sufferntzame (12.0 ft. oz. (0.19-0.375 bt a.i.) Aquesta 4 F per acre 0.376 bt sufferntzame (12.0 ft. oz. (0.19-0.375 bt a.i.) Aquesta 4 F per acre 0.376 bt sufferntzame (12.0 ft. oz. (0.19-0.375 bt a.i.) Aquesta 4 F per acre 0.376 bt sufferntzame (12.0 ft. oz. (0.19-0.3	ormation on thi ment specialist local varieties o er application, o re per 12 mont st application
Corn Spury Ladysthumb       Field Pansy       Groundel, common         Maryneed Morningdioy, hyled       Nutsekage, yellow       Ployweed, redrot         Pineapple weed       Prostrate knotweed       Shepherdspurse         Watehemp (common, tall) White Campion       Wild buckwheat         Follow nutsdege       Heliow voadsorrel         See Listed Weed Species section of this label for information on additional weeds.         Application Rates         For Cause Extured Soils       • East than 1.5% 0.00, apply 2.5 - 3.0 ft. oz. (0.07-0.095 lb a.i.) Aquesta 4 F per acre         • 1.5% 10.40, 00, Apply 3.0 - 0.0 ft. oz. (0.19-0.18 b a.i.) Aquesta 4 F per acre         • Consult treadmin Extured Soils         • Less than 1.5% 0.00, apply 3.0 - 5.0 ft. oz. (0.19-0.25 lb a.i.) Aquesta 4 F per acre         • To Fine Textured Soils         • Less than 1.5% 0.00, apply 3.0 - 5.0 ft. oz. (0.19-0.375 lb a.i.) Aquesta 4 F per acre         • For fine Textured Soils         • Less than 1.5% 0.00, apply 3.0 - 5.0 ft. oz. (0.19-0.375 lb a.i.) Aquesta 4 F per acre         • To Fine Textured Soils         • Lass than 1.5% 0.00, apply 3.0 - 1.20 ft. oz. (0.19-0.375 lb a.i.) Aquesta 4 F per acre         • To Fine Textured Soils         • Lass than 1.5% 0.00, apply 3.0 - 1.20 ft. oz. (0.19-0.375 lb a.i.) Aquesta 4 F per acre         • Groater than 3.0% 0M, apply 5.0 - 1.20 ft. oz. (0.19-0.375 lb a.i.) Aquesta 4 F per acre	ormation on thi ment specialist local varieties o er application, o re per 12 mont st application
Ladysthumin       Lambsquarters, common       Mayweed         Morningglory, inyleaf       Nutsedge, yellow       Pigrweed, rednot         Promeaple weed       Prostate knottweed       Shepherdspurse         Waterhemp (common, tall)       White Campion       Wild buckwheat         Yellow nutsedge       Yellow woodsorrel         See Listed Weed Species section of this label for information on additional weeds.         Application Rates       For Carses Textured Solis         For Carses Textured Solis       - 15% to 3.0% 0.0M, apply 30 - 5.0 ft. oz. (0.095-0.18 h a.i.) Aquesta 4 F per acre         For Medium Textured Solis       - 1.5% to 3.0% 0.0M, apply 50 - 0.0 ft. oz. (0.19-0.28 h b.i.) Aquesta 4 F per acre         For Inse Textured Solis       - 1.20 ft. oz. (0.095-0.11 h b.i.) Aquesta 4 F per acre         - 1.5% to 3.0% 0.0M, apply 50 - 0.0 ft. oz. (0.19-0.28 h b.i.) Aquesta 4 F per acre       - 0.3% to 3.0% 0.0M, apply 50 - 2.0 ft. oz. (0.19-0.28 h b.i.) Aquesta 4 F per acre         - 1.5% to 3.0% 0.0M, apply 50 - 2.0 ft. oz. (0.19-0.28 h b.i.) Aquesta 4 F per acre       - 0.3% to 3.0% 0.0M, apply 50 - 2.0 ft. oz. (0.19-0.28 h b.i.) Aquesta 4 F per acre         - 1.5% to 3.0% 0.0M, apply 50 - 2.0 ft. oz. (0.19-0.28 h b.i.) Aquesta 4 F per acre       - 0.3% to 3.0% 0.0M, apply 50 - 2.0 ft. oz. (0.19-0.28 h b.i.) Aquesta 4 F per acre         Of - Organic Matter       - Consult with advers at 16 repoint of a loz (0.25-0.37 h b.i.) Aquesta 4 F per acre         Of - Organic	ormation on thi ment specialist local varieties o er application, o re per 12 mont st application
Morningglory, ivyleaf       Nutsedge, yellow       Pigweed, redroot         Pineapile veed       Prostrate knoweed       Shepherdspuse         Waterhemp (common, tall) White Campion       Wild buckwheat         Yellow nutsedge       Yellow woodsorrel         See Listed Weed Species section of this label for information on additional weeds.         Application facts         For Coarse Textured Solis         - Less than 1.5% 0M, apply 20 - 3.0 fl. oz. (0.095-0.19 b b.i.) Aquesta 4 F per acre         - Greater than 3.0% 0M, apply 50 - 9.0 fl. oz. (0.19-0.25 lb a.i.) Aquesta 4 F per acre         - For Kenter Solis         - Less than 1.5% 0.0, apply 50 - 9.0 fl. oz. (0.19-0.25 lb a.i.) Aquesta 4 F per acre         - For Fine Textured Solis         - Less than 1.5% 0.0, apply 50 - 9.0 fl. oz. (0.19-0.25 lb a.i.) Aquesta 4 F per acre         - Fine Textured Solis         - Iss that 0.5% 0.0, apply 50 - 9.0 fl. oz. (0.19-0.375 lb a.i.) Aquesta 4 F per acre         - Fine Textured Solis         - Less than 1.5% 0.0, apply 60 - 12.0 fl. oz. (0.19-0.375 lb a.i.) Aquesta 4 F per acre         - Tism to Extured Solis         - Consult preceding information regarding Coarse, Medium or Fine soil categories. Use rate is inversely dependent on soil pH - use higher Aquesta 4 F rates         - Off Sol 0.30% 0.00, apply 50 - 12.0 fl. oz. (0.19-0.375 lb a.i.) Aquesta 4 F per acre         - Torerink Mater	ormation on thi ment specialist local varieties o er application, o re per 12 mont st application
Pineaple weed Prostrate Knotweed Shepherdspurse Waterhemp (common, tall) White Campion Wild buckwheet Weaterhemp (common, tall) White Campion Wild buckwheet Weaterhemp (common, tall) White Campion Wild buckwheet See Listed Weed Species section of this label for information on additional weeds. Application Rates For Coarse Textured Solis - Less than 1.5% 0M, apply 2.5 - 3.0 fl. oz. (0.07-0.095 lb a.i.) Aquesta 4 F per acre - Sreater than 30% 0M, apply 3.0 - 6.0 fl. oz. (0.095-0.19 lb a.i.) Aquesta 4 F per acre - Greater than 3.0% 0M, apply 6.0 - 9.0 fl. oz. (0.19-0.375 lb a.i.) Aquesta 4 F per acre - Stewater than 3.0% 0M, apply 5.0 - 12.0 fl. oz. (0.19-0.375 lb a.i.) Aquesta 4 F per acre - Sreater than 3.0% 0M, apply 5.0 - 10.0 fl. oz. (0.19-0.375 lb a.i.) Aquesta 4 F per acre - Sreater than 3.0% 0M, apply 5.0 - 10.0 fl. oz. (0.19-0.375 lb a.i.) Aquesta 4 F per acre - Sreater than 3.0% 0M, apply 5.0 - 10.0 fl. oz. (0.19-0.375 lb a.i.) Aquesta 4 F per acre - Sreater than 3.0% 0M, apply 5.0 - 10.0 fl. oz. (0.19-0.375 lb a.i.) Aquesta 4 F per acre - Sreater than 3.0% 0M, apply 5.0 - 10.0 fl. oz. (0.19-0.375 lb a.i.) Aquesta 4 F per acre - Sreater than 3.0% 0M, apply 5.0 - 10.0 fl. oz. (0.19-0.375 lb a.i.) Aquesta 4 F per acre - Sreater than 3.0% 0M, apply 5.0 - 10.0 fl. oz. (0.19-0.375 lb a.i.) Aquesta 4 F per acre - Sreater than 3.0% 0M, apply 5.0 - 10.0 fl. oz. (0.19-0.375 lb a.i.) Aquesta 4 F per acre - Sreater than 3.0% 0M, apply 5.0 - 10.0 fl. oz. (0.19-0.375 lb a.i.) Aquesta 4 F per acre - Sreater than 3.0% 0M, apply 5.0 - 10.0 fl. oz. (0.19-0.375 lb a.i.) Aquesta 4 F per acre - Sreater than 3.0% 0M, apply 5.0 - 10.0 fl. oz. (0.19-0.375 lb a.i.) Aquesta 4 F per acre - Sreater than 3.0% 0M, apply 5.0 - 10.0 fl. oz. (0.19-0.375 lb a.i.) Aquesta 4 F per acre - Sreater than 3.0% 0M, apply 5.0 - 10.0 fl. oz. (0.19-0.375 lb a.i.) Aquesta 4 F per acre - Sreater than 3.0% 0M, apply 5.0 - 10.0 fl. oz. (0.19-0.375 lb a.i.) Aquesta 4 F per acre - Sreater than 3.0% 0M, apply 5.0 - 10.0 fl. oz. (0.19-0.375 lb a.i.) Aques	ormation on thi ment specialist local varieties o er application, o re per 12 mont st application
Waterhemp (common, tall) White Campion Vellow woodsorrel       Wild buckwheat         Vellow woodsorrel       See         See Listed Weed Species section of this label for information on additional weeds.         Application Rates         For Coarse Textured Solis         • Less than 1.5% to 3.0% 0M, apply 2.05 - 3.0 ft. oz. (0.07-0.095 lb a.i.) Aquesta 4 F per acre         • Greater than 3.0% 0M, apply 2.0 - 6.0 ft. oz. (0.095-0.19 lb a.i.) Aquesta 4 F per acre         • Information and the specific cultivars of strawberries         • Less than 1.5% 0M, apply 3.0 - 6.0 ft. oz. (0.19-0.28 lb a.i.) Aquesta 4 F per acre         • The foctured Solis         • Less than 1.5% 0M, apply 0.0 - 9.0 ft. oz. (0.19-0.28 lb a.i.) Aquesta 4 F per acre         • Greater than 3.0% 0M, apply 0.0 - 12.0 ft. oz. (0.19-0.28 lb a.i.) Aquesta 4 F per acre         • For Fine Textured Solis         • Less than 1.5% 0M, apply 0.0 - 12.0 ft. oz. (0.19-0.28 lb a.i.) Aquesta 4 F per acre         • Greater than 3.0% 0M, apply 6.0 - 12.0 ft. oz. (0.19-0.28 lb a.i.) Aquesta 4 F per acre         • Greater than 3.0% 0M, apply 6.0 - 12.0 ft. oz. (0.19-0.28 lb a.i.) Aquesta 4 F per acre         • Greater than 3.0% 0M, apply 6.0 - 12.0 ft. oz. (0.19-0.28 lb a.i.) Aquesta 4 F per acre         • Greater than 3.0% 0M, apply 6.0 - 12.0 ft. oz. (0.19-0.28 lb a.i.) Aquesta 4 F per acre         • Consult weed in information regarding Coarse, Medium or Fine soil categories. Use racre         • Greater than 3.0% 0M, apply	ormation on thi ment specialist local varieties o er application, o re per 12 mont st application
Yellow nutsedge       Yellow woodsorrel         See Listed Wead Species section of this label for information on additional weeds.         Application Rates         For Coarse Textured Soils         • Less than 1.5% 0M, apply 2.0 - 3.0 fl. oz. (0.07-0.095 lb a.i.) Aquesta 4 F per acre         • Greater than 3.0% 0M, apply 3.0 - 6.0 fl. oz. (0.095-0.11 bb a.i.) Aquesta 4 F per acre         • Less than 1.5% 0M, apply 6.0 - 9.0 fl. oz. (0.19-0.25 lb a.i.) Aquesta 4 F per acre         • For Heater than 3.0% 0M, apply 6.0 - 12.0 fl. oz. (0.19-0.275 lb a.i.) Aquesta 4 F per acre         • For Fire Textured Soils         • Less than 1.5% 0M, apply 6.0 - 9.0 fl. oz. (0.19-0.276 lb a.i.) Aquesta 4 F per acre         • For Fire Textured Soils         • Less than 1.5% 0M, apply 6.0 - 9.0 fl. oz. (0.19-0.276 lb a.i.) Aquesta 4 F per acre         • Greater than 3.0% 0M, apply 6.0 - 12.0 fl. oz. (0.19-0.276 lb a.i.) Aquesta 4 F per acre         • Greater than 3.0% 0M, apply 6.0 - 12.0 fl. oz. (0.19-0.276 lb a.i.) Aquesta 4 F per acre         • On oright prove than 8 fl oz/ (0.25 lb a.i.) Aquesta 4 F per acre         • Greater than 3.0% 0M, apply 6.0 - 12.0 fl. oz. (0.19-0.278 lb a.i.) Aquesta 4 F per acre         • Greater than 3.0% 0M, apply 6.0 - 12.0 fl. oz. (0.19-0.28 lb a.i.) Aquesta 4 F per acre         • Greater than 3.0% 0M, apply 6.0 - 12.0 fl. oz. (0.19-0.375 lb a.i.) Aquesta 4 F per acre         • On oright prove and flow and prove and prove and prove and flow and prove and flow and prove and flow and prove and flow	ormation on thi ment specialist local varieties o er application, o re per 12 mont st application
See Listed Weed Species section of this label for information on additional weeds.         Application Rates         For Coarse Textured Soils         • Less than 1.5% 0M, apply 2.25 - 3.0 fl. oz. (0.07-0.095 (b a.i.) Aquesta 4 F per acre         • Greater than 3.0% 0M, apply 6.0 - 9.0 fl. oz. (0.09-0.19 (b a.i.) Aquesta 4 F per acre         • Consult trutted Soils         • Less than 1.5% 0M, apply 6.0 - 9.0 fl. oz. (0.19-0.28 (b a.i.) Aquesta 4 F per acre         • Seater than 3.0% 0M, apply 6.0 - 12.0 fl. oz. (0.19-0.28 (b a.i.) Aquesta 4 F per acre         • Seater than 3.0% 0M, apply 6.0 - 12.0 fl. oz. (0.19-0.28 (b a.i.) Aquesta 4 F per acre         • Seater than 3.0% 0M, apply 6.0 - 12.0 fl. oz. (0.19-0.28 (b a.i.) Aquesta 4 F per acre         • Seater than 3.0% 0M, apply 6.0 - 12.0 fl. oz. (0.19-0.28 (b a.i.) Aquesta 4 F per acre         • Seater than 3.0% 0M, apply 6.0 - 12.0 fl. oz. (0.19-0.28 (b a.i.) Aquesta 4 F per acre         • Seater than 3.0% 0M, apply 6.0 - 12.0 fl. oz. (0.19-0.375 (b a.i.) Aquesta 4 F per acre         • Seater than 3.0% 0M, apply 6.0 - 12.0 fl. oz. (0.19-0.375 (b a.i.) Aquesta 4 F per acre         • Seater than 3.0% 0M, apply 6.0 - 12.0 fl. oz. (0.19-0.375 (b a.i.) Aquesta 4 F per acre         • Grastir than 3.0% 0M, apply 6.0 - 12.0 fl. oz. (0.19-0.375 (b a.i.) Aquesta 4 F per acre         • Grastir than 3.0% 0M, apply 6.0 - 12.0 fl. oz. (0.19-0.375 (b a.i.) Aquesta 4 F per acre         • Grastir than 3.0% 0M, apply 6.0 - 12.0 fl. oz. (0.19-0.375 (b a.i.) Aquesta 4 F per acre         •	ormation on thi ment specialist local varieties o er application, o re per 12 mont st application
Application Rates       Important         For Coarse Textured Soils       Isso the 15% OM, apply 225 - 3.0 ft. oz. (0.07-0.095 lb a.i.) Aquesta 4 F per acre       Read and follow all precautions, and any other in label prior to use         Instructions       Instructions       (0.07-0.095 lb a.i.) Aquesta 4 F per acre       Consult with university or extension weed manage for information ou using Aquesta 4 F per acre       Consult with university or extension weed manage for information ou sing Aquesta 4 F per acre       Do not apply more than 8 ft az/ (0.25 lb) per acre i         1.5% to 3.0% OM, apply 5.0 - 9.0 ft. oz. (0.19-0.28 lb a.i.) Aquesta 4 F per acre       Do not apply more than 8 ft az/ (0.25 lb) per acre i         0.375 lbs suffertazone (12.0 ft. oz. (0.19-0.28 lb a.i.) Aquesta 4 F per acre       Do not apply more than 8 ft az/ (0.25 lb) per acre i         1.5% to 3.0% OM, apply 5.0 - 9.0 ft. oz. (0.19-0.28 lb a.i.) Aquesta 4 F per acre       Bo not apply more than 8 ft az/ (0.25 lb) per acre i         1.5% to 1.0%, apply 5.0 - 10.0 ft. oz. (0.19-0.375 lb a.i.) Aquesta 4 F per acre       Bo not apply more than 8 ft az/ (0.25 lb) per acre i         1.5% to 3.0% OM, apply 5.0 - 10.0 ft. oz. (0.19-0.375 lb a.i.) Aquesta 4 F per acre       Bo not apply more than 8 ft az/ (0.25 lb) per acre i         0.4 Organic Matter       Consult precading information regarding Coarse, Medium or Fine soil categories. Use rate is inversely dependent on soil pH - use higher Aquesta 4 F rates with higher soil pH rates (20 and lower) and lower Aquesta 4 F application can be followed with a postemergence melon herbicide.       Fareket han Mix Aquesta 4 F	ormation on thi ment specialist local varieties o er application, o re per 12 mont st application
For Coarse Textured Soils <ul> <li>Read and follow all precautions, instructions, guidelines, replanting instructions, and any other in label prior to use</li> <li>Read and follow all precautions, instructions, guidelines, replanting instructions, and any other in label prior to use</li> <li>Read and follow all precautions, instructions, guidelines, replanting instructions, and any other in label prior to use</li> <li>Read and follow all precautions, instructions, guidelines, replanting instructions, and any other in label prior to use</li> <li>Read and follow all precautions, instructions, guidelines, replanting instructions, and any other in label prior to use</li> <li>Consult with university or extension weed manage for information on using Aquesta 4 F per acre</li> <li>Greater than 3.0% OM, apply 3.0 - 5.0 fl. oz. (0.095-0.19 lb a.i.) Aquesta 4 F per acre</li> <li>For Fine Textured Soils</li> <li>Less than 1.5% OM, apply 6.0 - 12.0 fl. oz. (0.19-0.275 lb a.i.) Aquesta 4 F per acre</li> <li>Greater than 3.0% OM, apply 6.0 - 12.0 fl. oz. (0.19-0.375 lb a.i.) Aquesta 4 F per acre</li> <li>Greater than 3.0% OM, apply 6.0 - 12.0 fl. oz. (0.19-0.375 lb a.i.) Aquesta 4 F per acre</li> <li>On ont apply 6.0 - 12.0 fl. oz. (0.19-0.375 lb a.i.) Aquesta 4 F per acre</li> <li>Consult preceding information regarding Coarse, Medium or Fine soil categories. Use rate is inversely dependent on soil pH - use higher Aquesta 4 F rates with higher soil pH rates (greater than 7.0).</li> </ul> <li>Application Instructions:         <ul> <li>Application instructions reparting formation regarding Coarse, Medium or Fine soil phating the precedure weeds, Aquesta 4 F application can be followed with a postemergence melon herbicide.</li> <li>Tank Mixes: Aquesta 4 F with burdown herbicide</li></ul></li>	ormation on thi ment specialist local varieties o er application, o re per 12 mont st application
<ul> <li>Less than 1.5% 0M, apply 2.25 - 3.0 fl. oz. (0.07-0.095 lb a.i.) Aquesta 4 F per acre</li> <li>1.5% to 3.0% 0M, apply 3.0 - 6.0 fl. oz. (0.095-0.19 lb a.i.) Aquesta 4 F per acre</li> <li>Greater than 3.0% 0M, apply 3.0 - 6.0 fl. oz. (0.19-0.25 lb a.i.) Aquesta 4 F per acre</li> <li>1.5% to 3.0% 0M, apply 3.0 - 4.5 fl. oz. (0.095-0.14 lb a.i.) Aquesta 4 F per acre</li> <li>Greater than 3.0% 0M, apply 6.0 - 9.0 fl. oz. (0.19-0.28 lb a.i.) Aquesta 4 F per acre</li> <li>Greater than 3.0% 0M, apply 6.0 - 9.0 fl. oz. (0.19-0.28 lb a.i.) Aquesta 4 F per acre</li> <li>Greater than 3.0% 0M, apply 6.0 - 12.0 fl. oz. (0.19-0.28 lb a.i.) Aquesta 4 F per acre</li> <li>Greater than 3.0% 0M, apply 6.0 - 12.0 fl. oz. (0.19-0.28 lb a.i.) Aquesta 4 F per acre</li> <li>1.5% to 3.0% 0M, apply 3.0 - 6.0 fl. oz. (0.19-0.28 lb a.i.) Aquesta 4 F per acre</li> <li>1.5% to 3.0% 0M, apply 6.0 - 12.0 fl. oz. (0.19-0.28 lb a.i.) Aquesta 4 F per acre</li> <li>Greater than 3.0% 0M, apply 6.0 - 12.0 fl. oz. (0.19-0.28 lb a.i.) Aquesta 4 F per acre</li> <li>1.5% to 3.0% 0M, apply 6.0 - 12.0 fl. oz. (0.19-0.28 lb a.i.) Aquesta 4 F per acre</li> <li>Greater than 3.0% 0M, apply 6.0 - 12.0 fl. oz. (0.19-0.28 lb a.i.) Aquesta 4 F per acre</li> <li>Greater than 3.0% 0M, apply 6.0 - 12.0 fl. oz. (0.19-0.375 lb a.i.) Aquesta 4 F per acre</li> <li>On ortigo are close to soil surface or have emer Aquesta 4 F directly to crop</li> <li>If seedlings are close to soil surface or have emer Aquesta 4 F directly to crop</li> <li>Application Instructions:</li> <li>Apply anount of Aquesta 4 F indicated above as a preemergence treatment prior to planting up to just before seedling emergence. To avoid severe injury to strawberry crop, do not make application after seedlings have emerged.</li> <li>For enhanced control of broadleaf and grass weeds, Aquesta 4 F application can be followed with a postemergence melon herbicide.</li> <li>Tank Mixes: Aquesta 4 F can be spli-applied o</li></ul>	ormation on thi ment specialist local varieties o er application, o re per 12 mont st application
<ul> <li>1.5% to 3.0% OM, apply 3.0 - 6.0 fl. oz. (0.095-0.19 lb a.i.) Aquesta 4 F per acre</li> <li>Greater than 3.0% OM, apply 6.0 - 9.0 fl. oz. (0.19-0.25 lb a.i.) Aquesta 4 F per acre</li> <li>Consult with university or extension weed manage for information on using Aquesta 4 F with specific cultivars of strawberries</li> <li>Do not apply 3.0 - 6.0 fl. oz. (0.19-0.28 lb a.i.) Aquesta 4 F per acre</li> <li>Greater than 3.0% OM, apply 6.0 - 9.0 fl. oz. (0.19-0.28 lb a.i.) Aquesta 4 F per acre</li> <li>Greater than 3.0% OM, apply 6.0 - 12.0 fl. oz. (0.19-0.375 lb a.i.) Aquesta 4 F per acre</li> <li>The Textured Solis</li> <li>Less than 1.5% to 3.0% OM, apply 6.0 - 9.0 fl. oz. (0.19-0.28 lb a.i.) Aquesta 4 F per acre</li> <li>The Textured Solis</li> <li>Less than 1.5% to 3.0% OM, apply 6.0 - 9.0 fl. oz. (0.19-0.275 lb a.i.) Aquesta 4 F per acre</li> <li>Greater than 3.0% OM, apply 6.0 - 9.0 fl. oz. (0.19-0.28 lb a.i.) Aquesta 4 F per acre</li> <li>The Textured Solis</li> <li>Less than 1.5% to 3.0% OM, apply 6.0 - 12.0 fl. oz. (0.19-0.275 lb a.i.) Aquesta 4 F per acre</li> <li>Greater than 3.0% OM, apply 6.0 - 12.0 fl. oz. (0.19-0.375 lb a.i.) Aquesta 4 F per acre</li> <li>Greater than 3.0% OM, apply 6.0 - 12.0 fl. oz. (0.19-0.375 lb a.i.) Aquesta 4 F per acre</li> <li>More organic Matter</li> <li>Consult preceding information regarding Coarse, Medium or Fine soil categories. Use rate is inversely dependent on soil pH - use higher Aquesta 4 F rates with higher soil pH rates (greater than 7.0).</li> <li>Application Instructions:</li> <li>Apply around the Application after seedlings have emerged.</li> <li>For enhanced control of broadleaf and grass weeds, Aquesta 4 F application can be followed with a postemergence melon herbicide.</li> <li>Tank Mixes: Aquesta 4 F with burndown herbicides to control emerged weeds. Read and follow the label of each tank mix product used for precautionary statements, directions for use, rates and tim</li></ul>	ment specialist local varieties o er application, o re per 12 mont st application
• Greater than 3.0% OM, apply 6.0 - 9.0 fl. oz. (0.19-0.25 lb a.i.) Aquesta 4 F per acre               • Consult with university or extension weed manag             for information on using Aquesta 4 F with specific             class than 1.5% OM, apply 6.0 - 9.0 fl. oz. (0.19-0.28 lb a.i.) Aquesta 4 F per acre             • Greater than 3.0% OM, apply 6.0 - 12.0 fl. oz. (0.19-0.27 lb a.i.) Aquesta 4 F per acre             • Greater than 3.0% OM, apply 6.0 - 12.0 fl. oz. (0.19-0.375 lb a.i.) Aquesta 4 F per acre             • Greater than 3.0% OM, apply 6.0 - 9.0 fl. oz. (0.19-0.375 lb a.i.) Aquesta 4 F per acre             • Sreater than 3.0% OM, apply 6.0 - 12.0 fl. oz. (0.19-0.375 lb a.i.) Aquesta 4 F per acre             • Greater than 3.0% OM, apply 6.0 - 12.0 fl. oz. (0.19-0.375 lb a.i.) Aquesta 4 F per acre             • Greater than 3.0% OM, apply 6.0 - 12.0 fl. oz. (0.19-0.375 lb a.i.) Aquesta 4 F per acre             • Greater than 3.0% OM, apply 6.0 - 12.0 fl. oz. (0.19-0.375 lb a.i.) Aquesta 4 F per acre             • Greater than 3.0% OM, apply 6.0 - 12.0 fl. oz. (0.19-0.375 lb a.i.) Aquesta 4 F per acre             • Greater than 3.0% OM, apply 6.0 - 12.0 fl. oz. (0.19-0.375 lb a.i.) Aquesta 4 F per acre             • Greater than 3.0% OM, apply 6.0 - 12.0 fl. oz. (0.19-0.375 lb a.i.) Aquesta 4 F per acre             • Greater than 3.0% OM, apply 6.0 - 12.0 fl. oz. (0.19-0.375 lb a.i.) Aquesta 4 F per acre             • Greater than 3.0% OM, apply 6.0 - 12.0 fl. oz. (0.19-0.375 lb a.i.) Aquesta 4 F per acre             • Greater than 3.0% OM, apply 6.0 - 12.0 fl. oz. (0.19-0.375 lb a.i.) Aquesta 4 F per acre             • Greater than 3.0% OM, apply 6.0 - 12.0 fl. oz. (0.19-0.375 lb a.i.) Aquesta 4 F per acre             • Greater than 3.0% OM, apply 6.0 - 12.0 fl. oz. (0.19-0.375 lb a.i.) Aquesta 4 F per acre             • Greater than 3.0% OM, apply 6.0 - 12.0 fl. oz. (0.19-0.375 lb a.i.) Aquesta 4 F per acre             • Greater than	local varieties of er application, of re per 12 mont st application
For Medium Textured Soils  • Less than 1.5% 0 M, apply 3.0-4.5 fl. oz. (0.095-0.14 lb a.i.) Aquesta 4 F per acre  • 1.5% to 3.0% 0 M, apply 6.0 - 9.0 fl. oz. (0.19-0.28 lb a.i.) Aquesta 4 F per acre  • Greater than 3.0% 0 M, apply 6.0 - 12.0 fl. oz. (0.19-0.375 lb a.i.) Aquesta 4 F per acre  • I.5% to 3.0% 0 M, apply 5.0 - 9.0 fl. oz. (0.095-0.19 lb a.i.) Aquesta 4 F per acre  • I.5% to 3.0% 0 M, apply 5.0 - 9.0 fl. oz. (0.19-0.375 lb a.i.) Aquesta 4 F per acre  • I.5% to 3.0% 0 M, apply 5.0 - 12.0 fl. oz. (0.19-0.375 lb a.i.) Aquesta 4 F per acre  • Greater than 3.0% 0 M, apply 5.0 - 12.0 fl. oz. (0.19-0.375 lb a.i.) Aquesta 4 F per acre  • Greater than 3.0% 0 M, apply 5.0 - 12.0 fl. oz. (0.19-0.375 lb a.i.) Aquesta 4 F per acre  • Greater than 3.0% 0 M, apply 5.0 - 12.0 fl. oz. (0.19-0.375 lb a.i.) Aquesta 4 F per acre  • Greater than 3.0% 0 M, apply 5.0 - 12.0 fl. oz. (0.19-0.375 lb a.i.) Aquesta 4 F per acre  • Greater than 3.0% 0 M, apply 6.0 - 12.0 fl. oz. (0.19-0.375 lb a.i.) Aquesta 4 F per acre  • Greater than 3.0% 0 M, apply 6.0 - 12.0 fl. oz. (0.19-0.375 lb a.i.) Aquesta 4 F per acre  • Greater than 3.0% 0 M, apply 6.0 - 12.0 fl. oz. (0.19-0.375 lb a.i.) Aquesta 4 F per acre  • Greater than 3.0% 0 M, apply 6.0 - 12.0 fl. oz. (0.19-0.375 lb a.i.) Aquesta 4 F per acre  • Greater than 3.0% 0 M, apply 6.0 - 12.0 fl. oz. (0.19-0.375 lb a.i.) Aquesta 4 F per acre  • Greater than 3.0% 0 M, apply 6.0 - 12.0 fl. oz. (0.19-0.375 lb a.i.) Aquesta 4 F per acre  • Greater than 3.0% 0 M, apply 6.0 - 12.0 fl. oz. (0.19-0.375 lb a.i.) Aquesta 4 F per acre  • Greater than 3.0% 0 M, apply 6.0 - 12.0 fl. oz. (0.19-0.375 lb a.i.) Aquesta 4 F per acre  • Greater than 3.0% 0 M, apply 6.0 - 12.0 fl. oz. (0.19-0.375 lb a.i.) Aquesta 4 F per acre  • Greater than 3.0% 0 M, apply 6.0 - 12.0 fl. oz. (0.19-0.375 lb a.i.) Aquesta 4 F per acre  • Greater than 3.0% 0 M, apply 6.0 - 12.0 fl. oz. (0.19-0.375 lb a.i.) Aquesta 4 F per acre  • Greater than 3.0% 0 M, apply 6.0 - 12.0 fl. oz. (0.19-0.375 lb a.i.) Aquesta 4 F per acre  • G	local varieties of er application, of re per 12 mont st application
<ul> <li>Less than 1.5% 0M, apply 3.0-4.5 fl. oz. (0.095-0.14 lb a.i.) Aquesta 4 F per acre</li> <li>1.5% to 3.0% 0M, apply 6.0 - 9.0 fl. oz. (0.19-0.28 lb a.i.) Aquesta 4 F per acre</li> <li>Greater than 3.0% 0M, apply 6.0 - 12.0 fl. oz. (0.19-0.375 lb a.i.) Aquesta 4 F per acre</li> <li>1.5% to 3.0% 0M, apply 6.0 - 9.0 fl. oz. (0.095-0.19 lb a.i.) Aquesta 4 F per acre</li> <li>1.5% to 3.0% 0M, apply 6.0 - 9.0 fl. oz. (0.095-0.19 lb a.i.) Aquesta 4 F per acre</li> <li>1.5% to 3.0% 0M, apply 6.0 - 9.0 fl. oz. (0.19-0.28 lb a.i.) Aquesta 4 F per acre</li> <li>0.75 lbs suffertazone (12.0 fl. oz. product) per a period. The 12 month period starts at the point of fi</li> <li>It seedlings are close to soil surface or have emere</li> <li>1.5% to 3.0% 0M, apply 6.0 - 12.0 fl. oz. (0.19-0.375 lb a.i.) Aquesta 4 F per acre</li> <li>On organic Matter</li> <li>Consult preceding information regarding Coarse, Medium or Fine soil categories. Use rate is inversely dependent on soil pH - use higher Aquesta 4 F rates</li> <li>Application Instructions:</li> <li>Apply amount of Aquesta 4 F indicated above as a preemergence treatment prior to planting up to just before seedling emergence. To avoid severe injury to strawberry crop, do not make application fatre seedlings have emerged.</li> <li>For enhanced control of broadleaf and grass weeds, Aquesta 4 F application can be followed with a postemergence melon herbicide.</li> <li>Tank Mixes: Aquesta 4 F with burdhown herbicides to control emerged weeds. Read and follow the label of each tank mix product used for precautionary statements, directions for use, rates and timings, and other restrictions.</li> </ul>	er application, c re per 12 mont st application
<ul> <li>1.5% to 3.0% 0M, apply 6.0 - 9.0 fl. oz. (0.19-0.28 lb a.i.) Aquesta 4 F per acre</li> <li>Greater than 3.0% 0M, apply 6.0 - 12.0 fl. oz. (0.19-0.375 lb a.i.) Aquesta 4 F per acre</li> <li>Ses than 1.5% 0M, apply 3.0 - 6.0 fl. oz. (0.095-0.19 lb a.i.) Aquesta 4 F per acre</li> <li>1.5% to 3.0% 0M, apply 6.0 - 12.0 fl. oz. (0.19-0.28 lb a.i.) Aquesta 4 F per acre</li> <li>Greater than 3.0% 0M, apply 6.0 - 12.0 fl. oz. (0.19-0.375 lb a.i.) Aquesta 4 F per acre</li> <li>Greater than 3.0% 0M, apply 6.0 - 12.0 fl. oz. (0.19-0.375 lb a.i.) Aquesta 4 F per acre</li> <li>Greater than 3.0% 0M, apply 6.0 - 12.0 fl. oz. (0.19-0.375 lb a.i.) Aquesta 4 F per acre</li> <li>Greater than 3.0% 0M, apply 6.0 - 12.0 fl. oz. (0.19-0.375 lb a.i.) Aquesta 4 F per acre</li> <li>On ord apply more than 8 fl oz/ (0.25 lb) per acre i</li> <li>Greater than 3.0% 0M, apply 6.0 - 12.0 fl. oz. (0.19-0.375 lb a.i.) Aquesta 4 F per acre</li> <li>Organic Matter</li> <li>Consult preceding information regarding Coarse, Medium or Fine soil categories. Use rate is inversely dependent on soil pH - use higher Aquesta 4 F rates with lower soil pH rates (12 and lower) and lower Aquesta 4 F rates with higher soil pH rates (greater than 7.0).</li> <li>Application Instructions:</li> <li>Apply amount of Aquesta 4 F indicated above as a preemergence treatment prior to planting up to just before seedling emergence. To avoid severe injury to strawberry crop, do not make application after seedlings have emerged.</li> <li>For enhanced control of broadleaf and grass weeds, Aquesta 4 F application can be followed with a postemergence melon herbicide.</li> <li>Tank Mixze: Aquesta 4 F can be split-applied or mixed with other herbicides labeled for use on strawberries to enhance control to broadleaf weeds and grasses. Tank mix Aquesta 4 F with burndown herbicides to control emerged weeds. Read and follow the label of each tank mix product used for precautionary statements, directions for use, ra</li></ul>	re per 12 mont st application
Greater than 3.0% 0M, apply 6.0 - 12.0 fl. oz. (0.19-0.375 lb a.i.) Aquesta 4 F per acre     For Fine Textured Soils     Less than 1.5% 0M, apply 3.0 - 6.0 fl. oz. (0.095-0.19 lb a.i.) Aquesta 4 F per acre     1.5% to 3.0% 0M, apply 6.0 - 9.0 fl. oz. (0.095-0.19 lb a.i.) Aquesta 4 F per acre     Greater than 3.0% 0M, apply 6.0 - 9.0 fl. oz. (0.095-0.19 lb a.i.) Aquesta 4 F per acre     Greater than 3.0% 0M, apply 6.0 - 12.0 fl. oz. (0.19-0.375 lb a.i.) Aquesta 4 F per acre     Greater than 3.0% 0M, apply 6.0 - 12.0 fl. oz. (0.19-0.375 lb a.i.) Aquesta 4 F per acre     Greater than 3.0% 0M, apply 6.0 - 12.0 fl. oz. (0.19-0.375 lb a.i.) Aquesta 4 F per acre     Greater than 3.0% 0M, apply 6.0 - 12.0 fl. oz. (0.19-0.375 lb a.i.) Aquesta 4 F per acre     Greater than 3.0% 0M, apply 6.0 - 12.0 fl. oz. (0.19-0.375 lb a.i.) Aquesta 4 F per acre     Greater than 3.0% 0 M, apply 6.0 - 12.0 fl. oz. (0.19-0.375 lb a.i.) Aquesta 4 F per acre     Greater than 3.0% 0 M, apply 6.0 - 12.0 fl. oz. (0.19-0.375 lb a.i.) Aquesta 4 F per acre     Greater than 3.0% 0 M, apply 6.0 - 12.0 fl. oz. (0.19-0.375 lb a.i.) Aquesta 4 F per acre     Greater than 3.0% 0 M, apply 6.0 - 12.0 fl. oz. (0.19-0.375 lb a.i.) Aquesta 4 F per acre     Greater than 3.0% 0 M, apply 6.0 - 12.0 fl. oz. (0.19-0.375 lb a.i.) Aquesta 4 F per acre     Greater than 3.0% 0 M, apply 6.0 - 12.0 fl. oz. (0.19-0.375 lb a.i.) Aquesta 4 F per acre     Greater than 3.0% 0 M, apply 6.0 - 12.0 fl. oz. (0.19-0.375 lb a.i.) Aquesta 4 F per acre     Greater than 3.0% 0 M, apply 6.0 - 12.0 fl. oz. (0.19-0.375 lb a.i.) Aquesta 4 F per acre     Greater than 3.0% 0 M, apply 6.0 - 12.0 fl. oz. (0.19-0.375 lb a.i.) Aquesta 4 F per acre     Greater than 3.0% 0 M, apply 6.0 - 12.0 fl. oz. (0.19-0.375 lb a.i.) Aquesta 4 F per acre     Greater than 7.0.     Application Instructions:     Apply amount of Aquesta 4 F indicated above as a preemergence treatment prior to planting up to just before seedling emergence. To avoid severe injury to strawberry crop, do not make application	re per 12 mont st application
For Fine Textured Soils  • Less than 1.5% 6 M, apply 3.0 - 6.0 fl. oz. (0.095-0.19 lb a.i.) Aquesta 4 F per acre  • 1.5% to 3.0% 6 M, apply 6.0 - 9.0 fl. oz. (0.19-0.28 lb a.i.) Aquesta 4 F per acre  • 0 Greater than 3.0% 6 M, apply 6.0 - 12.0 fl. oz. (0.19-0.375 lb a.i.) Aquesta 4 F per acre OM - Organic Matter Consult preceding information regarding Coarse, Medium or Fine soil categories. Use rate is inversely dependent on soil pH - use higher Aquesta 4 F rates with lower soil pH rates (7.0 and lower) and lower Aquesta 4 F rates with higher soil pH rates (greater than 7.0). Application Instructions: Apply amount of Aquesta 4 F indicated above as a preemergence treatment prior to planting up to just before seedling emergence. To avoid severe injury to strawberry crop, do not make application after seedlings have emerged. For enhanced control of broadleaf and grass weeds, Aquesta 4 F application can be followed with a postemergence melon herbicide. Tank Mixes: Aquesta 4 F with burndown herbicides to control emerged weeds. Read and follow the label of each tank mix product used for precautionary statements, directions for use, rates and timings, and other restrictions. SUCCULENT PEAS* Cajanus cajan (includes pigeon pea); Cicer spp. (includes chickpea and garbanzo bean); Lens culinaris (lentil); Pisum spp.	st application
<ul> <li>Less than 1.5% 0M, apply 3.0 - 6.0 fl. oz. (0.095-0.19 lb a.i.) Aquesta 4 F per acre</li> <li>1.5% to 3.0% 0M, apply 6.0 - 9.0 fl. oz. (0.19-0.28 lb a.i.) Aquesta 4 F per acre</li> <li>Greater than 3.0% 0M, apply 6.0 - 12.0 fl. oz. (0.19-0.375 lb a.i.) Aquesta 4 F per acre</li> <li>OM - Organic Matter</li> <li>Consult preceding information regarding Coarse, Medium or Fine soil categories. Use rate is inversely dependent on soil pH - use higher Aquesta 4 F rates with higher soil pH rates (<i>I</i> cand lower) and lower Aquesta 4 F rates with higher soil pH rates (greater than 7.0).</li> <li>Application Instructions:</li> <li>Apply amount of Aquesta 4 F indicated above as a preemergence treatment prior to planting up to just before seedling emergence. To avoid severe injury to strawberry crop, do not make application after seedlings have emerged.</li> <li>For enhanced control of broadleaf and grass weeds, Aquesta 4 F application can be followed with a postemergence melon herbicide.</li> <li>Tank Mixes: Aquesta 4 F can be split-applied or mixed with other herbicides labeled for use on strawberries to enhance control to broadleaf weeds and grasses. Tank mix Aquesta 4 F with burndown herbicides to control emerged weeds. Read and follow the label of each tank mix product used for precautionary statements, directions for use, rates and timings, and other restrictions.</li> </ul>	
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Cajanus cajan (includes pigeon pea); Cicer spp. (includes chickpea and garbanzo bean); Lens culinaris (lentil); Pisum spp.	
(includes dwarf pea, garden pea, green pea, English pea, field pea and edible pod pea)	
To control susceptible weeds, Aquesta 4 F can be applied preemergence to succulent peas.	
When applied as indicated on this label, the following weeds in succulent peas will be controlled with	
Aquesta 4 F:	
Copperleaf, hophornbeam Morningglory (entireleaf, ivyleaf)	
Pigweed (redroot, smooth)	
See Listed Weed Species section of this label for information on additional weeds.	
*Not for Use in California	
Application Rates Important	
For Coarse Textured Soils   • Read and follow all precautions, instructions,	
• Less than 1.5% OM, apply 2.25 - 3.75 fl. oz. (0.07-0.12 lb a.i.) Aquesta 4 F per acre	ormation on thi
• 1.5% to 3.0% OM, apply 3.0 - 4.5 fl. oz. (0.095-0.14 lb a.i.) Aquesta 4 F per acre	
Greater than 3.0% OM, apply 3.75 - 6.0 fl. oz. (0.12-0.19 lb a.i.) Aquesta 4 F per acre     Consult with university or extension weed manage	
For Medium Textured Soils for information on using Aquesta 4 F with specific	ocal varieties o
<ul> <li>Less than 1.5% 0M, apply 3.0 - 6.0 fl. oz. (0.095-0.19 lb a.i.) Aquesta 4 F per acre</li> <li>cultivars of succulent peas</li> <li>1.5% to 3.0% 0M, apply 3.75 - 6.0 ft. oz. (0.12-0.19 lb a.i.) Aquesta 4 F per acre</li> <li>Do not apply more than 0.1875 lbs sulfentrazone (6</li> </ul>	
	)fl en nveduet
Greater than 3.0% OM, apply 4.5 - 6.0 fl. oz. (0.14-0.19 lb a.i.) Aquesta 4 F per acre     per acre per 12 month period. The 12 month period     for Fine Textured Soils	
• Less than 1.5% OM, apply 3.75 - 6.0 fl. oz. (0.12-0.19 lb a.i.) Aquesta 4 F per acre     • Wait a minimum of 7 days after application to plant i	
• 1.5% to 3.0% OM, apply 4.5 - 6.0 fl. oz. (0.12-0.19 lb a.i.) Aquesta 4 F per acre soils with less than 1.5% organic matter.	tarts at the poir
Greater than 3.0% OM, apply 5.25 - 6.0 fl. oz. (0.145-0.19 lb a.i.) Aquesta 4 F per acre     Greater than 3.0% OM, apply 5.25 - 6.0 fl. oz. (0.165-0.19 lb a.i.) Aquesta 4 F per acre     Reduce rate of Aquesta 4 F on coarse textured	tarts at the poir
OM - Organic Matter matter < 1.5% and pH of 7.8 or higher, or on highly	tarts at the poir
	tarts at the poir coarse texture coil with organi
Consult preceding information regarding Coarse, Medium or Fine soil categories. Use rate is inversely dependent on soil pH - use higher Aquesta 4 F rates areas of calcareous outcroppings to minimize adver.	tarts at the poir a coarse texture coil with organi roded soils, or i
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<ul> <li>with lower soil pH rates (7.0 and lower) and lower Aquesta 4 F rates with higher soil pH rates (greater than 7.0).</li> <li>Planting less than 1 inch in depth or inadequate seed poor growing conditions (diseases, low temperature excessive moisture) can also cause adverse crop re</li> <li>Reduced weed control can occur if crop is experiperiods of dry weather.</li> </ul>	tarts at the poir a coarse texture soil with organi roded soils, or i e crop response furrow closure o soil compaction ponse. encing extende
<ul> <li>with lower soil pH rates (7.0 and lower) and lower Aquesta 4 F rates with higher soil pH rates (greater than 7.0).</li> <li>Planting less than 1 inch in depth or inadequate seed poor growing conditions (diseases, low temperature excessive moisture) can also cause adverse crop re excessive moister cause adverse crop re exces</li></ul>	tarts at the poir a coarse texture soil with organi roded soils, or i e crop response furrow closure o soil compaction ponse. encing extende





# SUNFLOWER\*

To control or suppress weeds in sunflowers, <b>Aquesta 4 F</b> can be applied at the following times: In the Fall (Preplant), before spring planting of sunflowers (Fall applications allowed only in ND, SD, MT, MN, WY, CO, NE, KS) In the Spring (Early Preplant, Preemergence, Preplant Incorporated), prior to planting up to three days after planting. When applied as indicated on this label, the following weeds in sunflowers will be controlled with <b>Aquesta 4 F</b>	
When applied as indicated on this label, the following weeds in sunflowers will be controlled with Aquesta 4 F	
Amaranth, PalmerFilaree, redstemKochia (ALS and Triazine Resistant)Lambsquarters, commonMorningglory (ivyleaf and tall)Nightshade, Eastern blackPigweed (red root, smooth)Sida, pricklyThistle, RussianWaterhemp (common, tall)	
See Listed Weed Species section of this label for information on additional weeds *Not for Use in California	
Application Rates For Coarse Textured SoilsImpo• Less than 1.5% 0M, apply 3.0 to 3.75 fl. oz. (0.095-0.12 lb a.i.) Aquesta 4 F per acre • 1.5% to 3.0% 0M, apply 3.0-4.5 fl. oz. (0.095-0.14 lb a.i.) Aquesta 4 F per acre • Greater than 3.0% 0M, apply 3.75 - 6.0 fl. oz. (0.12-0.19 lb a.i.) Aquesta 4 F per acre • I.5% to 3.0% 0M, apply 3.0 to 4.5 fl. oz. (0.095-0.14 lb a.i.) Aquesta 4 F per acre • I.5% to 3.0% 0M, apply 3.75 to 6.0 fl. oz. (0.12-0.19 lb a.i.) Aquesta 4 F per acre • I.5% to 3.0% 0M, apply 3.75 to 6.0 fl. oz. (0.12-0.19 lb a.i.) Aquesta 4 F per acre • Greater than 3.0% 0M, apply 3.75 to 6.0 fl. oz. (0.12-0.19 lb a.i.) Aquesta 4 F per acre • Greater than 3.0% 0M, apply 4.5 to 6.75 fl. oz. (0.12-0.165 lb a.i.) Aquesta 4 F per acre • 1.5% to 3.0% 0M, apply 3.75 to 5.25 fl. oz. (0.12-0.165 lb a.i.) Aquesta 4 F per acre • 1.5% to 3.0% 0M, apply 3.75 to 5.25 fl. oz. (0.12-0.165 lb a.i.) Aquesta 4 F per acre • 1.5% to 3.0% 0M, apply 4.5 to 6.75 fl. oz. (0.12-0.165 lb a.i.) Aquesta 4 F per acre • Greater than 3.0% 0M, apply 5.0 to 8.0 fl. oz. (0.14-0.21 lb a.i.) Aquesta 4 F per acre 	ortant educe rate of Aquesta 4 F on coarse textured soil with organic hatter less than 1.5% and pH of 7.8 or higher, or on highly eroded oils or in areas of calcareous outcroppings to minimize adverse crop sponse. lanting less than 1 inch in depth or inadequate seed furrow closure or oor growing conditions (diseases, low temperature, soil compaction, kcessive moisture) can also cause adverse crop response. ead and follow all precautions, instructions, rotational crop uidelines, replanting instructions, and any other information on this bel prior to use onsult with university or extension weed management specialists or information on using Aquesta 4 F with specific local varieties or ultivars of sunflowers o not apply more than 0.25 lbs sulfentrazone (8.0 fl. oz. product) per cre per 12 month period. The 12 month period starts at the point if first application. o prevent runoff of Aquesta 4 F from snowmelt or rain, do not apply questa 4 F to soils that contain less than 1 % organic matter (soils assified as 'sand') roduct is not to be incorporated any deeper than 2 inches



TOBACCO (Burley, Flue-Cured and Dark)*	
Aquesta 4 F can be applied preemergence or preplant incorporated to tobacco transplants, for control of susceptible weeds.         When applied as indicated on this label, the following weeds in tobacco will be controlled with Aquesta 4 F         Amaranthus, livid       Filaree, redstem       Galinsoga, hairy         Lambsquarters, common       Morningglory (ivyleaf, tall)       Pigweed (redroot, smooth)         Sida, prickly       Signalgrass, broadleaf       Smartweed, Pennsylvania         See Listed Weed Species       section of this label for information on additional weeds         *Not for Use in California       Valifornia	
Application Rates         For Caarse Textured Soils         • Less than 1.5% 0.0M, apply 4.5 - 6.0 fl. oz. (0.14-0.19 lb a.i.) Aquesta 4 F per acre         • Instruction Textured Soils         • Greater than 3.0% 0.0M, apply 8.0 - 10.1 fl. oz. (0.25-0.316 lb a.i.) Aquesta 4 F per acre         For Medium Textured Soils         • Less than 1.5% 0.0M, apply 6.0 - 8.0 fl. oz. (0.19-0.25 lb a.i.) Aquesta 4 F per acre         • For Medium Textured Soils         • Careter than 3.0% 0.0M, apply 6.0 - 8.0 fl. oz. (0.19-0.25 lb a.i.) Aquesta 4 F per acre         • For Fine Textured Soils         • Less than 1.5% 0.0M, apply 8.0 - 10.1 fl. oz. (0.25-0.316 lb a.i.) Aquesta 4 F per acre         • For Fine Textured Soils         • Less than 1.5% 0.0M, apply 8.0 fl. oz. (0.25 lb a.i.) Aquesta 4 F per acre         • For Fine Textured Soils         • Less than 1.5% 0.M, apply 10.1 fl. oz. (0.316 lb a.i.) Aquesta 4 F per acre         • Greater than 3.0% 0.M, apply 12.0 fl. oz. (0.375 lb a.i.) Aquesta 4 F per acre         00 • Organic Matter         Consult preceding information regarding Coarse, Medium or Fine soil categories. Use rate is inversely dependent on soil pH - use higher Aquesta 4 F rates with higher soil pH rates (greater than 7.0).         Application Instructions:         Amount of Aquesta 4 F indicated above can be broadcast applied to the soil surface preplant incorporated, in a minimum of 10 gallons of finished product per acre, from 14 days to 12 hours before transplanting tobacco.	<ul> <li>Important <ul> <li>Adverse or poor growing conditions (disease, cold weather, unfavorable pH soils, excessive moisture or drought, poor agronomic practices or other unfavorable conditions) can cause undesirable crop response in tobacco transplants, particularly if they are weakened and are in conditions of compacted or saturated soil or poor drainage. Normal growing conditions will lessen and diminish these effects.</li> <li>If transplants are set too shallowly, if heavy rainfall occurs after transplant, temporary stunting of transplants can occur.</li> <li>Observe responsible transplanting practices to avoid exposure (i.e., washing or crusting over) of transplants to treated soil. Necrosis (typically localized and inconsequential) can be caused If treated soil is splashed onto tobacco leaves.</li> <li>Read and follow all precautions, instructions, rotational crop guidelines, replanting instructions, and any other information on this label prior to use</li> <li>The pre-harvest interval is 14 days.</li> <li>Consult with university or extension weed management specialists for information on using Aquesta 4 F with specific local varieties or cultivars of tobacco, and for agronomic recommendations for local conditions and specific tobacco varieties.</li> <li>Do not apply Aquesta 4 F to shade grown tobacco, tobacco seedling beds or tobacco in greenhouses.</li> <li>To avoid unacceptable injury, do not apply Aquesta 4 F post transplant</li> <li>Do not use on soils that contain less than 1 % organic matter (soils classified as 'sand')</li> <li>Mix thoroughly and uniformly and do not incorporate product deeper than the maximum incorporation depth of 2 inches to avoid inconsistent weed control or Concentrating Aquesta 4 F into the soil (which can result in crop injury). Additionally, do not perform other tillage practices that could concentrate Aquesta 4 F into the soil</li> </ul></li></ul>
TOMATO (Transplanted only)         To control susceptible weeds, Aquesta 4 F can be applied to tomato (transplanted only) at the following times:         Preemergence, prior to transplant.         When applied as indicated on this label, the following weeds in cabbage will be controlled with Aquesta 4 F:         Lambsquarters, common       Morningglory, ivyleaf       Nutsedge, yellow         Pigweed, redroot       Waterhemp (common, tall)         See Listed Weed Species section of this label for information on additional weeds         Application Rates         For Coarse Textured Soils         • Less than 1.5% 0M, apply 2.05 - 3.0 fl. oz. (0.097-0.095 lb a.i.) Aquesta 4 F per acre         • 1.5% to 3.0% 0M, apply 3.0 - 6.0 fl. oz. (0.095-0.19 lb a.i.) Aquesta 4 F per acre         For Medium Textured Soils         • Less than 1.5% 0M, apply 3.0 - 4.5 fl. oz. (0.095-0.14 lb a.i.) Aquesta 4 F per acre         For Medium Textured Soils         • Less than 1.5% 0M, apply 5.0 fl. oz. (0.095-0.14 lb a.i.) Aquesta 4 F per acre         • Greater than 3.0% 0M, apply 8.0 fl. oz. (0.095-0.19 lb a.i.) Aquesta 4 F per acre         • I.5% to 3.0% 0M, apply 3.0 - 6.0 fl. oz. (0.095-0.19 lb a.i.) Aquesta 4 F per acre         • Greater than 3.0% 0M, apply 8.0 fl. oz. (0.19-0.25 lb a.i.) Aquesta 4 F per acre         • Greater than 3.0% 0M, apply 8.0 fl. oz. (0.19-0.25 lb a.i.) Aquesta 4 F per acre         • I.5% to 3.0% 0M, apply 8.0 fl. oz. (0.19-0.25 lb a.i.) Aquesta 4 F per	<ul> <li>Important</li> <li>Read and follow all precautions, instructions, rotational crop guidelines, replanting instructions, and any other information on this label prior to use</li> <li>Consult with university or extension weed management specialists for information on using Aquesta 4 F with specific local varieties or cultivars of tomato</li> <li>Do not apply more than 0.375 lbs sulfentrazone (12.0 fl. oz. product) per acre per 12 month period. The 12 month period starts at the point of first application (including preplant fall application)</li> <li>Do not use on soils that contain less than 1% organic matter (soils classified as 'sand')</li> </ul>



# TREE NUTS (Crop Group 14)

(Almond*, beech nut*, Brazil nut*, butternut*, cashew*, chestnut*, chinquapin*, filbert (hazelnut)*, hickory nut*, macadamia nut (b	ush nut)*, pecan*, pistachio, walnut (black, English))	
To control susceptible weeds, apply Aquesta 4 F when no weeds are present or in a tank mix with a postemergence herbicide for control of emerged weeds. growing season and are healthy and vigorous.	Make applications to crops that have been established for one full	
See Listed Weed Species section of this label for information on controlled weeds.		
*Not for Use in California		
Application Rates and Instructions:	Important:	
Apply with ground application equipment only.	• Read and follow all precautions, instructions, rotational crop	
• Apply when soil is moist and application will be followed by ½" rainfall or irrigation within two weeks after application. Time applications to take advantage	guidelines, replanting instructions, and any other information on this	
of normal rainfall and cool temperatures, especially if using drip or micro sprinkler irrigation which may not provide uniform incorporation into the soil.	label prior to use.	
• Apply amount of Aquesta 4 F indicated below under "Broadcast applications" to orchard and vineyard floors, to berry beds, and furrows as a single uniform	· Consult with university or extension weed management specialists	
broadcast soil application or as a uniform band application directed to the base of the tree trunk in trees and vines and to the base of the berry and beds	for information on using Aquesta 4 F with specific local varieties or	

cultivars of tree nuts.

Do not make aerial applications.

to avoid contact with foliage and fruit.

Pre-harvest interval (PHI) is 3 days.

Do not apply more than 12.0 fl. oz. product per acre (0.375 lb. Al/A) per year (12-month period from when **Aquesta 4 F** is first applied).

Do not apply after petal fall unless using a hooded or shielded sprayer

Do not apply when heavy crop trash is present (leaves/branches/weed

residue). Clean the area to be treated prior to applying Aquesta 4 F.

Do not apply to powdery soils or soils where windy conditions may displace soil unless soil can be irrigated immediately after treatment.

If banded treatments are made, wait a minimum of 60 days between applications. Do not exceed the seasonal maximum use rate.

Do not apply Aquesta 4 F to green tissue, crop foliage, or fruit.

- broadcast soil application or as a uniform band application directed to the base of the tree trunk in trees and vines and to the base of the berry and beds in berries.
  Apply in a minimum of 10 gallons of spray solution per acre. The spray solution pH should be 5.0-9.0 and nozzles must meet manufacturer's spray volume
- and pressure specifications for pre-emergence and post-emergence herbicide applications.
- Wrap the trunks of green bark, young vines, and trees with a non-porous wrap, grow tubes, or wax containers to avoid Aquesta 4 F contact with green tissues.
- Broadcast applications: Make a single application of 4.0-12.0 fl. oz. (0.125-0.375 lb a.i.) per acre.
- Banded applications: Refer to the following chart for the appropriate rate and volume of Aquesta 4 F to be applied. Aquesta 4 F can be applied twice in one year. For band treatments, apply the broadcast rate and volume per acre. To determine these:

Band rate = Band Width (ft.) Row Within Feet X Broadcast Rate/Acre

Band volume = <u>Band Width</u> Feet X Broadcast Volume/Acre

## Control/Suppression of Sedge/Nutsedge:

- Make a post-emergence application of **Aquesta 4 F** at 12 fl. oz, per acre.
- Use 25% volume/volume non-ionic surfactant (NIS).
- · Post-emergence applications may be most effective since Aquesta 4 F is absorbed into the plant through the foliage and roots
- Pre-emergence applications of Aquesta 4 F will suppress sedges, but will not provide complete control.
- For optimal control of purple nutsedge, make split applications of Aquesta 4 F. Make an initial application of 4.0-6.0 fl. oz. per acre followed by a 2<sup>nd</sup> application to actively growing purple nutsedge. Do not exceed the maximum application rate of 12.0 fl. oz. per acre per year. Option control may not occur until the 2<sup>nd</sup> year after the initial application of Aquesta 4 F.
   Tank Mixes: Aquesta 4 F can be split applied or mixed with burndown herbicides or residual soil herbicides labeled for use on tree nuts to control emerged

Tank Mixes: Aquesta 4 F can be split applied or mixed with burndown herbicides or residual soil herbicides labeled for use on tree nuts to control emerged weeds or broaden the herbicide control spectrum. Read and follow the label of each tank mix product used for precautionary statements, directions for use, rates and timings, and other restrictions. Do not tank mix with products containing flumioxazin or sulfentrazone.

Replanting in New or Established Orchards and Vineyards: Wait at least 30 days after applying Aquesta 4 F before replanting trees and vines in newly planted and established orchards and vineyards. Use untreated soil when replanting trees and vines.

TURNIPS\* To control susceptible weeds, Aquesta 4 F can be applied to turnips post-emergent. When applied as indicated on this label, the following weeds in turnips will be controlled with Aquesta 4 F: Gallinsoga, hairy Pigweed, redroot Waterhemp, tall Lambsquaters, common Waterhemp, common See Listed Weed Species section of this label for information on additional weeds. \*Not for Use in California Application Rates and Instructions: Important: • Apply 8.0 fl. oz. (0.25 lb a.i.) per acre. · Read and follow all precautions, instructions, rotational crop guidelines, • Make one post-emergent application 40-60 days before harvest. replanting instructions, and any other information on this label prior to use. Do not apply more than 8.0 fl. oz. (0.25 lb a.i.) product per acre per year • Apply in 10-40 gallons of water per acre. (12-month period from when **Aquesta 4 F** is first applied). Do not apply more than one application per acre of Aquesta 4 F in a 12-month nerind • Do not use on soils classified as "sand" (with <1% organic matter).

# **STORAGE AND DISPOSAL**

Do not contaminate water, food or feed by storage or disposal. Do not use or store around the home. **PESTICIDE STORAGE:** Store product in original container only, away from other pesticides, fertilizer,

food or feed. Store in a cool, dry place and avoid excess heat.

PESTICIDE DISPOSAL: Waste resulting from the use of this product may be disposed of at an approved waste disposal facility.

CONTAINER HANDLING: Nonrefillable container. Do not reuse or refill this container.

Triple rinse container (or equivalent) promptly after emptying.

For containers  $\leq$  5 gallons Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drop for 10 seconds after the flow begins to drip. Fill the container 1/4 full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures approved by State and local authorities.

For containers > 5 gallons 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 or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures approved by State and local authorities.



#### Steps to be taken in case material is released or spilled:

In case of release or spill, isolate area and keep unprotected persons or animals away from area. Dike and contain the spill with inert material (sand, earth, cat litter or commercial clay, etc.) and transfer liquid and solid diking material to separate containers for disposal. Remove contaminated clothing and was affected skin areas with soap and water. Wash clothing before re-use. Keep the spill out of all sewers and open bodies of water.

# LIMITATION OF WARRANTY AND LIABILITY

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

**CONDITIONS:** The directions for use of this product are believed to be adequate and must be followed carefully. However, it is impossible to eliminate all risks associated with the use of this product. Ineffectiveness, injury, and other unintended consequences may result because of such factors as manner of use or application (including misuse), the presence of other materials, weather conditions, and other unknown factors, all of which are beyond the control of Atticus, LLC. All such risks shall be assumed by the user or buyer.

DISCLAIMER OF WARRANTIES: To the extent consistent with applicable law, Atticus, LLC makes no other warranties, express or implied, of merchantability or of fitness for a particular purpose or otherwise, that extend beyond statements on this label.

LIMITATIONS OF LIABILITY: To the extent consistent with applicable law, neither Atticus, LLC, the manufacturer, nor the Seller shall be liable for any indirect, special, incidental or consequential damages resulting from the use, handling, application, storage, or disposal of this product. To the extent consistent with applicable law, the exclusive remedy of the user or buyer for any and all losses, injuries or damages resulting from the use, handling, application, or storage of this product, whether in contract, warranty, tort, negligence, strict liability or otherwise, shall not exceed the purchase price paid.

#### Aquesta<sup>™</sup> is a registered trademark of Atticus, LLC

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