



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

EPA Reg. Number:

54555-5

Date of Issuance:

5/23/23

NOTICE OF PESTICIDE:

Registration  
 Reregistration  
(under FIFRA, as amended)

Term of Issuance:

Conditional

Name of Pesticide Product:

SITOFEX Plant Growth Regulator

Name and Address of Registrant (include ZIP Code):

Ron Miller  
Regulatory Project Management, LLC  
2856 Girard Drive  
Sumter, SC 29154

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

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

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

This product is conditionally registered in accordance with FIFRA section 3(c)(7)(A). You must comply with the following conditions:

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

*Continues page 2*

Signature of Approving Official:

Kristy Crews, Ph.D., Product Manager 22  
Fungicide Branch, Registration Division (7505T)

Date:

5/23/23

2. You are required to comply with the data requirements described in the generic data call-in (GDCI) order identified below:
  - a. Forchlorfenuron GDCI-128819-1548

You must comply with all of the data requirements within the established deadlines. If you have questions about the GDCI listed above, you may contact the Chemical Review Manager in the Pesticide Re-Evaluation Division: <http://iaspub.epa.gov/apex/pesticides/f?p=chemicalsearch:1>

3. Make the following label changes before you release the product for shipment:
  - Revise the EPA Registration Number to read, “EPA Reg. No. 54555-5.”
4. Submit one copy of the final printed label for the record before you release the product for shipment.

Should you wish to add/retain a reference to the company’s website on your label, then please be aware that the website becomes labeling under FIFRA and is subject to review by the Agency. If the website is false or misleading, the product would be misbranded and unlawful to sell or distribute under FIFRA section 12(a)(1)(E). 40 CFR 156.10(a)(5) lists examples of statements EPA may consider false or misleading. In addition, regardless of whether a website is referenced on your product’s label, claims made on the website may not substantially differ from those claims approved through the registration process. Therefore, should the Agency find or if it is brought to our attention that a website contains false or misleading statements or claims substantially differing from the EPA approved registration, the website will be referred to the EPA’s Office of Enforcement and Compliance. If you fail to satisfy these data requirements, EPA will consider appropriate regulatory action including, among other things, cancellation under FIFRA section 6(e). Your release for shipment of the product constitutes acceptance of these conditions. A stamped copy of the label is enclosed for your records.

The record for this product currently contains the following CSF:

- Basic CSF dated 05/22/2023

If you have any questions, please contact Kristy Crews by phone at (202) 566-1813, or via email at Crews.Kristy@epa.gov; or Craig Reeves by phone at (202) 566-2869, or via email at Reeves.Craig@epa.gov.

Enclosure- Stamped “Accepted” Label

**ACCEPTED**

05/23/2023

Under the Federal Insecticide, Fungicide  
and Rodenticide Act as amended, for the  
pesticide registered under  
EPA Reg. No. 54555-5

**SITOFEX™**  
Plant Growth Regulator

Active Ingredient	By Wt.
Forchlorfenuron.....	00.80%
Other Ingredients.....	99.20%
Total.....	100.00%

**KEEP OUT OF REACH OF CHILDREN**  
**CAUTION**

FIRST AID	
<b>If in eyes:</b>	<ul style="list-style-type: none"><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>
<b>If swallowed:</b>	<ul style="list-style-type: none"><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.</li><li>• <b>DO NOT</b> induce vomiting unless told to do so by a poison control center or doctor.</li><li>• <b>DO NOT</b> give anything by mouth to an unconscious person.</li></ul>
<b>If on skin or clothing:</b>	<ul style="list-style-type: none"><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>

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. For emergency information concerning this product, call the National Pesticides Information Center (NPIC) at 1-800-858-7378 from 9:00AM to 12:00PM, Pacific Time, Monday to Friday or your poison control center at 1-800-222-1222. For Chemical Emergency Assistance (Spill, Leak, Fire, or Accident), call CHEMTREC at 1-800-424-9300.

[See inside booklet for [First Aid,] [additional] [Precautionary Statements] [and] [complete] Directions for Use and Storage and Disposal instructions.]

EPA Reg. No. 54555-L

EPA Est. Nos. 54555-DEU-001  
87431-MO-001

Manufactured by:  
Alzchem Trostberg, GmbH  
Dr.-Albert-Frank-Str. 32  
83308 Trostberg  
Germany

NET CONTENTS:

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

**CAUTION** - Causes moderate eye irritation. Harmful if absorbed through skin or swallowed. Avoid contact with eyes, skin or clothing. Wear long sleeved shirt, long pants, shoes plus socks, chemical resistant gloves, and goggles, safety shield or glasses. Remove and wash contaminated clothing before reuse. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet.

### **Personal Protective Equipment (PPE)**

Applicators and other handles must wear:

- Long-sleeved shirt and long pants.
- Chemical-resistant gloves, such as barrier laminate  $\geq$  14 mil, butyl rubber  $\geq$  14 mils, nitrile rubber  $\geq$  14 mils, neoprene rubber  $\geq$  14 mils, polyvinyl chloride (PVC)  $\geq$  14 mils, or Viton  $\geq$  14 mils.
- Shoes plus socks
- Protective eyewear, such as goggles, safety shield, or safety glasses.

### **User Safety Requirements**

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

## **ENVIRONMENTAL HAZARDS**

**DO NOT** apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high-water mark. **DO NOT** contaminate water when cleaning equipment or disposing of equipment washwater or rinsate.

## **NON-TARGET ORGANISM ADVISORY**

This product may adversely impact the forage and habitat of non-target organisms, including pollinators, in areas adjacent to the treated site. Protect the forage and habitat of non-target organisms by following label directions intended to minimize spray drift.

### **Physical-Chemical Hazards**

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

## DIRECTIONS FOR USE

It is a violation of federal law to use this product in a manner inconsistent with its labeling. **DO NOT** apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

## AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR 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). The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

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

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

- Long-sleeved shirt and long pants
- Chemical-resistant gloves, such as barrier laminate  $\geq$  14 mil, butyl rubber  $\geq$  14 mils, nitrile rubber  $\geq$  14 mils, neoprene rubber  $\geq$  14 mils, polyvinyl chloride (PVC)  $\geq$  14 mils, or Viton  $\geq$  14 mils.
- Shoes plus socks
- Protective eyewear, such as goggles, safety shield, or safety glasses.

## PRODUCT INFORMATION

**IMPORTANT:** Before application, read all use directions thoroughly. Use **SITOFEX™ Plant Growth Regulator** only as directed.

**SITOFEX™ Plant Growth Regulator** is an extremely potent plant growth regulator (PGR) that has been shown to improve the fruit size and fruit set of blueberries, grapes and kiwi. However, excessive rates of **SITOFEX™ Plant Growth Regulator** can result in undesirable results. For specific effects and benefits, see the **Use Directions by Crop** section.

- Product efficacy requires thorough coverage of the flowers and/or fruit. Uniform spray coverage is essential to achieve the desired results.

- For best results, apply **SITOFEX™ Plant Growth Regulator** under slow drying conditions, e.g., early in the morning, late in the afternoon, or at night, in order to ensure adequate uptake.
- For best results, the water pH should be close to neutral, and always below 8.5.
- For best performance, use a silicone type non-ionic surfactant not to exceed 0.1% by volume (v/v). Be sure to follow surfactant label directions.

#### **Use Restrictions:**

- **DO NOT** apply **SITOFEX™ Plant Growth Regulator** to plants under stress. If plants under stress are treated, the effect may be reduced.
- **DO NOT** use overhead irrigation until sprays of **SITOFEX™ Plant Growth Regulator** have dried completely.
- **DO NOT** apply **SITOFEX™ Plant Growth Regulator** if rain is expected before sprays have dried completely.
- **DO NOT** apply this product through any type of irrigation system or by aerial application, unless otherwise stated in the Directions for Use.
- **Tank Mixing:** Except when specifically noted in the Use Directions by Crop section, **DO NOT** combine **SITOFEX™ Plant Growth Regulator** in tank mixes with other pesticides, adjuvants, or fertilizers unless prior experience has shown the combination physically compatible, effective and non-injurious under conditions of use. If tank mixing is used, a jar test is suggested to test for physical compatibility and prevent crop injury. Follow the most restrictive labeling limitations and precautions of all products used in tank mixtures.
- **Spray Methods:** Use only dilute sprays. Use kicker nozzles directed onto fruit from beneath the canopy on row and airblast sprayers. **DO NOT** apply by ultra-low volume (ULV) or concentrate methods.
- **DO NOT** treat fruit by dipping. Use of the dip method for applying **SITOFEX™ Plant Growth Regulator** may result in residues exceeding tolerance restrictions.

### **SPRAY DRIFT ADVISORIES**

A variety of factors including weather conditions (e.g., wind direction, wind speed, temperature, relative humidity) and method of application (e.g., ground, aerial) can influence pesticide drift. The applicator must evaluate all factors and make appropriate adjustments when applying this product.

## **MANDATORY SPRAY DRIFT MANAGEMENT**

### **Aerial Applications:**

- **DO NOT** release spray at a height greater than 10 feet above the vegetative canopy unless a greater application height is necessary for pilot safety.
- The boom length must not exceed 65% of the wingspan for airplanes or 75% of the rotor blade diameter for helicopters.
- Applicators must use ½ 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.
- **DO NOT** apply when wind speeds 10 miles per hour at the application site.
- **DO NOT** apply during temperature inversions.

### **Ground Boom Applications:**

- Apply with the nozzle height recommended by the manufacturer, but no more than 3 ft. above the ground or crop canopy.
- For all other applications, applicators are required to use a medium or coarser droplet size (ASABE S572.1).
- **DO NOT** apply when wind speeds 10 miles per hour at the application site.
- **DO NOT** apply during temperature inversions.

### **Airblast Application:**

- Direct spray into the crop canopy.
- Turn off outward pointing nozzles at row ends and when spraying outer rows.

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 aurally 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.

## **DIRECTIONS FOR USE BY CROP**

### **BERRY and SMALL FRUIT CROP GROUP**

#### **Blueberries and Bushberries**

An application of **SITOFEX™ Plant Growth Regulator** following the label directions will increase berry size. Research has shown this response in highbush blueberries grown in California and Rabbiteye Blueberries grown in the southeastern United States. The desired crop response is dependent on spray application timing in relation to the plant's physiological growth stage.



Vigorous plants with capacity to support increased crop load have responded best to **SITOFEX™ Plant Growth Regulator** applications. Harvest may be delayed if **SITOFEX™ Plant Growth Regulator** is used due to the longer time period for the larger treated berries to mature.

**Application Instructions:**

Crop response to this product depends upon accurate, thorough application. Apply with ground sprayer only. It is important to wet all berries thoroughly. Apply enough spray volume to achieve thorough coverage and avoid spraying to runoff. For optimal response, base application timing on flower development. See **Table 1** for crop-specific rates and instructions.

**Table 1: Use Directions for Blueberries and Bushberries**

Crop/Variety	Application Rate per Acre	Application Rate per 100 Gallons of Spray Mix	Spray Volume (GPA)	Crop Specific Instructions
Highbush Blueberries grown in California <sup>1</sup>	12 fl. oz. (0.0066 lbs. a.i.)	12 fl. oz. (0.0066 lbs. a.i.)	100	To Increase berry size, make one application 14 to 21 days after 50% open bloom and ensure that berries are thoroughly covered by spray. <b>DO NOT</b> make more than one application per year. <b>DO NOT</b> exceed the maximum rate of 12 fl. oz. (0.0066 lbs. a.i.) per acre.
Blueberries grown outside of California <sup>2,3</sup>	8 fl. oz. (0.0044 lbs. a.i.)	8 fl. oz. (0.0044 lbs. a.i.)	100	For improved fruit set and increased berry size, make one to two applications. Make the first application during bloom when 80% of the flowers have opened. If needed, make a second application at least 14 days after the first application, but no later than 21 days after petal fall.
	16 - 40 fl. oz. (0.009 – 0.022 lbs. a.i.)	16 fl. oz. (0.009 lbs. a.i.)	100 - 250	To delay fruit maturity for broader harvest time, make one application during bloom when 80% of the flowers have opened.

Crop/Variety	Application Rate per Acre	Application Rate per 100 Gallons of Spray Mix	Spray Volume (GPA)	Crop Specific Instructions
Bushberries <sup>2</sup> (Black Currant, Red Currant, Elderberry, Gooseberry and Lingonberry)	8 fl. oz. (0.0044 lbs. a.i.)	8 fl. oz. (0.0044 lbs. a.i.)	100	For improved fruit set and increased berry size, make one to two applications. Make the first application during bloom and the second application at least 14 days later, but not later than 21 days after petal fall. <b>DO NOT</b> exceed the maximum rate of 16 fl. oz. (0.009 lbs. a.i.) per acre per year.

**NOTES:**

<sup>1</sup> **DO NOT** use on Duke and Reka varieties in California.

<sup>2</sup> All varieties have not been fully tested. If less widely planted varieties are to be treated, smaller treatments are suggested until grower experience with variety is obtained. If additional information is needed, check with your local extension agent.

<sup>3</sup> **DO NOT** exceed the maximum rate of 40 fl. oz. (0.022 lbs. a.i.) of this product per acre per year for any crop (field or block) of blueberries or bushberries.

**Grapes**

An application of **SITOFEX™ Plant Growth Regulator** following the label directions has been shown to increase berry set or berry size, depending upon time of application.

**SITOFEX™ Plant Growth Regulator** treatment may delay grape maturity by slowing Brix and soluble solids accumulation. Color development may be delayed in colored varieties.

For seedless or seeded grapes for fresh market, increased berry size improves cluster weight, total yield and pack out. **SITOFEX™ Plant Growth Regulator** may improve fruit quality in cold storage.

For grapes grown for raisins, an application of **SITOFEX™ Plant Growth Regulator** may improve the drying ratio by increasing soluble solids (sugar) accumulation.

**Application Instructions:**

Thorough coverage of the clusters is critical to achieve the desired response. Apply enough spray volume to achieve thorough coverage and avoid spraying to runoff.

Use lower concentrations to increase berry set. Use higher concentrations for a greater response in berry size and maturity (harvest) delay. See Table 2 for specified rates based on the desired results.

Preliminary field trials have shown that harvest delay following **SITOFEX™ Plant Growth Regulator** applications does not always occur and may be dependent upon weather conditions as well as product rates (both **SITOFEX™ Plant Growth Regulator** and Gibberellic acid). Due to an additive effect with Gibberellic acid, berry size can be further increased when combined in a tank mix solution with Gibberellic acid using 20 to 40 ppm Gibberellic acid. The rates in **Table 2** are for **SITOFEX™ Plant Growth Regulator** alone.

**Use Restrictions:**

- **DO NOT** exceed the maximum rate of 40 fl. oz. (0.022 lbs. a.i.) of this product per acre.
- **DO NOT** apply the maximum rate of 40 fl. oz. (0.022 lbs. a.i.) of this product in less than 250 GPA.
- **DO NOT** make more than one application per year.

**Table 2: Use Directions for Grapes**

<b>Desired Crop Response</b>	<b>Application Rate per Acre</b>	<b>Application Rate per 100 Gallons of Spray Mix</b>	<b>Spray Volume (GPA)</b>
Intermediate size increase with minimum maturity delay	8 - 32 fl. oz. (0.0044 – 0.018 lbs. a.i.)	8 fl. oz. (0.0044 lbs. a.i.)	100 - 400
Intermediate size increase with intermediate maturity delay	12 - 36 fl. oz. (0.0066 – 0.02 lbs. a.i.)	12 fl. oz. (0.0066 lbs. a.i.)	100 - 300
Maximum size increase and maturity delay	16 – 40 fl. oz. (0.009 – 0.022 lbs. a.i.)	16 fl. oz. (0.009 lbs. a.i.)	100 - 250

**Application Timing for Seedless/Seeded Grapes for Fresh Market:**

Make one application per year when berries have reached the listed size, based on the average berry diameter in millimeters (mm). See **Table 3** to determine the suggested berry size based on the grape variety.

**Table 3: Berry Diameter for Application**

<b>Grape Variety</b>	<b>Average Berry Diameter (mm)</b>
Thompson Seedless	6 - 10
Flame Seedless	8 - 14
Perlette	6 - 8
Ruby Seedless	9 - 12
Red Globe	14 - 20
Emperor	12 - 14
Other Seedless Varieties (Crimson, Fantasy, Black Beauty) <sup>1</sup>	10 - 14
Other Seeded Varieties <sup>1</sup>	12 - 16

**NOTES:**

<sup>1</sup> All varieties have not been fully tested. If less widely planted varieties are to be treated, smaller treatments are suggested until grower experience with variety is obtained. If additional information is needed, check with your local extension agent.

Make sure that the latest developing marketable clusters have completed shatter and final berry set by the time the application is made. Applications to flowering clusters will cause excessive fruit set and may overcome Gibberellic acid berry thinning effects. To maximize berry size, use the highest rate of **SITOFEX™ Plant Growth Regulator** in combination with Gibberellic acid (See the Gibberellic acid label for rates.). Preliminary field testing has

indicated that **SITOFEX™ Plant Growth Regulator** and Gibberellic acid tank mixes applied at the time of the second Gibberellic acid "sizing" spray will result in optimum berry sizing for common varieties such as Thompson Seedless. However, a combined spray application of **SITOFEX™ Plant Growth Regulator** and Gibberellic acid may delay maturity more than either product alone, particularly when highest label rates of Gibberellic acid are used.

**Application Timing for Seeded Grapes for Wine:**

To increase berry set, make one application during bloom. To increase berry size, make one application 14 to 21 days after the completion of berry shatter. The timing may vary by variety. All varieties have not been fully tested.

**Application Timing for Grapes for Raisins:**

To increase berry set, make one application at bloom. To increase berry size, make a single application when the berry diameter averages 8 to 10 millimeters. All varieties have not been fully tested. Most seedless raisin varieties will respond when treated using the rates and timings described above. Use lower rates to minimize size enhancement and maturity delay.

**Kiwifruit**

An application of **SITOFEX™ Plant Growth Regulator** following the label directions will result in increased fruit size.

**Application Instructions:**

Make one application of **SITOFEX™ Plant Growth Regulator** per year. Make sure that fruit are thoroughly covered to achieve desired results. Apply enough spray volume to achieve thorough coverage and avoid spraying to runoff. **See Table 4** for specified rates based on the desired results.

Make the single application when the berry length averages 30 to 45 mm. Fruit will generally be in this range at 2 to 3 weeks following bloom.

**Use Restrictions:**

- **DO NOT** exceed the maximum rate of 32 fl. oz. (0.018 lbs. a.i.) of this product per acre per year.
- **DO NOT** apply the maximum rate of 32 fl. oz. (0.018 lbs. a.i.) of this product in less than 200 GPA.
- **DO NOT** make more than one application per year.

**Table 4: Use Directions for Kiwifruit**

<b>Desired Crop Response</b>	<b>Application Rate per Acre</b>	<b>Application Rate per 100 Gallons of Spray Mix</b>	<b>Spray Volume (GPA)</b>
Intermediate size increase	8 - 16 fl. oz. (0.0044 – 0.009 lbs. a.i.)	8 fl. oz. (0.0044 lbs. a.i.)	100 - 200
Maximum size increase	24 - 32 fl. oz. (0.0132 – 0.018 lbs. a.i.)	16 fl. oz. (0.009 lbs. a.i.)	150 - 200

## TREE FRUIT

An application of **SITOFEX™ Plant Growth Regulator** following the label directions will result in increased fruit size or yield as indicated in the crop specific instructions.

### **Application Instructions:**

Make one application of **SITOFEX™ Plant Growth Regulator** per year. Make sure that fruit are thoroughly covered to achieve desired results. Apply enough spray volume to achieve thorough coverage and avoid spraying to runoff. Use higher spray volumes for larger or dense foliage trees. See **Table 5** for crop-specific rates and instructions.

### **Use Restrictions:**

- **DO NOT** make more than one application per year.
- **DO NOT** exceed the maximum rate of 40 fl. oz. (0.022 lbs. a.i.) of this product per acre per year.
- **DO NOT** apply the maximum rate of 40 fl. oz. (0.022 lbs. a.i.) of this product in less than 250 GPA.

**Table 5: Use Directions for Tree Fruit**

<b>Crop</b>	<b>Application Rate per Acre</b>	<b>Application Rate per 100 Gallons of Spray Mix</b>	<b>Spray Volume (GPA)</b>	<b>Crop Specific Instructions</b>
Cherries (Sweet)	16 - 32 fl. oz. (0.009 – 0.018 lbs. a.i.)	16 fl. oz. (0.009 lbs. a.i.)	100 - 200	Use lower rate for intermediate fruit size increase. Use higher rate for maximum fruit size increase. Make one early application at bloom, at shuck split, or a later application at straw color to color break to increase fruit diameter. To promote increased resistance to splitting from rain, make application at color break. <b>DO NOT</b> harvest fruit for 7 days after application.
	24 - 40 fl. oz. (0.0132 – 0.022 lbs. a.i.)	24 fl. oz. (0.0132 lbs. a.i.)	100 - 167	
Figs	16 - 40 fl. oz. (0.009 – 0.022 lbs. a.i.)	16 fl. oz. (0.009 lbs. a.i.)	100 - 250	Make one application when the average fig diameter is 12 to 15 mm to increase the size of the Breba crop of the Mission variety figs. Maximize promotion of budbreak uniformity to maximize the number of figs that will be influenced with the single application.

<b>Crop</b>	<b>Application Rate per Acre</b>	<b>Application Rate per 100 Gallons of Spray Mix</b>	<b>Spray Volume (GPA)</b>	<b>Crop Specific Instructions</b>
Pears	16 - 40 fl. oz. (0.0132 – 0.022 lbs. a.i.)	16 fl. oz. (0.009 lbs. a.i.)	100 - 250	Make one application at 15 to 25 days post petal- fall to promote increased fruit size and increase yield per acre. Increased solids will usually result from increased cell division early in the fruit formation cycle. Make application later in cycle to increase fruit size and minimize elongated calyx end formation. To reduce possibility of undesirable fruit from increased calyx end growth, <b>do not</b> apply before 15 days post petal- fall or when there is uneven budbreak or budbreak spread over an extended period of time.
Plum/Prune	16 - 40 fl. oz. (0.0132 – 0.022 lbs. a.i.)	16 fl. oz. (0.009 lbs. a.i.)	100 - 250	Make one application during bloom to increase fruit set.

## **NUT CROPS**

### **Pistachios**

An application of **SITOFEX™ Plant Growth Regulator** following the label directions will result in increased fruit size or yield as indicated in the crop specific instructions.

#### **Application Instructions:**

Make one application of **SITOFEX™ Plant Growth Regulator** per year. Make sure that fruit are thoroughly covered to achieve desired results. Apply enough spray volume to achieve thorough coverage and avoid spraying to runoff. Use higher spray volumes for larger or dense foliage trees. See **Table 6** for crop-specific rates and instructions.

#### **Use Restrictions:**

- **DO NOT** make more than one application per year.
- **DO NOT** exceed the maximum rate of 32 fl. oz. (0.018 lbs. a.i.) of this product per acre per year.
- **DO NOT** apply the maximum rate of 32 fl. oz. (0.018 lbs. a.i.) of this product in less than 200 GPA.

**Table 6: Use Directions for Pistachios**

<b>Crop</b>	<b>Application Rate per Acre</b>	<b>Application Rate per 100 Gallons of Spray Mix</b>	<b>Spray Volume (GPA)</b>	<b>Crop Specific Instructions</b>
Pistachios	16 - 32 fl. oz. (0.009 - 0.018 lbs. a.i.)	16 fl. oz. (0.009 lbs. a.i.)	100 - 200	To increase nut weight, make one application at the beginning of kernel formation, when shells start to fill, or approximately 5 to 7 weeks after bloom.

**Almonds**

An application of **SITOFEX™ Plant Growth Regulator** following the label directions will result in increased fruit size or yield as indicated in the crop specific instructions.

**Application Instructions:**

Make one application of **SITOFEX™ Plant Growth Regulator** per year. Make sure that fruit are thoroughly covered to achieve desired results. Apply enough spray volume to achieve thorough coverage and avoid spraying to runoff. Use higher spray volumes for larger or dense foliage trees. See **Table 7** for crop-specific rates and instructions.

**Use Precautions:**

- Follow the Honey Bee Best Management Practices for California Almonds.
- For aerial applications, apply in late afternoon or evening when bees and pollen are not present.
- Avoid application before 80% petal fall.

**Use Restrictions:**

- **DO NOT** make more than one application per year.
- **DO NOT** exceed the maximum rate of 32 fl. oz. (0.018 lbs. a.i.) of this product per acre per year.
- **DO NOT** apply the maximum rate of 32 fl. oz. (0.018 lbs. a.i.) of this product in less than 200 GPA by ground.

**Table 7: Use Directions for Almonds**

For ground applications

<b>Crop</b>	<b>Application Rate per Acre</b>	<b>Application Rate per 100 Gallons of Spray Mix</b>	<b>Spray Volume (GPA)</b>	<b>Crop Specific Instructions</b>
Almonds	16 - 32 fl. oz. (0.009 - 0.018 lbs. a.i.)	16 fl. oz. (0.009 lbs. a.i.)	100 - 200	Make one application from 80% petal fall to the time when nutlet length averages 4 to 6 mm to promote increased fruit retention and increase yield.

### For aerial applications

Crop	Application Rate per Acre	Spray Volume (GPA)	Crop Specific Instructions
Almonds	16 - 32 fl. oz. ( (0.009 - 0.018 lbs. a.i.)	10 - 25	Make one application from 80% petal fall to the time when nutlet length averages 4 to 6 mm to promote increased fruit retention and increase yield.

### STORAGE AND DISPOSAL

**DO NOT** contaminate water, food, or feed by storage or disposal. Keep pesticide in original container.

**PESTICIDE STORAGE:** Always store pesticides in the original container, in a cool, dry secure area out of the reach of children and animals.

**PESTICIDE DISPOSAL:** Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

**CONTAINER HANDLING:** Nonrefillable container. **DO NOT** reuse or refill this container. Offer for recycling, if available. Triple rinse container (or equivalent) promptly after equipment emptying. Triple rinse as follows: Empty the remaining contents into application or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container 1/4 full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times.

### IMPORTANT: READ BEFORE USE

Read the entire Directions for Use, Conditions of Warranties and Limitations of Liability before using this product. If terms are not acceptable, return the unopened product container at once.

By using this product, user or buyer accepts the following Conditions, 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. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or the manner of use or application, all of which are beyond the control of Alzchem Trostberg GmbH. All such risks shall be assumed by the user or buyer.

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