

2018-1173
2018-03-28

HARVISTA 1.3 SC

Plant Growth Regulator

Suspension

Protects apples from the various effects of ethylene

AGRICULTURAL

READ THE ENTIRE LABEL BEFORE USING

KEEP OUT OF REACH OF CHILDREN

GUARANTEE:

1-Methylcyclopropene.....1.3%

REG. NO. 32752 P.C.P ACT

CAUTION - EYE IRRITANT

NET CONTENTS:

L up to and including 2000L

AgroFresh Inc.

510-530 Walnut Street, Suite 1350
Philadelphia, Pennsylvania
USA 19106

1-866-206-1001

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DIRECTIONS FOR USE

As this product is not registered for the control of pests in aquatic systems, **DO NOT** use to control aquatic pests.

DO NOT contaminate irrigation or drinking water supplies or aquatic habitats by cleaning of equipment or disposal of wastes.

DO NOT apply by air.

READ THE ENTIRE LABEL BEFORE USING THIS PRODUCT

APPLICATION INSTRUCTIONS

HARVISTA 1.3 SC is packaged in plastic containers, such as pails or totes. While the package is opened, stand upwind from the container. **DO NOT ADD ANY WATER TO THE CONTAINER.**

Rate, time and mode of application: Refer to instructions in crop table.

Plant Safety: This product has been tested on numerous apple varieties with no phytotoxic effects. However, since this product has not been tested on all apple varieties, the manufacturer recommends testing on a small number of trees to check for adverse effects to the trees and fruit before adopting as a general field (orchard) practice.

Incompatibility: Do not use with products containing copper.

For treatment of APPLES

HARVISTA 1.3 SC may be applied with Xiameter OFX-0309 Fluid Silicone Surfactant added to the water.

Do NOT allow product to contact any COPPER.

CROP	Application Timing	RATE ¹	Restrictions
Apples	3-21 Days Before Anticipated Harvest (Fruit Ripening)	5.9 – 17.7 L/ha (100 – 300 g a.i./ha)	Do not apply more than 17.7 L/ha per crop. Allow a minimum of 3 days between treatment and harvest. Xiameter OFX-0309 Fluid Silicone Surfactant may be added to the water at 0.05% v/v

¹Within the rate range, use higher rates for fruit that are at a more advanced stage of maturity. Since Harvista 1.3 SC can impact or delay the onset and extent of red color development, lower rates within the rate range should be used on bicolored apple varieties.

APPLES: HARVISTA 1.3 SC delays fruit maturation, which allows for a delayed harvest period of 7 to 14 days. Depending on the cultivar, orchard conditions, and grower objectives, one or more of the following benefits may be provided by this delay: improved harvest management, reduction of preharvest fruit drop, reduced fruit ethylene production, additional time for color and size development, maintenance

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of fruit firmness, delayed starch hydrolysis, delayed onset and incidence of watercore, and enhanced storage potential.

Determine the number of hectares to be treated and load the appropriate amount of HARVISTA 1.3 SC into the injector nurse tank.

GROUND APPLICATION:

Apply the correct amount of HARVISTA 1.3 SC from the injector nurse tank. Optimum performance of Harvista 1.3 SC depends on adequate coverage of the spray and avoidance of spray run off. The amount of water to use in a Harvista 1.3 SC application is relative to tree architecture, spacing and tree row volume. In general, higher water volumes result in maximum performance provided that the selected spray volume does not result in spray run-off. Apply in a minimum of 50 L and a maximum of 600 L of water per hectare using an in-line injector system, 3-21 days before anticipated harvest. For best results, add Xiameter OFX-0309 Fluid Silicone Surfactant to the water in the main sprayer tank at 0.05% v/v. DO NOT apply when conditions favour drift from the target area. Flat-fan nozzles are preferred. Select nozzles and pressure combinations which deliver moderate (50-300um range) spray droplets.

Chemical Injector Systems:

In-line injector systems are specifically designed for use with liquid formulation. This equipment can improve spray efficiency, reduce chemical waste, and facilitate easier clean out. Be sure injector nurse tank is drained and free of all water. Set injector to deliver the recommended amount of HARVISTA 1.3 SC per hectare. Follow the manufacturer's recommendation for proper setting and calibration of the injector.

IMPORTANT CONSIDERATIONS FOR USE OF HARVISTA 1.3 SC

- Do not apply when temperatures exceed 35° C.
- Do not use overhead cooling or irrigation equipment for at least 1 hour following application.
- Do not apply if rain is expected within 1 hour of application.
- Combination effects and potential interactions between HARVISTA 1.3 SC and products containing naphthaleneacetic acid (NAA) or ethephon have not been thoroughly evaluated. Use of these products on crops previously treated with HARVISTA 1.3 SC may reduce the benefits provided by HARVISTA 1.3 SC at harvest or after storage.
- Do not apply in winds exceeding 16km/h.
- Do not allow products to contact any copper or mix with products containing copper.
- Due to potential effects of environmental conditions and apple variety on the performance of HARVISTA 1.3 SC, it is recommended that a small portion of the orchard or a few trees be trialed before use of HARVISTA 1.3 SC is adopted as a general field (orchard) practice.
- In some cases, tank mixing a pest control product with another pest control product or a fertilizer can result in biological effects that could include, but are not limited to: reduced product performance or increased host crop injury. The user should contact AgroFresh at 1-866-206-1001 or at www.agrofresh.com for information before mixing any pesticide or fertilizer that is not specifically recommended on this label. The user assumes the risk of losses that result from the use of tank mixes that do not appear on this label or that are not specifically recommended by AgroFresh Inc.

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- HARVISTA 1.3 SC has a 3 day preharvest interval (PHI) for apples

PRECAUTIONS

KEEP OUT OF REACH OF CHILDREN. CAUTION. May irritate eyes. Avoid contact with eyes. Harmful if inhaled. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse. Avoid breathing vapor.

Wear goggles or face shield, a long-sleeved shirt, long pants, shoes, and socks during loading, application, clean up and repair, or if early entry into a treated area that involves contact with anything that has been treated, such as plants, soil or water, is required.

Apply only when the potential for drift to areas of human habitation or areas of human activity such as houses, cottages, schools, and recreational areas is minimal. Take into consideration wind speed, wind direction, temperature inversions, application equipment, and sprayer settings.

Do not enter or allow workers entry into treated areas during the restricted entry interval (REI) of 4 hours.

Follow manufacturer's instructions for cleaning and maintaining PPE. If no such instructions exist for washables, 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. Users should remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. Users should remove PPE immediately after handling this product. As soon as possible, wash thoroughly and change into clean clothing.

FIRST AID

IF SWALLOWED: Call a poison control centre or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control centre or doctor. Do not give anything by mouth to an unconscious person.

IF ON SKIN OR CLOTHING: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control centre or doctor for treatment advice.

IF INHALED: Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. Call a poison control centre or doctor for further treatment advice.

IF IN EYES: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control centre or doctor for treatment advice.

Take the container label or product name and Pest Control Product Registration Number with you when seeking medical attention.

TOXICOLOGICAL INFORMATION

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Treat symptomatically.

ENVIRONMENTAL PRECAUTIONS

To reduce runoff from treated areas into aquatic habitats avoid application to areas with a moderate to steep slope, compacted soil, or clay.

Avoid application when heavy rain is forecast.

Contamination of aquatic areas as a result of runoff may be reduced by including a vegetative strip between the treated area and the edge of the water body.

STORAGE

Store in original packaging in a cool, dry place.

To prevent contamination store this product away from food or feed.

DISPOSAL

Recyclable Container Disposal: Do not reuse this container for any purpose. This is a recyclable container, and is to be disposed of at a container collection site. Contact your local distributor/dealer or municipality for the location of the nearest collection site.

Before taking the container to the collection site:

1. Triple- or pressure-rinse the empty container. Stand up wind. Dispose of rinsings appropriately.
2. Make the empty, rinsed container unusable for further use.

If there is no container collection site in your area, dispose of the container in accordance with provincial requirements.

Returnable container disposal: Do not reuse this container for any purpose. For disposal, this empty container may be returned to the point of purchase (distributor/dealer).

Refillable container disposal: For disposal, this empty container may be returned to the point of purchase (distributor/dealer). It must be refilled by the distributor/dealer with the same product.

Do not reuse this container for any other purpose.

Disposal of unused, unwanted product: For information on disposal of unused, unwanted product contact the manufacturer or the provincial regulatory agency. Contact the manufacturer and the provincial regulatory agency in case of a spill, and for clean-up of spills.

NOTICE TO USER

This pest control product is to be used only in accordance with the directions on the label. It is an offence under the *Pest Control Products Act* to use this product in a way that is inconsistent with

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the directions on the label. The user assumes the risk to persons or property that arises from any such use of this product.