AgroFresh

Easy Preparation · Simple Instructions

RipeLock™ Tabs 2.0

Protects harvested fruit from the various effects of ethylene.

ACTIVE INGREDIENT:
1-Methylcyclopropene..............2.0%
OTHER INGREDIENTS:..............98.0%
Total:........................................100.0%

KEEP OUT OF REACH OF CHILDREN
CAUTION
See Inside for First Aid Statement

EPA Reg. No. 71297-10
EPA Est. No. 66397-OK-001

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110057/20190066
QUICK GUIDE

1) Make sure the room/trailer/container can be properly sealed and has an internal fan. Prepare to close and seal doors.

2) Check labels to confirm that the number of RipeLock Tabs 2.0 in the tablet package and the size of the RipeLock Solution container correspond to the size of the room.

3) Wear long-sleeved shirt and long pants, shoes plus socks, chemical-resistant gloves, safety glasses or goggles.

4) Set the RipeLock Solution on a stable surface. Tear off the closure strips at the top of the pouch, and at the top of the RipeLock Tabs 2.0 package. Drop ALL the tablets from the package directly into the solution. Leave the area immediately. Be sure to complete all additions within 5 minutes.

5) Close and seal doors. Do not allow anyone to re-enter the storage room until the application is complete.

6) After the application period, open doors and vent the room for at least 15 minutes before allowing re-entry.

7) Remove the used RipeLock Solution and dispose of it and its contents either on site or at an approved waste-disposal facility.

8) Store treated fruit according to industry best practices.

See inside for additional precautionary statements.
Before using this product, read the entire Precautionary Statements, Conditions of Sale and Warranty, Directions for Use, Use Restrictions and Storage and Disposal Instructions. If the Conditions of Sale and Warranty are not acceptable, return the product and its components unopened and unused within thirty (30) days of purchase to the place of purchase.

### FIRST AID

| 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 center or doctor for treatment advice. |
| If on skin or clothing | • Take off contaminated clothing.  
|                     | • Rinse skin immediately with plenty of water for 15-20 minutes.  
|                     | • Call a poison control center or doctor for treatment advice. |
| If 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 center or doctor for treatment advice. |
| If swallowed        | • Call a poison control center or doctor immediately for treatment advice.  
|                     | • Have person sip a glass of water if able to swallow.  
|                     | • Do not induce vomiting unless told to do so by the poison control center or doctor.  
|                     | • Do not give anything by mouth to an unconscious person. |

#### POISON CONTROL CENTER

1-800-222-1222

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. For general information on product use, etc., call the National Pesticides Information Center at 1-800-858-7378. For emergencies, call the poison control center 1-800-222-1222.
HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION: Causes slight eye irritation. Harmful if absorbed through skin. Harmful if inhaled. Harmful if swallowed. Avoid contact with skin, eyes or clothing. Avoid breathing vapor. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet. Remove contaminated clothing and wash before reuse.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Applicators of this product must wear:
- Long-sleeved shirt and long pants
- Shoes plus socks
- Chemical-resistant gloves
- Safety glasses or goggles

Applicators and other handlers must 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.

Non-Agricultural Use Requirements

The requirements in this box apply to uses of this product that are not within the scope of the Worker Protection Standard for agricultural pesticides (40 CFR Part 170).

REI: Fifteen (15) minutes

Do not enter enclosed spaces until the enclosed space has been vented unless wearing the appropriate PPE. Ventilation shall continue until after fifteen (15) minutes of ventilation using fans or other mechanical ventilating systems.

PPE required for early entry into enclosed spaces prior to venting is:
- Long-sleeved shirt and long pants
- Chemical-resistant gloves made of any waterproof material
- Shoes plus socks
- A NIOSH approved respirator with an organic vapor cartridge with a combination N, R or P filter NIOSH approval prefix TC-84A; or a NIOSH approved gas mask with organic vapor canister NIOSH approval prefix TC-14G.
PRODUCT INFORMATION

RipeLock™ is a unique postharvest tool for counteracting many of the undesirable effects of both internal (produced within the plant) and external sources of ethylene on fruit. By counteracting ethylene, RipeLock provides many benefits to fruit during transport and storage including:

- Maintaining firmness
- Reducing internal ethylene production
- Protection from external sources of ethylene
- Reducing respiration
- Delaying ripening and senescence

RipeLock is used, prior to shipment or just prior to sale. RipeLock is effective under warm (above 55°F, 13°C) temperature conditions.

Harvested fruit must be exposed to the volatile active ingredient of RipeLock Tabs 2.0 in enclosed spaces, such as storage rooms, coolers, shipping containers, enclosed truck trailers, or ambient temperature, refrigerated, or controlled atmosphere food storage facilities. This product is not intended for use outdoors or in other non-enclosed spaces. These enclosed treatment spaces must be air tight as leakage will reduce RipeLock effectiveness.

DIRECTIONS FOR USE

It is a violation of federal law to use this product in a manner inconsistent with its labeling. Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your state or tribe, consult the State or Tribal Agency responsible for pesticide regulation. All applicable directions, restrictions, precautions and conditions of sale and warranty are to be followed. This labeling must be in the user’s possession during application.

Fruit Storage Conditions
RipeLock is compatible with and complementary to both controlled atmosphere and regular air fruit storage conditions. RipeLock must be used in air tight storage areas.
Timing of Application
RipeLock is added to the storage area containing fruit, upon entering storage, during distribution or in transit. After application, fruit not for immediate sale must be stored according to good standard commercial practices. Fruit may benefit from repeat application. It must be emphasized that keeping the fruit at the correct storage temperature for that fruit at all times and strict adherence to phytosanitary practices remain essential in maintaining safe and high quality fruit.

Bananas: Apply RipeLock after exposure to ethylene and prior to reaching Color Stage 4.

Plaintains: Apply RipeLock when fruit is green.

Application Method and Rate
Prior to application, ensure that the treatment area can be properly and promptly sealed following the start of application. RipeLock Tabs 2.0 are packaged with the required Activator Tablets in a single tablet package. All of the included activator tablets must be used in a single application. The proprietary solution is ready to use in the RipeLock Solution container. When the entire contents of a tablet package are added to the solution, the volatile active ingredient 1-methylcyclopropene (1-MCP) is released. Make sure that you have a sufficient supply of both RipeLock Tabs 2.0 and RipeLock Solution available to treat the designated space.

STEP 1: Select the appropriate number of RipeLock Tabs and RipeLock Solution containers
a.) Accurately determine the volume of the EMPTY treatment space in cubic feet. Multiply inside dimensions: volume = length x width x height. For example, if the treatment space is 20 feet high x 16 feet long x 16 feet wide, the treatment volume would be 20 x 16 x 16 = 5,120 cubic feet.
b.) Choose the correct number of RipeLock Tabs 2.0 according to the size of the space to be treated. Example:
• To treat a 5,120 ft³ space for bananas, divide 5,120 by 300 and use seventeen (17) pink RipeLock Tabs 2.0.

Banana, Plantain: Use one PINK tablet per 270-1060 cubic feet of treatment area.

It is preferred to use the higher dosage in the crop range for longer lasting results, and in some cases broader spectrum control. Consult with your AgroFresh representative for recommendations specific to your conditions.
c.) Select the appropriate number of (200 mL) RipeLock Solution containers. No more than 25 pink Tabs per RipeLock Solution. Do not split the contents of a tablet package. Use the entire contents of one tablet package in one RipeLock Solution container.

**STEP 2: Evaluate the Quality of the Treatment Room/Trailer/Container**

To be used with RipeLock, rooms/containers/trailers must be air tight and have an internal fan for mixing the atmosphere.

**Check that:**
- All room/trailer/container drain holes are plugged
- There are no holes in the walls, ceiling, or floor
- All vents to outside air are closed
- When viewed from a dark interior, no outside light is visible
- Door seals are in EXCELLENT condition
  - No missing rubber
  - No large cracks
  - No plastic slat doors
  - No side doors
- Scrubbers and/or ozone generators are off

**STEP 3: Fill the treatment space with the fruit to be treated**

**STEP 4: Start the application to release RipeLock active ingredient**

a) In the treatment space, find a solid surface to place the required RipeLock Solution containers.

b) Remove the tear strip from the RipeLock Solution taking care not to spill the solution.

c) To achieve the desired dosage, open the selected tablet package and add the entire contents of the selected tablet package to the RipeLock Solution.

d) Repeat with additional RipeLock Solution and tablet packages as needed according to the room volume. Be sure to complete all additions within 5 minutes.

e) Exit the treatment space immediately and promptly close the doors and ensure they are tightly sealed in order to contain the RipeLock active ingredient and ensure its maximum efficacy. The release to the space will start several minutes after addition of the RipeLock Tabs 2.0 to the solution.

f) Circulate the air in the space by means of the internal air circulation system for AT LEAST one (1) hour.
g) For best results, do not open the doors for AT LEAST twelve (12) hours.
h) For best results, for controlled atmosphere storage containers, do not actively change the room atmosphere to controlled atmosphere conditions for AT LEAST twenty four (24) hours.

STEP 5: Allow reentry into the storage space
Before allowing workers to reenter the storage space, vent the treated space by opening the doors for a minimum of fifteen (15) minutes with continued full internal ventilation. After venting, the used solution may be removed and disposed of on-site or at an approved waste disposal facility.

Restrictions
Do not split tablets. Use whole tablets only.
Do not smoke during the RipeLock application.

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

Pesticide Storage: Store in original packaging in a cool, dry place.

Pesticide Disposal: Wastes resulting from the use of this product must be disposed of on site or at an approved waste disposal facility.

Container Disposal: Nonrefillable container. Do not reuse or refill this container. Offer for recycling if available.

CONDITIONS OF SALE AND LIMITATION OF WARRANTY AND LIABILITY
NOTICE: Read the entire Directions for Use and Conditions of Sale and Limitation of Warranty and Liability before buying or using this product. If the terms are not acceptable, return the product at once, unopened, and the purchase price will be refunded.
AGROFRESH warrants that this product conforms to the chemical description on the label. To the extent permitted by applicable law: (1) this warranty does not extend to the use of the product contrary to label instructions or under conditions not reasonably foreseeable to or beyond the control of AGROFRESH or its distributors, and, (2) Buyer and User assume the risk of any such use. To the extent permitted by applicable law, AGROFRESH MAKES NO WARRANTIES OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE NOR ANY OTHER EXPRESS OR IMPLIED WARRANTY EXCEPT AS STATED IN THIS LABEL.

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RipeLock™ is a registered trademark of AgroFresh, Inc.

U.S. Patent 6,762,153
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