

2023-5575
2024-05-23

This label has been updated according to the re-evaluation decision of 1-Methylcyclopropene RVD2023-15. While users are encouraged to follow this updated label immediately, the previously approved label is valid until 09/26/2025 in accordance with the phase out period set out in RVD2023-15. This previously approved label will be provided upon request by emailing hc.pmra.info-arla.sc@canada.ca. In your email please include the product name and Registration number of the label you are requesting.

Use only with 200 mL RipeLock Solution (1 -25 pink Tabs)

RipeLock™ Tabs 2.0

Plant Growth Regulator
For post-harvest use on bananas

FOR USE ONLY WITH THE RIPELOCK SOLUTION

COMMERCIAL

Active ingredient: 1-Methylcyclopropene 2.0%

**CAUTION – SKIN IRRITANT
KEEP OUT OF REACH OF CHILDREN**

REGISTRATION NO.: 31590
PEST CONTROL PRODUCTS ACT

BEFORE USING THIS PRODUCT,
READ THE ENTIRE CONTENTS OF THE ENCLOSED BOOKLET

SEE THE ATTACHED BOOKLET FOR THE FOLLOWING:
DIRECTIONS FOR USE, PRECAUTIONS, FIRST AID, TOXICOLOGICAL
INFORMATION, STORAGE AND DISPOSAL

USE ENTIRE CONTENTS AFTER OPENING

Net Contents:

Pink Tabs	Grams	Pink Tabs	Grams	Pink Tabs	Grams	Pink Tabs	Grams	Pink Tabs	Grams
1	0.84	6	5.0	11	9.2	16	13.4	21	17.6
2	1.6	7	5.9	12	10.1	17	14.3	22	18.5
3	2.5	8	6.7	13	10.9	18	15.1	23	19.3
4	3.4	9	7.6	14	11.8	19	16.0	24	20.2
5	4.2	10	8.4	15	12.6	20	16.8	25	21.0

Each package also contains 8 Activator Tablets, 12.8 grams total

<Net Contents on package>

<Batch No. on package>
110140/20140036

< Background  ;  RipeLockRipeLock logo  >

Made in U.S.A.
AgroFresh Inc.
510-530 Walnut Street, Suite 1350
Philadelphia, Pennsylvania
USA 19106
866-206-1001
<BOOKLET>

**Easy Preparation
Simple Instructions**

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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. Using the “*Selection of RipeLock Tabs 2.0*” table in the booklet, determine the number of RipeLock Tabs 2.0 needed. .. Match the color code of the tablet package with that of the RipeLock Solution.
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.

GENERAL INFORMATION

PINK RipeLock™ Tabs 2.0 are used in conjunction with the RipeLock Solution and Activator Tablets. The RipeLock solution contains a proprietary activator solution. When the RipeLock Tabs 2.0 are mixed with the **OFF WHITE** Activator Tablets in the proprietary activator solution, the volatile active ingredient 1-methylcyclopropene (1-MCP) is released.

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 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 storage, 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 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

Fruit Storage Conditions

RipeLock is compatible with and complementary to fruit stored under both controlled atmosphere and regular air fruit storage conditions. RipeLock must be used in air tight treatment areas.

Timing of Application

For optimum fruit quality, only fruit that are at, or near, the optimum maturity level for long term storage should be treated with RipeLock. To realize maximum benefit in delaying senescence and retention of fruit firmness, fruit should be pre-cooled promptly and treated with RipeLock as soon as possible after harvest.

Bananas: Apply RipeLock after exposure to ethylene and prior to reaching color stage 3 to 3.5.

After application, fruit not for immediate sale must be stored, according to good standard commercial practices, in either refrigerated air or in a controlled atmosphere.

A maximum of one application may be made to bananas.

It must be emphasized that maintaining the proper temperature for the fruit at all times and strict adherence to phytosanitary practices remain essential in maintaining safe and high-quality fruit.

The degree of response of the fruit to RipeLock may be affected by such factors as variety, environmental conditions, and maturity at harvest.

Application Method

Prior to application, ensure that the treatment area can be properly and promptly sealed following application. RipeLock Tabs 2.0 is packaged with the required Activator Tablets in a single tablet package. All of the included activators must be used in a single application. The proprietary solution is ready to use in the RipeLock Solution. Do not transfer to another container. When the entire content of a tablet pouch is added to the RipeLock 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: Selection of the appropriate number of RipeLock Tabs 2.0 and RipeLock Solution

a.) Accurately determine the volume of the EMPTY treatment space in cubic metres. Multiply inside dimensions: volume = length X width X height. For example, if the treatment space is 6.1 metres high x 12.2 metres long x 9.15 metres wide, the treatment volume would be $6.1 \times 12.2 \times 9.15 = 680$ cubic metres.

b.) Choose the correct number of RipeLock Tabs 2.0 according to the size of the space to be treated.

Example:

To treat a 122 m^3 space, divide 122 by 12 and use ten (10) pink Tabs 2.0.

Bananas: One PINK tablet treats $7.6 \text{ m}^3 - 21 \text{ m}^3$.
(Equivalent to 0.36 – 1 ppm a.i.) Limit of one (1)
treatment.

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.

Do not split the contents of a tablet package. Use the entire contents of one tablet package in one RipeLock Solution.

Step 2: Evaluation of 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 off

Step 3: Fill the treatment space with the fruit to be treated

Step 4: Release of 1-MCP

- a) In the treatment space, find a solid surface to place the required RipeLock Solutions.
- b) Remove the tear strip from the RipeLock Solution taking care not to spill the solution.
- c) Open the selected tablet package and add to the solution to achieve the desired dosage.
Add the entire contents of the selected tablet package to the solution.
- d) Repeat with additional 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™ and ensure its maximum efficacy. The release of RipeLock to the space will start several minutes after addition of the RipeLock Tabs 2.0 to the RipeLock Solution.
- f) Circulate the air in the space by means of the internal air circulation system the entire treatment time.
- g) For best results, do not open the doors for **AT LEAST twelve (12) hours for banana.**

Step 5: Reentry to 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 as non-hazardous waste on-site or at an approved waste disposal facility. Store treated commodities not intended for immediate sale according to standard commercial practices, in either refrigerated air or controlled atmosphere conditions.

Restrictions

Do not split tablets. Use whole tablets only.

Do not smoke during the RipeLock application.

After the area is sealed, post a sign on all of the entrances to the treatment area. The sign must read “**CAUTION. Do not enter area. RipeLock treatment in progress.**” The doors to the storage area should remain sealed to ensure effective RipeLock treatment. All vents to outside air should be closed, and any ethylene scrubbing devices or ozone generating equipment must be turned off. Do not enter until treatment is complete and the treatment room has been ventilated for 15 minutes. For re-entry prior to treatment completion, the room must be ventilated for 15 minutes and individuals must wear a long-sleeved shirt, long pants, and chemical-resistant gloves as well as either a respirator with a NIOSH/MSHA/BHSE approved organic-vapour-removing cartridge with a prefilter approved for pesticides OR a NIOSH/MSHA/BHSE approved canister approved for pesticides. In case of emergency contact a trained AgroFresh Inc. employee. The doors to the treatment room must remain sealed for 12 hours to ensure effective RipeLock treatment. Entrance to the room prior to time period will invalidate the treatment. During the treatment, the internal air circulation system must be running to ensure good air circulation within the treatment room. All vents to outside air must be closed. At the end of the RipeLock treatment period, vent the treated room by opening the doors for a minimum of fifteen minutes with continued full internal ventilation before allowing workers to enter. At the end of the room venting, remove the RipeLock Solution. The spent solution must be disposed of properly either on-site or at an approved waste disposal facility. Treated fruit not intended for immediate sale should be stored according to good, standard commercial practices.

Reentry Interval

Do not enter or allow worker entry into the treatment room until treatment is completed and the treatment room is vented for a minimum of fifteen minutes.

PRECAUTIONS:

KEEP OUT OF REACH OF CHILDREN.

Causes slight eye irritation. May irritate the skin. Avoid contact with skin. Harmful if absorbed through skin. Avoid contact with eyes, skin or clothing. Avoid breathing vapour. Wash thoroughly with soap and water after handling. Do not smoke during RipeLock application.

During mixing, loading, application, clean-up and repair or re-entry: a long-sleeved shirt, long pants, chemical-resistant gloves, socks and shoes.

Remove contaminated clothing and wash separately before reuse.

Eye protection (when required): protective eyewear (goggles or face shield).

Respirator: a respirator with a NIOSH-approved organic-vapour-removing cartridge with a prefilter approved for pesticides, or a NIOSH-approved canister approved for pesticides.

If required, individuals may re-enter the treatment room prior to treatment completion, following 15 minutes of venting the 1-MCP from the treatment room. Upon re-entry, individuals must wear a long-sleeved shirt, long pants, and chemical-resistant gloves as well as either a respirator with a NIOSH/MSHA/BHSE approved organic-vapour-removing cartridge with a prefilter approved for pesticides OR a NIOSH/MSHA/BHSE approved canister approved for pesticides.

DO NOT contaminate irrigation/drinking water supplies or aquatic habitats by disposal of unused product.

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:

Treat symptomatically.

STORAGE:

Store in original tightly closed container. Do not ship or store near food, feed, seed and fertilizers. Store in cool, dry, locked, well-ventilated area without floor drain.

DISPOSAL:

RipeLock Solution (stand up pouch)

Wastes resulting from the use of this product must be disposed of on site or at an approved waste disposal facility. Triple rinse the empty RipeLock Solution, and dispose as waste. 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.

RipeLock Tabs 2.0 (foil package)

- Thoroughly empty the contents into the RipeLock Solution.
- Make the empty container unsuitable for further use.

- Dispose in accordance with municipal or provincial regulations.

Canadian manufacturers should dispose of unwanted active ingredients and containers in accordance with municipal or provincial regulations. For additional details and clean up of spills, contact the manufacturer or the provincial regulatory agency.

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 the directions on the label.

RipeLock is a registered trademark of the Dow Chemical Company and its affiliate AgroFresh Inc.

Canada Patent Nos. 2191434, 2341301, 2357894, 240719