

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.ppra.info-arla.sc@canada.ca](mailto:hc.ppra.info-arla.sc@canada.ca). In your email please include the product name and Registration number of the label you are requesting.

SMARTFRESH™ SMARTTABS

For post-harvest use on bananas only.

**FOR USE ONLY WITH THE SMARTFRESH ACTIVATOR KIT**

COMMERCIAL

ACTIVE INGREDIENT: 1-Methylcyclopropene 0.63%

WARNING, CONTAINS THE ALLERGEN MILK

**KEEP OUT OF REACH OF CHILDREN**

CAUTION

READ THE LABEL BEFORE USING

REGISTRATION NO.: 28781 PEST CONTROL PRODUCTS ACT

NET CONTENTS 10 Tablets x 1.25 g per Tablet (12.5 g)

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## GENERAL INFORMATION

SmartFresh™ SmartTabs is based on the use of the **GREEN** SmartFresh™ SmartTabs tablets in conjunction with the SmartFresh™ Activator Kit. The Smart Fresh Activator Kit is based on **BLUE** Activator Tablets in a proprietary Activator Solution.

SmartFresh™ SmartTabs are **GREEN** tablets that, when mixed with the **BLUE** Activator Tablets in a proprietary Activator Solution, release the volatile active ingredient 1-methylcyclopropene (1-MCP).

SmartFresh is a unique postharvest tool for counteracting many of the undesirable effects of internal ethylene produced in harvested banana fruit. SmartFresh maintains fruit quality and appearance through its effect in delaying the rise in internal ethylene production and respiration that occurs during ripening. Therefore, ripening and senescence of fruit treated with SmartFresh can be expected to occur later than in untreated fruit. In bananas, SmartFresh increases the number of days that bananas are in their ideal “yellow life” stages and delays the occurrence and severity of sugar spots.

SmartFresh is to be used after bananas have been treated with ethylene and when the bananas have reached the color stage 3.0 to 3.5. SmartFresh can be applied to any one lot of bananas once.

Bananas must be exposed to the volatile active ingredient of SmartFresh in a gas tight ripening room or other refrigerated storage facility. This product must not be used outdoors or in non-enclosed areas. These enclosed treatment areas should be gas tight as leakage will reduce effectiveness of SmartFresh.

## DIRECTIONS FOR USE

Apply SmartFresh after bananas have been treated with ethylene and as soon as they have reached a color stage of 3 to 3.5. SmartFresh can be applied in existing banana ripening rooms or in a separate storage room as long as the room is gas tight. Treatment time is 12 hours at the normal commercial storage temperature for bananas.

After application, fruit should be stored and distributed according to good standard commercial practices. It must be emphasized that maintaining the cold chain (keeping the fruit cool at all times) and strict adherence to phytosanitary practices remain essential in maintaining safe and high-quality fruit.

## APPLICATION METHOD

Prior to application, ensure that the treatment area can be properly and promptly sealed following application. SmartFresh™ SmartTabs are used in conjunction with the SmartFresh™ Activator Kit. SmartFresh™ SmartTabs are **GREEN** tablets that, when mixed with **BLUE** Activator Tablets in a proprietary Activator Solution, release the volatile active ingredient 1-methylcyclopropene (1-MCP). Make sure that you have a sufficient supply of both SmartFresh™ SmartTabs and SmartFresh™ Activator Kits available to treat your selected treatment area.

Follow the five application steps below:

### **Step 1. Evaluation of the Quality of the Treatment Room**

To be used with SmartFresh™, rooms must be gas tight and have an internal fan for mixing the atmosphere.

#### **Check that:**

- All Room 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 roller top doors No side doors
- Scrubbers and/or ozone generators are off

### **Step 2: Selection of the appropriate number of GREEN SmartTabs and SmartTab Activator Kits for use**

a.) Accurately determine the volume of your EMPTY treatment area in cubic metres. Multiply inside dimensions: volume = length X width X height .

b.) Use 1 **GREEN** SmartTabs for each 10 cubic metre storage area. For example, if the storage area is 40 to 50 cubic metres, use 4 **GREEN** SmartTabs or if the storage area is 170 to 180 cubic metres, use a total of 17 **GREEN** SmartTabs.

NOTE: Never use more than ten (10) **GREEN** SmartFresh SmartTabs per activator kit. If more than ten (10) **GREEN** SmartFresh™ SmartTabs are needed, you must divide them among two (2) or more SmartFresh™ Activator Kits. Each Kit activates up to 10 SmartFresh™ SmartTabs only.

**Always use two (2) BLUE tablets for EACH Release Kit.**

### **Step 3: Fill the treatment room with the fruit to be treated**

#### **Step 4: Release of 1-MCP**

- a) Remove the pack of two (2) **BLUE** SmartFresh™ Activator Tablets from the foam block.  
**Always use both BLUE tablets.**
- b) Remove the appropriate number of **GREEN** SmartTabs from the SmartFresh™ SmartTabs Package.
- c) Peel off the foil seal from the SmartFresh™ Activator Solution taking care not to spill the solution.
- d) Add both the **BLUE** and **GREEN** Tablets to the Activator Solution.
- e) Replace the cap.
- f) Place the small container on a level surface e.g. in the bottom gap of the pallet. Keep the container upright.
- g) Exit the treatment room immediately and promptly close the doors and ensure they are tightly sealed in order to contain the SmartFresh™ and ensure its maximum efficacy. The release of

SmartFresh™ to the area will start several minutes after addition of the SmartTabs to the Activator Solution.

- h) Circulate air in the room by means of the internal air circulation system for AT LEAST one (1) hour.
- i) Do not open the doors for twelve (12) hours.

#### **Step 5: Reentry to the Storage Area**

At the end of the SmartFresh™ treatment period, vent the treated room by opening the doors for a minimum of thirty minutes with continued full internal ventilation before allowing workers to enter. At the end of the room venting, remove the SmartFresh™ Activator Solution and dispose of it as non-hazardous waste on-site or at an approved waste disposal facility. Store treated fruit not intended for immediate sale according to standard commercial practices.

#### **PRECAUTIONS:**

**KEEP OUT OF REACH OF CHILDREN.**

Causes slight eye irritation. Harmful if absorbed through skin. Avoid contact with eyes, skin or clothing. Avoid breathing vapor. Wash thoroughly with soap and water after handling. Do not smoke during Smart Fresh 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.

Maximum season use rate: One application with appropriate number of tablets.

After the area is sealed, post a sign on all of the entrances to the treatment area. For treatment of bananas the sign must read “CAUTION. Do not enter. SmartFresh SmartTabs treatment in progress. Do not enter until treatment is complete (after 12 hours) and the treatment room has been ventilated for 30 minutes. For re-entry prior to treatment completion, the room must be ventilated for 30 minutes and individuals must wear a long-sleeved shirt, long pants, and chemical-resistant gloves as well as either a respirator with a NIOSH/MSMA/BHSE approved organic-vapour-removing cartridge with a prefilter approved for pesticides OR a NIOSH/MSMA/BHSE approved canister approved for pesticides. In case of emergency, contact a trained AgroFresh Inc. employee”.

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 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.

**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.

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

**DISPOSAL:**

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 SmartFresh Activator Kit, 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.

**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.

SmartFresh™ is a registered trademark of AgroFresh Inc.