

FRONT

110,00 mm

MATRI TABLETS

For commercial treatment of apples, asparagus, avocados, bananas, basil, blueberries, broccoli, cabbage, cherries, figs, flowers (cut), grapes (table), green beans, kale, kiwifruit, lettuce, lychee, mangoes, melons (honeydew, cantaloupe, yellow melon, watermelon, pumpkin), onions, ornamentals, papayas, peaches, pears, peppers, plums, potted plants, and tomatoes.

ACTIVE INGREDIENT:

1-Methylcyclopropene 0.78%

OTHER INGREDIENTS: 99.22%

TOTAL: 100.00%

NOTICE: 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 in its generating system unopened and unused within thirty days of purchase to the place of purchase.

KEEP OUT OF REACH OF CHILDREN
CAUTION

See label booklet for complete First Aid, Precautionary Statements, Directions For Use, and Storage and Disposal.

EPA REG. NO. 93837-4
EPA EST. NO. 93837-POL-1
Lot/Batch No.:

Distributed by:

Fresh Inset Solutions Inc.
119 S. Court Avenue
Suite 201
Memphis, TN 38103

Net Contents: 25 x 0.03 oz (0.78 grams)



150,00 mm

FIRST AID

If on skin or clothing	<ul style="list-style-type: none">• 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	<ul style="list-style-type: none">• 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	<ul style="list-style-type: none">• Call 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 at 1-800-222-1222 (Available 24/7)

PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION. Avoid contact with skin, eyes, or clothing. Causes moderate eye irritation. Harmful if inhaled. Avoid breathing vapor. Harmful if swallowed. 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 made of any waterproof material
- Protective eyewear (such as goggles, safety glasses, or face shield)

Applicators and handlers must follow manufacturer's instructions for cleaning/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).

Do not enter enclosed areas until the enclosed area has been vented unless wearing the appropriate PPE. Ventilation shall continue until after thirty (30) minutes of ventilation using fans or other mechanical ventilating systems.

PPE required for early entry into enclosed areas prior to venting is:

- Long-sleeved shirt and long pants
- Shoes plus socks
- Chemical-resistant gloves made of any waterproof material
- 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.

GENERAL INFORMATION

MaTri Tablets are tablets that, when dropped into water will dissolve as an effervescent tablet and release the volatile active ingredient, 1-methylcyclopropene (1-MCP).

MaTri Tablets are a unique postharvest tool for counteracting many of the undesirable effects of both internal (produced within the fruit, flowers, vegetables, or ornamentals) and external sources of ethylene on harvested fruit and/or vegetables. By counteracting ethylene, MaTri Tablets provide many benefits during transport and storage including:

- Maintaining firmness
- Maintaining titratable acidity
- Preventing superficial scald and soft scald on pome fruit
- Reducing internal ethylene production
- Protection from external sources of ethylene
- Reducing fruit respiration
- Delaying ripening and senescence
- Reducing incidence of peel greasiness in apples
- Reducing incidence of core flush and mealliness in pome fruit
- Reducing chilling injury
- Extending flower and ornamental quality

MaTri Tablets can be used immediately after harvest, prior to storage, prior to shipment and/or just prior to sale. MaTri Tablets are effective under both cool (below 55°F, 13°C) and warm (above 55°F, 13°C) temperature conditions. To realize maximum benefit in controlling senescence, treat produce as soon as possible after harvest.

Harvested produce must be exposed to the volatile active ingredient of MaTri Tablets in enclosed areas, 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 areas. These enclosed treatment areas must be gas-tight, as leakage will reduce MaTri Tablets' 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 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, Flowers, Vegetables, and/or Ornamentals Storage Conditions

MaTri Tablets are compatible with and complementary to fruit, flowers, vegetables, or ornamentals stored under both controlled atmosphere and regular storage conditions. MaTri Tablets must be used in airtight treatment areas.

Timing of Harvest and Application

Add MaTri Tablets to a bucket or tray of water within the treatment area containing the produce. It is best to apply immediately after harvest and prior to any post-harvest fungicide treatment. It can also be applied prior to the produce entering cold storage or transit. For best results, do not use with produce previously treated with Ethephon. To realize maximum benefit for optimum quality, promptly pre-cool produce and apply MaTri Tablets in the treatment area as soon after harvest as possible and before the peak of respiration has occurred. Best results from MaTri Tablets are obtained with produce at the optimum maturity level for long-term storage. Produce may benefit from repeat application. After application, store produce not for immediate sale according to good standard commercial practices, in either refrigerated air or controlled atmosphere. Use controlled atmosphere storage for fruit that is to be held longer than six months.

It must be emphasized that maintaining the cold chain (keeping the produce cool at all times) and strict adherence to phytosanitary practices remain essential in maintaining safe and high-quality produce. For optimum control of superficial scald on pome fruits, MaTri Tablets must be applied within two weeks of harvest.

Apples: Apply MaTri Tablets soon after harvest. Best results are obtained when fruit is at the optimum maturity level for long-term storage. For optimum quality, store apples that are to be held longer than six months in a controlled atmosphere.

Avocados: Apply MaTri Tablets to the fruit soon after harvest at the physiological maturity stage or just prior to the "turning black" stage.

Asparagus, basil, blueberries, broccoli, cabbage, cherries, figs, flowers (cut), grapes (table), green beans, kale, lettuce, lychee, melons, mangoes, onions, ornamentals, papayas, pears, peppers, and potted plants: Apply MaTri Tablets as soon after harvest as possible.

Kiwifruit: Apply MaTri Tablets either as soon after harvest as possible or after long-term storage and before the fruit are transported and distributed.

Tomatoes: Apply MaTri Tablets between color stage mature green (color stage 1) and light red (color stage 5).

Plums: Apply MaTri Tablets either as soon after harvest as possible or after long-term storage and before the fruit are transported and distributed.

APPLICATION METHOD

Prior to application, ensure that the treatment area can be properly and promptly sealed following application.

Preparing the water buckets/trays for treatment: Fill the treatment area with produce prior to using MaTri Tablets. Once the storage area is ready to seal, open the pouch containing the MaTri Tablets and drop the appropriate number of tablets into buckets or trays of water. For each tablet, there is a minimum volume of water to use for proper dissolution as follows:

Table 2: MaTri Tablet Water Requirements

Tablet Weight (oz)	Tablet Weight (g)	Minimum Water Volume Required Per Tablet	
		Fluid Ounces	ml
0.03	0.78	2	50
0.06	1.56	3	100
0.14	3.9	8	250

If possible, use water between 68° and 104° F (20° and 40° C). Larger rooms may require multiple buckets or trays of water to achieve the appropriate dosage. Use no more than 2 gallons (7.5 liters) of water per bucket or tray. For larger rooms, multiple buckets or

trays may be required to not exceed the 2 gallon limitation per bucket or tray.

Selection of tablet size and number based on volume of treatment area. Calculate the treatment area volume by measuring the length, width and height of the treatment area. Multiply these three numbers together to obtain the treatment area volume in cubic feet or cubic meters. For example, if a room is 8 feet wide, 25 feet long and 10 feet high, the treatment area volume equals 2000 cubic feet.

Selection of the proper number of tablets to use: To determine the required number of MaTri Tablets to use, divide the total treatment volume by the desired rate for the selected crop shown in **Table 3** below. For example, if the room volume is 2000 cubic feet (see example above) and 0.03 oz tablets are used to treat apples, make the following calculation:

2,000 (room volume) / 95 (0.03 oz tablet high rate) = 21.03-0.03 oz tablets (Round to 21 tablets)

2,000 (room volume) / 135 (0.03 oz tablet low rate) = 14.8-0.03 oz tablets (Round to 15 tablets)

Do NOT cut tablets. Round the number to the nearest whole number that corresponds to the calculated amount.

Make sure the water bucket(s) are placed on a stable surface in the treatment area in a position that would be within the flow of air from the internal refrigeration system. If multiple buckets are needed, space the buckets on the floor with as much separation as possible. Once ready to make the application, remove the appropriate number of MaTri Tablets and drop them into the water buckets.

The tablets will take 1-3 minutes to begin dissolving and releasing 1-MCP into the treatment area. Once tablets are in the water buckets, all persons must immediately leave the storage area and seal the door in order to contain the 1-MCP vapor and ensure the maximum efficacy. The release of the 1-MCP to the area will start once the outer coating of the tablets dissolves.

Table 3: MaTri Tablet Sizes and Use Rates

Tablet Weight (oz)	Tablet Weight (g)	Lowest Rate Area Treated per tab (ft ²)	Highest Rate Area Treated per tab (ft ²)	Lowest Rate Area Treated per tab (m ²)	Highest Rate Area Treated per tab (m ²)	Crop Target
0.03	0.78	135	95	3.83	2.68	Apple, Asparagus, Avocado, Basil, Blueberry, Broccoli, Cabbage, Cherry, Fig, Flowers (cut), Grape (Table), Green Bean, Kale, Lettuce, Lychee, Onion, Ornamentials, Pepper, Potted Plants
0.03	0.78	315	145	8.93	4.12	Pear
0.03	0.78	130	189	3.67	5.36	Kiwifruit, Mango, Melon, Papaya, Peach, Plum, Tomato
0.03	0.78	379	95	10.72	2.68	Banana
Tablet Weight (oz)	Tablet Weight (g)	Lowest Rate Area Treated per tab (ft ²)	Highest Rate Area Treated per tab (ft ²)	Lowest Rate Area Treated per tab (m ²)	Highest Rate Area Treated per tab (m ²)	Crop Target
0.06	1.56	270	189	7.66	5.36	Apple, Asparagus, Avocado, Basil, Blueberry, Broccoli, Cabbage, Cherry, Fig, Flowers (cut), Grape (Table), Green Bean, Kale, Lettuce, Lychee, Onion, Ornamentials, Pepper, Potted Plants
0.06	1.56	631	291	17.86	8.24	Pear
0.06	1.56	259	379	7.34	10.72	Kiwifruit, Mango, Melon, Papaya, Peach, Plum, Tomato
0.06	1.56	757	189	21.44	5.36	Banana
Tablet Weight (oz)	Tablet Weight (g)	Lowest Rate Area Treated per tab (ft ²)	Highest Rate Area Treated per tab (ft ²)	Lowest Rate Area Treated per tab (m ²)	Highest Rate Area Treated per tab (m ²)	Crop Target
0.14	3.9	676	473	19.15	13.4	Apple, Asparagus, Avocado, Basil, Blueberry, Broccoli, Cabbage, Cherry, Fig, Flowers (cut), Grape (Table), Green Bean, Kale, Lettuce, Lychee, Onion, Ornamentials, Pepper, Potted Plants
0.14	3.9	1577	727	44.65	20.6	Pear
0.14	3.9	648	946	18.35	26.8	Kiwifruit, Mango, Melon, Papaya, Peach, Plum, Tomato
0.14	3.9	1893	473	53.60	13.4	Banana

After the area is sealed, post a sign on all entrances to the treatment area. The sign must read,

**“CAUTION. Do not enter area.
MaTri Tablets treatment in progress.”**

The doors to the storage area must remain sealed for the following periods of time to ensure effective MaTri Tablets treatment.

- 24 hours: Apple, asparagus, basil, blueberries, cabbage, cherries, figs, flowers (cut), grapes (table), green beans, kale, lettuce, lychee, onions, ornamentals, peach, pears, peppers, plum, potted plants
- 12 hours: Avocado, banana, broccoli, kiwifruit, melons, mango, papaya and tomato

Entry into the treatment room prior to these time periods will compromise the treatment. Circulate the air in the space by means of the internal air circulation system for AT LEAST one (1) hour. Close all vents to outside air and turn off any ethylene scrubbing devices or ozone generating equipment. At the end of the MaTri Tablets treatment period, vent the treated room by opening the doors for a minimum of thirty (30) minutes with continued full internal ventilation before allowing workers to enter. At the end of the room venting, remove the buckets or trays of water. The spent water contained in the buckets or trays can be disposed by pouring down a suitable drain. Store treated produce not intended for immediate sale according to good standard commercial practices, in either refrigerated air or controlled atmosphere. Use controlled atmosphere storage in controlled atmosphere conditions for fruit that is planned to be held longer than six months.

Restrictions

- **Restricted Entry Interval (REI):**
30 minutes after room has been vented.
- **Do not** smoke during the MaTri Tablets application.

STORAGE AND DISPOSAL

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

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

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: Dispose of empty outer foil bag in trash.

CONDITIONS OF SALE AND WARRANTY

SYNTHEX TECHNOLOGIES SP. Z O.O. ("Synthex") warrants that the product conforms to its chemical description and is reasonably fit for the purpose stated on the label only when used in accordance with label directions under normal conditions of use. SYNTHEX MAKES NO OTHER EXPRESS OR IMPLIED WARRANTIES EITHER OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE. Handling, storage and use of the product by Buyer or User are beyond the control of SYNTHEX and Seller. Risks such as crop injury, ineffectiveness or other unintended consequences resulting from, but not limited to, weather or soil conditions, presence of other materials, disease, pests, drift to other crops or property, or failure to follow label directions will be assumed by the Buyer or User. IN NO CASE WILL SYNTHEX OR SELLER BE HELD LIABLE FOR CONSEQUENTIAL, SPECIAL OR INDIRECT DAMAGES RESULTING FROM THE HANDLING, STORAGE OR USE OF THIS PRODUCT.

Synthex Technologies Sp. z o.o.
Gagarina 7/134B
87-100 Toruń
Poland

Distributed by:

Fresh Inset Solutions Inc.
119 S. Court Avenue
Suite 201
Memphis, TN 38103

BAZA



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