



## OFFICE OF CHEMICAL SAFETY AND POLLUTION PREVENTION

WASHINGTON, D.C. 20460

May 30, 2024

Wendy McCombie

Authorized Agent to Premier Tech Growers and Consumers, Inc.

TSG Consulting

1150 18<sup>th</sup> Street, NW, Suite 475

Washington, D.C. 20036

Subject: Non-PRIA (Pesticide Registration Improvement Act) Labeling Amendment – Make Minor Changes to the Labeling (e.g., Precautionary Statements, Optional Marketing Language per California’s Request, Updating Directions for Use) and Make Other Changes to the Labeling, Including Those Requested by the EPA (e.g., Revise Active Ingredient name, Update the Hotline Number Section, and Minor Formatting)

Product Name: Pro-Mix Tandem

EPA Registration Number: 74267-4

EPA Receipt Date: 05/27/2022

Action Case Number: 00368455

Dear Wendy McCombie:

The amended labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), as amended, is acceptable.

The alternate brand names: PRO-MIX® GPX BIOFUNGICIDE™ + MYCORRHIZAE™, PRO-MIX® GENERIC PACK BIOFUNGICIDE™ + MYCORRHIZAE™, PRO-MIX® GROWING MEDIUM BIOFUNGICIDE™ + MYCORRHIZAE™, PRO-MIX® FLX BIOFUNGICIDE™ + MYCORRHIZAE™, PRO-MIX® NAX BIOFUNGICIDE™ + MYCORRHIZAE™, PRO-MIX® NAC BIOFUNGICIDE™ + MYCORRHIZAE™, PRO-MIX® LP BIOFUNGICIDE™ + MYCORRHIZAE™, PRO-MIX® BKI BIOFUNGICIDE™ + MYCORRHIZAE™, PRO-MIX® BK BIOFUNGICIDE™ + MYCORRHIZAE™, PRO-MIX® BK25 BIOFUNGICIDE™ + MYCORRHIZAE™, PRO-MIX® BK55 BIOFUNGICIDE™ + MYCORRHIZAE™, PRO-MIX® BKH BIOFUNGICIDE™ + MYCORRHIZAE™, PRO-MIX® MPL BIOFUNGICIDE™ + MYCORRHIZAE™, PRO-MIX® FVC BIOFUNGICIDE™ + MYCORRHIZAE™, PRO-MIX® VX10 BIOFUNGICIDE™ + MYCORRHIZAE™, PRO-MIX® FVX BIOFUNGICIDE™ + MYCORRHIZAE™, PRO-MIX® VX30 BIOFUNGICIDE™ + MYCORRHIZAE™, PRO-MIX® FVH BIOFUNGICIDE™ + MYCORRHIZAE™, PRO-MIX® MGX BIOFUNGICIDE™ + MYCORRHIZAE™, PRO-MIX® NFX BIOFUNGICIDE™ + MYCORRHIZAE™, PRO-MIX® FORTIFY™, PRO-MIX® GPX FORTIFY™, PRO-MIX® GENERIC PACK FORTIFY™, PRO-MIX® GROWING MEDIUM FORTIFY™, PRO-MIX® FLX FORTIFY™, PRO-MIX® BX FORTIFY™, PRO-MIX® NAX FORTIFY™, PRO-MIX® NAC FORTIFY™, PRO-MIX® HP® FORTIFY™, PRO-MIX® HPCC FORTIFY™, PRO-MIX® LP15 FORTIFY™, PRO-MIX® LP FORTIFY™, PRO-MIX® MPX FORTIFY™, PRO-MIX® BRK FORTIFY™, PRO-MIX® BKI FORTIFY™, PRO-MIX® BRK20 FORTIFY™, PRO-MIX® BK FORTIFY™, PRO-MIX® FPX FORTIFY™, PRO-MIX® PGX FORTIFY™, PRO-MIX® TA FORTIFY™, PRO-MIX® VFT FORTIFY™, PRO-MIX® LCT FORTIFY™, PRO-MIX® BK25 FORTIFY™, PRO-MIX® BK55 FORTIFY™, PRO-MIX®

BKH FORTIFY™, PRO-MIX® MPL FORTIFY™, PRO-MIX® FVC FORTIFY™, PRO-MIX® VX10 FORTIFY™, PRO-MIX® FVX FORTIFY™, PRO-MIX® VX30 FORTIFY™, PRO-MIX® FVH FORTIFY™, PRO-MIX® MGX FORTIFY™, PRO-MIX® NFX FORTIFY™, have been added to the registration, and our records have been updated accordingly. This approval does not affect any terms or conditions that were previously imposed on this registration. You continue to be subject to existing terms or conditions on your registration and any deadlines connected with them.

A stamped copy of your labeling is enclosed for your records. This labeling supersedes all previously accepted labeling. You must submit one (1) copy of the final printed labeling before you release this product for shipment with the new labeling. In accordance with 40 CFR § 152.130(c), you may distribute or sell this product under the previously approved labeling for 18 months from the date of this letter. After 18 months, you may only distribute or sell this product if it bears this new revised labeling or subsequently approved labeling. "To distribute or sell" is defined under FIFRA section 2(gg) and its implementing regulation at 40 CFR § 152.3.

Should you wish to add/retain a reference to your company's website on your label, then please be aware that the website becomes labeling under FIFRA and is subject to review by the U.S. Environmental Protection Agency (EPA). If the website is false or misleading, the product will be considered to be misbranded and sale or distribution of the product is unlawful under FIFRA section 12(a)(1)(E). 40 CFR § 156.10(a)(5) lists examples of statements the EPA may consider false or misleading. In addition, regardless of whether a website is referenced on your product's label, claims made on the website may not substantially differ from those claims approved through the registration process. Therefore, should the EPA find or if it is brought to our attention that a website contains statements or claims substantially differing from statements or claims made in connection with obtaining a FIFRA section 3 registration, the website will be referred to the EPA's Office of Enforcement and Compliance Assurance.

Your release for shipment of this product constitutes acceptance of these terms. If these terms are not complied with, this registration will be subject to cancellation in accordance with FIFRA section 6.

If you have any questions, please contact Bibiana Oe by phone at (202) 566-1538 or via email at [oe.bibiana@epa.gov](mailto:oe.bibiana@epa.gov).

Sincerely,

**CODY**

**KENDRICK**

Digitally signed by

CODY KENDRICK

Date: 2024.05.30

08:38:52 -07'00'

Cody Kendrick, Senior Regulatory Advisor  
Microbial Pesticides Branch  
Biopesticides and Pollution  
Prevention Division (7511M)  
Office of Pesticide Programs

Enclosure

## PRO-MIX® TANDEM

Alternate Brand Names (ABNs): PRO-MIX® BIOFUNGICIDE™ + MYCORRHIZAE™, PRO-MIX® GPX BIOFUNGICIDE™ + MYCORRHIZAE™, PRO-MIX® GENERIC PACK BIOFUNGICIDE™ + MYCORRHIZAE™, PRO-MIX® GROWING MEDIUM BIOFUNGICIDE™ + MYCORRHIZAE™, PRO-MIX® FLX BIOFUNGICIDE™ + MYCORRHIZAE™, PRO-MIX® BX BIOFUNGICIDE™ + MYCORRHIZAE™, PRO-MIX® NAX BIOFUNGICIDE™ + MYCORRHIZAE™, PRO-MIX® NAC BIOFUNGICIDE™ + MYCORRHIZAE™, PRO-MIX® HP® BIOFUNGICIDE™ + MYCORRHIZAE™, PRO-MIX® HPCC BIOFUNGICIDE™ + MYCORRHIZAE™, PRO-MIX® LP15 BIOFUNGICIDE™ + MYCORRHIZAE™, PRO-MIX® LP BIOFUNGICIDE™ + MYCORRHIZAE™, PRO-MIX® MPX BIOFUNGICIDE™ + MYCORRHIZAE™, PRO-MIX® BRK BIOFUNGICIDE™ + MYCORRHIZAE™, PRO-MIX® BKI BIOFUNGICIDE™ + MYCORRHIZAE™, PRO-MIX® BRK20 BIOFUNGICIDE™ + MYCORRHIZAE™, PRO-MIX® BK BIOFUNGICIDE™ + MYCORRHIZAE™, PRO-MIX® FPX BIOFUNGICIDE™ + MYCORRHIZAE™, PRO-MIX® PGX BIOFUNGICIDE™ + MYCORRHIZAE™, PRO-MIX® TA BIOFUNGICIDE™ + MYCORRHIZAE™, PRO-MIX® VFT BIOFUNGICIDE™ + MYCORRHIZAE™, PRO-MIX® LCT BIOFUNGICIDE™ + MYCORRHIZAE™, PRO-MIX® BK25 BIOFUNGICIDE™ + MYCORRHIZAE™, PRO-MIX® BK55 BIOFUNGICIDE™ + MYCORRHIZAE™, PRO-MIX® BKH BIOFUNGICIDE™ + MYCORRHIZAE™, PRO-MIX® MPL BIOFUNGICIDE™ + MYCORRHIZAE™, PRO-MIX® FVC BIOFUNGICIDE™ + MYCORRHIZAE™, PRO-MIX® VX10 BIOFUNGICIDE™ + MYCORRHIZAE™, PRO-MIX® FVX BIOFUNGICIDE™ + MYCORRHIZAE™, PRO-MIX® VX30 BIOFUNGICIDE™ + MYCORRHIZAE™, PRO-MIX® FVH BIOFUNGICIDE™ + MYCORRHIZAE™, PRO-MIX® MGX BIOFUNGICIDE™ + MYCORRHIZAE™, PRO-MIX® NFX BIOFUNGICIDE™ + MYCORRHIZAE™, PRO-MIX® FORTIFY™, PRO-MIX® GPX FORTIFY™, PRO-MIX® GENERIC PACK FORTIFY™, PRO-MIX® GROWING MEDIUM FORTIFY™, PRO-MIX® FLX FORTIFY™, PRO-MIX® BX FORTIFY™, PRO-MIX® NAX FORTIFY™, PRO-MIX® NAC FORTIFY™, PRO-MIX® HP® FORTIFY™, PRO-MIX® HPCC FORTIFY™, PRO-MIX® LP15 FORTIFY™, PRO-MIX® LP FORTIFY™, PRO-MIX® MPX FORTIFY™, PRO-MIX® BRK FORTIFY™, PRO-MIX® BKI FORTIFY™, PRO-MIX® BRK20 FORTIFY™, PRO-MIX® BK FORTIFY™, PRO-MIX® FPX FORTIFY™, PRO-MIX® PGX FORTIFY™, PRO-MIX® TA FORTIFY™, PRO-MIX® VFT FORTIFY™, PRO-MIX® LCT FORTIFY™, PRO-MIX® BK25 FORTIFY™, PRO-MIX® BK55 FORTIFY™, PRO-MIX® BKH FORTIFY™, PRO-MIX® MPL FORTIFY™, PRO-MIX® FVC FORTIFY™, PRO-MIX® VX10 FORTIFY™, PRO-MIX® FVX FORTIFY™, PRO-MIX® VX30 FORTIFY™, PRO-MIX® FVH FORTIFY™, PRO-MIX® MGX FORTIFY™, PRO-MIX® NFX FORTIFY™

### SPHAGNUM PEAT-BASED GROWING MEDIUM

WITH BIOFUNGICIDE FOR PROTECTED GROWING ENVIRONMENT USE (E.G. GREENHOUSES, OR CONTAINED NURSERIES), OPTIONAL TEXT: OR HIGH TUNNEL GREENHOUSE)

*OPTIONAL TEXT (select one or many sentences):*

(ALSO SUPPRESSES FUNGUS GNATS AND THRIPS) (WITH BIOFUNGICIDE+MYCORRHIZAE™)

(BIOFUNGICIDE+MYCORRHIZAE™)

(BACILLUS+MYCORRHIZAE™)

(GROWING MEDIUM)

(GENERAL PURPOSE GROWING MEDIUM)

(MULTI-PURPOSE GROWING MEDIUM)

(NURSERY GROWING MEDIUM)

(HIGH POROSITY GROWING MEDIUM)

(HIGH POROSITY CHUNK COIR GROWING MEDIUM)

(FINE PLUG GROWING MEDIUM)

(PLUG AND GERMINATION GROWING MEDIUM)

(LARGE CELL VEGETABLE TRANSPLANT GROWING MEDIUM)

(FRUIT AND VEGETABLE GROWING MEDIUM)

(PEAT/BARK-BASED GROWING MEDIUM)

(NO AGGREGATE PEAT GROWING MEDIUM)

(NO AGGREGATE PEAT/COIR GROWING MEDIUM)

(NO AGGREGATE FINE PEAT GROWING MEDIUM)

(MICRO-GREEN GROWING MEDIUM)

(SPHAGNUM PEAT-BASED GROWING MEDIUM)

(SPHAGNUM PEAT/COIR-BASED GROWING MEDIUM)

(SPHAGNUM PEAT/ BARK-BASED GROWING MEDIUM)

**ACCEPTED**

May 30, 2024

Under the Federal Insecticide, Fungicide  
and Rodenticide Act as amended, for the  
pesticide registered under  
EPA Reg. No.

74267-4

KEEP OUT OF REACH OF CHILDREN

**CAUTION**

See First Aid and Additional Precautionary Statements on Back Panel

**PRO-MIX® TANDEM**; EPA Reg. No. 74267-4

LABEL AMENDMENT to make minor text changes

CLEAN VERSION - Label version (6) dated May 16, 2024

Page 1 of 12

<p><b>ACTIVE INGREDIENT:</b>  <i>Bacillus pumilus</i> strain PTB180<sup>†</sup> .....0.001%</p> <p><b>OTHER INGREDIENTS:</b> .....99.999%  Total.....100.000%</p> <p><sup>†</sup> Antecedent <i>Bacillus pumilus</i> strain GHA180</p> <p>* Contains not less than 5 X 10<sup>4</sup> viable spores per gram of medium</p>	<p><b>EPA Reg. No. 74267-4</b>  <b>EPA Establishment No. 74267-CAN-001/002/003/004</b></p>
<p>For identification of establishment number, refer to the manufacturing identification, which is ink-jet printed within side bar. This indicates year.month.day, manufacture location (1, 2, 3, 4, or 6), (optional text: military time and product identification. For example: 2022.01.15 2 02:45 BX or and military time. For example: 2022.01.15 2 02:45 or ,military time, product identification and product code. For example: 2022.01.15 2 02:45 BX XXXXX). Manufacturing locations are coded as:</p> <p><b>1:</b> for Rivière-du-Loup, Quebec – compressed products (EPA Establishment No. <b>74267-CAN-001</b>)  <b>2:</b> for Rivière-du-Loup, Quebec – loose fill products (EPA Establishment No. <b>74267-CAN-001</b>)  <b>3:</b> for Richer, Manitoba (EPA Establishment No. <b>74267-CAN-002</b>)  <b>4:</b> for Northal, Alberta (EPA Establishment No. <b>74267-CAN-003</b>)  <b>6:</b> for Rexton, New Brunswick (EPA Establishment No. <b>74267-CAN-004</b>)</p>	
<a href="http://www.pthorticulture.com">www.pthorticulture.com</a>	

Net weight	Volume
1.3 lb (0.6 kg) to 11.9 lb (5.4 kg) Loose fill	1 gal to 10 gal (4 to 38 liters) 0.1 cft to 1.3 cft
25 lb (11.3 kg)	2.8 cu ft loose (79 L)
60 lb (27.2 kg)	3.8 cu ft compressed (107 L)
870 lb (395 kg)	55 cu ft compressed (1,557 L)
535 lb (243 kg)	60 cu ft loose (1,700 L)
625 lb (283 kg)	70 cu ft loose (1,982 L)
710 lb (322 kg)	80 cu ft loose (2,265 L)
2,200 lb (998 kg)	135 cu ft compressed (3,825 L)

## PRODUCT OF CANADA

**Manufactured For and Guaranteed By:**  
**PREMIER TECH GROWERS AND CONSUMERS INC.**  
200 Kelly Road, Unit E-1  
Quakertown, PA 18951  
USA

**Manufactured By:**  
**PREMIER HORTICULTURE LTD.**  
1, avenue Premier  
Rivière-du-Loup, Québec  
G5R 6C1

Batch Code

(Back Panel)

#### FIRST AID

**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.
- Contact a poison control center or doctor for treatment advice.

#### HOT LINE NUMBER

Have the product container or label with you when calling a poison control center or doctor or going for treatment. For non-emergency information concerning this product, call the National Pesticide Information Center (NPIC) at 1-800-858-7378, Monday through Friday, 8:00 AM to 12:00 PM Pacific Standard Time (NPIC Web site: [www.npic.orst.edu](http://www.npic.orst.edu)). For medical emergencies, call your local poison control center at 1-800-222-1222.

#### PRECAUTIONARY STATEMENTS

**Hazards to Humans and Domestic Animals.**

**CAUTION:** Causes moderate eye irritation. Avoid contact with eyes or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet.

**Personal Protective Equipment (PPE):** Applicators (e.g., persons opening bags and/or filling potting machines) and other handlers must wear protective eyewear, a long-sleeved shirt, long pants, shoes, socks, and a minimum of a NIOSH-approved particulate filtering facepiece respirator with any N, R, or P filter; OR a NIOSH-approved elastomeric particulate respirator with any N, R, or P filter; OR a NIOSH-approved powered air-purifying respirator with an HE filter. (Repeated exposures to high concentrations of microbial proteins can cause allergic sensitization.).

Follow the manufacturer's instructions for cleaning/maintaining PPE. If no such instructions are available for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

#### USER SAFETY RECOMMENDATIONS

Users should:

- Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Remove PPE immediately after handling this product. As soon as possible, wash thoroughly and change into clean clothing.

**Environmental Hazards:**

For terrestrial uses, do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment washwater or rinsate.

## 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.

## AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR Part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE) and restricted-entry interval (REI). The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Given the pesticide active ingredient is already incorporated into a sphagnum peat-based growing medium, no restricted-entry interval (0 hours) is needed for this product.

## PRODUCT INFORMATION

**PRO-MIX® TANDEM** has been enriched with *Bacillus pumilus* strain PTB180 bacteria that colonize developing root systems and suppress disease-causing organisms, such as *Pythium*, *Fusarium* and *Rhizoctonia*, (optional text: and certain labeled insect pests, such as fungus gnats that attack root systems and thrips that pupate into the growing medium). As the root system develops, the bacteria grow within the rhizosphere and extend the protection throughout the growing season. (Optional text: The bacteria also act as a biostimulant and develop with the plant root system as it grows. As a result, a vigorous root system is established, which results in more uniform plant stands after transplanting.) In addition, the (optional text: *Glomus intraradices* or *Rhizophagus irregularis*) fungi contained in **PRO-MIX® TANDEM** attach to and colonize root systems, working in symbiosis with plants. Endomycorrhizal fungi benefit the host plant by increasing acquisition of water and nutrients (especially phosphorus, copper and zinc) by forming an extensive mycorrhizal hyphal network that attaches to the plant root system. In exchange, the plant provides soluble sugars to the fungus. (Optional text: This symbiotic relationship between fungi and plant results in overall improved plant growth.)

### OPTIONAL TEXT (SELECT ONE OR MORE FORMULATION)

PRO-MIX® TANDEM is a custom-blended growing medium designed to meet your growing needs.

PRO-MIX® TANDEM (ABN: PRO-MIX® BX BIOFUNGICIDE™ + MYCORRHIZAE™, PRO-MIX® BX FORTIFY™) is a general purpose, peat-based growing medium formulated for the cultivation of horticultural plants. Optional text: This growing medium contains a blend of select Canadian sphagnum peat moss, perlite, dolomitic limestone and calcitic limestone. This formulation is lightweight, is uniform and provides conditions necessary to establish plant growth.

PRO-MIX® TANDEM (ABN: PRO-MIX® NAX BIOFUNGICIDE™ + MYCORRHIZAE™, PRO-MIX® NAX FORTIFY™) is a peat-based growing medium formulated for the cultivation of horticultural greenhouse plants. It is uniform and blended to the highest degree of consistency to provide conditions necessary to establish plant growth. This formulation is suitable for a wide variety of plant species and for growing applications that do not require any mineral aggregate.

PRO-MIX® TANDEM (ABN: PRO-MIX® NAC BIOFUNGICIDE™ + MYCORRHIZAE™, PRO-MIX® NAC FORTIFY™) is a peat-based growing medium that is blended with coir for the cultivation of horticultural greenhouse plants. It is uniform and blended to the highest degree of consistency to provide conditions necessary to establish plant growth. This formulation is suitable for a wide variety of plant species and for growing applications that do not require any mineral aggregate.

PRO-MIX® TANDEM (ABN: PRO-MIX® HP® BIOFUNGICIDE™ + MYCORRHIZAE™, PRO-MIX® HP® FORTIFY™) is a high porosity, peat-based growing medium formulated for the cultivation of horticultural plants. This lightweight and porous growing medium provides conditions necessary to establish plant growth, especially when growing situations require a medium with high air capacity and low water retention. This formulation is excellent for use with water-sensitive crops, for propagation of plant cuttings and/or for low-light growing conditions.

PRO-MIX® TANDEM (ABN: PRO-MIX® HPCC BIOFUNGICIDE™ + MYCORRHIZAE™, PRO-MIX® HPCC FORTIFY™) is a coarse-textured, high porosity, peat-based growing medium that is blended with chunk coir. This combination of ingredients is ideal for potted crops and large containers when coarse texture and high drainage are required. This formulation is lightweight, uniform and suitable for a wide variety of horticultural plants.

PRO-MIX® TANDEM (ABN: PRO-MIX® LP15 BIOFUNGICIDE™ + MYCORRHIZAE™, PRO-MIX® LP BIOFUNGICIDE™ + MYCORRHIZAE™, PRO-MIX® LP15 FORTIFY™, PRO-MIX® LP FORTIFY™) is a multipurpose, peat-based, perlite growing medium formulated for growers that prefer a low amount of aggregate. This formulation is suitable for a wide range of greenhouse and transplanting applications.

PRO-MIX® TANDEM (ABN: PRO-MIX® MPX BIOFUNGICIDE™ + MYCORRHIZAE™, PRO-MIX® MPX FORTIFY™) is a peat-based growing medium formulated for the cultivation of horticultural greenhouse plants. It is uniform and blended to the highest degree of consistency to provide conditions necessary to establish plant growth. This formulation is suitable for a wide variety of plant species.

PRO-MIX® TANDEM (ABN: PRO-MIX® BRK BIOFUNGICIDE™ + MYCORRHIZAE™, PRO-MIX® BKI BIOFUNGICIDE™ + MYCORRHIZAE™, PRO-MIX® BRK FORTIFY™, PRO-MIX® BKI FORTIFY™) is a medium weight, peat/bark-based growing medium formulated for the cultivation of horticultural plants. Processed pine bark adds weight and reduces water retention of the medium, while sphagnum peat moss is lightweight and possesses high water-holding ability. This combination forms a base for a “general use” growing medium that provides the conditions necessary to establish plant growth, particularly when container stability and low water retention are required.

PRO-MIX® TANDEM (ABN: PRO-MIX® BRK20 BIOFUNGICIDE™ + MYCORRHIZAE™, PRO-MIX® BK BIOFUNGICIDE™ + MYCORRHIZAE™, PRO-MIX® BRK20 FORTIFY™, PRO-MIX® BK FORTIFY™) is a peat/bark-based growing medium with 20% processed pine bark to add weight and reduce water retention of the medium. This combination forms a base for a “general use” growing medium that provides the conditions necessary to establish plant growth when less bark is required.

PRO-MIX® TANDEM (ABN: PRO-MIX® FPX BIOFUNGICIDE™ + MYCORRHIZAE™, PRO-MIX® FPX FORTIFY™) is a fine peat, perlite-based growing medium formulated for germinating ornamental and vegetable seeds in small cell plug trays. It contains a base blend of short-fibered sphagnum peat moss and fine perlite for easy filling of trays with minimal bridging.

PRO-MIX® TANDEM (ABN: PRO-MIX® PGX BIOFUNGICIDE™ + MYCORRHIZAE™, PRO-MIX® PGX FORTIFY™) is a peat-based growing medium formulated for germinating ornamental and vegetable seeds. This fine-textured blend contains a base of short-fibered sphagnum peat moss and fine grade perlite and is well suited for traditional seeding and plug-system applications.

PRO-MIX® TANDEM (ABN: PRO-MIX® TA BIOFUNGICIDE™ + MYCORRHIZAE™, PRO-MIX® TA FORTIFY™) is a peat-based growing medium formulated for germinating and growing-on of tobacco and agriculture transplants. This blend is ideal for use with trays/flats cultivated in sub-irrigated float systems and irrigation methods. This fine-textured blend is user-friendly for filling small cell trays and flats with automated equipment or by hand.

PRO-MIX® TANDEM (ABN: PRO-MIX® LCT BIOFUNGICIDE™ + MYCORRHIZAE™, PRO-MIX® LCT FORTIFY™) is a peat-based and coarse perlite growing medium formulated for germinating and growing-on of fruit and vegetable transplants in large cell trays. This blend is ideal for use with trays/flats cultivated in sub-irrigated float systems and conventional irrigation methods.

PRO-MIX® TANDEM (ABN: PRO-MIX® VFT BIOFUNGICIDE™ + MYCORRHIZAE™, PRO-MIX® VFT FORTIFY™) is a peat-based growing medium formulated for germinating and growing-on of fruit, vegetable and tobacco transplants. This blend is ideal for use with trays/flats cultivated in sub-irrigated float systems and irrigation methods. (*Optional Text:* This formulation contains a blend of ingredients that allows oxygen and water to move freely for uniform seed germination and plant growth. This fine-textured blend is user-friendly for filling small cell trays and flats with automated equipment or by hand. USES: Fruit and Vegetable Transplants, Germination of Fruit ,Vegetable and Tobacco Seeds, Float Trays, Sub-Irrigation Systems).

PRO-MIX® TANDEM (ABN: PRO-MIX® BK25 BIOFUNGICIDE™ + MYCORRHIZAE™, PRO-MIX® BK25 FORTIFY™) is a medium weight growing medium designed for the cultivation of greenhouse horticultural crops in 4" pots or larger. The combination of processed southern pine bark, sphagnum peat moss and perlite make for a 'general purpose' application that provides good drainage and low water retention capacity.

PRO-MIX® TANDEM (ABN: PRO-MIX® BK55 BIOFUNGICIDE™ + MYCORRHIZAE™, PRO-MIX® BK55 FORTIFY™, PRO-MIX® BKH BIOFUNGICIDE™ + MYCORRHIZAE™, PRO-MIX® BKH FORTIFY™) is a medium weight growing medium designed for the cultivation of long-term greenhouse crops and perennials grown outdoors. The combination of processed pine bark, sphagnum peat moss and perlite make for a good air/water balance. The high percent of bark adds weight for container stability.

PRO-MIX® TANDEM (ABN: PRO-MIX® MPL BIOFUNGICIDE™ + MYCORRHIZAE™, PRO-MIX® MPL FORTIFY™) is a peat/perlite-based growing medium designed for plant production that needs lower initial pH or for growers that prefer a growing media with low initial pH. This formulation is suitable for a wide range of greenhouse and transplanting applications.

PRO-MIX® TANDEM (ABN: PRO-MIX® FVC BIOFUNGICIDE™ + MYCORRHIZAE™, PRO-MIX® FVC FORTIFY™) is a coarse-textured, high porosity, peat/perlite-based growing medium that is blended with (optional text: chunk) coir. This combination of ingredients is ideal for potted crops and large containers when coarse texture and high drainage are required. This formulation is lightweight, uniform and suitable for a wide variety of fruit and vegetable plants.

PRO-MIX® TANDEM (ABN: PRO-MIX® VX10 BIOFUNGICIDE™ + MYCORRHIZAE™, PRO-MIX® VX10 FORTIFY™, PRO-MIX® FVX BIOFUNGICIDE™ + MYCORRHIZAE™, PRO-MIX® FVX FORTIFY™) is a coarse-textured, high porosity, peat/perlite-based growing medium that is blended with coarse processed bark. This combination of ingredients is ideal for potted crops and large containers when coarse texture and high drainage are required. This formulation is lightweight, uniform and suitable for a wide variety of fruit and vegetable plants.

PRO-MIX® TANDEM (ABN: PRO-MIX® VX30 BIOFUNGICIDE™ + MYCORRHIZAE™, PRO-MIX® VX30 FORTIFY™, PRO-MIX® FVH BIOFUNGICIDE™ + MYCORRHIZAE™, PRO-MIX® FVH FORTIFY™) is a coarse-textured, high porosity, peat/perlite-based growing medium that is blended with coarse processed bark. This combination of ingredients is ideal for potted crops and large containers when coarse texture and high drainage are required. This formulation is lightweight, uniform and suitable for a wide variety of fruit and vegetable plants.



PRO-MIX® TANDEM (ABN: PRO-MIX® MGX BIOFUNGICIDE™ + MYCORRHIZAETM, PRO-MIX® MGX DEFEND™) is a fine grade, peat/coir-based growing medium that is ideal for the germination of herbs and vegetables in greenhouse trough and gutter systems. Its physical properties optimize the germination of seed and development of herb and vegetable seedlings. It is ideal for the applications that do not require any mineral aggregate.

PRO-MIX® TANDEM (ABN: PRO-MIX® NFX BIOFUNGICIDE™ + MYCORRHIZAETM, PRO-MIX® NFX FORTIFY™) is a fine peat based growing medium formulated for germinating ornamental and vegetable seeds in small cell plug trays. It contains 100% short-fibered sphagnum peat moss for easy filling of trays with minimal bridging and for growing applications that do not require any mineral aggregate.

#### OPTIONAL TEXT

To determine the best PRO-MIX® TANDEM blend for your growing needs, consult the following base-formula table. For technical assistance, plant compatibility information and crop culture guidelines, contact PREMIER GROWER SERVICES – USA: 1-800-424-2554 – Canada: 1-800-667-5366.

#### OPTIONAL TEXT

For information regarding the bag contents, please refer to the blend information printed directly on the side of the bag directly below the manufacturing date. The blend indicates the ingredient contained in the package as described below

#### OPTIONAL TABLE (SELECT ONE OR MORE FORMULATION)

LIST OF INGREDIENTS PER BLEND	
BX	• Sphagnum peat moss (75-85% by volume) • Perlite • (optional text: Ground limestone and dolomite (pH adjustment) or Ground limestone (pH adjustment) or Dolomite (pH adjustment) • Wetting Agent • Biofungicide ( <i>Bacillus pumilus</i> strain PTB180) • Mycorrhizae (Optional text: <i>Glomus intraradices</i> or <i>Rhizophagus irregularis</i> )
HP®	• Sphagnum peat moss (65-75% by volume) • Perlite • (optional text: Ground limestone and dolomite (pH adjustment) or Ground limestone (pH adjustment) or Dolomite (pH adjustment) • Wetting Agent • Biofungicide ( <i>Bacillus pumilus</i> strain PTB180) • Mycorrhizae (Optional text: <i>Glomus intraradices</i> or <i>Rhizophagus irregularis</i> )
HPCC	• Sphagnum peat moss (60-70% by volume) • Coir • Perlite • (optional text: Ground limestone and dolomite (pH adjustment) or Ground limestone (pH adjustment) or Dolomite (pH adjustment) • Wetting Agent • Biofungicide ( <i>Bacillus pumilus</i> strain PTB180) • Mycorrhizae (Optional text: <i>Glomus intraradices</i> or <i>Rhizophagus irregularis</i> )
FVC	• Sphagnum peat moss (60-70% by volume) • Coir • Perlite • (optional text: Ground limestone and dolomite (pH adjustment) or Ground limestone (pH adjustment) or Dolomite (pH adjustment) • Wetting Agent • Biofungicide ( <i>Bacillus pumilus</i> strain PTB180) • Mycorrhizae (Optional text: <i>Glomus intraradices</i> or <i>Rhizophagus irregularis</i> )
Optional text: LP15 or LP	• Sphagnum peat moss (85-95% by volume) • Perlite • (optional text: Ground limestone and dolomite (pH adjustment) or Ground limestone (pH adjustment) or Dolomite (pH adjustment) • Wetting Agent • Biofungicide ( <i>Bacillus pumilus</i> strain PTB180) • Mycorrhizae (Optional text: <i>Glomus intraradices</i> or <i>Rhizophagus irregularis</i> )
MPX	• Sphagnum peat moss (85-95% by volume) • Perlite • (optional text: Ground limestone and dolomite (pH adjustment) or Ground limestone (pH adjustment) or Dolomite (pH adjustment) • Wetting Agent • Biofungicide ( <i>Bacillus pumilus</i> strain PTB180) • Mycorrhizae (Optional text: <i>Glomus intraradices</i> or <i>Rhizophagus irregularis</i> )
Optional text: BRK or BKI	• Sphagnum peat moss (40-50% by volume) • (optional text: Processed Pine bark or Processed bark) • Perlite • (optional text: Ground limestone and dolomite (pH adjustment) or Ground limestone (pH adjustment) or Dolomite (pH adjustment) • Wetting Agent • Biofungicide ( <i>Bacillus pumilus</i> strain PTB180) • Mycorrhizae (Optional text: <i>Glomus intraradices</i> or <i>Rhizophagus irregularis</i> )
Optional text: BRK20 or BK	• Sphagnum peat moss (60-70% by volume) • (optional text: Processed Pine bark or Processed bark) • Perlite • (optional text: Ground limestone and dolomite (pH adjustment) or Ground limestone (pH adjustment) or Dolomite (pH adjustment) • Wetting Agent • Biofungicide ( <i>Bacillus pumilus</i> strain PTB180) • Mycorrhizae (Optional text: <i>Glomus intraradices</i> or <i>Rhizophagus irregularis</i> )
FPX	• Sphagnum peat moss (80-90% by volume) • Perlite • (optional text: Ground limestone and dolomite (pH adjustment) or Ground limestone (pH adjustment) or Dolomite (pH adjustment) • Wetting Agent • Biofungicide ( <i>Bacillus pumilus</i> strain PTB180) • Mycorrhizae (Optional text: <i>Glomus intraradices</i> or <i>Rhizophagus irregularis</i> )

PGX	• Sphagnum peat moss (75-85% by volume) • Perlite • (optional text: Ground limestone and dolomite (pH adjustment) or Ground limestone (pH adjustment) or Dolomite (pH adjustment) • Wetting Agent • Biofungicide ( <i>Bacillus pumilus</i> strain PTB180) • Mycorrhizae (Optional text: <i>Glomus intraradices</i> or <i>Rhizophagus irregularis</i> )
VFT	• Sphagnum peat moss (75-85% by volume) • Perlite • (optional text: Ground limestone and dolomite (pH adjustment) or Ground limestone (pH adjustment) or Dolomite (pH adjustment) • Wetting Agent • Biofungicide ( <i>Bacillus pumilus</i> strain PTB180) • Mycorrhizae (Optional text: <i>Glomus intraradices</i> or <i>Rhizophagus irregularis</i> )
TA	• Sphagnum peat moss (80-90% by volume) • Perlite • (optional text: Ground limestone and dolomite (pH adjustment) or Ground limestone (pH adjustment) or Dolomite (pH adjustment) • Wetting Agent • Biofungicide ( <i>Bacillus pumilus</i> strain PTB180) • Mycorrhizae (Optional text: <i>Glomus intraradices</i> or <i>Rhizophagus irregularis</i> )
MGX	• Sphagnum peat moss (75-85% by volume) • Coir • (optional text: Ground limestone and dolomite (pH adjustment) or Ground limestone (pH adjustment) or Dolomite (pH adjustment) • Wetting Agent • Biofungicide ( <i>Bacillus pumilus</i> strain PTB180) • Mycorrhizae (Optional text: <i>Glomus intraradices</i> or <i>Rhizophagus irregularis</i> )
NAX	• Sphagnum peat moss (95-100% by volume) • (optional text: Ground limestone and dolomite (pH adjustment) or Ground limestone (pH adjustment) or Dolomite (pH adjustment) • Wetting Agent • Biofungicide ( <i>Bacillus pumilus</i> strain PTB180) • Mycorrhizae (Optional text: <i>Glomus intraradices</i> or <i>Rhizophagus irregularis</i> )
LCT	• Sphagnum peat moss (80-90% by volume) • Perlite • (optional text: Ground limestone and dolomite (pH adjustment) or Ground limestone (pH adjustment) or Dolomite (pH adjustment) • Wetting Agent • Biofungicide ( <i>Bacillus pumilus</i> strain PTB180) • Mycorrhizae (Optional text: <i>Glomus intraradices</i> or <i>Rhizophagus irregularis</i> )
BK25	• Sphagnum peat moss (55-65% by volume) • (optional text: Processed Pine bark or Processed bark) • Perlite • (optional text: Ground limestone and dolomite (pH adjustment) or Ground limestone (pH adjustment) or Dolomite (pH adjustment) • Wetting Agent • Biofungicide ( <i>Bacillus pumilus</i> strain PTB180) • Mycorrhizae (Optional text: <i>Glomus intraradices</i> or <i>Rhizophagus irregularis</i> )
Optional text: BK55 or BKH	• (optional text: Processed Pine bark or Processed bark) (50-60% by volume) • Sphagnum peat moss • Perlite • (optional text: Ground limestone and dolomite (pH adjustment) or Ground limestone (pH adjustment) or Dolomite (pH adjustment) • Wetting Agent • Biofungicide ( <i>Bacillus pumilus</i> strain PTB180) • Mycorrhizae (Optional text: <i>Glomus intraradices</i> or <i>Rhizophagus irregularis</i> )
MPL	• Sphagnum peat moss (85-95% by volume) • Perlite • (optional text: Ground limestone and dolomite (pH adjustment) or Ground limestone (pH adjustment) or Dolomite (pH adjustment) • Wetting Agent • Biofungicide ( <i>Bacillus pumilus</i> strain PTB180) • Mycorrhizae (Optional text: <i>Glomus intraradices</i> or <i>Rhizophagus irregularis</i> )
NAC	• Sphagnum peat moss (70-80% by volume) • Coir • (optional text: Ground limestone and dolomite (pH adjustment) or Ground limestone (pH adjustment) or Dolomite (pH adjustment) • Wetting Agent • Biofungicide ( <i>Bacillus pumilus</i> strain PTB180) • Mycorrhizae (Optional text: <i>Glomus intraradices</i> or <i>Rhizophagus irregularis</i> )
Optional text: VX10 or FVX	• Sphagnum peat moss (85-95% by volume) • Processed bark • Perlite • (optional text: Ground limestone and dolomite (pH adjustment) or Ground limestone (pH adjustment) or Dolomite (pH adjustment) • Wetting Agent • Biofungicide ( <i>Bacillus pumilus</i> strain PTB180) • Mycorrhizae (Optional text: <i>Glomus intraradices</i> or <i>Rhizophagus irregularis</i> )
Optional text: VX30 or FVH	• Sphagnum peat moss (65-75% by volume) • Processed bark • Perlite • (optional text: Ground limestone and dolomite (pH adjustment) or Ground limestone (pH adjustment) or Dolomite (pH adjustment) • Wetting Agent • Biofungicide ( <i>Bacillus pumilus</i> strain PTB180) • Mycorrhizae (Optional text: <i>Glomus intraradices</i> or <i>Rhizophagus irregularis</i> )
NFX	• Sphagnum peat moss (95-100% by volume) • (optional text: Ground limestone and dolomite (pH adjustment) or Ground limestone (pH adjustment) or Dolomite (pH adjustment) • Wetting Agent • Biofungicide ( <i>Bacillus pumilus</i> strain PTB180) • Mycorrhizae (Optional text: <i>Glomus intraradices</i> or <i>Rhizophagus irregularis</i> )

#### OPTIONAL TEXT FOR STATE REGULATIONS

**(Optional text: CONTAINS OTHER NON-PLANT FOOD INGREDIENT(S) or CONTAINS NON-PLANT FOOD INGREDIENT(S))**

(Optional text: *Glomus intraradices* or *Rhizophagus irregularis*).....1 viable spore per gram of growing medium

**Expiration date:** Best when used within 12 months of the manufactured date (see manufacturing date on the packaging: yyyy.mm.dd).

## PREPARATION

### *OPTIONAL TEXT*

Open package at the time of seeding, potting or transplanting. Pre-moisten medium with water until slightly moist to the touch after emptying package. Transplant cuttings, plugs, seedlings, etc. in moistened medium taking care to avoid compaction (do not press down around seed or the root system). After transplanting, add water to settle medium. Place newly transplanted trays and pots in a suitable growing area within the protected growing environment. Potting benches and equipment should be located in a clean, weed-free area.

OR

Gently roll the grow bag to loosen any settled growing medium and place the bag upright. Place newly growing bag in a suitable environment within a clean, weed-free protected growing area. Open package at the time of seeding or transplanting. Add water until slightly moisten to the touch. Seed or transplant seedlings directly in moistened medium taking care to avoid compaction (do not press down around seed or the root system). After seeding or transplanting, add water to settle the medium.

OR

Gently roll the grow bag to loosen any settled growing medium and place the growing bag in a suitable environment within a clean, weed-free protected growing area. Open planting holes in the plastic at the time of seeding or transplanting. Add water until slightly moisten to the touch. Seed or transplant directly in moistened medium taking care to avoid compaction (do not press down around seed or the root system). After seedling or transplanting seedlings, add water to settle the medium.

### *OPTIONAL TEXT*

**IMPORTANT: PRO-MIX® TANDEM is suitable for ornamentals, vegetables, herbs, fruits, berries and tobacco. PRO-MIX® TANDEM** is for use in protected growing environments only (e.g. glasshouses, high tunnel greenhouse or greenhouses) and not for use in non-protected environments (e.g. non-contained nurseries or slat houses).

OR

**IMPORTANT: PRO-MIX® TANDEM** packaged in a grow bag is suitable for ornamentals, vegetables, fruits and can be used in protected growing environments use only (e.g. greenhouses or contained growing system))

OR

**IMPORTANT: PRO-MIX® TANDEM** is suitable for ornamentals, vegetables, fruits, and tobacco. **PRO-MIX® TANDEM** is for use in protected growing environments only (e.g. glasshouses or greenhouses) and not for use in non-protected environments (e.g. non-contained nurseries or slat houses).

OR

**IMPORTANT: PRO-MIX® TANDEM** package a grow bag is suitable for ornamentals, vegetables, small fruits. **PRO-MIX® TANDEM** packaged in a grow bag is for use in protected growing environments use (e.g. greenhouses or contained growing system)

## FERTILIZATION

### *OPTIONAL TEXT*

Initial plant development will occur without immediate fertilization. It is essential to initiate a fertilization program at the emergence of the first set of true leaves; this will ensure plants receive adequate nutrients. Select a fertilization program that is appropriate for the plant species grown, stage of development and water nutrient content. If you frequently analyze media nutrient levels and plant tissue throughout the production cycle, you can ensure plants receive proper nutritional requirements.

OR

Begin fertilization within 7 days after planting and maintain fertilizer applications throughout the course of crop production. The program selected should consider water nutrient content, crop type and stage of plant development. It is advisable to periodically analyze nutrient content of fertilizer solution, growing medium and plant tissue to ensure proper nutrient levels and growing medium pH are maintained throughout the crop cycle.

## WATER MANAGEMENT

### *OPTIONAL TEXT*

An essential part of crop culture is water management. When plants require water, irrigate the crop early in the day. This will allow plant foliage and medium surface to dry. Also, medium temperature can warm to normal level by evening. Irrigate thoroughly so water ‘runs through’ to prevent salt accumulation and to ensure uniform wetting and drying of containers throughout the crop. If preferred, additional wetting agent can be applied during the crop cycle at irrigation to reduce surface tension of water for more thorough water penetration and movement throughout the root zone.

OR

Proper irrigation is essential for successful crops. When plants require water, irrigate the crop early in the day. This will allow plant foliage and medium surface to dry and allow growing medium temperature to rise to ambient temperature by evening. Irrigate thoroughly so water “runs through” to prevent soluble salts accumulation and to ensure uniform wetting and drying of containers throughout the crop. If preferred, during crop cycle additional wetting agent can be applied at irrigation to reduce the surface tension of water for thorough water penetration and movement throughout the root zone.

## APPLICATION INFORMATION

- *OPTIONAL TEXT* :Use PRO-MIX® TANDEM “as is” from package. Pre-moisten medium with water until slightly moist to the touch after emptying package.
- *OPTIONAL TEXT* :Thoroughly moisten medium to “water-in” plants after transplanting and placing in the protected growing environment.
- *OPTIONAL TEXT* : Do not add fertilizers when sowing seeds.
- Use for plants requiring a growing pH between 5.0 and 7.0.

- Do not sterilize or pasteurize PRO-MIX® TANDEM.
- Do not store wet growing media, as pH will tend to climb from activation of limestone.
- Store products in sealed bags to avoid intrusion from water, pathogens, pesticides and weeds.
- Pesticides and chemical plant regulator treatments can be used in combination with PRO-MIX® TANDEM and will provide extended protection throughout the growing season.
- Rotate product inventory to practice 'First In – First Out'. Product performance is best when used within 12 months of manufacturing date (see manufacturing date on package: yyyy.mm.dd.).

Optional text: For technical assistance, contact GROWER SERVICES: 1 800 424-2554.

## STORAGE AND DISPOSAL

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

**PESTICIDE STORAGE:** Store in a dry place at ambient temperature: -22 to 86°F (-30 to 30°C).

**PESTICIDE DISPOSAL:** To avoid waste, use all material in this container by application according to label directions. If wastes cannot be avoided, offer remaining product to a waste disposal facility or pesticide disposal program (often such programs are run by state or local governments or by industry).

**CONTAINER HANDLING:** Nonrefillable container. Do not reuse or refill this container. Completely empty medium from the bag. Then offer for recycling if available or dispose of empty bag in a sanitary landfill or by incineration.

## QUALITY GUARANTEE

PREMIER TECH GROWERS AND CONSUMERS INC. **is committed to quality.** If you are not satisfied with the quality of this product, PREMIER TECH GROWERS AND CONSUMERS INC. guarantees to replace it or refund its purchase price. To the extent consistent with applicable law, all other remedies, liabilities, including liability for direct or consequential damages and warranties of merchantability and fitness for a particular purpose are excluded.

*OPTIONAL TEXT*



PLEASE RECYCLE

THIS PRODUCT RESPECTS ALL LEGISLATION ON HEAVY METALS

OR



PLEASE RECYCLE

RESPECTS ALL LEGISLATION ON HEAVY METALS

Information regarding the contents and levels of metals in this product is available on the Internet at <http://www.aapfco.org/metals.html> (for USA only).

OPTIONAL LOGO



or



SERVICES@PTHORTICULTURE.COM

Optional text: [www.pthorticulture.com](http://www.pthorticulture.com) or PTHORTICULTURE.COM

**PRODUCT OF CANADA**

**Manufactured For and Guaranteed By:**

PREMIER TECH GROWERS AND  
CONSUMERS INC.

200 Kelly Road, Unit E-1  
Quakertown, PA 18951 USA

**For additional information, call:**

1-800-525-2553

**Manufactured By:**

PREMIER HORTICULTURE LTD.

1, avenue Premier  
Rivière-du-Loup, Québec  
G5R 6C1 Canada

**For additional information, call:**

1-800-667-5366