

# PRO-MIX PGX WITH BIOFUNGICIDE



**PROFESSIONAL**  
PLUG AND GERMINATION GROWING MEDIUM  
WITH BIOFUNGICIDE FOR ORNAMENTAL  
AND VEGETABLE USE IN GREENHOUSES

**COMMERCIAL**  
KEEP OUT OF REACH OF CHILDREN  
**POTENTIAL SENSITIZER**  
**CAUTION- EYE IRRITANT**  
READ THE LABEL BEFORE USING  
See Additional Precautionary Statements on Back Panel

107 L  
(3.8 Cu. Ft.) Compressed

**GUARANTEE:**

*Bacillus subtilis* MBI 600 (contains a minimum  $1 \times 10^7$  colony forming unit per litre of media.... 0.001%

REGISTRATION No 28707  
PEST CONTROL PRODUCTS ACT

**BATCH NUMBER & MANUFACTURING DATE:** see side panel

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## PROFESSIONAL

### PRO-MIX PGX WITH BIOFUNGICIDE

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#### GENERAL INFORMATION

PRO-MIX PGX with Biofungicide, containing SUBTILEX® Biological Fungicide (active ingredient *Bacillus subtilis* MBI 600), reduces damping-off and root-rot diseases caused by *Pythium* spp. on a wide variety of ornamental plants, and vegetables with plug systems during germination and seedling development. The bacteria *Bacillus subtilis* MBI 600, colonizes the germinating seeds and developing root systems, and suppresses *Pythium* spp.

PRO-MIX PGX with Biofungicide is a peat-based professional growing medium designed for germination of ornamental and vegetable seeds with plug systems. The combination of short-fibered Sphagnum peat moss and plug-grade vermiculite form a lightweight, porous medium for plug and automated seedling production. PRO-MIX PGX with Biofungicide allows oxygen and nutrients to move freely for uniform germination and plant growth.

For technical assistance, plant compatibility information and crop culture guidelines, **contact PREMIER GROWER SERVICES – Canada: 1-800-667-5366.**

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#### DIRECTIONS FOR USE

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.

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#### PREPARATION

Open package at the time of seeding. Potting benches and equipment should be located in a clean, weed-free area. Add water to PRO-MIX PGX with Biofungicide until slightly moist to the touch. Select trays and flats that provide adequate drainage and fill completely with moistened medium, taking care not to compact PRO-MIX PGX with Biofungicide. **DO NOT PACK DOWN.** Compaction reduces air space and can adversely affect germination and seedling growth. Sow seeds according to seed packet directions and irrigate with water. Place newly sown trays in a suitable growing area and maintain air / medium temperatures that favor plant species grown. PRO-MIX PGX with Biofungicide is for use in protected growing environments only (e.g. glasshouse or greenhouse): not for use in non-protected environments (e.g. non-contained nurseries or slat houses).

#### FERTILIZATION

Initial plant development will occur without immediate fertilization. To ensure plants receive adequate nutrients, it is essential to initiate a fertilization program at the emergence of the first set of true leaves. The program selected should be appropriate for the plant species grown, stage of development and water nutrient content. It is advisable to frequently analyze media nutrient levels and plant tissue throughout the production cycle to insure plants receive proper nutritional requirements.

## **WATER MANAGEMENT**

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.

## **APPLICATION INFORMATION**

- Use PRO-MIX PGX with Biofungicide "as is" from package. Add water to moisten.
- Use for plants requiring a growing pH between 5.0 and 7.0.
- Thoroughly moisten medium to "water-in" plants after transplanting and placing in the greenhouse.
- Do not add fertilizers when sowing seeds.
- Do not sterilize or pasteurize PRO-MIX PGX with Biofungicide.
- 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 growth regulator treatments can be used in combination with PRO-MIX PGX with Biofungicide, and will provide additional protection throughout the growing season.

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## **PRECAUTIONS:**

**KEEP OUT OF REACH OF CHILDREN.** May cause sensitization. May irritate eyes. Avoid contact with skin, eyes or clothing. Avoid breathing dust. Wear a long-sleeved shirt, long pants, shoes plus socks, and waterproof gloves when handling or mixing/loading the product and during all cleanup/repair activities. A dust filtering mask and eye goggles must also be worn when bags are opened and/or potting machines are filled. Do not enter or allow worker entry into areas where such activities are performed during the restricted entry interval (REI) of 4 hours unless wearing appropriate personal protective equipment, including a long-sleeved shirt, long pants, shoes plus socks, waterproof gloves, a dust mask and eye goggles. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse.

## **ENVIRONMENTAL HAZARDS:**

**DO NOT** contaminate irrigation or drinking water supplies or aquatic habitats by cleaning of equipment or disposal of wastes. **DO NOT** allow effluent or runoff from greenhouses containing this product to enter lakes, streams, ponds or other waters. For guidance, contact the Provincial Regulatory Agency.

**User Safety Recommendations:** Users should wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.

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## **FIRST AID**

If swallowed: Rinse mouth and throat with copious amounts of water. Do not induce vomiting.

If on skin/clothing: Take off contaminated clothing. Wash with plenty of soap and water.

If inhaled: Move to fresh air.

If in eyes: Hold eye open and rinse slowly and gently with water. Remove contact lenses, if present, then continue rinsing eye.

General: Seek medical attention immediately if irritation or signs of toxicity occur and persist or is severe. Take container, label or product name and Pest Control Product Registration Number with you when seeking medical attention.

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## **TOXICOLOGICAL INFORMATION**

**Treat symptomatically.**

**STORAGE:** Store in a dry location away from direct sunlight. Material should be used within 9 months of the Date of Manufacture. To prevent contamination, store this product away from food or feed.

### **DISPOSAL:**

Do not reuse this container for any purpose. This is a recyclable container, and is to be disposed of at a container collection site. Contact your local distributor/dealer or municipality for the location of the nearest collection site. Before taking the container to the collection site:

- 1 Triple- or pressure-rinse the empty container. Dispose of the rinsings in accordance with provincial requirements.
- 2 Make the empty, rinsed container unsuitable for further use.

If there is no container collection site in your area, dispose of the container in accordance with provincial requirements.

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.

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**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. The user assumes the risk to persons or property that arises from any such use of this product.

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## **QUALITY GUARANTEE**

**PREMIER HORTICULTURE** is committed to quality. If for any reason you are not completely satisfied with the quality of this product, you may return this package to the seller

and PREMIER HORTICULTURE guarantees to replace it or refund its purchase price, at your choice. As usual with similar products, all other remedies and liabilities including, liability for direct or consequential damages, warranties of merchantability and fitness for a particular purpose are excluded.

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PLEASE RECYCLE  
PRODUCT OF CANADA

Subtilex™ is a registered trademark of / and the strain of *Bacillus subtilis* is a product of Becker Underwood, Inc.

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