PREMIER TECH

PROMIX



2023 **A YEAR TO CELEBRATE**



100 YEARS, AND BEYOND

This year marks a significant milestone in our history: the 100th anniversary of Premier Tech. With tomorrow in mind, Premier Tech is 100 years young and always making a difference with passion.

Premier Tech is a leader in the innovation of quality growing media products for edible, floriculture, and nursery crops. Thanks to its numerous manufacturing facilities and vast distribution network, products are offered from coast to coast, throughout North America.

PRC-MIX

A LEADING BRAND FOR 55 YEARS

Since its launch in 1968, PRO-MIX® has provided commercial growers and consumers with cutting-edge and value-added growing media products. Enhanced with high-performance, reliable active ingredients, PRO-MIX° growing media are considered a market reference, representing innovative and unique solutions. Fine-tuned for growers who seek efficiency, superior plant quality, disease suppression, and resistance to environmental stresses, PRO-MIX® optimizes results.

PRO-MIX® improves crop performance by bringing life into the plant root zone with natural active ingredients. Its distinctive solutions incorporate biostimulants and biocontrols that enrich growing media and fortify plants in an ecological and responsible manner.

OUR COMMITMENT

Our promise since 1923: being a reliable partner and creating value for our clients. We reaffirm this commitment to collaborate with growers and distributors for the next 100 years, and beyond.

By using our ability to innovate and by paying careful attention to the growers' needs, it has always been essential for us to incorporate something unique in both our products, and the services we offer.

PRO-MIX® COMPARATIVE CHART

		ACTIV	ACTIVE INGREDIENT RECOMMENDED		RECOMMENDED	PRIMARY INGREDIENTS		TEXTURE MOISTURE	MOISTURE	WEIGHT	PAGE
		M	B	CONTAINER SIZE	SPHAGNUM PEAT MOSS	PROCESSED PINE BARK	12/11/01/12	RETENTION			
GENERAL	вх	✓	✓		cell packs to hanging baskets	75-85%		М	МН	l	6
PURPOSE	LP15				cell packs to hanging baskets	80-90%		М	МН	l	6
HIGH	HP®	✓	✓		large cell packs to large pots	65-75%		C	М	l	7
POROSITY	НРСС	√	✓		4" and larger	65-75%		C	Н	l	7
PLUG AND Germination	FPX [®]			✓	plug and seeding trays	80-90%		F	МН	L	8
	FPO [®]			✓	plug and seeding trays	60-70%		F	L	l	8
ORGANIC GROWING	MP	✓	✓		cell packs and larger	60-70%		М	Н	l	9
	HPO [®]	✓			large cell packs to large pots	55-65%		C	М	l	9
PEAT/BARK-BASED	BRK	✓	✓		4" and larger	40-50%	35-45%	C	ML	Н	10
MEDIA WITH PERLITE FROM CANADA	BRK20	✓	√		large cell packs, small pots to hanging baskets	60-70%	15-25%	MC	МН	М	10
PEAT/BARK-BASED	BK25 *		✓		cell packs and larger pots	50-60%	20-30%	MC	МН	М	11
MEDIA WITH PERLITE US MARKET	BK55 * ³		✓		6" and larger	25-35%	50-60%	C	L	Н	11

LEGEND

ACTIVE INGREDIENTS	TEXTURE	MOISTURE RETENTION/WEI
BIO-FUNGICIDE™ / BIOSTIMULANT MYCORRHIZAE™ BIOFUNGICIDE™ / BIOSTIMULANT + MYCORRHIZAE™	F: Fine M: Medium MC: Medium-Coarse C: Coarse	H: High MH: Medium-High M: Medium ML: Medium-Low L: Low

APPROVED FOR ORGANIC USE







* Product only available in Eastern US.

^{*} Some product sizes are available in generic bags.



Consult your sales representative for more information.

MEGA BALE

The MEGA BALE is a 135 cu. ft. compressed bale, the largest package size on the market. It is a sealed plastic package that is airtight and waterproof to protect contents.

110 cu. ft. size available. Ask your sales representative for more information.

ACCESS THE ONLINE TOOLBOX





ACTIVE INGREDIENTS WORK TOGETHER TO ENHANCE PLANT PERFORMANCE, QUALITY AND YIELD

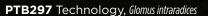
Backed by 40 years of expertise in biological active ingredients, Premier Tech masters a unique large-scale manufacturing process in aseptic laboratories that meets the highest quality control standards, allowing you to fully benefit from the added value integrated into PRO-MIX®. Proven consistency of viable spores, no contamination and reliable active ingredients. It's how we make a difference.











Mycorrhizae are beneficial associations between a mycorrhizal fungus and roots. Mycorrhizal spores germinate in the growing medium and produce filaments (hyphae) which will enter into root cells. This association allows the formation of an intra and extra-radical network of filaments that will explore the soil and access more nutrients and water, and transfer them to the plant.

- **SECTION 2** EXPAND ROOT SYSTEM GROWTH
- **SECTION STATE OF ST**
- **SOLUTION INCREASE TOLERANCE TO ABIOTIC STRESSES**
- **STATE OF THE PROOF OF THE PROO**

PTB180 Technology, Bacillus pumilus

Bacillus is a bacterium that produces an antibiotic which helps suppress root rot diseases caused by Fusarium, Pythium and Rhizoctonia. It also secretes biostimulant molecules (auxins) to form a biofilm around the root system that ensures its protection.

- ACCELERATES SEED
 CERMINATION & BLA
- GERMINATION & PLANT ESTABLISHMENT
- **♥** REDUCES NEED FOR FUNGICIDE DRENCHES
- STRENGTHENS PLANT DISEASE RESISTANCE



The use of fertilizer and water. Increase resistance to stresses. Improve plant strength and productivity. Optimize plant growth rate and uniformity.



By reducing incidence of plant root diseases (Fusarium Pythium and Rhizoctonia) and risk of pathogens that develop resistance to chemical fungicides.



Certain insects, including fungus gnats and thrips that pupate into the growing media, by suppressing their food sources and plant susceptibility.





Exclusive to US, PRO-MIX® BIOFUNGICIDE™ + MYCORRHIZAE™, ENHANCE plant growth with MYCORRHIZAE™, PROTECT against root diseases caused by specific root pathogens, and also SUPPRESS fungus gnats and thrips. (EPA Reg #: 74267-4) Product availability may vary depending on the US region.



BX **GENERAL PURPOSE**

PRO-MIX® BX is the solution for growers seeking to benefit from perlite's drainage and aeration capabilities. Combined with high-quality fibrous peat moss, this formulation is ideal for growers looking for a general purpose medium which creates a well-balanced growing environment.

INGREDIENTS:

- Canadian Sphagnum peat moss (75-85% by volume)
- Perlite horticultural grade
- Calcitic and dolomitic limestone (pH adjuster)
- Wetting agent

CHOICE OF ACTIVE INGREDIENTS:

BIOFUNGICIDE™ / BIOSTIMULANT + MYCORRHIZAE™



BIOFUNGICIDE™ + MYCORRHIZAE™**	BIOSTIMULANT* + MYCORRHIZAE***	MYCORRHIZAE™	REGULAR	SIZE	UNITS PER PALLET
1028500RG	1028700RG	10281RG	10280RG	2.8 cu. ft. Loose	57
1038500RG	1038700RG	10381RG	10380RG	3.8 cu. ft. Comp.	30
1080500RG	1080700RG	10801RG	10800RG	80 cu. ft. Loose	2
1135500RG	1135700RG	11351RG	11350RG	135 cu. ft. Comp.	1

See product web page



*BIOSTIMULANT is only available in Canada. **PRO-MIX® BX® BIOFUNGIDE™ + MYCORRHIZAE™ and PRO-MIX® BX® BIOSTIMULANT + MYCORRHIZAE™ contain vermiculite.



LP15 MULTI-PURPOSE

Designed to provide good water retention and flexibility for multiple purposes, PRO-MIX® LP15 is a growing medium formulated with a blend of fibrous peat moss and coarse perlite.

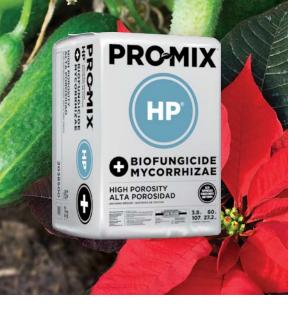
INGREDIENTS:

- Canadian Sphagnum peat moss (80-90% by volume)
- Perlite horticultural grade
- Calcitic and dolomitic limestone (pH adjuster)
- Wetting agent

REGULAR	SIZE	UNITS PER PALLET
60280RG	2.8 cu. ft. Loose	57
60380RG	3.8 cu. ft. Comp.	30
60800RG	80 cu. ft. Loose	2
61350RG	135 cu. ft. Comp.	1



See product



HP® HIGH POROSITY

With its high perlite content, PRO-MIX® HP® provides a porous environment for growers wanting high air porosity, low water retention and good drainage. The added benefit of fibrous peat moss and coarse perlite makes this formulation ideal for growers who require a superior-quality product adapted to their needs for watering flexibility and crop seasonality.

INGREDIENTS:

- Canadian Sphagnum peat moss (65-75% by volume)
- Perlite horticultural grade
- Calcitic and dolomitic limestone (pH adjuster)
- Wetting agent

CHOICE OF ACTIVE INGREDIENTS:

BIOFUNGICIDE™ / BIOSTIMULANT + MYCORRHIZAE™

MYCORRHIZAE™

BIOFUNGICIDE™ + MYCORRHIZAE™	BIOSTIMULANT* + MYCORRHIZAE™	MYCORRHIZAE TH	SIZE	UNITS PER PALLET
2028500RG	-	20281RG	2.8 cu. ft. Loose	57
2038500RG	2038700RG	20381RG	3.8 cu. ft. Comp.	30
2080500RG	-	20801RG	80 cu. ft. Loose	2
2135500RG	2135700RG	21351RG	135 cu. ft. Comp.	1



CHOICE OF ACTIVE INGREDIENTS:

MYCORRHIZAE™

BIOFUNGICIDE™ / BIOSTIMULANT + MYCORRHIZAE™

*BIOSTIMULANT is only available in Canada.



HPCC HIGH POROSITY CHUNK COIR

For growers seeking high water retention, drainage and good air porosity, PRO-MIX® HPCC is the solution. A quality blend of fibrous Spagnum peat moss, unique chunk coir and perlite. The chunk coir, which resists compaction and holds water for plant roots to access, is combined with peat moss and perlite to form a growing medium that promotes plant growth and root development.

INGREDIENTS:

- Canadian Sphagnum peat moss (65-75% by volume)
- Chunk coir
- Perlite horticultural grade
- Calcitic and dolomitic limestone (pH adjuster)
- Wetting agent

BIOFUNGICIDE™ + MYCORRHIZAE™	BIOSTIMULANT* + MYCORRHIZAE™	MYCORRHIZAE™	SIZE	UNITS PER PALLET
2028530RG	-	2028130RG	2.8 cu. ft. Loose	57
2038530RG	2038730RG	2038130RG	3.8 cu. ft. Comp.	30
2080530RG	-	2080130RG	80 cu. ft. Loose	2
2135530RG	2135730RG	2135130RG	135 cu. ft. Comp.	1

See product

*BIOSTIMULANT is only available in Canada. Some product sizes are available in generic bags.



FPX PLUG AND GERMINATION

Providing an optimized growing environment is fundamental, especially when it comes to plugs and seed germination. Quality plugs and seedlings are essential for the success of future crops. PRO-MIX® FPX BIO-FUNGICIDE™ is well adapted for water-sensitive crops by providing low water retention levels and good air porosity for developing seedlings. BIO-FUNGICIDE™ is included to suppress root pathogens (*Fusarium, Pythium* and Rhizoctonia) that cause root diseases.

INGREDIENTS:

- Canadian Sphagnum peat moss short fiber (80-90% by volume)
- Perlite plug grade
- Calcitic and dolomitic limestone (pH adjuster)
- Wetting agent

CHOICE	OF A	CTIVE	INGRE	DIENTS:

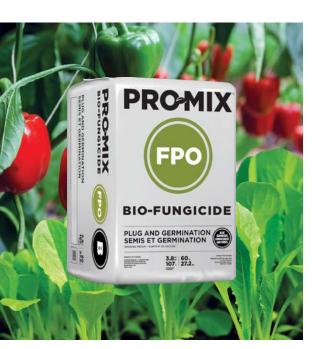
BIO-FUNGICIDF™

S	BIOSTIMULANT
---	--------------

B BIO-FUNGICIDE™	S BIOSTIMULANT*	SIZE	UNITS PER PALLET
40282RG	40283RG	2.8 cu. ft. Loose	57
40382RG	40383RG	3.8 cu. ft. Comp.	30
40802RG	-	80 cu. ft. Loose	2
41352RG	41353RG	135 cu. ft. Comp.	1

*BIOSTIMULANT is only available in Canada. Some product sizes are available in generic bags.





FPO FOR ORGANIC USE

PRO-MIX® FPO is a fine grade peat/coir-based growing medium with fine perlite that is ideal for the germination of herbs and vegetables. Its physical properties provide favorable conditions for germination of seeds and development of herb and vegetable seedlings used as transplants for container or field production. PRO-MIX® FPO provides the perfect solution for growers who require a growing medium approved for organic use. It is well adapted for water sensitive crops as it provides developing seedlings with low water retention levels and good air porosity.

INGREDIENTS:

- Canadian Sphagnum peat moss short fiber (60-70% by volume)
- Coir horticultural grade
- Perlite plug grade
- Calcitic limestone (pH adjuster)
- · Wetting agent

CHOICE OF ACTIVE INGREDIENTS:





ELIGIBLE FOR ORGANIC USE:**





See product

B BIO-FUNGICIDE™	S BIOSTIMULANT*	REGULAR	SIZE	UNITS PER PALLET
-	4028323RG	-	2.8 cu. ft. Loose	
4038223RG	-	4038023RG	3.8 cu. ft. Comp.	30
-	4055323RG	4055023RG	55 cu. ft. Comp.	
4135223RG	-	4135023RG	135 cu. ft. Comp.	1

*BIOSTIMULANT is only available in Canada. Some product sizes are available in generic bags.



MP ORGANIK™

FOR ORGANIC USE

The solution for growers in need of a growing medium approved for organic use that delivers well-balanced air/water qualities. This formulation is ideal for a variety of growing uses and is designed to meet crop requirements for certified organic growers. Enriched with active ingredients, this growing medium will improve the overall growth and yields of your crops, as well as increase your plants' resistance to environmental stresses and suppress root pathogens (Fusarium, Pythium and Rhizoctonia) that cause root diseases.

INGREDIENTS:

- Canadian Sphagnum peat moss (60-70% by volume)
- Coir horticultural grade
- Perlite horticultural grade
- Calcitic limestone (pH adjuster)
- Wetting agent

CHOICE OF ACTIVE INGREDIENTS:

BIOFUNGICIDE™ / BIOSTIMULANT + MYCORRHIZAE™

MYCORRHIZAE™

ELIGIBLE FOR ORGANIC USE*:**







BIOFUNGICIDE™ + MYCORRHIZAE™	BIOSTIMULANT* + MYCORRHIZAE™	MYCORRHIZAE TH	SIZE	UNITS PER PALLET
8028503RG	8028703RG	8028103RG	2.8 cu. ft. Loose	57
8038503RG	8038703RG	8038103RG	3.8 cu. ft. Comp.	30
8080503RG	_	-	80 cu. ft. Loose	2
8135503RG	8135703RG	8135103RG	135 cu. ft. Comp.**	1

See product web page



^{***}PRO-MIX® MP ORGANIK™ MYCORRHIZAE™ and PRO-MIX® MP BIOFUNGICIDE™ + MYCORRHIZAE™ are OMRI Listed and are registered organic input materials by CDFA... PRO-MIX® MP ORGANIK™ MYCORRHIZAE™ and PRO-MIX® MP BIOSTIMULANT + MYCORRHIZAE™ are approved for organic use by QcVrai.



HPO

FOR ORGANIC USE

PRO-MIX® HPO has a high perlite content and is a porous growing medium approved for organic use. It has been created for organic growers looking for increased air porosity, low water retention, and high drainage capacity. Formulated with fibrous Sphagnum peat moss, it is the ideal solution for growers who want to use a superior product that suits their watering practices and crop seasonality.

INGREDIENTS:

- Canadian Sphagnum Peat Moss (55-65% in volume)
- Perlite horticultural grade
- Coir
- Calcitic limestone (pH adjuster)
- · Wetting agent

ACTIVE INGREDIENTS:



ELIGIBLE FOR ORGANIC USE:**



BIOFUNGICIDE™ + MYCORRHIZAE™	BIOSTIMULANT* + Mycorrhizae™	SIZE	UNITS PER PALLET
2038523RG	2038723RG	3.8 cu. ft. Comp.	30

*BIOSTIMULANT is only available in Canada. Some product sizes are available in generic bags.

**PRO-MIX® HPO BIOFUNGICIDE™ + MYCORRHIZAE™ is OMRI Listed. PRO-MIX® HPO BIOSTIMULANT - MYCORRHIZAE™ contains only substances that appear on the Organic Production Systems Permitted Substances Lists and may be suitable for use in organic agriculture. Please consult your authorized organic Certification Body for further information.



^{**} PRO-MIX® FPO is OMRI Listed and is registered organic input materials by CDFA. PRO-MIX® FPO BIOSTIMULANT contains only substances that appear on the Organic Production Systems Permitted Substances Lists and may be suitable for use in organic agriculture. Please consult your authorized organic Certification Body for further information.



BRK LOW WATER RETENTION

Formulated with a base of Sphagnum peat moss, processed pine bark and coarse perlite, PRO-MIX® BRK is well suited for growers who require low water retention and frequent dry down periods for their crops. Ideal for outdoor growing conditions subject to variable weather conditions and challenging growing environments. PRO-MIX® BRK is carefully designed for high container stability and consistent, predictable results.

INGREDIENTS:

- Canadian Sphagnum peat moss (40-50% by volume)
- Processed red pine bark (35-45% by volume) coarse — screened at 1/2"
- Perlite horticultural grade
- Calcitic and dolomitic limestone (pH adjuster)

CHOICE OF ACTIVE INGREDIEN	ENTS:
-----------------------------------	-------

BIOFUNGICIDE™ + MYCORRHIZAE™

MYCORRHIZAE™











MYCORRHIZAE™

5028125RG

5060125RG

*Available in bulk.

BK25

MEDIUM WATER RETENTION

EXCLUSIVE TO EASTERN UNITED STATES

PRO-MIX® BK25 is a medium weight growing medium designed for the cultivation of greenhouse horticultural crops. The combination of processed pine bark, Sphagnum peat moss and perlite makes for a general-purpose product that provides good drainage and medium water retention capacity.

INGREDIENTS:

• Canadian Sphagnum peat moss (50-60% by volume)



ACTIVE INGREDIENT:

- Processed southern pine bark (20-30% by volume) coarse — screened at 1/2"
- Perlite horticultural grade
- Dolomitic limestone (pH adjuster)
- Wetting agent

5060025RG

REGULAR*	SIZE	UNITS PER PALLET
5028025RG	2.8 cu. ft. Loose	48

60 cu. ft. Loose

See product

⊕BIOFUNGICIDE MYCORRHIZAE

PEAT/BARK BASED
BASADO EN TURBA DE MUSGO/
CORTEZA DE PINO PROCESADA

BRK20

MEDIUM WATER RETENTION

PRO-MIX® BRK20 is a medium weight growing medium that offers flexibility for growers. Combining the qualities of processed pine bark, professional-grade Sphagnum peat moss and perlite, PRO-MIX® BRK20 creates a favorable root zone environment that is suitable for greenhouse and perennial crops grown in medium-size containers.

INGREDIENTS:

- Canadian Sphagnum peat moss (60-70% by volume)
- Processed red pine bark (15-25% by volume) coarse — screened at 1/2"
- Perlite horticultural grade
- Calcitic and dolomitic limestone (pH adjuster)
- · Wetting agent

CHOICE OF ACTIVE INGREDIENTS:



BIOFUNGICIDE™ + MYCORRHIZAE™

MYCORRHIZAE™



BK55

LOW WATER RETENTION

EXCLUSIVE TO EASTERN UNITED STATES

PRO-MIX® BK55 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 makes for a good air/water balance. The high percentage of bark adds weight, which is perfect for growers looking for container stability.

INGREDIENTS:

ACTIVE INGREDIENT: MYCORRHIZAE™

• Processed southern pine bark (50-60% by volume) coarse — screened at 1/2"

• Canadian Sphagnum peat moss (25-35% by volume)

- Perlite horticultural grade
- Dolomitic limestone (pH adjuster)
- · Wetting agent

MYCORRHIZAE™	REGULAR*	SIZE	UNITS PER PALLET
5028155RG	5028055RG	2.8 cu. ft. Loose	42
5060155RG	5060055RG	60 cu. ft. Loose	2

Some product sizes are available in generic bags.

M MYCORRHIZAE™ REGULAR SIZE **UNITS PER PALLET** 50281RGLB 50280RGLB 5028540RG 2.8 cu. ft. Loose 48 5060540RG 50600RGLB 60 cu. ft. Loose



See product





PROMIX Always expect QUALITY CONSISTENCY

Consistent growing media with reliable biological active ingredients at your service, this is our promise to growers all over North America.

SERVICE

Choosing the PRO-MIX® brand for your plants means choosing a company which, over the years, has proven to deliver consistency, innovation and support to growers.

We are committed to delivering a wide range of adapted products. to always go the extra mile to provide the best service in the industry, and to develop new products and technologies through research.

LET US SHOW YOU

WHAT OUR PRODUCTS CAN DO TO GROW YOUR BUSINESS PROFITABLY.



OPTIMIZE YOUR PRODUCTION

Better utilization of resources

Save time and labour



GET HIGHER YIELDS

Better quality crops

Decreased mortality rates

Longer shelf-life



SAVE MONEY

Reduce the need for drenches

Optimize the use of fertilizer

COMPLETE THE FORM TO QUALIFY FOR YOUR PRO-MIX® DEMONSTRATION

AND SEE HOW OUR READY-MADE GROWING MEDIA WITH ACTIVE INGREDIENTS CAN MAKE A DIFFERENCE FOR YOU (AVERAGE VALUE OF \$5000*)

> **ACCESS MORE INFORMATION**



INNOVATION IN GROWING MEDIA

EXPERTISEIN BIOLOGICALS

year OF EXPERTISE IN ACTIVE INGREDIENTS In 1983, we celebrated the opening of our Research Centre in Rivière-du-Loup, the most extensive research facility solely dedicated to advancing biotechnologies associated

with growing media. This approach led us to the creation of an innovative technological platform for the aseptic production of mycorrhizal inoculants on an industrial scale. Since then, our biotechnology portfolio expanded with the addition of Bacillus to our PRO-MIX' product line. And it's not over... we are constantly working to continue to develop sustainable solutions to help feed the growing global population and beautify the world around us.

THE HIGHEST QUALITY CANADIAN SPHAGNUM PEAT MOSS

At Premier Tech, we use a unique approach to peat moss gradation and selection. Our specific harvesting techniques guarantee rigorous weight and quality control, that ensures consistency and outstanding uniformity in the final product while setting a high standard for the industry.

A VALUABLE RESOURCE

Sphagnum peat moss is an important component of growing media, and the peatlands it comes from must be managed in a responsible way. Our sustainable management of this valuable resource ensures a long-term supply for our customers and for future generations.

A GLOBAL COMMITMENT TO THE ENVIRONMENT

Premier Tech subscribes to the rational use of natural resources to do its share in terms of sustainable development. To minimize the impact of our activities, we comply with the industry's best environmental practices.

- √ A North American pioneer in peat bog restoration
- √ A dedicated team focused on sustainable peatland management
- √ Energy reduction programs in place



Premier Tech's peat moss comes from bogs that are certified under the Veriflora - Responsibly Managed Peatlands® Program. This certification ensures the application of good management principles in all

aspects of sustainable development. The criteria include environmental assessment, social engagement and product quality.





PEOPLE AND TECHNOLOGIES MAKING A DIFFERENCE

At Premier Tech, we are all about making a difference by connecting People and Technologies for now 100 years. One team driven by a shared will to deliver sustainable solutions that help feed, protect and improve our world. Premier Tech has a wide range of products, services, brands and technologies allowing to increase crop yields, bring beautiful gardens to life, automate the handling and packaging operations of many manufacturing facilities, treat and recycle water, support companies in their digital transformation and offer bio-ingredients for the well-being of humans and animals.







PT Growers and Consumers

World Headquarters 1 avenue Premier Campus Premier Tech Rivière-du-Loup (Québec) G5R 6C1 CANADA

F. 418 862-6642

Regional Office 200 Kelly Rd Unit E-1 Quakertown PA 18951 **United States**

T 1800 525-2553 F. 215 529-1288









PTHORTICULTURE.COM

CUSTOMER SERVICE: 1800 667-5366 GROWER SERVICES: 1800 424-2554 services@pthorticulture.com