PREMIER TECH

PRO-MIX®

AGTIV®



2025 · 2026

PROFESSIONAL PRODUCT CATALOG

PREMIER TECH

LEGACY AND INNOVATION

Combining a century of expertise with 40 years of innovation, we deliver trusted solutions that ensure your success. When you thrive, we all move forward.

Our Vision

We provide science-backed solutions to help you meet today's demands and future goals. Our commitment to Innovation, Research and Development (IR&D) ensures top performance, consistency, and long-term value.



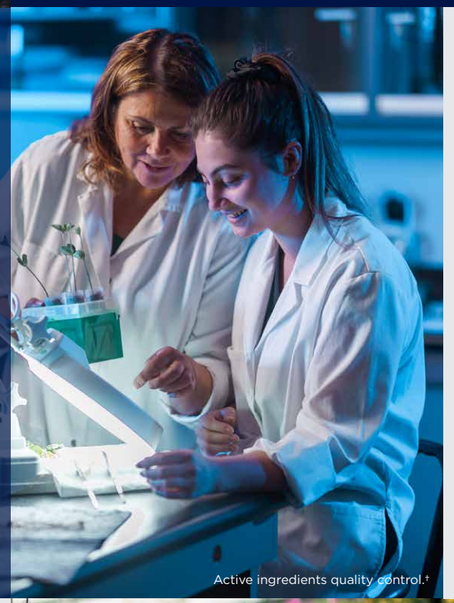
1923: Premier Tech begins its journey in the Sphagnum peat moss market.

Leading Biotechnologies

Since 1983, we've been pioneering biological ingredients for growing media. Our research center and industrial-scale production ensure your crops are healthy and uniform.

Integrated Biological Solutions

With PRO-MIX® AGTIV®, our biostimulants and biocontrols come within your growing media to enhance plant resilience and performance. Get consistency, reliability, and superior plant development with every product.

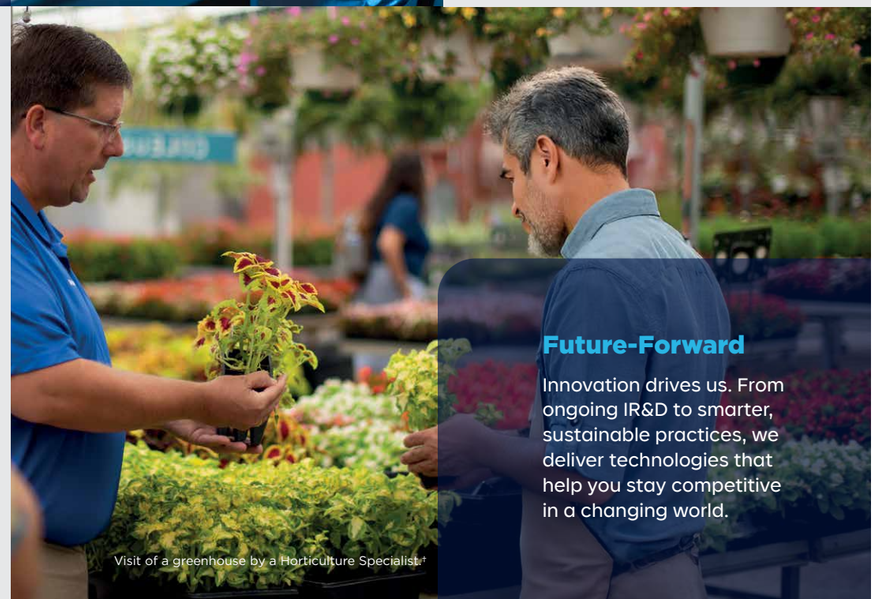

Active ingredients quality control.†

Precision Sourcing and Manufacturing

From peat to coir, to bark, every material is meticulously chosen to meet our high standards. Our advanced production methods ensure consistent quality and sustainable practices year after year.

Expert Support

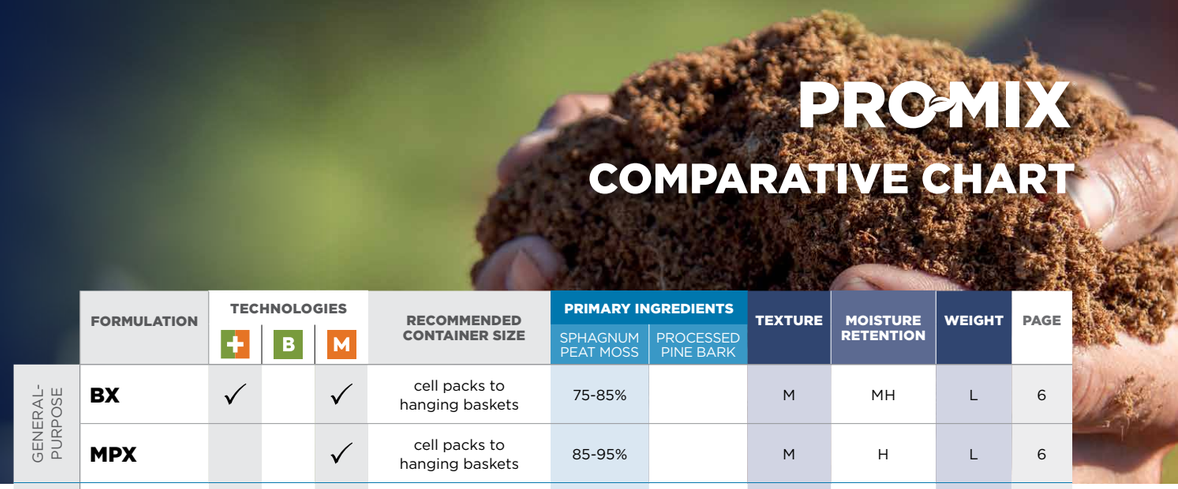
The Grower Services team is here to help you tackle challenges and optimize results. We provide practical, hands-on support and the knowledge you need to make confident decisions.


Visit of a greenhouse by a Horticulture Specialist.†

Future-Forward

Innovation drives us. From ongoing IR&D to smarter, sustainable practices, we deliver technologies that help you stay competitive in a changing world.

† Source: Premier Tech Ltd.



PRO-MIX COMPARATIVE CHART

	FORMULATION	TECHNOLOGIES			RECOMMENDED CONTAINER SIZE	PRIMARY INGREDIENTS		TEXTURE	MOISTURE RETENTION	WEIGHT	PAGE
		+	B	M		SPHAGNUM PEAT MOSS	PROCESSED PINE BARK				
GENERAL-PURPOSE	**BX**	✓		✓	cell packs to hanging baskets	75-85%		M	MH	L	6
	MPX			✓	cell packs to hanging baskets	85-95%		M	H	L	6
HIGH POROSITY	**HP®**	✓		✓	large cell packs to large pots	65-75%		C	L	L	7
	HPCC ❁	✓		✓	4″ and larger	65-75%		C	H	L	7
PLUG AND GERMINATION	**FPX**		✓		plug and seeding trays	80-90%		F	MH	L	8
ORGANIC GROWING	**FPO**		✓		plug and seeding trays	60-70%		F	M	L	8
	MPO ❁	✓		✓	cell packs and larger	60-70%		M	H	L	9
	HPO	✓			large cell packs to large pots	55-65%		C	L	L	9
PEAT/BARK WITH PERLITE	**BK**	✓		✓	large cell packs, small pots to hanging baskets	60-70%	20-25%	MC	M	M	10
	BKI ❁			✓	4″ and larger	40-50%	35-45%	C	ML	H	10
	BKH * ❁			✓	6″ and larger	25-35%	50-60%	C	L	H	11

LEGEND

TECHNOLOGIES

- AGTIV FORTIFY + — BACILLUS + MYCORRHIZAE
- AGTIV DEFEND B — BACILLUS
- AGTIV REACH M — MYCORRHIZAE

TEXTURE

- **F:** Fine
- **M:** Medium
- **MC:** Medium-Coarse
- **C:** Coarse

MOISTURE RETENTION/WEIGHT

- **H:** High
- **MH:** Medium-High
- **M:** Medium
- **ML:** Medium-Low
- **L:** Low

SUITABLE FOR ORGANIC USE

OMRI LISTED

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 in Eastern US.

* Product only available in Eastern US.
❁ Some product sizes are available in generic bags.



ASK YOUR SALES REPRESENTATIVE FOR MORE INFORMATION.

CALCULATE THE AMOUNT YOU NEED

PRO-MIX®
AGTIV®

Optimize your production, save time, labor, and make better use of your resources with biological active ingredients integrated in PRO-MIX® growing media.

Select **PRO-MIX® AGTIV®** for higher crop yields, improved quality, and extended shelf life, while reducing costs by minimizing drenches and optimizing fertilizer use.

SETTING THE STANDARD

We are studying biologicals, selecting the ones that deliver superior performance for growers, and building a future where biotechnological advancements thrive.

With extensive experience in aseptic processes, Premier Tech ensures AGTIV® biologicals meet the highest quality standards. Our contaminant-free products maximize crop effectiveness, with viable spores guaranteed for concentration, longevity, and root colonization.

MORE THAN **40** years OF EXPERTISE IN ACTIVE INGREDIENTS

AGAINST ALL ODDS

In 1983, we assembled a team of scientists with a mission deemed impossible: to produce high-quality mycorrhizal inoculum under aseptic conditions.

WE SUCCEEDED

In developing this process, we set new industry standards for purity and quality, showcasing our dedication to pushing the boundaries of innovation.

TO BRING LIFE INTO GROWING MEDIA

Growing media generally contain no microorganisms. Since 2005, AGTIV® biologicals are incorporated in PRO-MIX® growing media to foster a more favorable environment for plant growth.

FOR YOUR SUCCESS

With AGTIV® biologicals, we empower growers to achieve remarkable success, ensuring that every bale of PRO-MIX® is not just a product, but a promise of thriving plants.

3.8 CFT

EACH PRO-MIX® **BALE** WITH AGTIV® CONTAINS*

28 300 **M** **MYCORRHIZAE**

10 BILLION **B** **BACILLUS**

640 BILLION **PLANTS** GROWN IN PRO-MIX® AGTIV® EACH YEAR

2.5 MILLION PLANTS SAVED FROM **SHRINKAGE** EACH YEAR**

* Viable spores of *Bacillus* and/or mycorrhizae.
** Based on crop shrinkage reductions when using *Bacillus* and mycorrhizae together.

AGTIV FORTIFY

AGTIV® FORTIFY™ PROTECTS THE ROOT SYSTEM WITH AN EXPANDED BARRIER AGAINST PATHOGENS* AND IMPROVES NUTRIENT AND WATER ABSORPTION THANKS TO **BACILLUS** & **MYCORRHIZAE**

BACILLUS + MYCORRHIZAE

PTB297 + PTB180 Technologies

- Forms a protective physical barrier around the expanded root system
- Protects plants against pathogens and reduces disease incidence*
- Boosts plant growth and productivity



LEARN MORE ABOUT **AGTIV® FORTIFY™** TECHNOLOGY

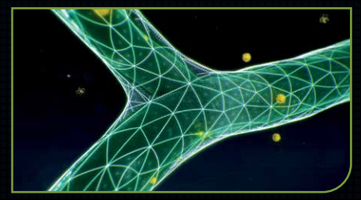
AGTIV DEFEND

AGTIV® DEFEND™ GIVES PLANTS PROTECTION AGAINST ROOT PATHOGENS* THANKS TO **BACILLUS**

B **BACILLUS**

PTB180 Technology, *Bacillus pumilus*

- Forms a protective barrier around the roots
- Reduces the incidence of root diseases*
- Increases plant survival and health



LEARN MORE ABOUT **AGTIV® DEFEND™** TECHNOLOGY

AGTIV REACH

AGTIV® REACH™ HELPS PLANTS REACH AND ABSORB MORE NUTRIENTS AND WATER THANKS TO **MYCORRHIZAE**

M **MYCORRHIZAE**

PTB297 Technology, *Rhizophagus irregularis* (formerly known as *Glomus intraradices*)

- Expands root system
- Enhances nutrient and water uptake
- Promotes plant robustness and vigor



LEARN MORE ABOUT **AGTIV® REACH™** TECHNOLOGY

*Suppresses root diseases caused by specific pathogens (such as *Fusarium*, *Pythium* and *Rhizoctonia*), and also suppresses fungus gnats and thrips.



BX
GENERAL-PURPOSE

PRO-MIX® BX is a general-purpose, peat-based growing medium that is formulated with a base of high-quality Sphagnum peat moss and perlite. This blend creates a **well-balanced environment to encourage root development and favor plant growth**.

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

See product web page

AGTIV REACH

SIZE	UNITS PER PALLET	REGULAR	M MYCORRHIZAE	BACILLUS + MYCORRHIZAE
2.8 cu. ft. Loose	57	10280RG	10281RG	1028500RG
3.8 cu. ft. Comp.	30	10380RG	10381RG	1038500RG
80 cu. ft. Loose	2	10800RG	10801RG	1080500RG
135 cu. ft. Comp.	1	11350RG	11351RG	1135500RG



HP
HIGH POROSITY

PRO-MIX® HP® is perfect for growers requiring a growing medium with **good drainage, high air porosity and low water retention**. The combination of fibrous Sphagnum peat moss and a high percentage of coarse perlite makes this formulation ideal for growers who need a growing medium that is **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 adjustment)
- Wetting agent

AGTIV REACH

SIZE	UNITS PER PALLET	M MYCORRHIZAE	BACILLUS + MYCORRHIZAE
2.8 cu. ft. Loose	57	20281RG	2028500RG
3.8 cu. ft. Comp.	30	20381RG	2038500RG
80 cu. ft. Loose	2	20801RG	2080500RG
135 cu. ft. Comp.	1	21351RG	2135500RG

See product web page



MPX
MULTI-PURPOSE

PRO-MIX® MPX is a multi-purpose, peat-based growing medium that combines high-quality Sphagnum peat moss and a low percentage of perlite. This combination forms a growing medium with **high water retention that reduces the need for frequent irrigation and promotes water conservation**.

INGREDIENTS:
- Canadian Sphagnum peat moss (85-95% by volume)
- Perlite — horticultural grade
- Calcitic and dolomitic limestone (pH adjustment)
- Wetting agent

See product web page

AGTIV REACH

SIZE	UNITS PER PALLET	M MYCORRHIZAE
2.8 cu. ft. Loose	57	80281RG
3.8 cu. ft. Comp.	30	80381RG
80 cu. ft. Loose	2	80801RG
135 cu. ft. Comp.	1	81351RG



HPCC
HIGH POROSITY CHUNK COIR

When seeking the **ideal balance between air porosity, drainage and water retention,** growers select PRO-MIX® HPCC to **optimize the quality of their hanging baskets, large containers, and long-term crops**. With unique chunk coir and carefully selected fibrous Sphagnum peat moss, this formulation provides qualities that promote plant growth and root development.

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

See product web page

AGTIV REACH

SIZE	UNITS PER PALLET	M MYCORRHIZAE	BACILLUS + MYCORRHIZAE
2.8 cu. ft. Loose	57	2028130RG	-
3.8 cu. ft. Comp.	30	2038130RG	-
80 cu. ft. Loose	2	2080130RG	2080530RG
135 cu. ft. Comp.	1	2135130RG	2135530RG

Some product sizes are available in generic bags.



FPX
PLUG AND GERMINATION

Providing an **optimized growing environment** is fundamental, especially when it comes to germinating seeds, plug production and rooting of young plants where it will define future productivity levels. PRO-MIX® FPX is well adapted to **encourage uniform seed germination and young plant development**.

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

See product web page

SIZE	UNITS PER PALLET	AGTIV DEFEND B BACILLUS
2.8 cu. ft. Loose	57	40282RG
3.8 cu. ft. Comp.	30	40382RG
80 cu. ft. Loose	2	40802RG
135 cu. ft. Comp.	1	41352RG



FPO FOR ORGANIC USE
PLUG AND GERMINATION

PRO-MIX® FPO is a fine-grade, peat/coir-based growing medium with fine perlite that is ideal for the **germination of herbs and vegetable seeds**. Its physical properties provide favorable conditions to **optimize seedling development** and this product is **OMRI Listed** for organic use.

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

Eligible for organic use.*

See product web page

SIZE	UNITS PER PALLET	REGULAR	AGTIV DEFEND B BACILLUS
3.8 cu. ft. Comp.	30	4038023RG	4038223RG
55 cu. ft. Comp.	2	4055023RG	-
135 cu. ft. Comp.	1	4135023RG	4135223RG

* PRO-MIX® FPO and PRO-MIX® FPO AGTIV® DEFEND™ are OMRI Listed and are registered organic input materials by CDFA.



MPO FOR ORGANIC USE
MULTI-PURPOSE

PRO-MIX® MPO provides the perfect solution for growers in need of a growing medium **suitable for organic use** that delivers **well-balanced air/water properties**. **OMRI Listed,** this formulation is ideal for a variety of growing applications and meets crop requirements for certified organic growers.

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

Eligible for organic use.*

See product web page

SIZE	UNITS PER PALLET	AGTIV REACH M MYCORRHIZAE	AGTIV FORTIFY BACILLUS + MYCORRHIZAE
2.8 cu. ft. Loose	57	8028103RG	8028503RG
3.8 cu. ft. Comp.	30	8038103RG	8038503RG
80 cu. ft. Loose	2	-	8080503RG
135 cu. ft. Comp.	1	8135103RG	8135503RG

Some product sizes are available in generic bags.
* PRO-MIX® MPO AGTIV® REACH™ and PRO-MIX® MPO AGTIV® FORTIFY™ are OMRI Listed.
PRO-MIX® MPO AGTIV® REACH™ is registered organic input materials by CDFA.



HPO FOR ORGANIC USE
HIGH POROSITY

PRO-MIX® HPO is a growing media suitable for **organic use** that offers **low water retention and high air porosity**. It's the PRO-MIX® HP® growing medium you love, adapted for organic growing. **OMRI Listed,** this formulation is ideal for a variety of growing applications and meets crop requirements for certified organic growers.

INGREDIENTS:
- Canadian Sphagnum peat moss (55-65% by volume)
- Perlite — horticultural grade
- Coir — horticultural grade
- Calcitic limestone (pH adjustment)
- Wetting agent

Eligible for organic use.*

See product web page

SIZE	UNITS PER PALLET	AGTIV FORTIFY BACILLUS + MYCORRHIZAE
3.8 cu. ft. Comp.	30	2038523RG

*PRO-MIX® HPO FORTIFY™ is OMRI Listed and is registered organic input materials by CDFA.



BK (previously named BRK20 and BK25)

MEDIUM WATER RETENTION

PRO-MIX® BK is a medium-weight growing medium designed for the cultivation of **horticultural crops in 4" pots or larger**. The combination of processed pine bark, Sphagnum peat moss and perlite makes for a **general-purpose** growing medium with **good drainage and medium water retention**.

INGREDIENTS:

- Canadian Sphagnum peat moss (60-70% by volume)
- Processed pine bark (20-25% by volume) coarse — screened at 1/2"
- Perlite — horticultural grade
- Calcitic and dolomitic limestone (pH adjustment)
- Wetting agent

See product web page

AGTIV REACH

SIZE	UNITS PER PALLET	REGULAR*	M MYCORRHIZAE	BACILLUS + MYCORRHIZAE
2.8 cu. ft. Loose	48	5028025RG** 5028025RGUS***	5028125RG** 5028125RGUS***	5028525RG
60 cu. ft. Loose	2	5060025RG** 5060025RGUS***	5060125RGUS***	5060525RG

* Available in bulk in Eastern US. ** Product made in Canada *** Product made in USA.

BKI (previously named BRK)

LOW WATER RETENTION

PRO-MIX® BKI is a medium-weight growing medium designed for the cultivation of horticultural crops grown in **medium to large containers**. Its high percentage of processed pine bark, Sphagnum peat moss and perlite makes it ideal for growers who need **frequent dry-down periods and medium/low water retention,** especially when growing crops **outdoors in a changing environment**.

INGREDIENTS:

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

See product web page

AGTIV REACH

SIZE	UNITS PER PALLET	REGULAR	M MYCORRHIZAE
2.8 cu. ft. Loose	48	5028045RG	5028145RG
60 cu. ft. Loose	2	5060045RG	5060145RG

Some product sizes are available in generic bags.

AGTIV® REACH™



MYCORRHIZAL INOCULANTS
DESIGNED FOR PROFESSIONALS

AGTIV® REACH™ inoculants†, whether used in greenhouses, nurseries, during planting, or for landscape maintenance, promote robust plant establishment and enhance survival rates by significantly improving water and nutrient absorption.

TRANSPLANTATION | INCORPORATION INTO GROWING MEDIA | LAWN AND TREE CARE

See our inoculants

† Product availability may vary depending on the territory.



BKH (previously named BK55)

LOW WATER RETENTION

PRO-MIX® BKH 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 low water retention and a **good air/water balance**. The high percentage of bark adds weight for **added container stability**.

INGREDIENTS:

- Processed 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 adjustment)
- Wetting agent

See product web page

AGTIV REACH

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

* Available in bulk in Eastern US. *** Product made in USA

Some product sizes are available in generic bags.

PRO-MIX® AGTIV®

IT'S IN THE BAG

TECHNOLOGY NAMES



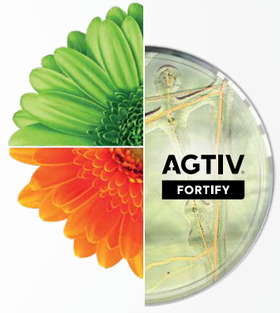
AGTIV® REACH™ helps plants develop a more extensive root system. This technology allows plants to reach and absorb more nutrients and water, significantly enhancing growth, robustness, and vigor. It's an essential tool for anyone looking to maximize their plants' potential and achieve superior growth results.

M **MYCORRHIZAE**



AGTIV® DEFEND™ utilizes the power of *Bacillus* to create a defensive barrier around plant roots. This natural protector works tirelessly to reduce the prevalence of root diseases caused by pathogens* like *Fusarium, Pythium,* and *Rhizoctonia*. Right from the start, your plants are safeguarded, ensuring healthier growth and greater survival rates.

B **BACILLUS**



AGTIV® FORTIFY™ combines the strengths of *Bacillus* and mycorrhizae and offers a dual action of protection and nourishment. This technology shields the root system from pathogens* and enhances nutrient and water uptake. For plants facing tough environmental conditions or prone to disease, AGTIV® FORTIFY™ delivers an unmatched level of resilience and productivity.

+ **BACILLUS + MYCORRHIZAE**



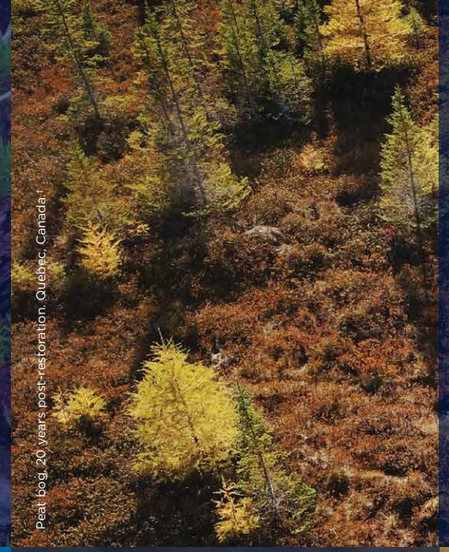
* Suppresses root diseases caused by specific pathogens (such as *Fusarium, Pythium* and *Rhizoctonia*), and also suppresses fungus gnats and thrips.

VISIT
PTHORTICULTURE.COM


Sphagnum mat in natural peatland.†

SUSTAINABILITY AND BEYOND

At Premier Tech Growers and Consumers, our commitment to sustainability balances preserving the planet, ensuring individual well-being, and fostering shared prosperity.


Peat bog, 20 years post-restoration. Quebec, Canada.†

Responsible Peatland Management: The Heart of Our Environmental Stewardship

Managing peatland since our early beginnings, we are looking forward to many more years of stewardship. As one of the founders of the Peatland Ecology Research Group (PERG) and as members of the Canadian Sphagnum Peat Moss Association (CSPMA), we actively promote practices that support both environmental and economic well-being.

Peatland Restoration

After harvest, we don't just leave the land; we restore peatlands to their natural state, reestablishing their self-regulation mechanisms to accumulate peat and sequester carbon, thus reducing our carbon footprint.


Natural peat bog. New Brunswick, Canada.†

Reducing Ecological Footprint

From our production processes to community initiatives, we strive to make a positive impact. By partnering with others to enhance the value of residual materials, we are exploring new ways for material recovery and upcycling, reinforcing our commitment to responsible production.


Part of the peatland agrotein (living part of the sphagnum).†

Eco-Responsible Practices

Sustainability is embedded in our innovation process through eco-design, ensuring our products are environmentally considerate throughout their lifecycle. For over 40 years, we have been at the forefront of researching biologicals, resulting in environmentally friendly solutions.

Veriflora® Certification

Our Veriflora®-certified peatlands follow the highest standards of sustainable development, with annual GHG emissions inventories setting the benchmark for the industry. This certification is also a testament to our responsible peatland management, continuous improvement efforts, and biodiversity promotion.



† Source: Premier Tech Ltd.

Artificial pond on a bog site, 20 years post-restoration. Quebec, Canada.†

Unwavering Community Commitment

We contribute to preserving local species and maintaining ecological balance. By prioritizing local suppliers, we help bolster the regional economy and support local businesses. Beyond the fields, through donations and active community involvement, we ensure our global impact is deeply rooted in local values.


High school students and Premier Tech's team members planted 600 trees along a bike path using our donated horticultural products.†

LEARN MORE ABOUT OUR SUSTAINABILITY APPROACH



PEOPLE AND TECHNOLOGIES MAKING A DIFFERENCE

At Premier Tech, we are all about making a difference by connecting People and Technologies for more than 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.

PREMIER TECH

PT Growers and Consumers

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