

# AGTIV<sup>®</sup>

**DESIGNED BY NATURE. PERFECTED BY SCIENCE.**



**2026**

PROFESSIONAL INOCULANTS CATALOG

CANADA

# AGTIV®

**DESIGNED BY NATURE.  
PERFECTED BY SCIENCE.**

Born from nature and perfected by science, AGTIV® is an innovative technology brand of high-quality and proven natural active ingredients that deliver superior performance.

AGTIV® inoculants for turf and landscape professionals stand out with their rigorous quality control, ensuring efficient plant colonization, boosting growth and reducing plant mortality. Perfect for achieving successful landscaping projects, with less returns to the job sites.



**Transplantation**



**Lawn & Tree Care**



**Incorporation into Growing Media**

## AGTIV® INOCULANTS DESIGNED FOR PROFESSIONALS

USAGE										
FOR ORGANIC USE	INTO GROWING MEDIA	TRANSPLANTING	MIXING WITH SEEDS	SOIL INJECTION	ROOT DIPPING	HYDROSEEDING	SPREADING	SPRAYING	ON FERTILIZER	FORMULATION

LANDSCAPING & NURSERIES	AGTIV REACH® P for Landscaping & Nurseries										
	F: Powder (kaolin clay, diatomaceous earth, peat) S: Case: 2 x 500 g (2 x 1.1 lb) bags C: Trees, shrubs and herbaceous plants: see page "Landscaping & Nurseries" for details.										
		●		●	●						●
AGTIV REACH® G for Landscaping & Nurseries											
F: Granules (perlite, zeolite, peat) S: 10 kg (30 L) bag 4 kg (12 L) bag Case: 12 x 500 g (12 x 1.5 L) bags C: Trees, shrubs and herbaceous plants: see page "Landscaping & Nurseries" for details.											
	✓	●	●							●	



TURF	AGTIV REACH® P TURF										
	F: Powder (diatomaceous earth) S: Case: 2 x 250 g (2 x 8.8 oz) bags C: Turf: 60 000 m <sup>2</sup> (644 700 ft <sup>2</sup> ) per case										
										●	●
	AGTIV REACH® P for Seed Mixing										
	F: Powder (kaolin clay) S: 2 kg (4.4 lb) pail C: Turf: 27 000 m <sup>2</sup> (287 500 ft <sup>2</sup> )										
				●				●			●
AGTIV REACH® G TURF											
F: Granules (zeolite) S: 20 kg (44 lb) bag C: Turf: 1 000 m <sup>2</sup> (10 765 ft <sup>2</sup> )											
									●	●	
AGTIV STIMULATE® L TURF											
F: Liquid S: Box: 1 x 8 L (8 kg) bag C: Turf: 16 000 m <sup>2</sup> (174 250 ft <sup>2</sup> )											
			●					●		●	
AGTIV UPTAKE®											
F: Liquid S: Box: 2 x 3.5 L (3.5 kg) bags + 1 x 7 L (7 kg) bag C: Turf: 187 000 m <sup>2</sup> (2 003 750 ft <sup>2</sup> )											
			●					●	●	●	



MULTI-CROPS	AGTIV REACH® P										
	F: Powder (peat) S: Case: 4 x 800 g (4 x 1.75 lb) pails C: Vegetables, berries & garlic: see page "Multi-Crops" for details.										
		✓	●	●	●			●			●
AGTIV REACH® G											
F: Granules (peat) S: 6 kg (13.2 lb) pail 18.2 kg (40 lb) bag C: Vegetables, herbs, berries & fruit trees: see page "Multi-Crops" for details.											
	✓	●	●							●	



ACTIVE INGREDIENTS		LEGEND	FORMULATIONS
<b>M</b> MYCORRHIZAE	<b>B</b> BACILLUS	F: Formulation	Liquid
ENDOMYCORRHIZAE	PTB185 Technology, <i>Bacillus inaquosorum</i>	S: Size	Granular
PTB297 Technology, <i>Rhizophagus irregularis</i>		C: Crop/Coverage	Powder
ECTOMYCORRHIZAE	<b>B</b> BACTERIA	✓ For organic use	
<i>Pisolithus tinctorius</i>	PTB101 Technology, <i>Bacillus velezensis</i>		
<i>Rhizopogon amylopogon</i>	PTB108 Technology, <i>Bacillus halotolerans</i>		
<i>Rhizopogon fulvigleba</i>	PTB124 Technology, <i>Priestia megaterium</i>		
<i>Rhizopogon villosulus</i>			
<i>Rhizopogon luteolus</i>			

[Learn more](#)



Product availability may vary depending on the territory.



**POWDER**

**AGTIV REACH® P**  
for Landscaping & Nurseries

**ACTIVE INGREDIENTS:**  
**M** **ENDOMYCORRHIZAE**  
 PTB297 Technology, *Rhizophagus irregularis*: 400 viable spores/g  
**ECTOMYCORRHIZAE**  
*Pisolithus tinctorius*: 6 600 000 spores/g, *Rhizopogon amylopogon*: 107 000 spores/g,  
*Rhizopogon fulvigleba*: 107 000 spores/g, *Rhizopogon villosulus*: 107 000 spores/g,  
*Rhizopogon luteolus*: 107 000 spores/g  
 Humic acids: 3%  
*Ascophyllum nodosum*: 2%

**INERT INGREDIENTS:** Kaolin clay, diatomaceous earth, peat  
**PARTICLE SIZE:** 0.15 mm (100 mesh)

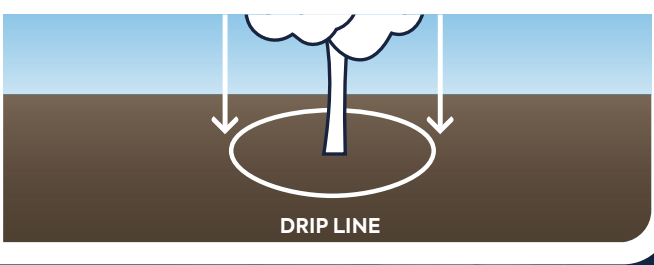
SIZE	CODE
2 x 500 g (2 x 1.1 lb) – bags	714704

**DIRECTIONS FOR USE**  
**INCORPORATION INTO GROWING MEDIA**  
 Mix the quantity of product shown in the table into the growing media. For a better homogeneity, pre-mix the recommended quantity of product to a part of the growing media or one of the substrate ingredients. Mix well until homogeneity before filling the containers.

Quantity of product to use per volume of growing media		
Container volume	Quantity of product to add per m <sup>3</sup> of media	Quantity of product to add per yd <sup>3</sup> of media
500 ml or less	5 ¼ cups (625 g)	4 cups (475 g)
500-1 500 ml	4 ¼ cups (500 g)	3 ¼ cups (380 g)
1 500 ml or more	3 ¼ cups (375 g)	2 ¼ cups (285 g)

**BARE ROOTS DIPPING**  
 Just before planting, coat the bare roots with the product. One 1.1 lb (500 g) bag can treat up to 660 bare roots (according to plant size).

**SOIL INJECTION**  
**MATURE TREES AND SHRUBS** — This application is recommended when treatments requiring injection work in the root zone must be carried out. Add one 1.1 lb (500 g) bag of this product to 370 gallons (1 400 liters) of clean, non-chlorinated water. Agitate thoroughly. Inject the mixed product into the upper 8-10 in. (20-25 cm) of the root zone with the use of a soil probe. Treat the root zone under the canopy and beyond the drip line. Inject at a rate of 35 fl. oz (1 liter) per injection hole in a grid pattern (30-36 in., 75-90 cm centers). One 1.1 lb (500 g) bag treats 9 150 ft<sup>2</sup> (850 m<sup>2</sup>).



**GRANULAR**

**AGTIV REACH® G**  
for Landscaping & Nurseries

**ACTIVE INGREDIENTS:**  
**M** **ENDOMYCORRHIZAE**  
 PTB297 Technology, *Rhizophagus irregularis*: 15 viable spores/g  
**ECTOMYCORRHIZAE**  
*Pisolithus tinctorius*: 100 000 spores/g, *Rhizopogon amylopogon*: 7 500 spores/g,  
*Rhizopogon fulvigleba*: 7 500 spores/g, *Rhizopogon villosulus*: 7 500 spores/g,  
*Rhizopogon luteolus*: 7 500 spores/g  
*Ascophyllum nodosum*: 0.4%

**INERT INGREDIENTS:** Perlite, zeolite, peat

SIZE	CODE
12 x 500 g (12 x 1.5 L – 12 x 1.4 US dry qt) – bags	714504
4 kg (12 L – 10.9 US dry qt) – bag	714511
10 kg (30 L – 27.2 US dry qt) – bag	714501

**DIRECTIONS FOR USE**  
**INCORPORATION INTO GROWING MEDIA**  
 Mix inoculant thoroughly into the growing media before filling the containers. Incorporate gradually while mixing for an even distribution.

Volume of growing media treated per 12 L bag of AGTIV®	
Container volume	Volume of growing media treated
500 ml or less	8.5 ft <sup>3</sup> (240 L)
500-1 500 ml	10.6 ft <sup>3</sup> (300 L)
1 500 ml or more	14.1 ft <sup>3</sup> (400 L)

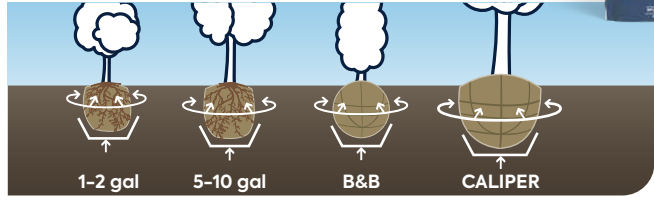
**TRANSPLANTING INTO CONTAINERS** — When transplanting, apply the product directly on roots or in the container. Refer to the application chart below.

**TRANSPLANTING INTO SOIL**  
**TREES AND SHRUBS** — 1. Dig planting hole approximately twice the size of the transplant's root ball. 2. Spread this product all around the root ball where new root growth will occur and cover sides and bottom of planting area. Refer to the application chart below. Be sure that the roots are in contact with the product. 3. Position transplant in the center of the planting hole and fill the remaining area around the root ball with soil. 4. Water to settle planting area.

**ANNUALS, PERENNIALS AND BULBS** — Apply directly to the roots or in the planting hole at a rate of 30 ml (2 Tbsp) per plant and 15 ml (1 Tbsp) per bulb.

Container	Required quantity	
	AGTIV®	
	Cup	ml
Plugs		
4 in.	1/16	15
#1	1/8	30
#2	1/4	65
#5	1/2	125
#10	1	250
#20	1 1/2	375
	2	500

Caliper	AGTIV®	
	Cup	ml
1.0-1.5 in. (25-40 mm)	2	500
1.6-2.0 in. (41-50 mm)	3	750
2.1-2.5 in. (51-65 mm)	4	1 000
2.6-3.0 in. (66-75 mm)	5	1 250
3.1-4.0 in. (76-100 mm)	6	1 500
4.1 in. + (101 mm +)	7 1/2	1 875



UP TO  
**50%**  
 LESS PLANT MORTALITY

- ✓ Minimizes transplant shock
- ✓ Ensures faster establishment
- ✓ Reduces watering needs

**LANDSCAPING & NURSERIES**



**AGTIV LANDSCAPING PROGRAM**

**AGTIV REACH** +  = **2-YEAR WARRANTY**



This Program offers financial support for up to 2 years to professional landscapers for the replacement of plants with AGTIV REACH® G for Landscaping & Nurseries 1.5 L and 12 L product formats.

[PTHORTICULTURE.COM/aktiv-landscaping-program](http://PTHORTICULTURE.COM/aktiv-landscaping-program)

The following plant families cannot be colonized by the endomycorrhizal fungi contained in AGTIV REACH®: *Orchidaceae* (orchids), *Ericaceae* (rhododendron, blueberries), *Brassicaceae* (cabbages), *Amaranthaceae* (kochias), *Cariophyllaceae* (carnations), Lupins.



POWDER

**AGTIV REACH® P TURF**



ACTIVE INGREDIENT:

**M** MYCORRHIZAE – PTB297 Technology  
*Rhizophagus irregularis*: 30 000 viable spores/g

INERT INGREDIENT: Diatomaceous earth  
 PARTICLE SIZE: < 0.2 mm (70 mesh)

SIZE	COVERS	CODE
2 x 250 g (2 x 8.8 oz) – bags	60 000 m <sup>2</sup> (644 700 ft <sup>2</sup> )	711494

DIRECTIONS FOR USE

SPRAYING

Pour the prescribed amount of AGTIV REACH® P TURF into a volume of 100 litres of water. Use clean, non-chlorinated water.

	Quantity of AGTIV REACH® P TURF / 100 L of water	Application rate	
		L/100 m <sup>2</sup>	L/1000 ft <sup>2</sup>
Putting greens	10 g (75 ml)	8.6	8.0
Fairways	20 g (150 ml)	4.3	4.0
Sod farms	34 g (250 ml)	2.5	2.3

Mix well and keep stirring for the duration of application. Water generously immediately after application.

POWDER

**AGTIV REACH® P for Seed Mixing**



ACTIVE INGREDIENT:

**M** MYCORRHIZAE – PTB297 Technology  
*Rhizophagus irregularis*: 3 200 viable spores/g

INERT INGREDIENT: Kaolin clay  
 PARTICLE SIZE: < 1 mm (18 mesh)

SIZE	COVERS	CODE
2 kg (4.4 lb) – pail	27 000 m <sup>2</sup> (287 500 ft <sup>2</sup> )	713903

DIRECTIONS FOR USE

MIXING WITH SEED

Mix uniformly with seeds at a rate of 0.25 oz per 1 000 ft<sup>2</sup> (7.5 g per 100 m<sup>2</sup>) of seeds. This product may “bulk up” seeds. Calibrate the equipment to ensure correct seeding rate is attained. Avoid using the product with wet equipment.

HYDROSEEDING

Apply at a rate of 0.25 oz per 1 000 ft<sup>2</sup> (7.5 g per 100 m<sup>2</sup>) of surface area to seed. Avoid mixing with fertilizers and pesticides. Rinse the tank well before introducing the product and after application.

GRANULAR

**AGTIV REACH® G TURF**



ACTIVE INGREDIENT:

**M** MYCORRHIZAE – PTB297 Technology  
*Rhizophagus irregularis*: 12 viable spores/g

INERT INGREDIENT: Zeolite  
 PARTICLE SIZE: 0.4 mm to 1.4 mm (14-40 mesh)

SIZE	COVERS	CODE
20 kg (44 lb) – bag	1 000 m <sup>2</sup> (10 765 ft <sup>2</sup> )	713701

DIRECTIONS FOR USE

LAYING SOD, SEEDING, BROADCAST

At seeding, when laying sod or for turf maintenance, incorporate granules into the rooting zone at a rate of 4 lb per 1 000 ft<sup>2</sup> (2 kg per 100 m<sup>2</sup>). Water well after application. This product can also be used when seeding wildflowers.

**TURF**



LIQUID HERBICIDE

**WeedOut® ULTRA PROFESSIONAL**   
 Selective weed control – Commercial

ACTIVE INGREDIENT: 4-chloroindole-3-acetic acid,  
 present as potassium salt 4.5 g/L

SIZE	COVERS	CODE
2 x 10 L – jugs	24 973 m <sup>2</sup> (268 810 ft <sup>2</sup> )	7257900

WeedOut® Ultra Professional is a selective herbicide\* that provides control of dandelion, plantain, and top growth control of fall hawkbit, hawkweed, cinquefoil, and black medic in turf.

- ✓ Kills plantains and dandelions at the root for long-lasting results
- ✓ 96% mortality on broadleaf plantains, 82% on dandelions at week 10
- ✓ Concentrated solution adapted to lawn care professionals

DIRECTIONS FOR USE

SPOT TREATMENT

- Mix one part of WeedOut® Ultra Professional with 9 parts of water.
- Treat broadleaf weeds in lawns and turf (e.g. right-of-ways, non-crop areas, golf courses, sod production, parks, cemeteries and athletic fields) when weeds are actively growing.
- Use any standard hand-held or backpack sprayer. This product can be applied to small patches and individual broadleaf weeds as a spot treatment.

\* Read the label for full list of species. Registration Number 32516 Pest Control Products Act. Read the label before using.

LIQUID

**AGTIV STIMULATE® L TURF** 

ACTIVE INGREDIENT:

**B** BACILLUS – PTB185 Technology  
*Bacillus inaquosorum*: 2 x 10<sup>9</sup> viable spores/g

INERT INGREDIENT: Water

PARTICLE SIZE: < 0.1 mm (150 mesh)  
 Contains non-soluble particles

SIZE	COVERS	CODE
8 L (8 kg) – bag	16 000 m <sup>2</sup> (174 250 ft <sup>2</sup> )	711434

DIRECTIONS FOR USE

SPRAYING

Apply monthly on turf at a rate of 5 L/ha (dilute in a sufficient volume of clean, non-chlorinated water). During stress periods (drought, heat, etc.), repeat the application as needed at 7- to 14-day intervals. Mix well and maintain agitation throughout the application.

MIXING WITH SEEDS

Apply at a rate of 2.5 ml/kg of seed, diluted in a volume of water that provides good seed coverage. Sow within 48 hours.

LIQUID

**AGTIV UPTAKE®** 

ACTIVE INGREDIENTS:

**B** BACTERIA –  
 PTB101 Technology - *Bacillus velezensis*: 2 X 10<sup>9</sup> viable spores/g  
 PTB108 Technology - *Bacillus halotolerans*: 1 X 10<sup>9</sup> viable spores/g  
 PTB124 Technology - *Priestia megaterium*: 5 X 10<sup>8</sup> viable spores/g

INERT INGREDIENT: Water

PARTICLE SIZE: < 0.1 mm (150 mesh)  
 Contains non-soluble particles

SIZE	COVERS	CODE
2 x 3.5 L (3.5 kg) – bags	187 000 m <sup>2</sup> (2 003 750 ft <sup>2</sup> )	711504
1 x 7 L (7 kg) – bag		

DIRECTIONS FOR USE

SPRAYING

Apply to turf at a rate of 0.75 L/ha (dilute in sufficient liquid) with each fertilizer application. Mix thoroughly and maintain agitation throughout the application. Use clean, non-chlorinated water or a compatible liquid fertilizer. Irrigate after application.

MIXING WITH SEEDS

Apply at a rate of 2.5 ml/kg of seed, diluted in a volume of water that provides good seed coverage. Sow within 48 hours.

APPLICATION ON FERTILIZER

Apply at a rate of 4 ml/kg of a compatible fertilizer. The product is stable on fertilizer for 6 months. Irrigate after application.



- ✓ **Increases plant establishment and survival**
- ✓ **Improves soil structure and reduces erosion**
- ✓ **Produces more vigorous plants**

MULTI-CROPS

# VEGETABLES, FRUIT TREES & BERRIES



## STRAWBERRIES

**14.0%**  
AVERAGE YIELD INCREASE

## PEPPERS

**6.8%**  
AVERAGE YIELD INCREASE

## ONIONS

**7.4%**  
AVERAGE YIELD INCREASE

## CARROTS

**7.7%**  
AVERAGE YIELD INCREASE

POWDER

## AGTIV REACH® P



### ACTIVE INGREDIENT:

**M MYCORRHIZAE** – PTB297 Technology  
*Rhizophagus irregularis*: 8 000 viable spores/g

### INERT INGREDIENT:

Peat  
PARTICLE SIZE: < 1 mm (18 mesh)  
BULK DENSITY: 400 g/L (1 lb/US dry qt)

SIZE	CODE
4 x 800 g (4 x 1.75 lb) – pails	712324

### DIRECTIONS FOR USE

#### TRANSPLANTING

**VEGETABLE TRANSPLANTS OR BARE-ROOT BERRIES** — Right before planting, coat the root plugs or the bare roots with the product. A 800 g pail of product can treat up to 117 000 transplants or 21 300 bare roots (according to plant size).

**ASPARAGUS** — Right before planting, coat the bottom of the crown with the product. The recommended quantity is 38 g (80 ml) for 1 000 crowns.

#### INCORPORATION INTO GROWING MEDIA

Mix the quantity of product into the growing media. For application chart, visit [PTAGTIV.COM/en/REACH-P](http://PTAGTIV.COM/en/REACH-P). For a better homogeneity, it is preferable to pre-mix the recommended quantity of product to a part of the growing media (or one of the dry ingredient used in its composition). For application onto tray surface, contact your local representative for application details depending on your practices.

### MIXING WITH SEEDS

At planting time, mix evenly with seeds (Table 1). Ensure uniform seed coverage is obtained. The product formulation may “bulk up” seeds. It is important to calibrate the planter to ensure correct planting rate is attained. Avoid using AGTIV® with wet equipment. When seeding, ensure full seed-soil contact to minimize any desiccation of the inoculant.

Table 1 – Quantity of AGTIV® to use per 1 000 seeds

Type of seed	g	oz	ml
Nantes carrot	0.34	0.012	0.7
Market carrot	0.33	0.012	0.7
Spanish onion	0.56	0.020	1.2
Yellow onion	0.41	0.015	0.9
Lettuce	0.42	0.015	0.9
Pea/bean	0.38	0.013	0.8
Cucumber	1.98	0.070	4.2
Squash/pumpkin	4.95	0.170	10.4
Garlic	37.50	1.320	78.9

1 cup equals 240 ml (96 g) of product.

GRANULAR

## AGTIV REACH® G



### ACTIVE INGREDIENT:

**M MYCORRHIZAE** – PTB297 Technology  
*Rhizophagus irregularis*: 178 viable spores/g

### INERT INGREDIENT:

Peat  
PARTICLE SIZE: 0.5 mm to 2.5 mm (8 - 30 mesh)  
BULK DENSITY: 600 g/L (37.4 lb/ft³)

SIZE	CODE
18.2 kg (40 lb) – bag	712101
6 kg (13.2 lb) – pail	712103

### DIRECTIONS FOR USE

**IN-FURROW** — Apply directly in-furrow at a rate of 40 g (1/4 cup) per 100 m row length (0,26 lb/1000 ft).

**INCORPORATION INTO GROWING MEDIA** — Mix thoroughly into the growing media before filling the trays.

Quantity of AGTIV® to use per volume of growing media

Cell or container volume	Qty of product to add/m³ of media	Qty of product to add/yd³ of media
40-200 ml	3.4 kg (5.6 L)	5.7 lb (18 cups)
200-500 ml	2.2 kg (3.7 L)	3.8 lb (12 cups)
500 ml-1 500 ml	1.1 kg (1.9 L)	1.9 lb (6 cups)
1 500 ml or more	0.8 kg (1.4 L)	1.4 lb (4.5 cups)

**TRANSPLANTING** — Apply the product at the bottom and on the sides of the planting hole. Product must be in direct contact with roots.

BERRIES	FRUIT TREES
1.7 g (1 tsp)	8 g (1 Tbsp)

The following plant families cannot be colonized by the endomycorrhizal fungi contained in AGTIV REACH®: *Brassicaceae* (broccoli, cabbages, cauliflower, radish, rutabaga, watercress), *Chenopodiaceae* (beets, spinach), *Ericaceae* (blueberries, cranberries).



# AGTIV<sup>®</sup>

## TECHNOLOGIES

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

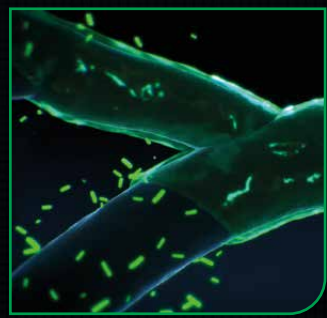
### AGTIV<sup>®</sup> STIMULATE

AGTIV STIMULATE<sup>®</sup> REINFORCES PLANTS WITH A HEALTHY ROOT ZONE THANKS TO **BACILLUS**

#### **B** BACILLUS

PTB185 Technology, *Bacillus inaquosorum*

- + Stimulates rooting environment
- + Improves plant establishment
- + Increases plant vigor and productivity



### AGTIV<sup>®</sup> UPTAKE

AGTIV UPTAKE<sup>®</sup> ENHANCES FERTILIZER AND SOIL NUTRIENT UPTAKE THANKS TO BENEFICIAL **BACTERIA**

#### **B** BACTERIA

PTB101 Technology, *Bacillus velezensis*  
PTB108 Technology, *Bacillus halotolerans*  
PTB124 Technology, *Priestia megaterium*

- + Improves soil nutrient assimilation
- + Promotes better fertilizer use
- + Enhances plant stress resistance and growth



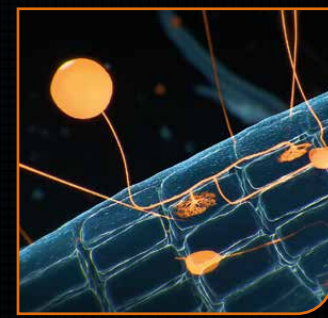
### AGTIV<sup>®</sup> REACH

AGTIV REACH<sup>®</sup> 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



## 10 FACTS ABOUT MYCORRHIZAE

<p><b>1</b></p> <p><b>QUICK COLONIZER</b></p> <p>Achieve marketable size up to 3 weeks earlier with mycorrhizae<sup>a</sup>.</p>	<p><b>2</b></p> <p><b>EFFICIENT NUTRIENT AND WATER UPTAKE &amp; TRANSFER</b></p> <p>10x more area for water uptake with mycorrhizae<sup>b</sup>.</p>	<p><b>3</b></p> <p><b>VERSATILE &amp; EFFICIENT COLLABORATOR</b></p> <p>80% of plants can be colonized with the collaborative<sup>c</sup> mycorrhizal species <i>Rhizophagus irregularis</i>.</p>	<p><b>4</b></p> <p><b>ALWAYS COMPARED NEVER EQUALED</b></p> <p>Selected more than 40 years ago, Premier Tech<sup>®</sup> species has been tested continuously under various conditions and has demonstrated the efficacy and benefits of the mycorrhizal species <i>Rhizophagus irregularis</i>.</p>	<p><b>5</b></p> <p><b>SOIL POPULATION</b></p> <p>Various articles demonstrate that mycorrhizal populations in soils are highly heterogeneous or not sufficient to have the desired beneficial effect.</p>
<p><b>6</b></p> <p><b>40 YEARS OF EXPERTISE</b></p> <p>From the selection of strains to in-field results, Premier Tech products consistently follow the highest quality standards.</p>	<p><b>7</b></p> <p><b>PARTNERSHIP BETWEEN ENDO &amp; ECTO</b></p> <p>Endomycorrhizae associate with 80% of plants, most deciduous trees and herbaceous plants, and ectomycorrhizae* associate with 15% of plants, most conifers and evergreens.</p>	<p><b>8</b></p> <p><b>MULTIPLE SPECIES VS ONE</b></p> <p><i>Rhizophagus irregularis</i> has turned up as a wonder fungus in several surveys, and field experience so far has shown it to be equal or superior to mixtures of other fungi<sup>d</sup>.</p>	<p><b>9</b></p> <p><b>BETTER SOIL STRUCTURE</b></p> <p>Mycorrhizae play a major role in the soil particle aggregation process leading to improved soil structure.</p>	<p><b>10</b></p> <p><b>VIABLE SPORES VS PROPAGULES</b></p> <p>Not all spores have the same tolerance or vigor. Premier Tech produces viable spores and guarantees their concentration, longevity and ability to colonize plant roots.</p>

Sources:  
<sup>a</sup> Vege review, C. Baum et al. / Scientia Horticulturae 187 (2015) 131-141.  
<sup>b</sup> Jones, C. E. 2009. Mycorrhizal fungi – powerhouse of the soil. Evergreen Farming 8:4-5.  
<sup>c</sup> Kiers et al. 2011. Reciprocal Rewards Stabilize Cooperation in the Mycorrhizal Symbiosis. Science 333:80-882.  
<sup>d</sup> Anusuya, D. (2007) Vesicular Arbuscular Mycorrhizal Biotechnology: Current Trends and Futures Prospects. In: Trivedi P.C. (eds) Organic Farming and Mycorrhizae in Agriculture. I.K. International Publishing House pp.125-134.

\*Ectomycorrhizae are offered in AGTIV REACH<sup>®</sup> G for Landscaping & Nurseries and AGTIV REACH<sup>®</sup> P for Landscaping & Nurseries.

# EXPERTISE, AUTONOMY, AND RELIABILITY AT EVERY STEP

Premier Tech offers reliable, high-quality inoculants through innovation and collaboration with local partners and professionals. From our laboratories, our team transforms research into tangible and high-performance solutions for green spaces and landscaping.

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 its proven consistency of viable spores, no contamination, and reliable biological inoculants.

Learn more



## PRODUCTION

In 2000, Premier Tech set up a world-first endomycorrhizal inoculum plant, developing a new mycoreactor process for industrial scale production. Backed by 40 years of expertise in active ingredients, Premier Tech constantly develops and innovates in terms of production of MYCORRHIZAE, RHIZOBIUM, BACILLUS, SERENDIPITA and other active ingredients:

- ✓ No contamination through a strictly controlled and aseptic environment
- ✓ Large-scale manufacturing production
- ✓ Adapted quality control for each step of the production processes, ensuring consistent high-quality inoculum



## FORMULATION

Premier Tech's know-how makes it possible to adapt formulations with multiple active ingredients, concentrations and carriers tailored to different crops and application methods. Because a quality inoculant makes all the difference, our proven formulations are based on these important elements:

- ✓ Carriers compatible with the active ingredients
- ✓ Formulations that guarantee active ingredient viability until use
- ✓ Quality control at several key points ensuring the performance of active ingredients
- ✓ Various formulations tailored for organic production



## APPLICATION

Caring about our clients' success, each recommendation for product use takes into consideration validation by our field experts and by users themselves, which ensures:

- ✓ Effective application rates, at the right time and place, with the right inoculant
- ✓ Products adapted to professional equipment
- ✓ Validation of compatibility with other inputs



## SERVICE

The AGTIV® experience combines highly effective value-added products and the access to a team of field experts dedicated to supporting your growth. From our management and research teams to our field specialists, our multidisciplinary team is listening to clients' needs to continuously improve our products and level of service:

- ✓ Technical support for product application, equipment compatibility and field demonstration
- ✓ Proud promoter of science education and knowledge sharing
- ✓ Partnership with distributors and green good suppliers throughout Canada, the United States and Europe



RENOWNED BRANDS

AGTIV® PROMIX®





# GET THE INFO YOU NEED ON OUR WEBSITE



## RECOMMENDATIONS CHART

	USAGES								
	LANDSCAPING & NURSERIES		TURF					MULTI-CROPS	
	AGTIV REACH® P for Landscaping & Nurseries	AGTIV REACH® G for Landscaping & Nurseries	AGTIV REACH® P TURF	AGTIV REACH® P for Seed Mixing	AGTIV REACH® G TURF	AGTIV STIMULATE® L TURF	AGTIV UPTAKE®	AGTIV REACH® P	AGTIV REACH® G
<b>APPLICATION</b>									
After coating, seed within				8h		48h	48h	8h	
After mixing in the tank, apply within	8h		6h	8h		24h	24h		
Avoid using the product with wet equipment				•	•			•	•
Ensure full seed-soil contact when seeding				•				•	
To avoid flow problems, do not fill tank or seed cart completely									•
Ensure the tank and the application system are clean and free of chemical residues	•		•	•	•	•	•		
Remove filters and use nozzles with openings of a minimum of 1 mm (18 mesh) to avoid clogging	•								
Use filters with openings of at least 0.28 mm (50 mesh)			•						
Maintain a constant and effective agitation in the tank during application	•		•	•	•	•	•		
Pump pressure must not exceed 200 psi	•								
Ensure the temperature of the diluted tank mix doesn't exceed	25°C (77°F)		35°C (95°F)	25°C (77°F)					
<b>CALIBRATION</b>									
Calibrate the application system to deliver the correct amount of product			•	•	•	•	•	•	•
<b>COMPATIBILITY</b>									
Do not mix with fertilizers	•	•		•	•			•	•
Refer to the list of compatible pesticides and fertilizers on the website	•	•	•	•				•	
Do not mix this product and fungicide seed treatments in the same tank. Apply to seed once treatment is dry.				•				•	
<b>STORAGE</b>									
Do not freeze or expose to temperatures above	35°C (95°F)	35°C (95°F)	35°C (95°F)	35°C (95°F)	35°C (95°F)	35°C (95°F)	35°C (95°F)	35°C (95°F)	35°C (95°F)
Store the product at constant temperature, in a dry cool shaded place	•	•	•	•	•	•	•	•	•

RECOMMENDATIONS

## TOOLBOX

Brochures, labels, organic certificates, SDS and application chart

[PTHORTICULTURE.COM/toolbox-tl](http://PTHORTICULTURE.COM/toolbox-tl)



## COMPATIBILITY

Pesticide compatibility lists  
Liquid fertilizer compatibility lists

[PTHORTICULTURE.COM/compatibility-tl](http://PTHORTICULTURE.COM/compatibility-tl)



## RESULTS

Efficacy report

[PTHORTICULTURE.COM/results-tl](http://PTHORTICULTURE.COM/results-tl)



## EDUCATION

Articles

[PTHORTICULTURE.COM/blog](http://PTHORTICULTURE.COM/blog)



DESIGNED BY NATURE.  
PERFECTED BY SCIENCE.



**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.



**PT Growers and Consumers**

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

F. 418 862-6642



**PTHORTICULTURE.COM**

**1 800 667-5366**

**services@pthorticulture.com**

The information in this document was up-to-date at the time of printing. Because of its continuous improvement policy, Premier Tech reserves the right to halt manufacturing, change products, or revise technical data and prices without further warning or liability. Printed in Canada. © Premier Tech Ltd., 2025. Premier Tech Ltd. used under license and manufactured by Premier Horticulture Ltd. PRO-MIX® is a registered trademark of Premier Horticulture Ltd. AGTIV®, AGTIV REACH®, AGTIV STIMULATE®, AGTIV UPTAKE®, Wilson®, Wilson & design®, Alaskan®, Alaskan & design® and WeedOut® are registered trademarks of Premier Tech Ltd., used under license by Premier Horticulture Ltd. C-I-L® and C-I-L & Design® are registered trademarks of PPG Architectural Finishes, Inc., used under license by Premier Tech Home & Garden Inc.