



AGTIV[®]

SOYBEAN | GUIDE 2025

Yield details available upon request.

AGTIV®

DESIGNED BY NATURE. PERFECTED BY SCIENCE.



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AGTIV®

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BENEFITS FOR SOYBEAN

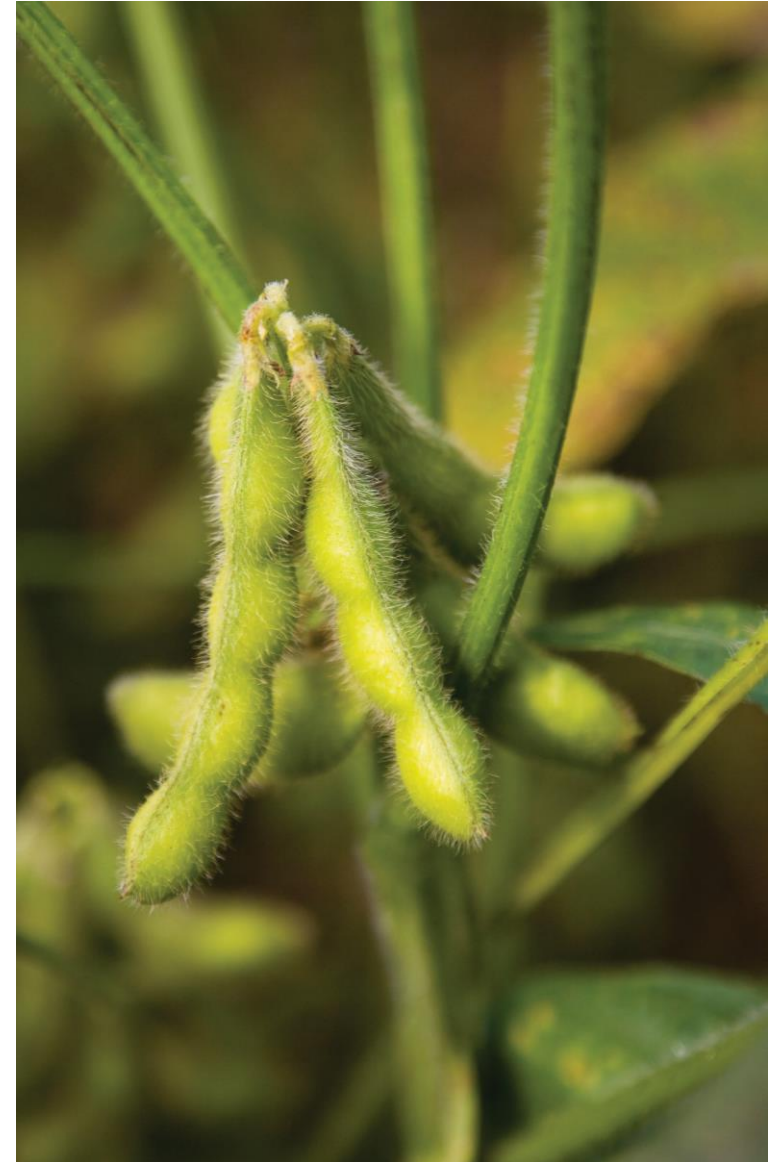
AGTIV® FUEL™ brings the **power of nitrogen** to the plant for **faster** and **stronger growth**.

AGTIV® FUEL™ gives the plant the push it needs to achieve its **potential**.

AGTIV® THRIVE™ helps plants flourish by improving the fixation and **uptake** of **nitrogen, nutrients** and **water**, while **protecting** against stressors like drought and soil compaction.

AGTIV® THRIVE™ contributes to better growth, thus increasing crop **yield** and **quality**.

AGTIV® ENRICH™ helps plants uptake **more nitrogen** for **stronger growth**. The result: **healthier plants** with more **consistent yields**.



EFFECTIVE ON SOYBEAN

AGTIV®

Ontario (Canada)



Ontario (Canada)

Ontario (Canada)



Quebec (Canada)

AGTIV® FUEL™

AGTIV®



ACTIVE INGREDIENT(S)	ORGANIC	APPLICATION MODE				FORMULATION
		GRANULAR IN-FURROW	MIXING WITH SEEDS	LIQUID IN-FURROW	LIQUID ON SEED	

AGTIV® FUEL™ G SOYBEAN

F: Granules (peat)
 S: 18.2 kg (40 lb) bag – 364 kg (800 lb) tote bag
 C: Soybean: Bag: 4 ha (10 acres) – Tote bag: 80 ha (200 acres)

R	*	●				●●●●
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AGTIV® FUEL™ L SOYBEAN *

F: Liquid
 S: 8 L (8 kg) bag-in-box
 C: Soybean: 16 ha (40 acres) or 5680 kg of seeds (250 units)

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GRANULAR IN-FURROW

AGTIV[®] FUEL[™] G SOYBEAN



ACTIVE INGREDIENT:

R RHIZOBIUM – PTB162 Technology
Bradyrhizobium japonicum: 1.1 x 10⁸ viable cells/g

**COVERS
10/200
acres**

INERT INGREDIENT:

Peat
PARTICLE SIZE: 0.3 mm to 2 mm (10 - 50 mesh)
BULK DENSITY: 650 g/L (41 lb/ft³)

SIZE	COVERS	CODE
18.2 kg (40 lb) – bag	4 ha (10 acres)	710511
364 kg (800 lb) – tote bag	80 ha (200 acres)	710512

DIRECTIONS FOR USE

Apply in the seed row at a rate of 4.5 kg/ha (4 lb/acre).

LIQUID FOR IN-FURROW OR ON SEED

AGTIV[®] FUEL[™] L SOYBEAN



ACTIVE INGREDIENT:

R RHIZOBIUM – PTB162 Technology
Bradyrhizobium japonicum: 8 x 10⁸ viable cells/g

**TREATS
250
units**

PARTICLE SIZE: < 0.1 mm (150 mesh)

Contains non-soluble particles

SIZE	COVERS	CODE
8 L (8 kg) – bag-in-box	In-furrow: 16 ha (40 acres) On seed: 5680 kg of seeds (250 units)	710604

DIRECTIONS FOR USE

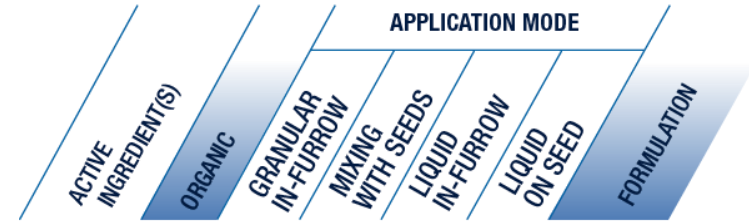
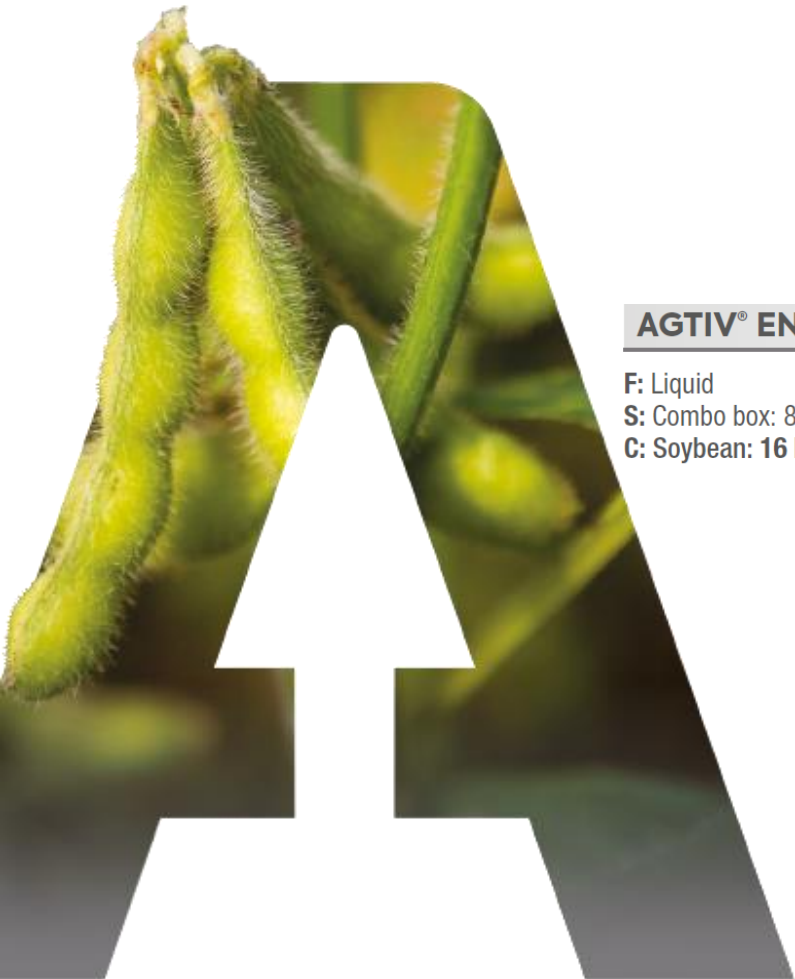
ON SEED — Shake well before use and apply directly to the seed. Apply 64 ml per 45.5 kg of seeds, ensure full coverage. Optimum on-seed viability for 30 days when treated seeds are stored below 12°C (54°F).

IN-FURROW — Apply directly in the seed row at a rate of 500 ml/ha (200 ml/acre). This product should be applied using the AGTIV[®] Liquid Injection Kit. To apply, prepare the product mixture and adjust the Dosatron[®] injection rate following the application chart and video at PTAGTIV.COM/en/liquid-injection-kit.

* Use EXTENDER[™] L for AGTIV[®] inoculants for longer shelf life.

AGTIV® ENRICH™

AGTIV®



AGTIV® ENRICH™ SOYBEAN *

F: Liquid
S: Combo box: 8 L (8 kg) (*Bradyrhizobium*) bag-in-box + 300 ml (*Bacillus*) bottle
C: Soybean: 16 ha (40 acres) or 5680 kg of seeds (250 units)

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AGTIV® ENRICH™

AGTIV®



COMBO LIQUID FOR IN-FURROW OR ON SEED

AGTIV® ENRICH™ SOYBEAN



ACTIVE INGREDIENTS:

B BACILLUS – PTB180 Technology
Bacillus pumilus: 3 x 10⁹ viable spores/g

R RHIZOBIUM – PTB162 Technology
Bradyrhizobium japonicum: 8 x 10⁹ viable cells/g

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

TREATS
250
units

SIZE	COVERS	CODE
Combo box:	In-furrow: 16 ha (40 acres)	710814
8 L (8 kg) – bag-in-box	On seed: 5680 kg of seeds (250 units)	
300 ml – bottle		

DIRECTIONS FOR USE

ON SEED — Mix the bladder of *Bradyrhizobium* and the bottle of *Bacillus* in the application tank. Apply at a rate of 66.4 ml/45.5 kg of seeds. Agitate constantly during application to keep bacteria in suspension. Optimum on-seed viability for 30 days when treated seeds are stored below 12°C (54°F).

IN-FURROW — Mix the content of the bladder and the bottle in the mix tank. Dilute the inoculants in the required volume of clean, non-chlorinated water according to the product label. Apply in the furrow, directly on the seed, at a rate of 518.75 ml/ha (207.5 ml/acre).

* Use EXTENDER™ L for AGTIV® inoculants for longer shelf life.

P PREMIER
TECH

F: Formulation
S: Size
C: Coverage

✓ For organic use
* Non eligible for organic use.
Contact us for more details.

PTAGTIV.COM

EXTENDER™ L FOR AGTIV®

AGTIV®



LIQUID ADDITIVE FOR SEED APPLICATION

EXTENDER™ L for AGTIV® inoculants is a liquid additive designed for on seed application of AGTIV® inoculants, in order to prevent desiccation.

DIRECTIONS FOR USE

A bag of EXTENDER™ L for AGTIV® inoculants can treat up to 250 units of soybean or 240 bushels of pulses. Apply to seeds at a rate of 12.8 ml / 45 kg of seeds for soybean and 6.6 ml / 27 kg of seeds for pulses.

RECOMMENDATIONS

- Open package only when ready to use.
- Shake well before use and maintain a constant and effective agitation in the tank during application.
- Calibrate the application system to deliver the correct amount of mixture of AGTIV® inoculant and EXTENDER™ L for AGTIV® inoculants.
- Ensure the tank and the liquid application system are clean and free of chemical residues.
- Ensure the temperature of the diluted tank mix does not exceed 22°C (72°F).
- Prepare only as much of mixture as will be used that day.
- Ensure full seed coverage.
- Apply within 6 hours following mix into the tank.
- Respect the best before date on the label.

AGTIV® THRIVE™

AGTIV®



ACTIVE INGREDIENT(S)	ORGANIC	APPLICATION MODE				FORMULATION
		GRANULAR IN-FURROW	MIXING WITH SEEDS	LIQUID IN-FURROW	LIQUID ON SEED	

AGTIV® THRIVE™ P SOYBEAN

F: Powder (peat)
 S: 4.7 kg (10.3 lb) pail
 C: Soybean: **16 ha (40 acres)**

M R	☑		●			●●●●●
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AGTIV® THRIVE™ G SOYBEAN

F: Granules (peat)
 S: 18.2 kg (40 lb) bag – 364 kg (800 lb) tote bag
 C: Soybean: Bag: **4 ha (10 acres)** – Tote bag: **80 ha (200 acres)**

M R	*		●			●●●●●
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AGTIV® THRIVE™ SOYBEAN

F: Liquid
 S: Combo box: 8 L (8 kg) bag-in-box + 2 x 950 ml (2 x 32 fl. oz) bottles
 C: Soybean: **16 ha (40 acres)**

M R	☑			●		●
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F: Formulation
 S: Size
 C: Coverage

☑ For organic use
 * Non eligible for organic use.
 Contact us for more details.

PTAGTIV.COM

AGTIV® THRIVE™



ON-FARM MIXING WITH SEEDS

AGTIV® THRIVE™ P SOYBEAN



ACTIVE INGREDIENTS:

- M** MYCORRHIZAE – PTB297 Technology
Rhizophagus irregularis: 2 750 viable spores/g
- R** RHIZOBIUM – PTB162 Technology
Bradyrhizobium japonicum: 2.5 x 10⁹ active cells/g

INERT INGREDIENT: Peat

PARTICLE SIZE: < 1 mm (18 mesh)

BULK DENSITY: 400 g/L (1 lb/US dry qt)

SIZE	COVERS	CODE
4.7 kg (10.3 lb) – pail	16 ha (40 acres)	710703

DIRECTIONS FOR USE

DRY APPLICATION — Mix evenly with seeds at the bottom of the grain auger while filling drill, or directly in the drill box. Ensure uniform seed coverage is obtained. Apply at 300 g/ha (120 g or 4.2 oz/acre).

SLURRY APPLICATION — Pour one 4.7 kg pail in a clean container. Gradually add 8-10 litres of clean, non-chlorinated water and stir well. Add more water if the slurry is too thick. Pour onto the seeds and mix thoroughly to ensure even coating.

**COVERS
40
acres**

GRANULAR IN-FURROW

AGTIV® THRIVE™ G SOYBEAN



ACTIVE INGREDIENTS:

- M** MYCORRHIZAE – PTB297 Technology
Rhizophagus irregularis: 178 viable spores/g
- R** RHIZOBIUM – PTB162 Technology
Bradyrhizobium japonicum: 1.1 x 10⁹ viable cells/g

INERT INGREDIENT: Peat

PARTICLE SIZE: 0.3 mm to 2 mm (10 - 50 mesh)

BULK DENSITY: 650 g/L (41 lb/ft³)

SIZE	COVERS	CODE
18.2 kg (40 lb) – bag	4 ha (10 acres)	710501
364 kg (800 lb) – tote bag	80 ha (200 acres)	710502

DIRECTIONS FOR USE

Apply in the seed row at a rate of 4.5 kg/ha (4 lb/acre).

**COVERS
10/200
acres**

COMBO LIQUID FOR IN-FURROW

AGTIV® THRIVE™ SOYBEAN



ACTIVE INGREDIENTS:

- M** MYCORRHIZAE – PTB297 Technology
Rhizophagus irregularis: 6400 viable spores/g
- R** RHIZOBIUM – PTB162 Technology
Bradyrhizobium japonicum: 8 x 10⁹ viable cells/g

INERT INGREDIENT: Water

PARTICLE SIZE: < 0.2 mm (70 mesh) – PTB297 Technology

< 0.1 mm (150 mesh) – PTB162 Technology

Contains non-soluble particles

SIZE	COVERS	CODE
Combo box: 2 x 950 ml (2 x 32 fl. oz) – bottles 8 L (8 kg) – bag-in-box	16 ha (40 acres)	710614

DIRECTIONS FOR USE

This product should be applied using the AGTIV® Liquid Injection Kit. To apply, pour 2 x 950 ml bottles of Mycorrhizae and one 8 L bladder of Rhizobium in the tank and adjust the Dosatron® injection rate following the application chart and video at PTAGTIV.COM/en/liquid-injection-kit.

Apply directly in the seed row at a rate of 118.75 ml/ha (47.5 ml/acre) for Mycorrhizae and 500 ml/ha (200 ml/acre) for Rhizobium, for a total of 618.75 ml/ha (247.5 ml/acre). If the mixture does not contain pesticides or fertilizers, it can be emptied, refrigerated and used within 24 hours.

**COVERS
40
acres**

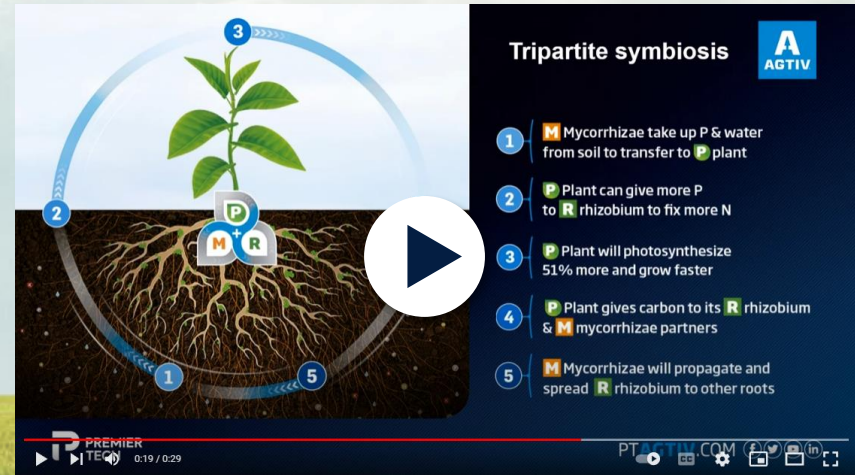


F: Formulation
S: Size
C: Coverage

✓ For organic use
* Non eligible for organic use.
Contact us for more details.

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TRIPARTITE SYMBIOSIS



EXPLAINED BY OUR EXPERTS

PROGRAM

AGTIV[®] LIQUID INJECTION KIT

AGTIV[®]

- The AGTIV[®] Liquid Injection Kit is designed to apply the AGTIV[®] liquid products.
- The kit must be installed on the existing in-furrow liquid system of the planter as shown in the application videos.
- The mycorrhizae must be injected directly in the furrow close to the seeds.
- **GOAL:** To facilitate the use and application of the AGTIV[®] with maximum accuracy and without affecting the mycorrhizae spores and in-furrow equipment.



YIELD RESULTS

AGTIV[®]



SOYBEAN



3.4 bu/ac
6.9%

AGTIV[®] THRIVE[™] SOYBEAN
89 sites over 9 years, Canada and Europe

1.7 bu/ac
2.8%

AGTIV[®] ENRICH[™] SOYBEAN
7 third-party trials over 3 years, Canada



[CLICK HERE FOR DETAILS](#)

PESTICIDES AND FERTILIZERS COMPATIBILITY

Single action rhizobium products **FUEL** legumes by fixing nitrogen for better growth.

Dual action mycorrhizae and rhizobium products make plants **THRIVE** by increasing nutrient uptake.

Dual action rhizobium and Bacillus collaborate to **ENRICH** the plant's nitrogen fixation with a healthy root system.

Our inoculants are compatible with most pesticides and liquid fertilizers.

Mycorrhizae

PESTICIDES

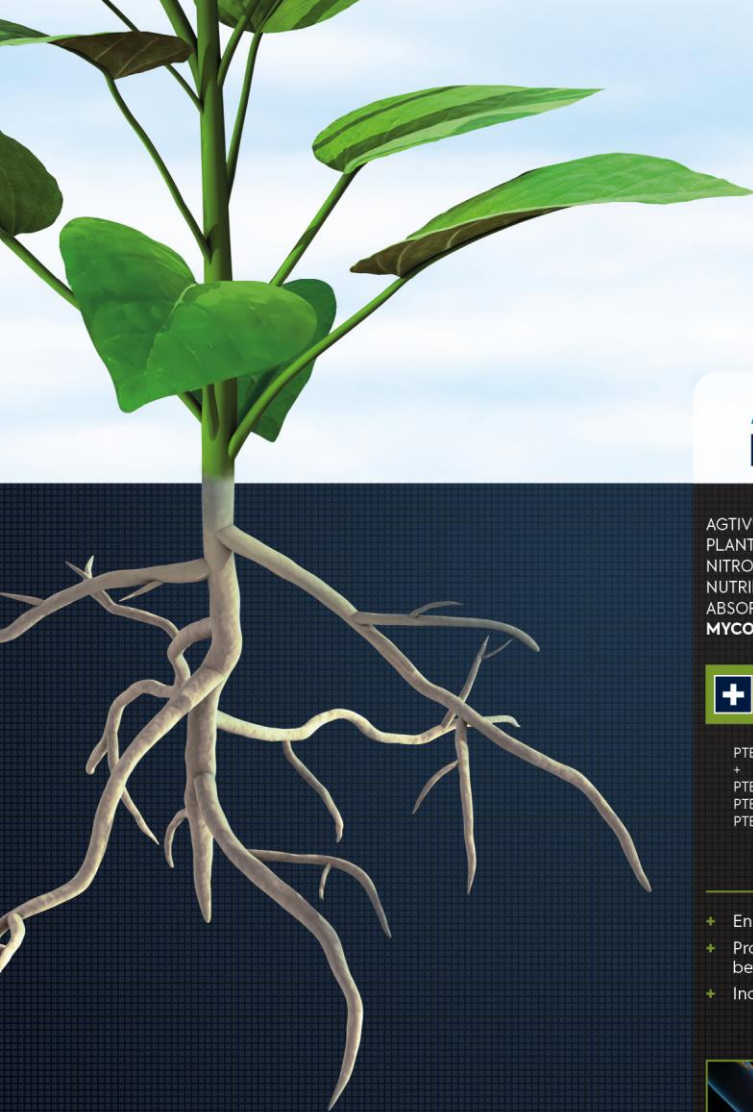
**LIQUID FERTILIZER
IN-FURROW**

**LIQUID FERTILIZER
ON SEED**

Rhizobium

PESTICIDES

**LIQUID FERTILIZER
IN-FURROW**



AGTIV.

BIOLOGICAL ACTIVE INGREDIENTS

For more than 100 years, Premier Tech has been growing along with producers. Being a world leader in the industrial production of mycorrhizal inoculants has inspired us to go further in our search for natural technologies. Since then, we have introduced the benefits of *Bacillus*, rhizobium, and *Serendipita* to the agricultural market. Furthermore, we have combined these powerful technologies to improve the quality and the yield of crops for the benefit of our clients.

AGTIV. THRIVE.

AGTIV® THRIVE™ POWERS PLANTS BY BOOSTING NITROGEN FIXATION, NUTRIENT AND WATER ABSORPTION THANKS TO **MYCORRHIZAE & RHIZOBIUM**

+ MYCORRHIZAE + RHIZOBIUM

PTB297 Technology + PTB160 (pea & lentil) PTB162 (soybean) PTB161 (chickpea)

- + Enhances P uptake
- + Provides more energy for better nitrogen fixation
- + Increases photosynthesis



AGTIV. ENRICH.

AGTIV® ENRICH™ STRENGTHENS LEGUME NITROGEN FIXATION AND PROVIDES A VIGOROUS ROOT SYSTEM THANKS TO **RHIZOBIUM & BACILLUS**

+ RHIZOBIUM + BACILLUS

PTB162 Technology + PTB180 Technology

- + Increases nodulation and nitrogen fixation
- + Improves rooting environment
- + Enhances plant vigor and productivity



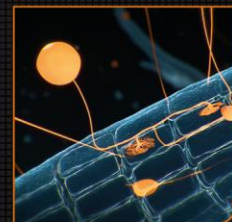
AGTIV. REACH.

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



AGTIV. IGNITE.

AGTIV® IGNITE™ IMPROVES PHOTOSYNTHESIS AND MITIGATES IMPACT OF ENVIRONMENTAL STRESSES THANKS TO **SERENDIPITA**

S SERENDIPITA

PTB299 Technology, *Serendipita indica*

- + Mitigates abiotic stresses
- + Increases photosynthesis rate
- + Enhances plant establishment, growth and yield



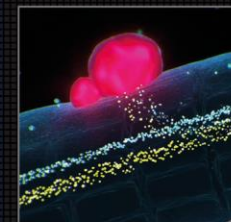
AGTIV. FUEL.

AGTIV® FUEL™ FEEDS LEGUMES BY FIXING ATMOSPHERIC NITROGEN THANKS TO **RHIZOBIUM**

R RHIZOBIUM

PTB160 Technology (pea & lentil) *Rhizobium leguminosarum* biovar *viciae* PTB162 Technology (soybean) *Bradyrhizobium japonicum* PTB161 Technology (chickpea) *Mesorhizobium onobrychidis*

- + Increases nodulation
- + Fixes nitrogen
- + Provides nutrients to pulses



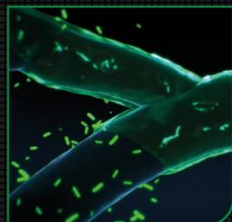
AGTIV. STIMULATE.

AGTIV® STIMULATE™ REINFORCES PLANTS WITH A HEALTHY ROOT ZONE THANKS TO **BACILLUS**

B BACILLUS

PTB180 Technology, *Bacillus pumilus* PTB185 Technology, *Bacillus Inaquosorum*

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



Learn more at

[PTAGTIV.COM/en/technologies](https://ptagtiv.com/en/technologies)

CLICK ON A PICTURE TO SEE THE TECHNOLOGY IN ACTION

Since entering the agriculture market 15 years ago, we are constantly widening our AGTIV® inoculant offering to suit and benefit more crops.

While staying true to the AGTIV® brand's three pillars: **NATURE, SCIENCE** and **PERFORMANCE**, we are introducing new product names reflecting the actions of our inoculants for plants.

AGTIV FUEL
Single action **rhizobium** products FUEL legumes by fixing nitrogen for better growth.

AGTIV ENRICH
Dual action **rhizobium** and **Bacillus** collaborate to ENRICH the plant's nitrogen fixation with a healthy root system.

AGTIV IGNITE
Single action **Serendipita** products IGNITE plant growth and chlorophyll content for better yields.

AGTIV THRIVE
Dual action **mycorrhizae** and **rhizobium** products make plants THRIVE by increasing nutrient uptake.

AGTIV STIMULATE
Single action **Bacillus** products STIMULATE the plant to grow more efficiently with a healthy root zone.

AGTIV REACH
Single action **mycorrhizae** products REACH into the soil and help uptake more nutrients and water.

AGTIV®

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

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

Discover more at

PTAGTIV.COM/brand

ONLINE TOOLS



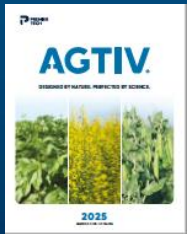
LABELS



EFFICACY REPORT



APPLICATION VIDEOS



BROCHURES



SOCIAL MEDIA

AND MUCH MORE:

[Safety data sheets](#), [organic certificates](#)

