



AGTIV[®]

SOYBEAN GUIDE 2026

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®



SOYBEAN

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)

R

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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

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	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).

**COVERS
10/200
acres**

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

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

**TREATS
250
units**

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®



SOYBEAN

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)

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



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

TREATS
250
units

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

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

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.

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®



SOYBEAN

AGTIV THRIVE® P SOYBEAN

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

M R



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



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



P PREMIER
TECH

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

**COVERS
40
acres**

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.

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 10⁸ viable cells/g

**COVERS
10/200
acres**

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	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).

AGTIV

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

**COVERS
40
acres**

INERT INGREDIENT: Water

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

< 0.1 mm (150 mesh) – PTB162 Technology

Contains non-soluble particles

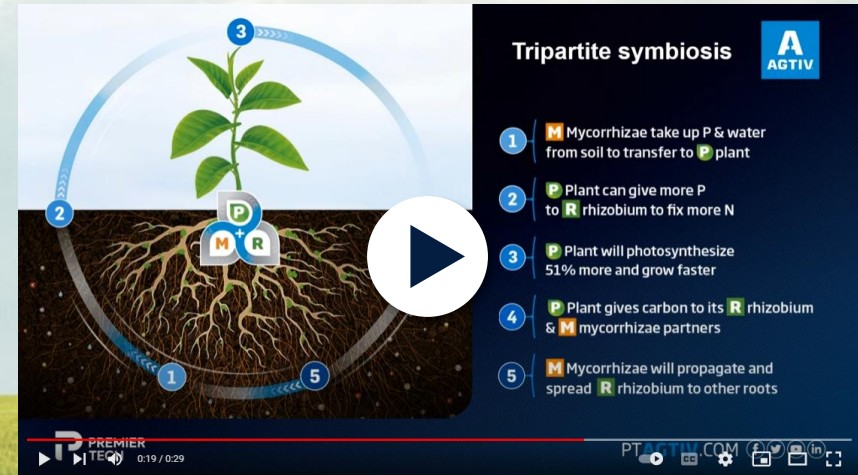
SIZE	COVERS	CODE
Combo box: 2 x 950 ml (2 x 32 fl. oz) – bottles 8 L (8 kg) – bag-in-box	16 ha (40 acres)	710614

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.

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



3.3 bu/ac
6.7%

AGTIV THRIVE[®] SOYBEAN
94 sites over 12 years,
North America and Europe

1.8 bu/ac
3.2%

AGTIV ENRICH[®] SOYBEAN
11 sites over 5 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

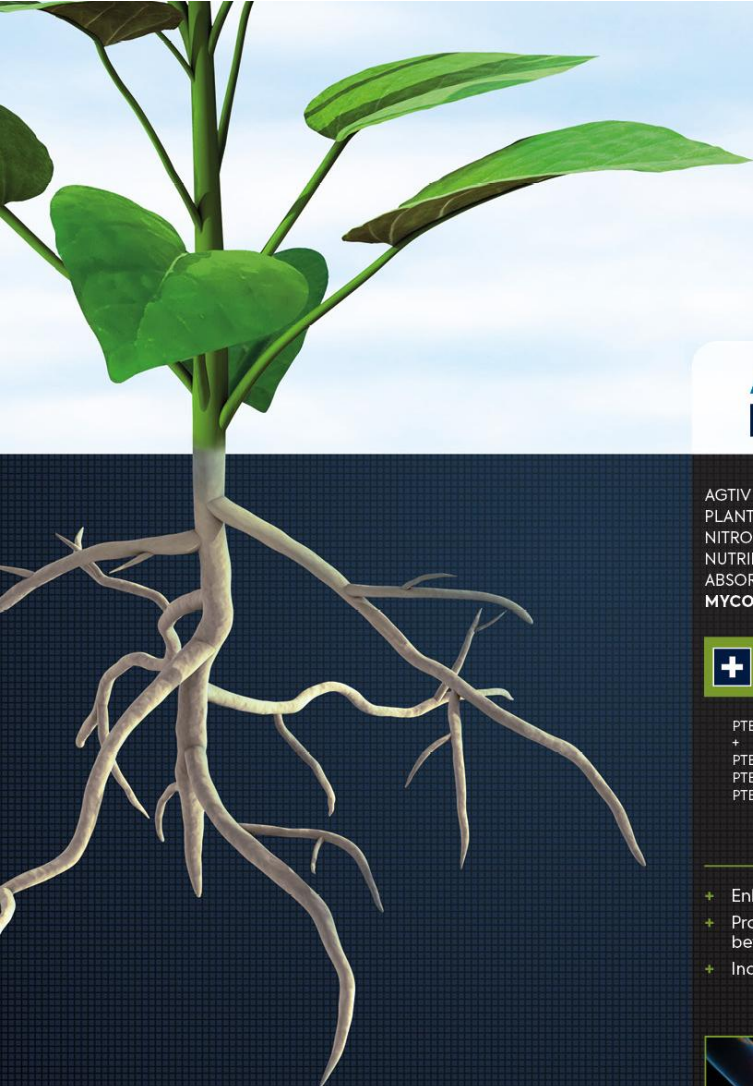
LIQUID FERTILIZER
IN-FURROW

LIQUID FERTILIZER
ON SEED

Rhizobium

PESTICIDES

LIQUID FERTILIZER
IN-FURROW



AGTIV.
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



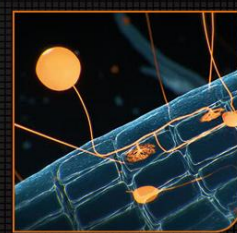
AGTIV.
REACH.

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



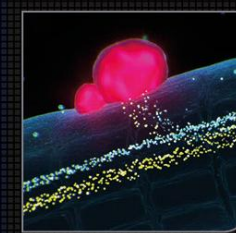
AGTIV.
FUEL.

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 ciceri*

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



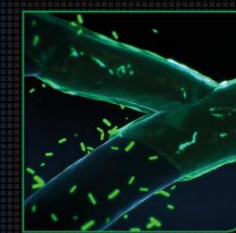
AGTIV.
STIMULATE.

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



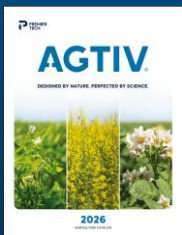
LABELS



EFFICACY REPORT



APPLICATION VIDEOS



BROCHURES



SOCIAL MEDIA

AND MUCH MORE

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

