



AGTIV[®]

SOYBEAN US GUIDE 2027

Yield details available upon request.

AGTIV[®]

DESIGNED BY NATURE. PERFECTED BY SCIENCE.



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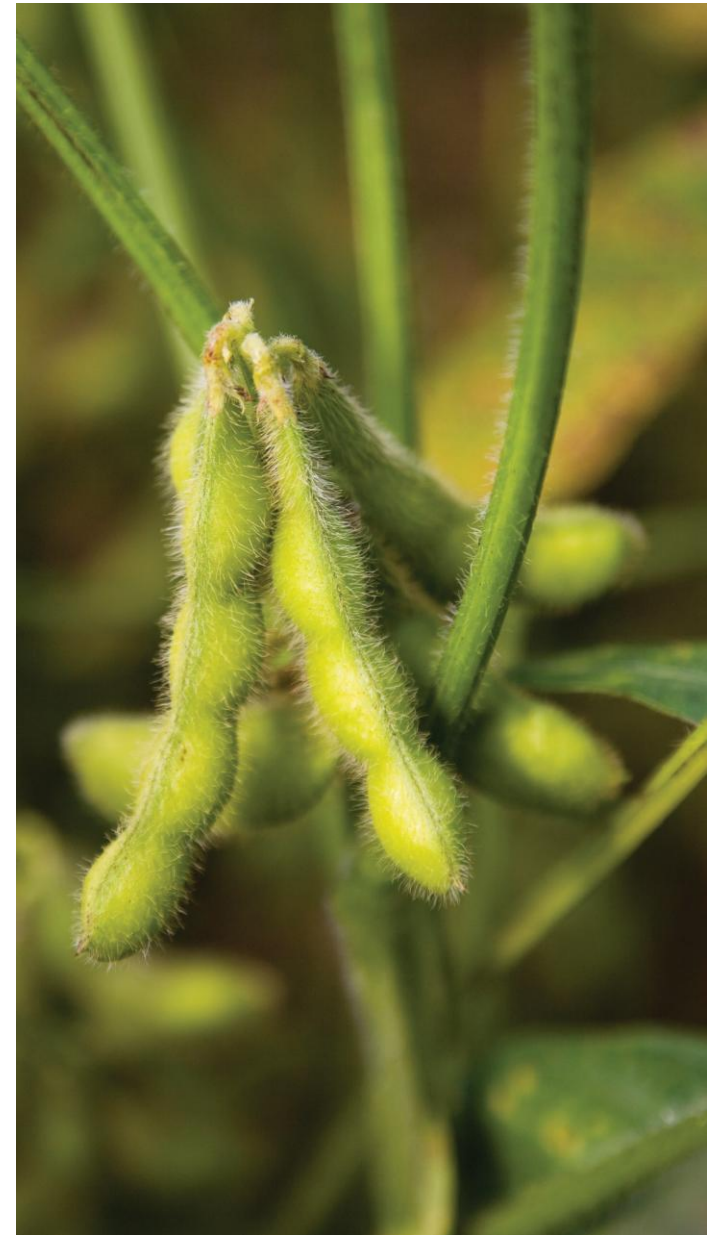
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BENEFITS FOR SOYBEAN

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.



EFFECTIVE ON SOYBEAN

Ontario (Canada)



Ontario (Canada)



Ontario (Canada)



Quebec (Canada)



AGTIV FUEL®

SOYBEAN



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

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 ac)** - Tote bag: **80 ha (200 ac)**

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

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

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 FUEL®

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 ac)	710511
364 kg (800 lb) - tote bag	80 ha (200 ac)	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 10⁹ 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 ac) 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 14°C (57°F).** For details, refer to PTAGTIV.COM/en/compatibility.

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 to prevent dessication and extend seeding window up to 240 days.

TREATS
250
units

EXTENDER™ L FOR AGTIV®



LIQUID ADDITIVE FOR SEED APPLICATION

EXTENDER™ L for AGTIV®



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®

SOYBEAN



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

AGTIV THRIVE® P SOYBEAN

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

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 ac) - Tote bag: 80 ha (200 ac)**

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 ac)**

M	✓	●			
R			●		●



AGTIV THRIVE®

ON-FARM MIXING WITH SEEDS

AGTIV THRIVE® P SOYBEAN



ACTIVE INGREDIENTS:

M MYCORRHIZAE - PTB297 Technology
Rhizophagus irregularis: 2750 viable spores/g

R RHIZOBIUM - PTB162 Technology
Bradyrhizobium japonicum: 2.5×10^9 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 ac)	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: 1.1×10^8 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 ac)	710501
364 kg (800 lb) - tote bag	80 ha (200 ac)	710502

AGTIV THRIVE®

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: 8×10^9 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 ac)	710614

DIRECTIONS FOR USE

This product should be applied using the **AGTIV® Liquid Injection Kit**. Pour the content of the bottles and the bladder in the tank and adjust the Dosatron® injection rate following the application chart and video at PTAGTIV.COM/en/liquid-injection-kit.

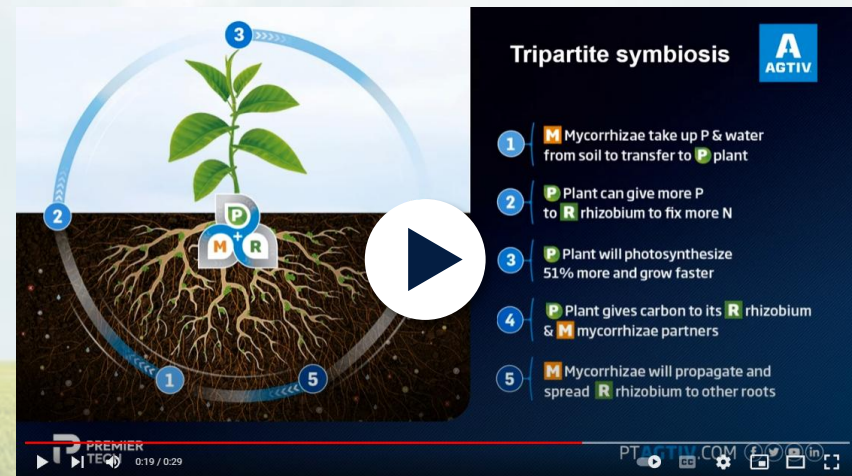
Apply directly in the seed row at a rate of 618.75 ml/ha (247.5 ml/acre). If the mixture does not contain pesticides or fertilizers, it can be emptied, refrigerated and used within 24 hours.

COVERS
40
acres



TRIPARTITE SYMBIOSIS

EXPLAINED BY OUR EXPERTS



AGTIV[®] LIQUID INJECTION KIT

Precise in-furrow application for AGTIV[®] liquid inoculants

- **Precise placement** directly in the furrow, near the seed
- **Easy integration** with the planter's existing in-furrow liquid system
- Designed to **protect mycorrhizae spore integrity**

See [installation video](#) for setup details.



AVERAGE YIELD INCREASE



SOYBEAN



3.3 bu/ac
6.7%

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



[CLICK HERE FOR DETAILS](#)

COMPATIBILITY

PESTICIDES AND FERTILIZERS

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[®]

TECHNOLOGIES

MORE THAN
40
years
OF EXPERTISE IN
ACTIVE INGREDIENTS

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)
PTB161 (chickpea)
PTB162 (soybean)

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



AGTIV[®]

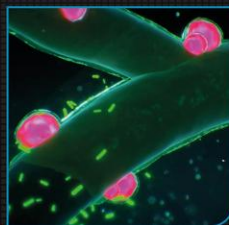
ENRICH

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[®]

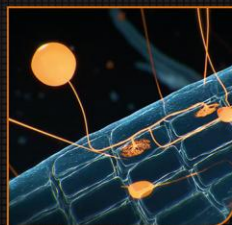
REACH

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[®]

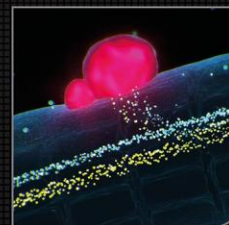
FUEL

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

R RHIZOBIUM

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

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



AGTIV[®]

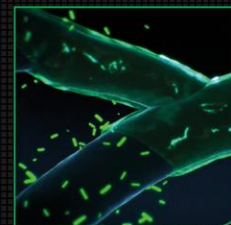
STIMULATE

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

B BACILLUS

PTB180 Technology,
Bacillus pumilus
PTB185 Technology,
Bacillus halotolerans

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



AGTIV[®]

UPTAKE

AGTIV UPTAKE[®] ENHANCES FERTILIZER AND SOIL NUTRIENT UPTAKE THANKS TO BENEFICIAL **BACTERIA**

B BACTERIA

PTB101 Technology,
Bacillus velezensis
PTB108 Technology,
Bacillus halotolerans
PTB124 Technology,
Pseudomonas putida

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



Learn more at

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

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

PEA, LENTIL & FABA BEAN	AGTIV THRIVE® P PEA & LENTIL									
	F: Powder (peat)						M R	✓	●	
	S: 4.7 kg (10.3 lb) pail - 2.4 kg (5.3 lb) pail									
	C: Pea & faba bean: Pail 4.7 kg: 16 ha (40 ac) - Pail 2.4 kg: 8 ha (20 ac)									
	Lentil: Pail 4.7 kg: 24 ha (60 ac)									
	AGTIV THRIVE® G PEA & LENTIL									
	F: Granules (peat)						M R	✓	●	
	S: 18.2 kg (40 lb) bag - 364 kg (800 lb) tote bag									
	C: Pea, lentil & faba bean: Bag: 4 ha (10 ac) - Tote bag: 80 ha (200 ac)									
	AGTIV THRIVE® PEA & LENTIL									
F: Liquid						M R	✓	●		
S: Combo box: 8 L (8 kg) bag-in-box + 4 x 950 ml (4 x 32 fl. oz) bottles										
C: Pea, lentil & faba bean: 32 ha (80 ac)										
AGTIV FUEL® P PEA & LENTIL										
F: Powder (peat)						R	✓	●		
S: 4.7 kg (10.3 lb) pail										
C: Pea & faba bean: 16 ha (40 ac)										
Lentil: 24 ha (60 ac)										
AGTIV FUEL® G PEA & LENTIL										
F: Granules (peat)						R	✓	●		
S: 18.2 kg (40 lb) bag - 364 kg (800 lb) tote bag										
C: Pea, lentil & faba bean: Bag: 4 ha (10 ac) - Tote bag: 80 ha (200 ac)										
AGTIV FUEL® L PEA & LENTIL 										
F: Liquid						R	✓	●		
S: 8 L (8 kg) bag-in-box										
C: Pea, lentil & faba bean: 32 ha (80 ac) or 6530 kg of seeds (240 bu)										
SOYBEAN	AGTIV THRIVE® P SOYBEAN									
	F: Powder (peat)						M R	✓	●	
	S: 4.7 kg (10.3 lb) pail									
	C: Soybean: 16 ha (40 ac)									
	AGTIV THRIVE® G SOYBEAN									
	F: Granules (peat)						M R	✓	●	
	S: 18.2 kg (40 lb) bag - 364 kg (800 lb) tote bag									
	C: Soybean: Bag: 4 ha (10 ac) - Tote bag: 80 ha (200 ac)									
	AGTIV THRIVE® SOYBEAN									
	F: Liquid						M R	✓	●	
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 ac)										
AGTIV FUEL® G SOYBEAN										
F: Granules (peat)						R	✓	●		
S: 18.2 kg (40 lb) bag - 364 kg (800 lb) tote bag										
C: Soybean: Bag: 4 ha (10 ac) - Tote bag: 80 ha (200 ac)										
AGTIV FUEL® L SOYBEAN 										
F: Liquid						R	✓	●		
S: 8 L (8 kg) bag-in-box										
C: Soybean: 16 ha (40 ac) or 5680 kg of seeds (250 units)										
AGTIV ENRICH® SOYBEAN 										
F: Liquid						R B	✓	●		
S: Combo box: 8 L (8 kg) bag-in-box + 300 ml bottle										
C: Soybean: 16 ha (40 ac) or 5680 kg of seeds (250 units)										

Learn more at
PTAGTIV.COM/en/products



CHICKPEA	AGTIV THRIVE® P CHICKPEA F: Powder (peat) S: 4.7 kg (10.3 lb) pail C: Chickpea: 16 ha (40 ac)	M	R	✓	●				
	AGTIV THRIVE® G CHICKPEA F: Granules (peat) S: 18.2 kg (40 lb) bag - 364 kg (800 lb) tote bag C: Chickpea: Bag: 4 ha (10 ac) - Tote bag: 80 ha (200 ac)	M	R	✓	●				
CANOLA, CORN & CEREALS	AGTIV IGNITE® L F: Liquid S: 11 L (11 kg) bag-in-box C: Canola: 454 kg (1000 lb) of seeds or 81 ha (200 ac) Cereal: 9165 kg (20 205 lb) of seeds or 81 ha (200 ac) Corn: 3000 kg (6614 lb) of seeds or 121 ha (300 ac)	S		✓		●			
	AGTIV UPTAKE® F: Liquid S: Combo box: 3.5 L (3.5 kg) + 3.5 L (3.5 kg) + 7 L (7 kg) bags-in-box C: Fertilizer: 7 to 50 metric tons, see page "FERTILIZER COMPLEMENT" for details.	B		✓	●	●	●		
FIELD & SPECIALTY CROPS	AGTIV REACH® P F: Powder (peat) S: Case of 4 x 800 g (4 x 1.75 lb) pails C: Cereal, flax & dry bean: 32 ha (80 ac) Alfalfa, mix forages & grass: 16 ha (40 ac) Vegetables, berries & garlic: see page "SPECIALTY CROPS" for details.	M		✓		●			
	AGTIV REACH® G F: Granules (peat) S: 6 kg (13.2 lb) pail - 18.2 kg (40 lb) bag - 364 kg (800 lb) tote bag C: Cereal, flax & dry bean: Bag: 4 ha (10 ac) - Tote bag: 80 ha (200 ac) Alfalfa, mix forages & grass: Bag: 45 kg of seeds (99 lb) - Tote bag: 720 kg of seeds (1584 lb) Vegetables, herbs, berries & fruit trees: see page "SPECIALTY CROPS" for details.	M		✓		●			
POTATO	AGTIV REACH® L F: Liquid (spores in suspension) S: Case of 2 x 950 ml (2 x 32 fl. oz) bottles C: Cereal, flax & bean: 16 ha (40 ac)	M		✓		●			
	AGTIV REACH® L POTATO F: Liquid (spores in suspension) S: Case of 2 x 950 ml (2 x 32 fl. oz) bottles C: Potato: 8 ha (20 ac)	M		✓		●	●		
POTATO	AGTIV REACH® P POTATO F: Powder (diatomaceous earth) S: Case of 2 x 300 g (2 x 10.5 oz) bag C: Potato: 16 ha (40 ac)	M		*		●	●		
	AGTIV STIMULATE® L POTATO F: Liquid S: 8 L (8 kg) bag-in-box C: Potato: 8 ha (20 ac)	B		✓		●			

See last page for complete product recommendations.

ACTIVE INGREDIENTS		LEGEND	
M MYCORRHIZAE PTB297 Technology	S SERENDIPITA PTB299 Technology	F: Formulation S: Size C: Crop/Coverage	 Available with EXTENDER™ L for AGTIV® inoculants  For organic use * Not eligible for organic use. Contact us for more details.
R RHIZOBIUM PTB160 Technology (pea & lentil) PTB161 Technology (chickpea) PTB162 Technology (soybean)	B BACTERIA PTB101 Technology PTB108 Technology PTB124 Technology PTB180 Technology PTB185 Technology	FORMULATIONS  Liquid  Granular  Powder	

ONLINE TOOLS



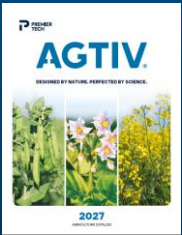
LABELS



EFFICACY REPORT



APPLICATION VIDEOS



BROCHURES



SOCIAL MEDIA

AND MUCH MORE

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

