

The AGTIV logo is rendered in a bold, blue, sans-serif typeface. A registered trademark symbol (®) is positioned to the upper right of the letter 'V'. The logo is centered horizontally and partially overlaps the sky and the field below.

AGTIV[®]

The text 'FIELD CROPS GUIDE 2027' is displayed in a white, bold, sans-serif font. It is contained within a dark blue rectangular box that has a slight 3D effect with a drop shadow. The box is centered horizontally and sits above the field of crops.

FIELD CROPS GUIDE 2027

AGTIV[®]

DESIGNED BY NATURE. PERFECTED BY SCIENCE.



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AGTIV[®]

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BENEFITS FOR FIELD CROPS

AGTIV REACH® creates the expansion of the root network by hyphae to reach further and uptake more nutrients and water, increasing resistance to stresses.

AGTIV REACH® ensures your plants are **stronger, healthier** and **more vigorous**.



EFFECTIVE ON FIELD CROPS

AGTIV®

DRY BEANS

Ontario (Canada)



Ontario (Canada)



FORAGES

Quebec (Canada)



Quebec (Canada)



Quebec (Canada)



Quebec (Canada)



AGTIV REACH®

FIELD & SPECIALTY CROPS



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

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	✓	●			●●●●●
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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	✓	●			●●●●●
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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	✓	●			●
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AGTIV REACH®

ON-FARM MIXING WITH SEEDS

AGTIV REACH® P



ACTIVE INGREDIENT:

M MYCORRHIZAE - PTB297 Technology
Rhizophagus irregularis: 8000 viable spores/g

COVERS
80
acres

INERT INGREDIENT: Peat

PARTICLE SIZE: < 1 mm (18 mesh)

BULK DENSITY: 500 g/L (1.2 lb/US dry qt)

SIZE	COVERS	CODE
4 x 800 g (4 x 1.75 lb) pails	Cereal, flax & dry bean: 32 ha (80 ac) Alfalfa, mix forages & grass: 16 ha (40 ac)	712324

DIRECTIONS FOR USE

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.

Cereals, flax & dry beans:

apply at 100 g/ha (40 g or 1.4 oz/acre).

Alfalfa, mix forages & grass:

apply at 200 g/ha (80 g or 2.8 oz/acre).

GRANULAR IN-FURROW

AGTIV REACH® G



ACTIVE INGREDIENT:

M MYCORRHIZAE - PTB297 Technology
Rhizophagus irregularis: 178 viable spores/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	Cereal, flax & dry bean: 4 ha (10 ac) Alfalfa, mix forages & grass: 45 kg of seeds (99 lb)	712101
364 kg (800 lb) tote bag	Cereal, flax & dry bean: 80 ha (200 ac) Alfalfa, mix forages & grass: 720 kg of seeds (1584 lb)	712102

DIRECTIONS FOR USE

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

LIQUID FOR IN-FURROW

AGTIV REACH® L



ACTIVE INGREDIENT:

M MYCORRHIZAE - PTB297 Technology
Rhizophagus irregularis: 6400 viable spores/g

COVERS
40
acres

INERT INGREDIENT: Water

PARTICLE SIZE: < 0.2 mm (70 mesh)

Contains non-soluble particles

SIZE	COVERS	CODE
2 x 950 ml (2 x 32 fl. oz) - bottles	16 ha (40 ac)	712204

DIRECTIONS FOR USE

One 950 ml bottle covers 8 ha (20 acres). Dilute the product in the required volume of clean, non-chlorinated water, according to the product label. Shake the bottle well before use and maintain a constant agitation in the tank during application to avoid settling and clogging. Apply directly in the seed row.

LIQUID INJECTION — To apply using the **AGTIV® Liquid Injection Kit**, prepare the product mixture and adjust the Dosatron® injection rate following the application chart and video at PTAGTIV.COM/en/liquid-injection-kit. If the mixture does not contain pesticides or fertilizers, it can be emptied, refrigerated and used within 24 hours.

TANK MIX — Refer to PTAGTIV.COM/en/REACH-L for application details.



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



BARLEY



6.4 bu/ac
7.5%

AGTIV REACH®
34 sites over 14 years,
Canada and Europe



DRY BEANS



266 lb/ac
9.1%

AGTIV REACH®
18 sites over 12 years, North America



DURUM WHEAT



3.5 bu/ac
5.8%

AGTIV REACH®
14 sites over 12 years, Canada



FORAGES



514 lb/ac
16.0%

AGTIV REACH®
47 sites over 2 years, Canada



[CLICK TILES FOR DETAILS](#)

COMPATIBILITY

PESTICIDES AND FERTILIZERS

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

Mycorrhizae inoculant is compatible with most pesticides and liquid fertilizers.

PESTICIDES

**LIQUID
FERTILIZER
IN-FURROW**

**LIQUID
FERTILIZER
ON SEED**

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[®]

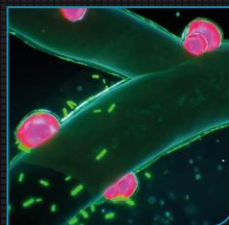
ENRICH

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[®]

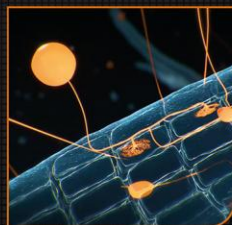
REACH

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[®]

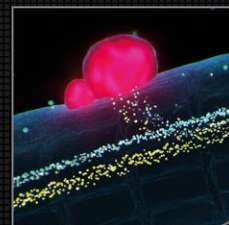
FUEL

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[®]

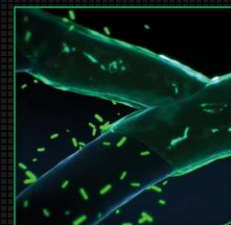
STIMULATE

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 B	✓	●		
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	✓						
CANOLA, CORN & CEREALS	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	✓						
FERTILIZER COMPLEMENT	AGTIV IGNITE® L									
	F: Liquid S: 11 L (1 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		✓						
FIELD & SPECIALTY CROPS	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		✓						
POTATO	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		✓						
	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		✓						
	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



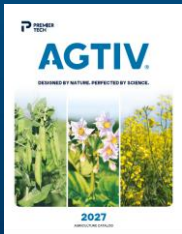
LABELS



EFFICACY REPORT



APPLICATION VIDEOS



BROCHURES



SOCIAL MEDIA

AND MUCH MORE

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

