

AGTIV[®]



EFFICACY REPORT 2026
DRY BEANS



DRY BEANS

AVERAGE YIELD INCREASE

AGTIV[®]
REACH[®]

266 lb/ac
9.1%

298 kg/ha

18 sites over 12 years
North America



Dry bean split field with AGTIV® vs untreated.
Faster plant development, larger plants and quicker row closure on the right.



AGTIV® dry bean plants are bigger with more branches and larger leaves.
With AGTIV®, the root mass is increased with darker green plants
(through more nutrient absorption).



EFFICACY REPORT
SUMMARY – MYCORRHIZAL INOCULANT

► PLOT TRIALS

Research partners:

- ICMS;
- Tall Pines Agricultural Research Ltd.

Research sites: Ontario

Treatments*:

- a) Untreated check;
- b) AGTIV REACH®.

*Products applied according to the manufacturer's recommended rate.

Experimental design:

- Randomized Complete Block Design:
3 trials (8 repetitions each)
- Split field: 15 demos

► GROWER DEMONSTRATIONS

Experimental design: Split field: 15 demos

Figure 1. Yields with and without AGTIV REACH®.

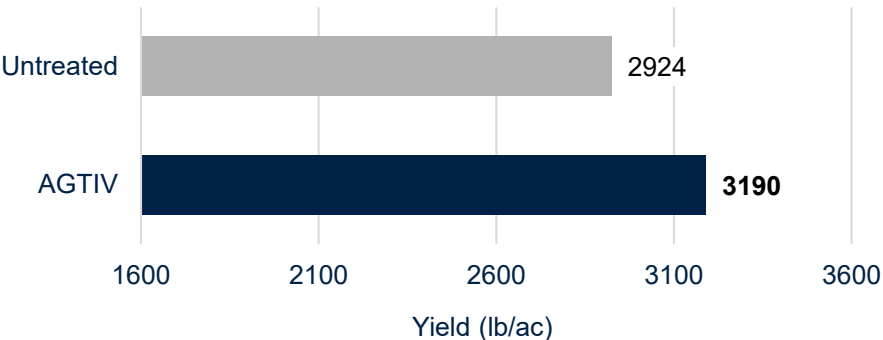


Table 1. Average yield increase with AGTIV REACH® per year for trials and demos

Year	Number of sites	Average increase		
		(lb/ac)	(kg/ha)	(%)
2014	2	337	378	13
2015	2	482	542	17.3
2016	5	130	146	5.5
2017	2	146	164	5.1
2020	1	462	518	10.7
2023	3	163	183	6.4
2024	1	589	660	25.5
2025	2	414	464	12
Total	18 sites	265.7 lb/ac	297.7 kg/ha	9.1%



Faster plant development, larger plants and quicker row closure.

► PLOT TRIAL

Research partner: ICMS

Research site: Portage la Prairie, MB

Treatments*: a) Untreated check;
b) AGTIV REACH® P;
c) AGTIV IGNITE® L.

*Products applied according to the manufacturer’s recommended rate.

Experimental design: Randomized Complete Block Design, 8 repetitions, 21.3 m² plots.

Variety: AAC Argosy treated with Cruiser Maxx Vibrance, Dynasty, and Precede

Previous crop: Fallow

Seeding details: Seeded on May 28 with a plot drilling machine at a rate of 96 kg/ha in a silty clay loam soil (pH: 7.9, OM: 6.5%).
Emergence on June 4.

OPERATIONAL NOTES AND RAIN FALL

Fertilisation: 45-39-11.2-11.2 (kg/ha) actual NPKS

Pesticides:

- Basagran Forte (0.145 L/ac): June 26
- Viper ADV (0.4 L/ac): June 26
- UAN (0.8 L/ac): June 26
- Acapela (0.35 L/ac): August 29
- Armory (1.11 L/ac): October 2
- Agral 90 (0.1 L/ 100 L): October 2

Harvesting: October 9, 2025

Month	Precipitation (mm)
May	25.1
June	11.9
July	46.3
August	197.9
September	39.6
TOTAL	320.8

Table 1. Summary of yields per treatment

Treatment	Yield (lb/ac)	Yield increase (lb/ac)
Untreated check	3024.0	-
AGTIV REACH® P	3504.0	480.0
AGTIV IGNITE® L	3366.0	342.0

► PLOT TRIAL

Research partner: Wellington Agricultural Research

Research site: Elmira, ON

Treatments*: a) Untreated check;
b) AGTIV REACH® P;
c) AGTIV IGNITE® L.

*Products applied according to the manufacturer’s recommended rate.

Experimental design: Randomized Complete Block Design,
8 repetitions, 18 m² plots.

Variety: Rogue treated with Cruiser Maxx Vibrance, Apron XL, and
Rancona Trio

Previous crop: Corn

Seeding details: Seeded on June 13 with a cone planter at a rate of 44.4 kg/ha in a
loam soil (pH: 7.7, OM: 3.4%).
Emergence on June 20.

OPERATIONAL NOTES AND RAIN FALL

Fertilisation: 5-27-27 (67 kg/ha): June 9

Pesticides: Treflan (2.3 L/ha): June 13

Harvesting: October 3, 2025

Month	Precipitation (mm)
June	60.2
July	83.7
August	55.5
September	65.3
TOTAL	264.7

Table 1. Summary of yields per treatment

Treatment	Yield (lb/ac)	Yield increase (lb/ac)
Untreated check	3978.0	-
AGTIV REACH® P	4326.0	348.0
AGTIV IGNITE® L	4548.0	570.0

► PLOT TRIAL

Research partner: Tall Pines Agricultural Research Ltd.

Research site: Rockwood, ON

Treatments*: a) Untreated check;
b) AGTIV REACH® P.

*Products applied according to the manufacturer’s recommended rate.

Experimental design: Randomized Complete Block Design,
8 repetitions, 18 m² plots.

Variety: HDC Rogue

Previous crop: Winter wheat

Seeding details: Seeded on June 13 with a cone planter at a rate of 63 lb/ac in a
sandy loam soil (pH: 7, OM: 2.5%).
Emergence on June 21.

OPERATIONAL NOTES AND RAIN FALL

Fertilisation: 120-60-90 (589 kg/ha): May 6

Pesticides:

- Dual II Magnum (1.75 L/ha): June 15
- Pursuit (0.21 L/ha): June 15
- Allegro (1 L/ha): July 28 and August 8

Harvesting: October 21, 2024

Month	Precipitation (mm)
June	87.3
July	139.5
August	61.9
September	24.9
TOTAL	313.6

Table 1. Summary of yields per treatment

Treatment	Yield (lb/ac)	Yield increase (lb/ac)
Untreated check	2309.8	-
AGTIV REACH® P	2898.8	589.0

EFFICACY REPORT 2026

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