

AGTIV[®]



EFFICACY REPORT 2026
POTATO



POTATO

AVERAGE MARKETABLE
YIELD INCREASE

AGTIV[®]
REACH[®]

31.5 cwt/ac
9.1%

3.6 t/ha

1202 sites over 15 years
North America and Europe

+
AGTIV[®]
STIMULATE[®]

10.3 cwt/ac
more

1.2 t/ha

16 third-party sites over 4 years
North America



Potato split field with AGTIV REACH® POTATO vs untreated.
Faster plant development and larger plants on the right,
and row closure occurs sooner with AGTIV®.



Increased tuber count per plant and marketable yield on AGTIV® side.



EFFICACY REPORT

SUMMARY – MYCORRHIZAL INOCULANT

► GROWER SPLIT FIELDS AND TRIALS

Research sites:

- Belgium;
- Canada;
- France;
- Germany;
- Mexico;
- Switzerland;
- United States.

Treatments*:

- a) Untreated;
- b) AGTIV REACH® L POTATO.

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

Experimental design:

- Randomized Complete Block Design: 21 trials (4-8 repetitions each)
- Split plot block: 1 trial (6 repetitions)
- Split field: 1180 demos

Table 1. Average increase of marketable yield* per region

Territory	Number of sites	Yield increase (t/ha)	Yield increase (cwt/ac)	Yield increase (%)
Canada	603	3.1	27.6	9.2
United States	67	3.3	29.8	10.8
Mexico	4	2.3	20	8.6
Belgium, France & Switzerland	496	4.1	36.3	9.9
Germany	32	4.2	37.4	10
Total	1 202 sites	3.6 t/ha*	31.5 cwt/ac**	9.1%

Table 2. Average increase of marketable yield* per year

Year	Number of sites	Yield increase (t/ha)	Yield increase (cwt/ac)	Yield increase (%)
2011	32	2.6	23.3	6.6
2012	33	3.2	28.5	9
2013	70	3.6	31.9	11.2
2014	116	4.5	40.3	12.8
2015	145	4	35.3	10.7
2016	243	3.9	34.8	10.5
2017	213	2.7	24	7.7
2018	113	3.4	30.2	11.2
2019	117	3.5	31.1	8.6
2020	49	2.9	25.6	9.8
2021	41	4.1	36.4	10.2
2022	12	3.4	29.2	7.8
2023	13	2.7	23.9	8
2024	2	2.1	18.7	8.7
2025	3	2.2	19.5	6.5
Total	1 202 sites	3.6 t/ha*	31.5 cwt/ac**	9.1%

* Statistically significant at p<001 following a T test.

**cwt/ac = 100 lb/ac

EFFICACY REPORT
2023 – MYCORRHIZAL INOCULANT

► PLOT TRIAL

Research partners: New-Marc Research Inc.

Research sites: St-Marc-sur-Richelieu

Treatments: a) Untreated check;
b) AGTIV REACH® L POTATO.

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

Experimental design: Split plot block,
6 repetitions, 21.6 m² plots.

Variety: Chieftain

Previous crop: Soybean

Seeding details: Seeded on May 27 at rate of 1700 kg seeds/ha in a clay loam soil
(pH: 7.3, OM: 3.7%).

Table 1. **Summary of yields per treatment**

Treatment	Yield (cwt/ac)	Yield increase (cwt/ac)
Untreated check	174.0	-
AGTIV REACH® L POTATO	184.0	10.0

OPERATIONAL NOTES AND RAIN FALL

Fertilisation: 14.5-21.7-12.7 (691 kg/ha): May 26
46-0-0 (217 kg/ha): June 20

Pesticides:

- Sencor 480 (2.25 L/ha): June 1
- Dual II Magnum (1.75 L/ha): June 1
- Delegate (240 g/ha): July 8 and 26

Harvesting: September 4, 2023

Month	Precipitation (mm)
May	51.6
June	111.5
July	218.9
August	126.8
September	42.8
TOTAL	551.6

EFFICACY REPORT
2019 – MYCORRHIZAL INOCULANT

► STRIP TRIAL

Research partner: Willard Waugh & Sons LTD.

Research site: Bedeque, PEI

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

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

Experimental design: 20 acres strip

Variety: Prospect

Previous crop: Alfalfa

Seeding details: Seeded May June 7, at 6 tubers/m with 33 cm row spacing.
Conventional tillage.

OPERATIONAL NOTES AND RAIN FALL

Fertilisation: 17-16-10 (392.4 kg/ac)

Pesticides:

- Titan
- Emesto

Harvesting: October 10, 2019

Month	Precipitation (mm)
June	113.0
July	26.6
August	115.1
September	204.9
October	100.0
TOTAL	559.6

Table 1. Summary of yields per treatment

Treatment	Yield (cwt/ac)	Yield increase (t/ac)
Untreated check	359.1	40.2
AGTIV REACH® L POTATO	405.2	45.4



► GROWER SPLIT FIELD TRIALS

Research Partner:
Research Sites:
Treatments:
Experimental design:

Eurocelp

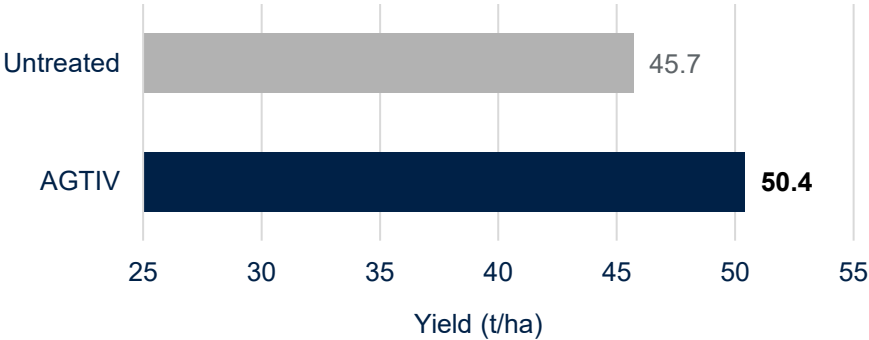
75 farms (fields) in France, Europe

a) Untreated;
b) AGTIV® mycorrhizal inoculant.

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

Every data point per field consists in an average of 3 samples each (untreated and AGTIV®).

Figure 1. Marketable potato yields (t/ha) per treatment (all markets)



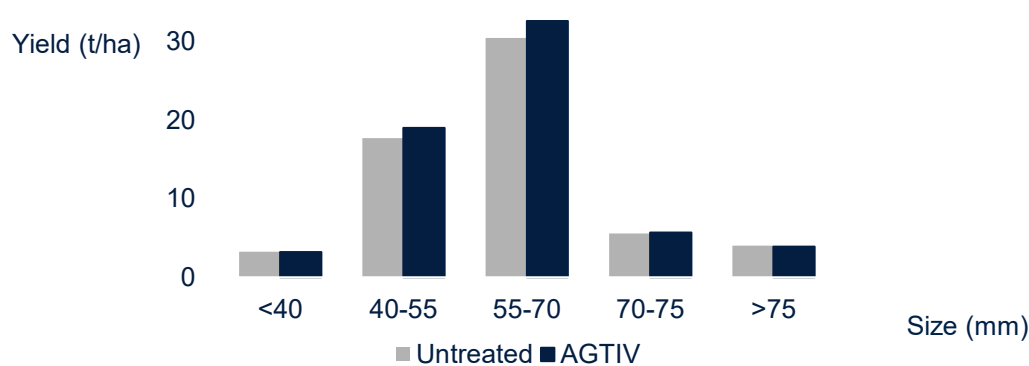
Before 2022:
AGTIV REACH® L POTATO was formerly known as AGTIV® POTATO

Table 1. Marketable potato yields per treatment (all markets)

Treatment	Yield (cwt/ac)	Yield increase (t/ac)	Difference (%)
Untreated	412.7	45.7	
AGTIV® mycorrhizal inoculant	455.1	50.4	+9.3%*

*Statistically significant at p≤0,05 using T Test analysis for paired samples.

Figure 2. Potato yield (t/ha) for the tablestock market (32 plots) by marketable size (40/75 mm)



► PLOT TRIAL

Research partner:	Independent consultant
Research site:	Rawdon, QC
Treatments:	a) Untreated check; b) AGTIV REACH® L POTATO*.
	*Products applied according to the manufacturer's recommended rate.
Experimental design:	Randomized Complete Block Design, 8 repetitions.
Variety:	Goldrush
Previous crop:	Potato in 2010, Wheat in 2009
Seeding details:	Planted manually in sandy soil. Each plot comprised four rows of 20 seed pieces (35.6 cm apart). Inoculant in liquid suspension applied in furrow. Planted May 21, 2011.

OPERATIONAL NOTES AND RAIN FALL

Fertilisation:	206 kg/ha N; 170 kg/ha P ₂ O ₅ and 270 kg/ha K ₂ O.
Pesticides:	• Actara: planting time • Quadris: planting time • Titan: planting time • Sencor: June 13 • Polyram: June 15 • Bravo: once a week from end of June to August 12 • Reason: August 12
Harvesting:	September 18, 2011

Table 1. Summary of marketable yields per treatment

Treatment	Yield (t/ha)	Yield (cwt/ac)	Average potato weight (g/potato tuber)
Untreated	8,4	74,9	123 ^a
AGTIV REACH® L POTATO	9,7	96,4	136.5 ^b

Results followed by different letters are statistically different according to Duncan
(Marketable yield at $p \leq 0.1$; Marketable potato weight at $p \leq 0.05$)

► PLOT TRIAL

Research partner:	Independent consultant
Research site:	Lyster, QC
Treatments:	a) Untreated check; b) AGTIV REACH® L POTATO*.
	*Products applied according to the manufacturer's recommended rate.
Experimental design:	Randomized Complete Block Design, 6 repetitions.
Variety:	Goldrush
Seeding details:	Each plot of 6 m (20 feet) long with 15 seed pieces per treatment. Inoculant in liquid suspension applied in furrow. Planted May 26.

OPERATIONAL NOTES AND RAIN FALL

Fertilisation:	According to host grower's recommendations.
Pesticides:	• Actara: planting time • Quadris: planting time

Month	Precipitation (mm)
May	39.8
June	104.4
July	48.8
August	112.0
September	184.8
TOTAL	489.8

Meteorological data from Québec

Table 1. **Summary of yields per treatment**

Treatment	Yield (t/ha)	Yield (cwt/ac)	Marketable tuber number per plot
Untreated	13	115	34 ^a
AGTIV REACH® L POTATO	17,2	153,5	48 ^b

Results followed by different letters are statistically different according to Duncan ($p \leq 0.1$)

EFFICACY REPORT
1999 – MYCORRHIZAL INOCULANT

► PLOT TRIAL

Research partner:	Laval University
Research site:	Lavaltrie, QC
Treatments:	a) Untreated check; b) AGTIV REACH® L POTATO*.
Experimental design:	Randomized Complete Block Design, 4 repetitions.
Variety:	Goldrush
Seeding details:	The trial plot consisted of 32 60-meter rows spaced at 0.9 meter.

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

OPERATIONAL NOTES AND RAIN FALL

Fertilisation: 1800 kg/ha of 10-12-12 (3% Mg, 0.22% B) at planting time;
336 kg/ha of 10-0-15 during the summer.

- Pesticides:**
- Fumigation:
 - Vapam: Previous fall
 - Insecticides:
 - Admire
 - Cymbush
 - Furadan
 - Herbicides:
 - Gramoxone
 - Lexone
 - Laroxe

Month	Precipitation (mm)
May	33.1
June	103.6*
July	58.9*
August	73.1
September	123.6
TOTAL	392.3

Meteorological data from Québec
* Plots were irrigated during those months.

Table 1. Summary of total yields per treatment

Treatment	Yield (cwt/ac)	Yield (t/ac)
Untreated check	446.1 ^a	49.4 ^a
AGTIV REACH® L POTATO	466.9 ^b	51.7 ^b

Results followed by different letters are statistically different according to Duncan ($p \leq 0.05$).

Table 2. Summary of marketable yields per treatment

Treatment	Yield (cwt/ac)	Yield (t/ac)
Untreated check	417.2 ^a	46.2 ^a
AGTIV REACH® L POTATO	442.5 ^b	49.0 ^b

Results followed by different letters are statistically different according to Duncan ($p \leq 0.05$).

EFFICACY REPORT

SUMMARY – MYCORRHIZAL & BACILLUS INOCULANT



► PLOT TRIALS

Research partners:

- Atlantic AgriTech Inc.;
- ICMS;
- New-Marc Research Inc.;
- Prairie Ag Research Inc.;
- Progest inc.;
- Tall Pines Agricultural Research Ltd.;
- Wellington Agricultural Research.

Research sites:

- Alberta;
- Manitoba;
- Ontario;
- Prince-Edward Island;
- Quebec.

Treatments*:

- a) AGTIV REACH® L POTATO;
- b) AGTIV REACH® L POTATO + AGTIV STIMULATE® POTATO.

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

Experimental design:

- Randomized Complete Block Design: 3 trials (6 repetitions each)
- Latin square: 13 trials (5-6 repetitions each)

Table 1. **Average increase of marketable yield* in cwt/ac per trial**

Year	Sites	AGTIV REACH®	AGTIV REACH® and AGTIV STIMULATE®	Yield increase*
2021	Sainte-Croix	320.3	319.3	-1
	Saint-Marc	107.8	112.8	5
	New Glasgow	242.1	247.4	5.3
	Rockwood	279.7	322.3	42.6
	Elmira	320.7	343.9	23.2
2022	Saint-Marc	145.4	142.2	-3.2
	Newton	235.9	237.8	1.9
	Newton	92.5	109.3	16.8
	Rockwood	402.5	429	26.5
2023	New Glasgow	413.1	425.6	12.5
	Raymond	138.5	141.1	2.6
	Underhills Farm	361.8	360	-1.8
	Newton	282.4	291.2	8.8
	Newton	482.7	502.3	19.6
2024	Portage la Prairie	238	235.7	-2.3
	Raymond	228	236.3	8.3
Average	16 sites	268.2^a	278.5^b	10.3 cwt/ac

*Comparison of the double inoculation vs AGTIV REACH® L POTATO

^{a,b}Yields with different letters are statistically different according (Tukey HSD test (p<0.05)).

EFFICACY REPORT
2024 – MYCORRHIZAL & BACILLUS INOCULANT



► PLOT TRIAL

Research partner: ICMS

Research site: Portage la Prairie, MB

Treatments*: a) Untreated check;
b) AGTIV REACH® L POTATO;
c) AGTIV REACH® L POTATO +
AGTIV STIMULATE® L POTATO.

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

Experimental design: Latin Square (LS),
6 repetitions, 21.96 m² plots.

Variety: E3 - Norland

Previous crop: Fallow

Seeding details: Seeded on June 15 with a potato planter at a rate of 2 290 kg/ha
in a silty clay loam soil (pH: 7.7, OM: 7.5%).
Emergence on June 30.

OPERATIONAL NOTES AND RAIN FALL

Fertilisation: 179-34-22.4-22.4 kg/ha NPKS: May 29

Pesticides:

- Prism (6 g/ac) and Agral (0.2% V/V): July 8
- Pounce (072 L/ac): July 10
- Silencer (05 L/ac), Poast Ultra (0.45 L/ac) and Merge (1% V/V): July 19
- Minecto Pro (0.271 L/ac): July 23 and August 30
- Bravo Zn (1 L/ac) and Quadris (0.5 L/ac): August 27

Harvesting: October 9, 2024

Table 1. Summary of yields per treatment

Treatment	Yield (cwt/ac)	Yield increase (cwt/ac)
Untreated check	220.1	-
AGTIV REACH® L POTATO	238	17.9
AGTIV REACH® L POTATO + AGTIV STIMULATE® L POTATO	235.7	15.6

Month	Precipitation (mm)
May	512.9
June	109.4
July	67.4
August	48.8
September	39.9
TOTAL	778.4

EFFICACY REPORT
2024 – MYCORRHIZAL & BACILLUS INOCULANT



► PLOT TRIAL

Research partner: Prairie Ag Research Inc.

Research site: Raymond, AB

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

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

Experimental design: Randomized Complete Block,
6 repetitions, 12 m² plots.

Variety: Norkotah

Previous crop: Barley

Seeding details: Seeded on May 29 with a potato planter at a rate of 2 500 kg/ha in
a clay loam soil (pH: 7.7, OM: 3.4%).
Emergence on June 21.

OPERATIONAL NOTES AND RAIN FALL

Fertilisation: 20-10-10-15 (100 kg/ha): April 6

Pesticides: Glyphosate: June 14

Harvesting: September 16, 2024

Month	Precipitation (mm)
May	175
June	57.1
July	19.4
August	52.5
TOTAL	304

Table 1. Summary of yields per treatment

Treatment	Yield (cwt/ac)	Yield increase (cwt/ac)
Untreated check	208.5	-
AGTIV REACH® P POTATO	228	19.5
AGTIV REACH® P POTATO + AGTIV STIMULATE® L POTATO	236.3	27.8

EFFICACY REPORT
2023 – MYCORRHIZAL & BACILLUS INOCULANT



► PLOT TRIAL

Research partners: Atlantic AgriTech Inc.

Research sites: New Glasgow, PEI

Treatments: a) Untreated check;
b) AGTIV REACH® L POTATO;
c) AGTIV REACH® L POTATO + AGTIV STIMULATE® L.

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

Experimental design: Latin Square (LS),
6 repetitions, 21.6 m² plots.

Variety: Gold Rush treated with Actara

Previous crop: Spring barley

Seeding details: Hand seeded on May 10 at a rate of 1900 kg/ha, in a sandy loam soil (pH: 6.5, OM: 2.4%).
Emergence on June 12.

OPERATIONAL NOTES AND RAIN FALL

Fertilisation: 15-15-15-2Mg (970 kg/ha): May 10

- Pesticides:**
- Armory (2.0 L/ha): September 4
 - Bravo ZN (2 L/ha): July 28 and August 24
 - Dual II Magnum (1.75 L/ha): June 1
 - Minecto PRO (556 mL/ha): July 15
 - NIS (2 L/1000L): July 15
 - Penncozeb DG 75 (2.25 kg/ha): July 6, 14, 23, August 3, 12, September 4
 - Phostrol 4.17 SL (5 L/ha): July 23
 - Sencor 75 DF (1.5 kg/ha): June 1
 - Zampro 4.38 SL (1 L/ha): August 12

Harvesting: October 10, 2023

Table 1. Summary of yields per treatment

Treatment	Yield (cwt/ac)	Yield increase (cwt/ac)
Untreated check	395.6	-
AGTIV REACH® L POTATO	413.1	17.5
AGTIV REACH® L POTATO + AGTIV STIMULATE® L	425.6	30.0

Month	Precipitation (mm)
May	41.2
June	113.0
July	115.0
August	147.8
TOTAL	417.0

EFFICACY REPORT
2023 – MYCORRHIZAL & BACILLUS INOCULANT



► PLOT TRIAL

Research partners: Prairie Ag Research Inc.

Research sites: Raymond, AB

Treatments: a) Untreated check;
b) AGTIV REACH® L POTATO;
c) AGTIV REACH® L POTATO + AGTIV STIMULATE® L;
d) AGTIV REACH® P POTATO;
e) AGTIV REACH® P POTATO + AGTIV STIMULATE® L.

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

Experimental design: Randomized Complete Block,
5 repetitions, 12 m² plots.

Variety: Norkotah

Previous crop: Spring barley

Seeding details: Seeded on May 9 at rate of 2000 kg/ha in a clay loam soil
(pH: 7.3, OM: 3.7%).
Emergence on June 2.

Table 1. Summary of yields per treatment

Treatment	Yield (cwt/ac)	Yield increase (cwt/ac)
Untreated check	130.8	-
AGTIV REACH® L POTATO	138.5	7.7
AGTIV REACH® L POTATO + AGTIV STIMULATE® L	141.1	10.3
AGTIV REACH® P POTATO	139.3	8.7
AGTIV REACH® P POTATO + AGTIV STIMULATE® L	140.3	9.5

OPERATIONAL NOTES AND RAIN FALL

Fertilisation: None

Pesticides: Roundup WeatherMAX: May 26

Harvesting: September 12, 2023

Month	Precipitation (mm)	Irrigation (mm)
May	13.2	15.0
June	30.1	30.0
July	7.8	45.0
August	26.2	-
TOTAL	77.3	90.0

EFFICACY REPORT

2022 – MYCORRHIZAL & BACILLUS INOCULANT



► PLOT TRIAL

Research partner: New-Marc Research Inc.

Research site: St-Marc-sur-Richelieu, QC

Treatments: a) Untreated Check;
b) AGTIV REACH® L POTATO;
c) AGTIV REACH® L POTATO + AGTIV STIMULATE® L.

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

Experimental design: Randomized Complete Block (RCB), 6 repetitions, 21.6 m² plots.

Variety: Chieftain

Previous crop: Spring wheat

Seeding details: Seeded on May 25 at a rate of 2250 kg/ha in a clay soil (pH: 6.3, OM: 4.2%).
Emergence on June 9.

OPERATIONAL NOTES AND RAIN FALL

Fertilisation: 16.9-22.2-12.7 (675 kg/ha): May 23
46-0-0 (109 kg/ha): June 14

Pesticides:

- Sencor 480 (2.25 L/ha): June 20
- Dual II Magnum (1.75 L/ha): June 20
- Delegate (240 g/ha): July 7

Harvesting: September 6, 2022

Table 1. Summary of yields per treatment

Treatment	Yield (cwt/ac)	Yield increase (cwt/ac)
Untreated check	138.4	-
AGTIV REACH® L POTATO	145.4	7.0
AGTIV REACH® L POTATO + AGTIV STIMULATE® L	142.2	3.8

Month	Precipitation (mm)
May	110.6
June	121.7
July	130.4
August	114.1
September	133.8
TOTAL	610.6

EFFICACY REPORT

2022 – MYCORRHIZAL & BACILLUS INOCULANT

POTATO 

AGTIV

REACH

+

AGTIV

STIMULATE

► PLOT TRIAL

Research partner:	Atlantic AgriTech Inc.
Research site:	Newton, PEI
Treatments:	a) Untreated check; b) AGTIV REACH® L POTATO; c) AGTIV REACH® L POTATO + AGTIV STIMULATE® L.
	*Products applied according to the manufacturer's recommended rate.
Experimental design:	Randomized Complete Block, 6 repetitions, 24 m ² plots.
Variety:	Gold Rush treated with Actara
Previous crop:	Turnip
Seeding details:	Hand seeded on May 20 at a rate of 1250 kg/ha in a sandy loam soil (pH: 5.4, OM: 2.3%). Emergence on June 8.

Table 1. Summary of yields per treatment

Treatment	Yield (cwt/ac)	Yield increase (cwt/ac)
Untreated check	232.2	-
AGTIV REACH® L POTATO	235.9	3.7
AGTIV REACH® L POTATO + AGTIV STIMULATE® L	237.8	5.6

OPERATIONAL NOTES AND RAIN FALL

Fertilisation:	15-15-15-4S-2Mg (1000 kg/ha): May 19
Pesticides:	• Lorox DF (3 L/ha): June 12 • Sencor 75DF (1.7 L/ha): June 12 • Coragen (350 mL/ha): July 17 • Penncozeb (2.24 kg/ha): July 17 + once a week from July 27 until August 19 • Reglone Ion (2.47 L/ha): September 3
Harvesting:	September 20, 2022

Month	Precipitation (mm)
May	51.2
June	78.0
July	60.0
August	130.6
September	130.6
TOTAL	478.6

EFFICACY REPORT

2022 – MYCORRHIZAL & BACILLUS INOCULANT



► PLOT TRIAL

Research partner: Tall Pines Agricultural Research Ltd.

Research site: Rockwood, ON

Treatments: a) Untreated check;
b) AGTIV REACH® L POTATO;
c) AGTIV REACH® L POTATO + AGTIV STIMULATE® L.

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

Experimental design: Latin Square (LS),
6 repetitions, 12 m² plots.

Variety: Chieftain

Previous crop: Soybean

Seeding details: Seeded on June 15 at a rate of 18 000 seeds/ac in a sandy loam soil (pH: 7.2, OM: 3.4%).
Emergence on July 5.

Table 1. Summary of yields per treatment

Treatment	Yield (cwt/ac)	Yield increase (cwt/ac)
Untreated check	395.1	-
AGTIV REACH® L POTATO	402.5	7.4
AGTIV REACH® L POTATO + AGTIV STIMULATE® L	429.0	33.9

OPERATIONAL NOTES AND RAIN FALL

Fertilisation: 120-70-90 (620 kg/ha): May 5

Pesticides: • Lorox (2.3 L/ha): June 22
• Dual II Magnum (2.25 L/ha): June 22
• Coragen (0.2 L/ha): July 17 and August 8
• Bravo ZN (2.4 L/ha): August 5

Harvesting: October 27, 2022

Month	Precipitation (mm)
June	42.8
July	24.0
August	90.0
September	24.2
October	62.3
TOTAL	243.3

EFFICACY REPORT

2022 – MYCORRHIZAL & BACILLUS INOCULANT



► PLOT TRIAL

Research partner: Atlantic AgriTech Inc.

Research site: Newton, PEI

Treatments: a) Untreated check;
b) AGTIV REACH® L POTATO;
c) AGTIV REACH® L POTATO + AGTIV STIMULATE® L.

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

Experimental design: Latin square (LS),
6 repetitions, 24 m² plots.

Variety: EVA treated with Actara

Previous crop: Turnip

Seeding details: Hand seeded on May 20 at a rate of 1 250 kg/ha in a sandy loam soil (pH: 5.4, OM: 2.3%). Emergence on June 8.

OPERATIONAL NOTES AND RAIN FALL

Fertilisation: 15-15-15-4S-2Mg (1000 kg/ha): May 19

- Pesticides:**
- Lorox DF (3 L/ha): June 12
 - Sencor 75DF (1.7 L/ha): June 12
 - Penncozeb (2.24 kg/ha): July 7, 17 and 27, then once a week until August 19
 - Coragen (350 mL/ha): July 17
 - Reglone Ion (2.47 L/ha): August 20

Harvesting: October 8, 2022

Month	Precipitation (mm)
May	51.2
June	78.0
July	60.0
August	130.6
September	130.6
TOTAL	478.6

Table 1. Summary of yields per treatment

Treatment	Yield (cwt/ac)	Yield increase (cwt/ac)
Untreated check	92.3	-
AGTIV REACH® L POTATO	92.5	0.2
AGTIV REACH® L POTATO + AGTIV STIMULATE® L	109.3	17.0



EFFICACY REPORT

2021 – MYCORRHIZAL AND BACILLUS INOCULANT



► PLOT TRIALS

Research partner: Progest inc.

Research site: Sainte-Croix de Lotbinière, QC

Treatments: a) Untreated check;
b) AGTIV REACH® L POTATO*;
c) AGTIV REACH® L POTATO + AGTIV STIMULATE® POTATO*.

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

Experimental design: Latin Square,
6 repetitions, 22 m² plots.

Variety: Norland

Previous crop: Oat

Seeding details: Seeded on June 3 at a rate of 36 400 seeds/ha.

OPERATIONAL NOTES AND RAIN FALL

Fertilisation: 12-12-15 (1333 kg/ha): at seeding

Pesticides:

- Quadris: June 4, 25 and July 5
- Titann, June 4
- Lorox: June 9
- Select and Amigo: June 24
- Manzate: June 25, July 5 and August 13
- Coragen: July 15 and 29
- Delegate: July 23
- Agrovia Top: July 29 and August 13
- Reglone: August 23 and September 10

Harvesting: September 23, 2021

Month	Precipitation (mm)
June	103.0
July	85.8
August	28.4
September	80.8
TOTAL	298.0

Table 1. Summary of marketable yields per treatment

Treatment	Yield (cwt/ac)	Yield increase (cwt/ac)
Untreated check	313.1	-
AGTIV REACH® L POTATO	320.3	7.2
AGTIV REACH® L POTATO + AGTIV STIMULATE® POTATO	319.3	6.2

EFFICACY REPORT

2021 – MYCORRHIZAL AND BACILLUS INOCULANT



► PLOT TRIALS

Research partner: New-Marc Research Inc.

Research site: Saint-Marc-sur-Richelieu, QC

Treatments: a) Untreated check;
b) AGTIV REACH® L POTATO*;
c) AGTIV REACH® L POTATO +
AGTIV STIMULATE® POTATO*.

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

Experimental design: Latin Square,
6 repetitions, 22 m² plots.

Variety: Chieftain

Previous crop: Soybean

Seeding details: Seeded on June 4, at a rate of 2 200 kg/ha.

OPERATIONAL NOTES AND RAIN FALL

Fertilisation: 16.9-22.2-12.7: June 1
Urea (46-0-0): June 5

Pesticides: Coragen: June 10 and July 22
Delegate: August 27

Harvesting: September 30, 2021

Month	Precipitation (mm)
May	15.9
June	56.3
July	47.4
August	49.2
September	55.0
TOTAL	223.8

Table 1. Summary of marketable yields per treatment

Treatment	Yield (cwt/ac)	Yield increase (cwt/ac)
Untreated check	103.1	-
AGTIV REACH® L POTATO	107.8	4.7
AGTIV REACH® L POTATO + AGTIV STIMULATE® POTATO	112.8	9.8

EFFICACY REPORT

2021 – MYCORRHIZAL AND BACILLUS INOCULANT



► PLOT TRIALS

Research partner: Atlantic AgriTech Inc.

Research site: New Glasgow, IPE

Treatments: a) Untreated check;
b) AGTIV REACH® L POTATO*;
c) AGTIV REACH® L POTATO +
AGTIV STIMULATE® POTATO*.

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

Experimental design: Latin Square,
6 repetitions, 16 m² plots.

Variety: Russet Burbank

Previous crop: Oat

Seeding details: Seeded on May 21, at a rate of 1 900 kg/ha.

OPERATIONAL NOTES AND RAIN FALL

Fertilisation: 15-15-15-4 (S)-2 (Mg): May 1

Pesticides:

- Lorox: June 2
- Sencor: June 2
- Pencozeb 75DF: June 28, July 12, 28 and August 9
- Zampro: July 5
- Coragen: July 5
- Revus: July 19
- Delegate: July 19
- Echo: August 25
- Reglone: September 8

Harvesting: October 4, 2021

Table 1. Summary of marketable yields per treatment

Treatment	Yield (cwt/ac)	Yield increase (cwt/ac)
Untreated check	236.9	-
AGTIV REACH® L POTATO	242.1	5.2
AGTIV REACH® L POTATO + AGTIV STIMULATE® POTATO	247.4	10.5

Month	Precipitation (mm)
May	96.8
June	45.8
July	142.4
August	39.2
September	217.2
TOTAL	541.4

EFFICACY REPORT

2021 – MYCORRHIZAL AND BACILLUS INOCULANT



► PLOT TRIALS

Research partner: Tall Pines Agricultural Research Ltd.

Research site: Rockwood, ON

Treatments: a) Untreated check;
b) AGTIV REACH® L POTATO*;
c) AGTIV REACH® L POTATO + AGTIV STIMULATE® POTATO*.

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

Experimental design: Latin Square, 6 repetitions, 18 m² plots.

Variety: Chieftain Red

Previous crop: Fallow

Seeding details: Seeded on May 21, at a rate of 26 000 seed pieces/ha.

OPERATIONAL NOTES AND RAIN FALL

Fertilisation: 120-60-90 (590 kg/ha): April 20

Pesticides:

- Boundary LQD: May 28
- Bravo Zn: July 15
- Coragen: July 28

Harvesting: November 9, 2021

Month	Precipitation (mm)
May	28
June	95.5
July	128.4
August	28.2
September	142.6
TOTAL	422.7

Table 1. Summary of marketable yields per treatment

Treatment	Yield (cwt/ac)	Yield increase (cwt/ac)
Untreated check	266.7	-
AGTIV REACH® L POTATO	279.7	13.0
AGTIV REACH® L POTATO + AGTIV STIMULATE® POTATO	322.3	55.6

EFFICACY REPORT

2021 – MYCORRHIZAL AND BACILLUS INOCULANT



► PLOT TRIALS

Research partner: Wellington Agricultural Research.

Research site: Elmira, ON

Treatments: a) Untreated check;
b) AGTIV REACH® L POTATO*;
c) AGTIV REACH® L POTATO + AGTIV STIMULATE® POTATO*.

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

Experimental design: Latin Square, 6 repetitions, 22 m² plots.

Variety: Chieftain Red

Previous crop: Canola

Seeding details: Seeded on June 17, at a rate of 27 778 seed pieces/ha.

OPERATIONAL NOTES AND RAIN FALL

Fertilisation: None

Pesticides:

- Sencor DF: July 1
- Bravo: July 26, August 5, 7, 13, 19, 23 and September 9
- Revus: July 26, August 5, 7, 13, 19, 23 and September 9

Harvesting: October 9, 2021

Table 1. Summary of marketable yields per treatment

Treatment	Yield (cwt/ac)	Yield increase (cwt/ac)
Untreated check	298.2	-
AGTIV REACH® L POTATO	320.7	22.5
AGTIV REACH® L POTATO + AGTIV STIMULATE® POTATO	343.9	45.7

Month	Precipitation (mm)
June	136.4
July	79.9
August	49.9
September	177.8
TOTAL	444

EFFICACY REPORT 2026

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