



PROMIX[®]

AGTIV[®]



EFFICACY REPORT

PRO-MIX[®]

AGTIV[®]

Since 1968, PRO-MIX[®] has delivered quality and reliable growing media products to commercial growers and consumers.

PRO-MIX[®] growing media are enhanced with AGTIV[®] technologies, which are high-performance beneficial microorganisms, and are recognized as a market reference, offering innovative and unique solutions tailored to growers' needs.

PRO-MIX[®] is the go-to choice for growers seeking efficiency, superior plant quality, disease suppression*, and resilience against environmental stresses. With PRO-MIX[®] AGTIV[®] you can optimize results, achieve higher crop yields, and improve quality while reducing costs by optimizing fertilizer efficiency.

STRENGTH. AGILITY. INNOVATION.

At Premier Tech, we combine science, nature, and services to expand our offerings and grow alongside our clients and partners. Our mission is to deliver sustainable products and service solutions that address the unique challenges faced by growers and the industry.

With decades of expertise, we collaborate with partners to deliver effective, tailored solutions that ensure cannabis growers achieve their goals and thrive in their facilities.

*Suppresses root diseases caused by specific pathogens (such as *Fusarium*, *Pythium* and *Rhizoctonia*), and also suppresses fungus gnats and thrips.

TABLE OF CONTENTS

	PRO-MIX® HP® AGTIV AMPLIFY® versus PRO-MIX® HP® AGTIV AMPLIFY® with AGTIV REACH® inoculant*	5
	Untreated versus with AGTIV REACH® inoculant*	13
	Competitor versus PRO-MIX® CX	21
	Competitors versus PRO-MIX® CCX AGTIV AMPLIFY® **	27
	Competitors Versus PRO-MIX® CCX AGTIV REACH®	30
	Competitors Versus PRO-MIX® CPX AGTIV AMPLIFY® **	31
	Competitors Versus PRO-MIX® CPX AGTIV REACH®	34

*Formerly known as PRO-MIX® CONNECT™, AGTIV REACH® contains the same high performing mycorrhizae.
**AGTIV AMPLIFY® is only available in Canada

PEAT-BASED GROWING MEDIA



EFFICACY REPORT

2022 - Le Jardin des Anges



GREENHOUSE GROWING

CROP

Cannabis

STRAIN VARIETIES



LOCATION

L'Ange-Gardien, Québec

TREATMENTS

- A. PRO-MIX® HP® AGTIV AMPLIFY® grow bags*
- B. PRO-MIX® HP® AGTIV AMPLIFY® grow bags* with AGTIV REACH® inoculant**

PLANTS TESTED

10 plants randomly selected

TRANSITION DETAILS

Cuttings ► PRO-MIX® HP® + 1 cu. ft. grow bags

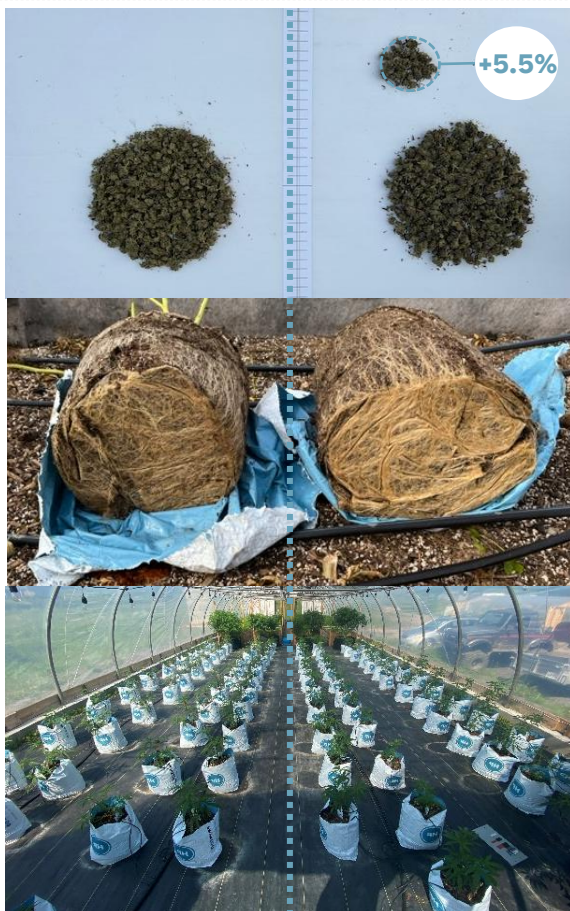
FERTILITY

EM custom fertilizer

DATA ANALYSIS

2022/12/05

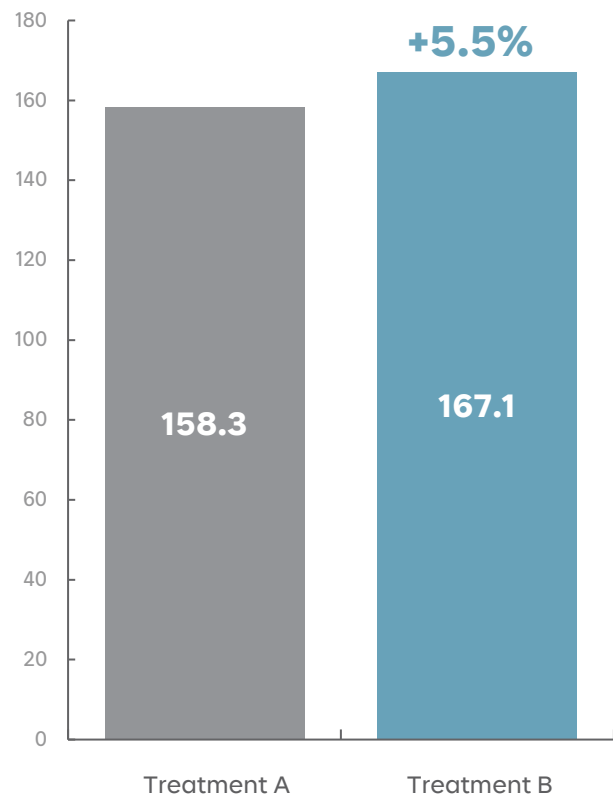
YIELD



Treatment A

Treatment B

Yield (g/plant)



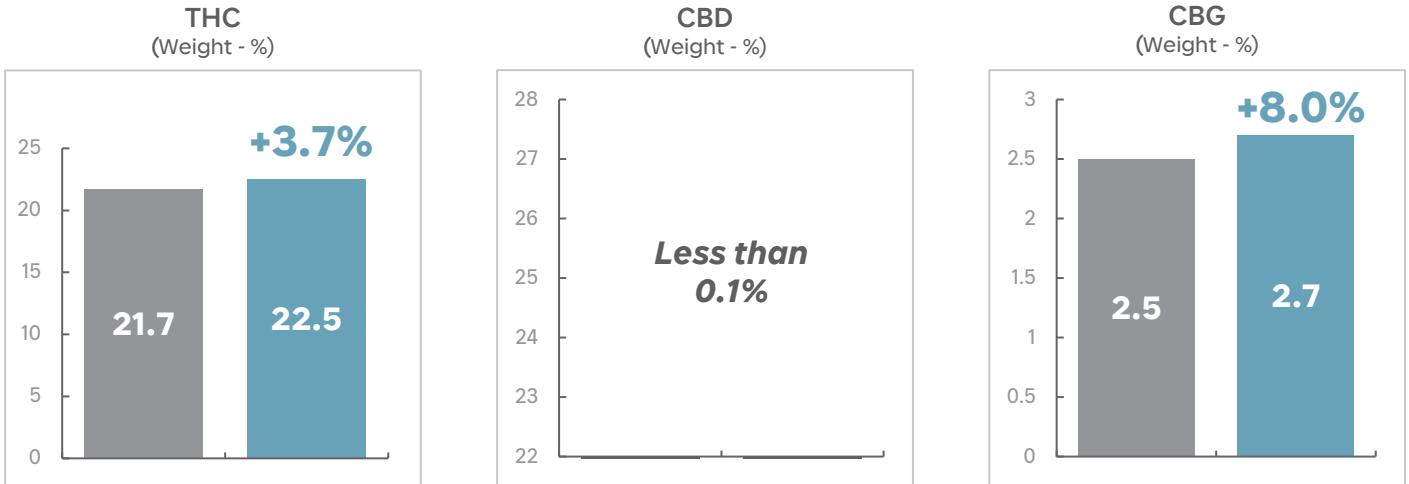
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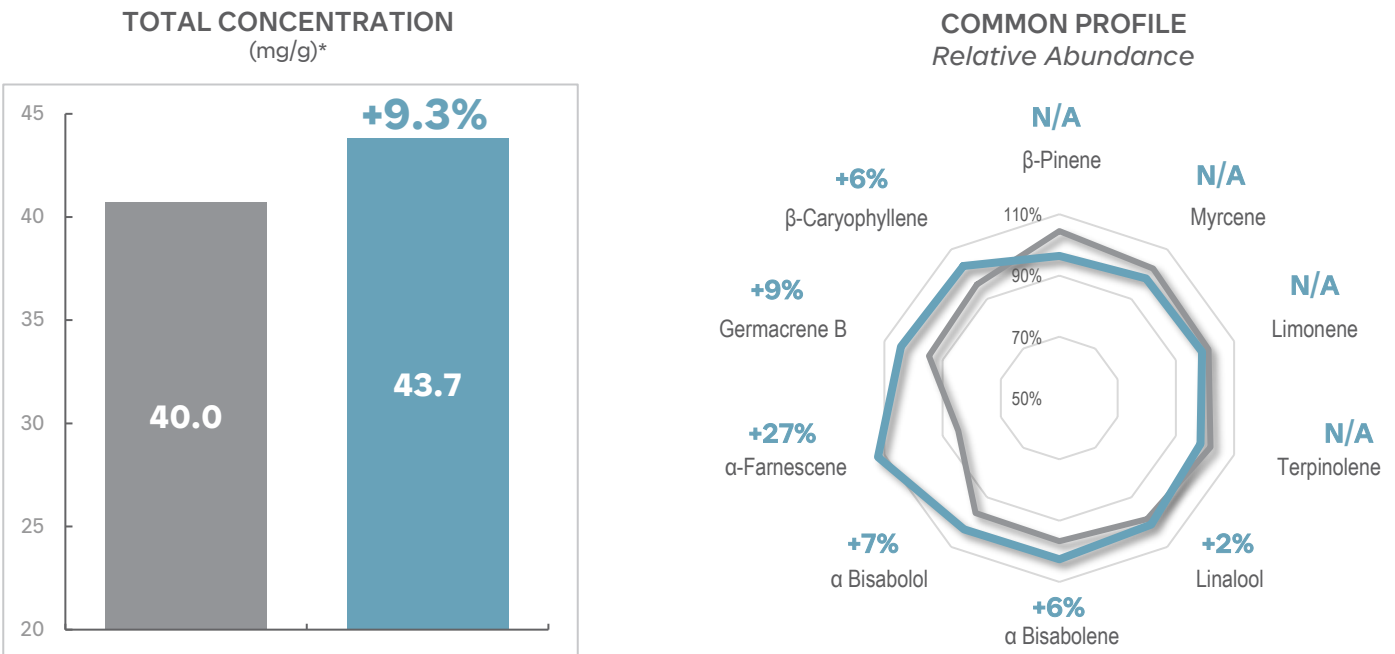
EFFICACY REPORT

2022 - Le Jardin des Anges

CANNABINOIDS



TERPENES



* Milligram of terpenes per gram of dry cannabis flower
The extraction has been done with a DB-Wax Column

LEGEND



 **PhytoChemia**

EFFICACY REPORT

2019 - PURPLEFARM

PURPLEFARM

INDOOR GROWING

CROP

Cannabis

STRAIN VARIETY



Sativa Bay Dream

LOCATION

Prescott, Ontario

TREATMENTS

- A. PRO-MIX® HP® AGTIV AMPLIFY® *
 B. PRO-MIX® HP® AGTIV AMPLIFY® *
 with AGTIV REACH® inoculant**

PLANTS TESTED

90 plants

TRANSITION DETAILS

Cuttings ► 1 gallon ► 10 gallons

FERTILITY

Advanced Nutrients Program

DATA ANALYSIS

2019/03/11

SAFETY RESULTS



Pesticides
PASSED



Heavy Metal
PASSED



Microbials
PASSED



Mycotoxins
PASSED



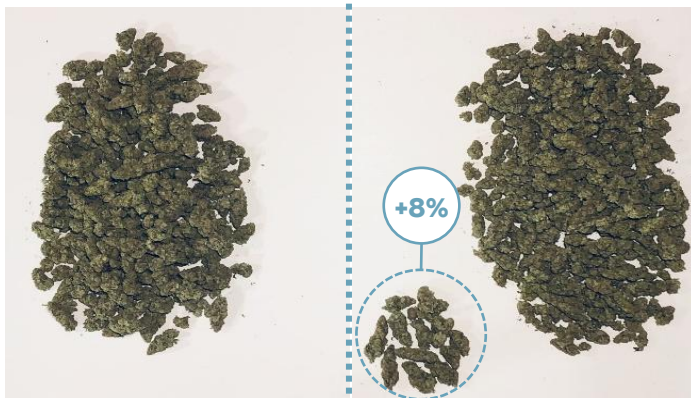
Water Activity
UNTESTED



Moisture
PASSED

YIELD

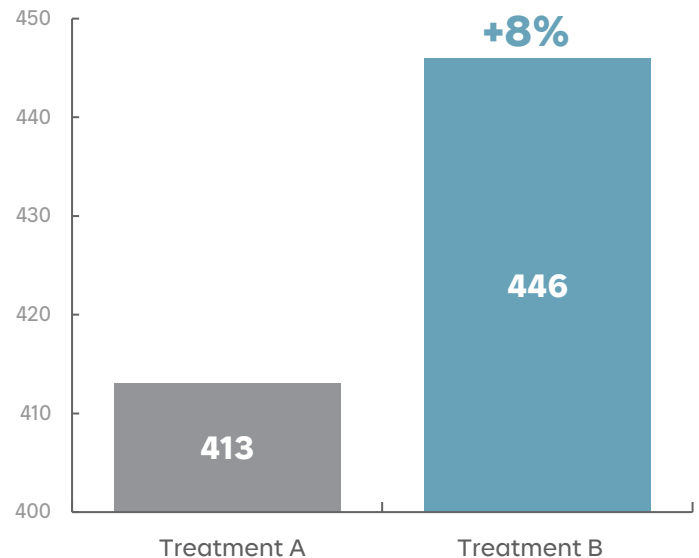
Yield per treatment



Treatment A

Treatment B

Yield per treatment (g/plant)



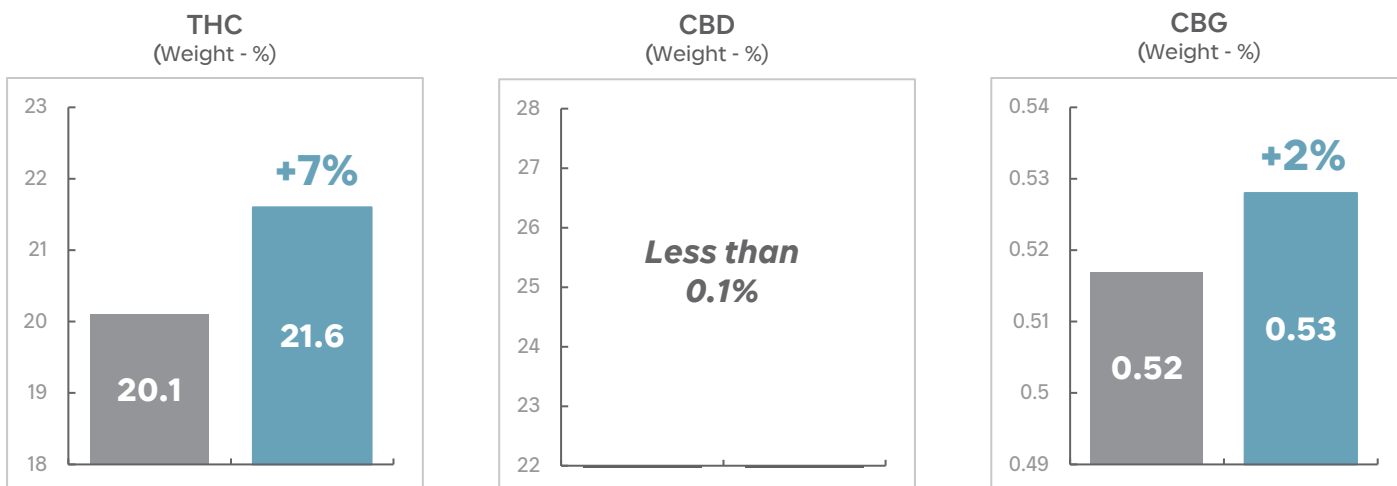
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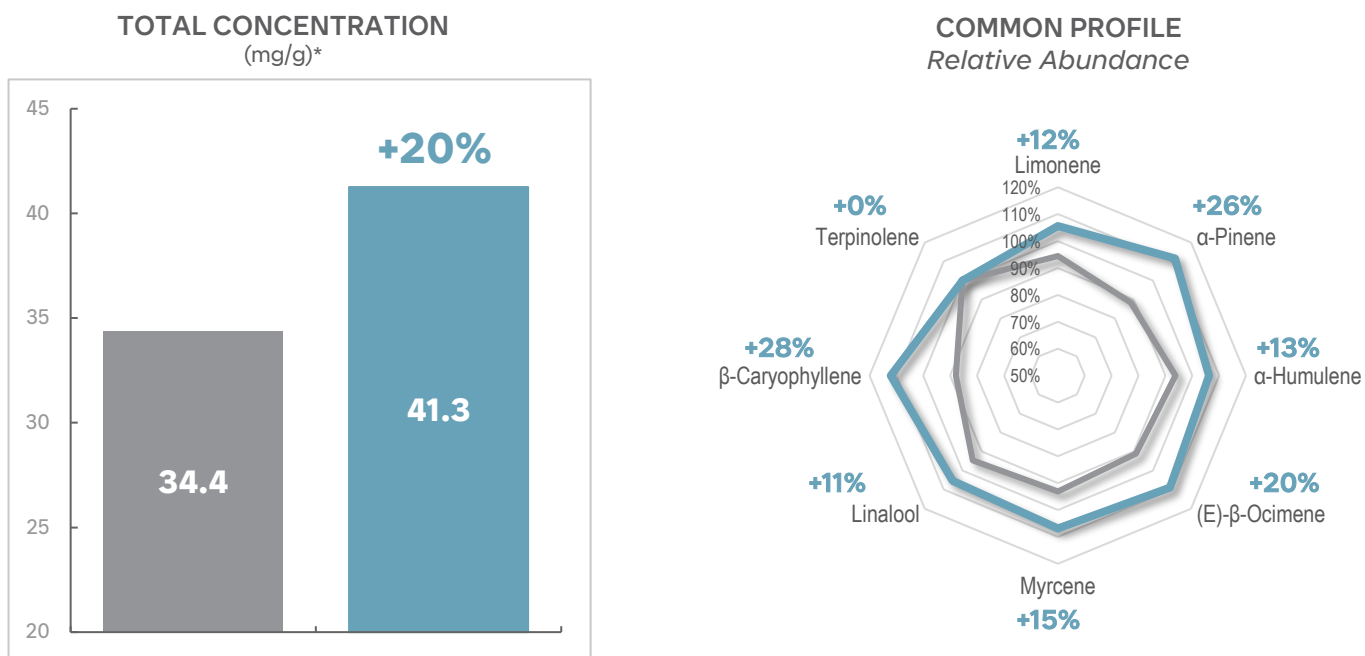
EFFICACY REPORT

2019 - PURPLEFARM

CANNABINOIDS



TERPENES



* Milligram of terpenes per gram of dry cannabis flower
The extraction has been done with a DB-Wax Column

LEGEND



PhytoChemia

EFFICACY REPORT

2018 - PURPLEFARM



INDOOR GROWING

CROP
Cannabis

STRAIN VARIETY



LOCATION
Prescott, Ontario

TREATMENTS
A. PRO-MIX® HP® AGTIV AMPLIFY® *
B. PRO-MIX® HP® AGTIV AMPLIFY® *
with AGTIV REACH® inoculant**

PLANTS TESTED
84 plants

TRANSITION DETAILS
Cuttings ▶ 1 gallon ▶ 10 gallons

FERTILITY
Advanced Nutrients Program

DATA ANALYSIS
2018/10/15

SAFETY RESULTS



Pesticides
PASSED



Heavy Metal
PASSED



Microbials
PASSED



Mycotoxins
PASSED



Water Activity
UNTESTED



Moisture
PASSED

YIELD

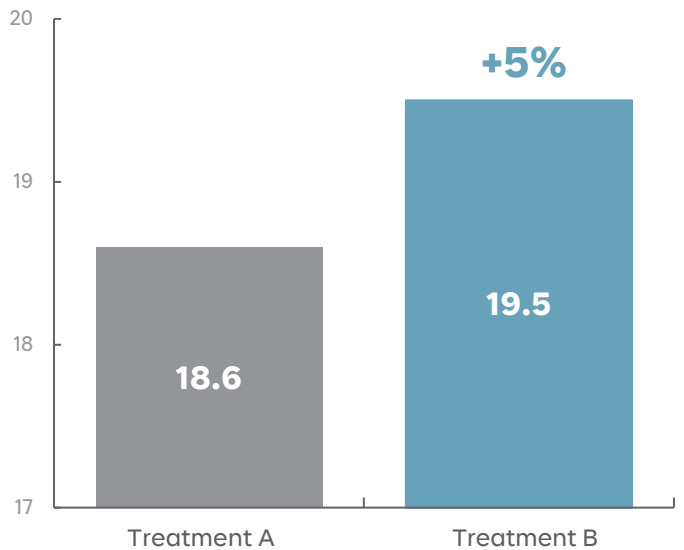
Yield per treatment



Treatment A

Treatment B

Yield per treatment (g/flower)



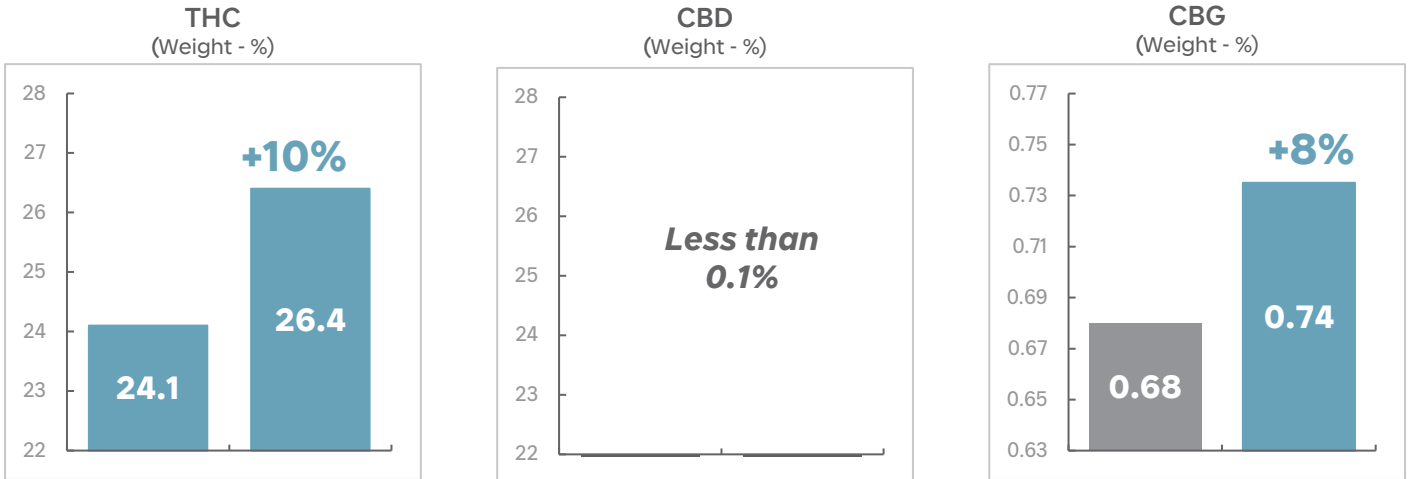
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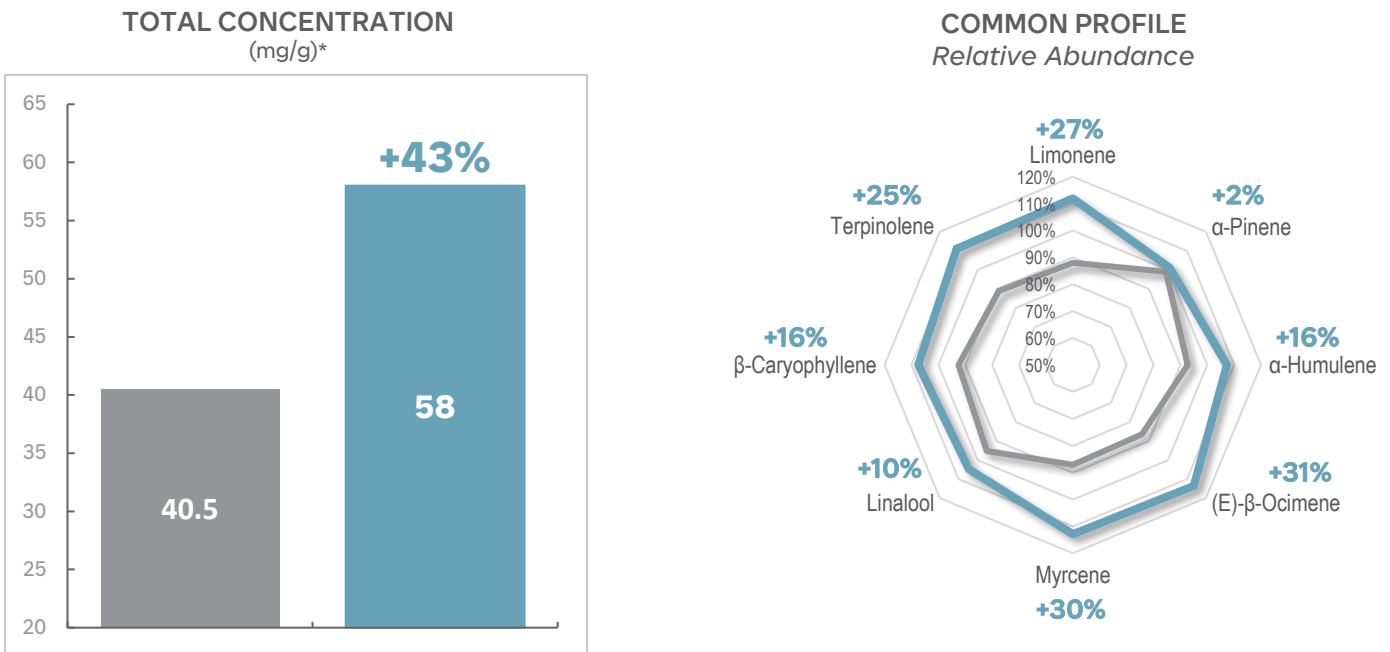
EFFICACY REPORT

2018 - PURPLEFARM

CANNABINOIDS



TERPENES



* Milligram of terpenes per gram of dry cannabis flower
The extraction has been done with a DB-Wax Column

LEGEND



 **PhytoChemia**

ROOT ENHANCER



* US: AGTIV REACH® P and AGTIV REACH® G are OMRI listed.
CA: AGTIV REACH® P and AGTIV REACH® G are approved for organic use by PRO-CERT.



EFFICACY REPORT

2021 - ENTOURAGE HEALTH CORP.



INDOOR GROWING

CROP

Cannabis

STRAIN VARIETY



Hybrid Duke Nukem

LOCATION

Toronto, Ontario

TREATMENTS

- A. Untreated
- B. With AGTIV REACH® inoculant*

PLANTS TESTED

900 plants

TRANSITION DETAILS

Cuttings ► 72-cell rockwool tray ► Rockwool Delta Block

FERTILITY

Plant Prods MJ lineup

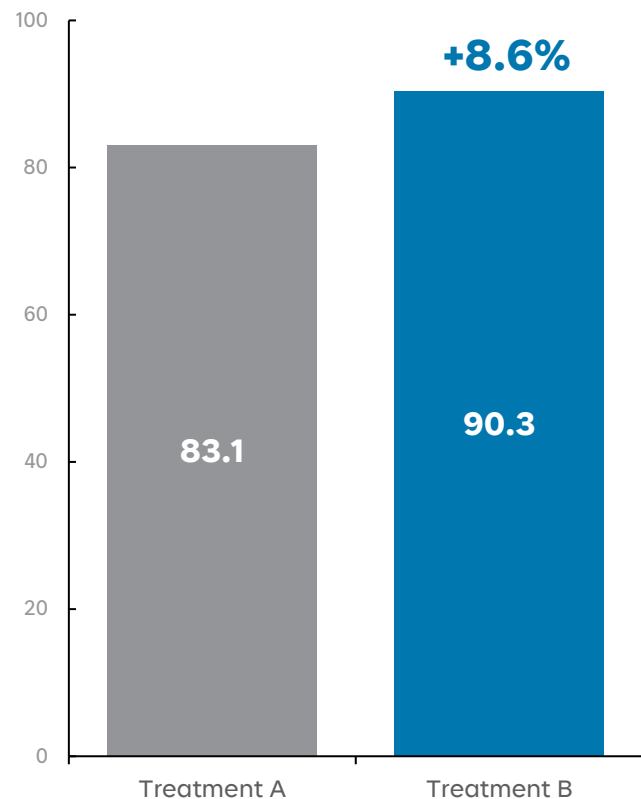
DATA ANALYSIS

2021/10/06

YIELD



Yield per treatment (g/plant)

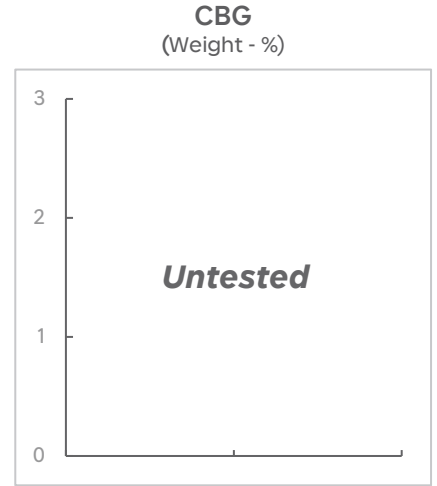
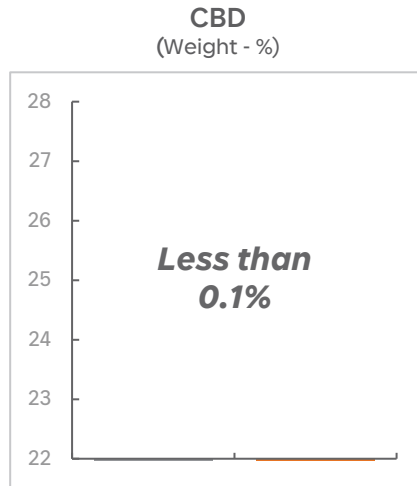
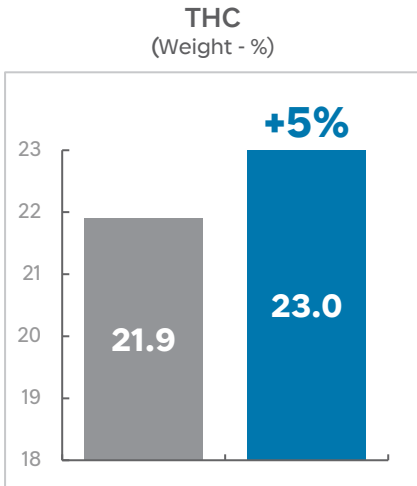


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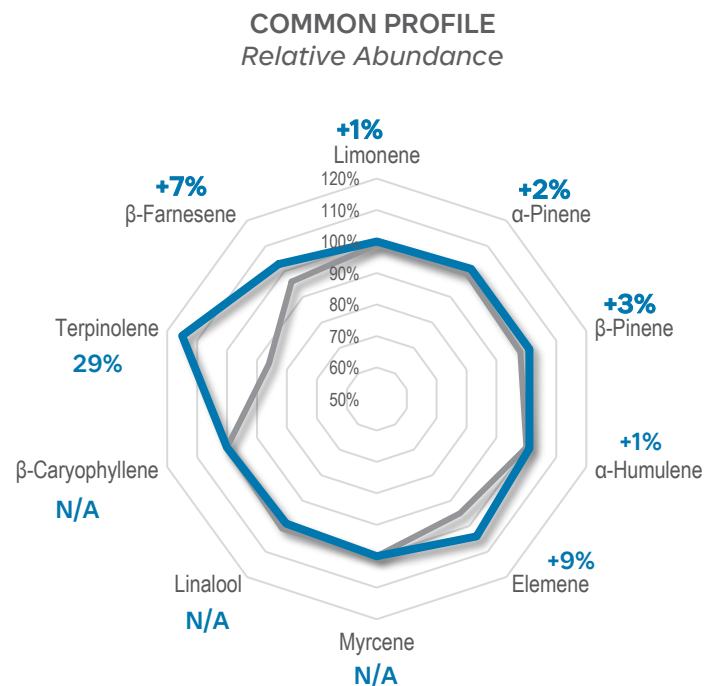
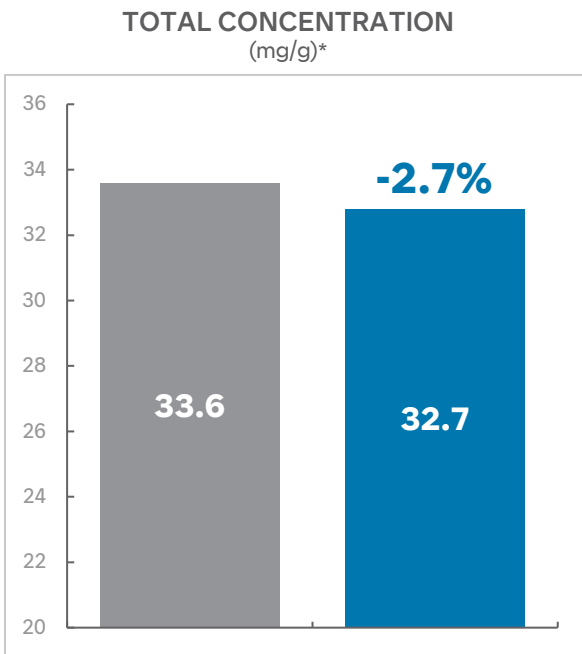
EFFICACY REPORT

2021 - ENTOURAGE HEALTH CORP.

CANNABINOIDS



TERPENES



* Milligram of terpenes per gram of dry cannabis flower
The extraction has been done with a DB-Wax Column

LEGEND

- Untreated
- Treated



EFFICACY REPORT

2019 - HERITAGE FARMACY



OUTDOOR GROWING

CROP
Hemp

STRAIN VARIETY



LOCATION
Gainesville, Florida

TREATMENTS

- A. Untreated
- B. With AGTIV REACH® inoculant* - Treated

PLANTS TESTED

40 plants

TRANSITION DETAILS

Cuttings ► 4 inches ► Field

DATA ANALYSIS

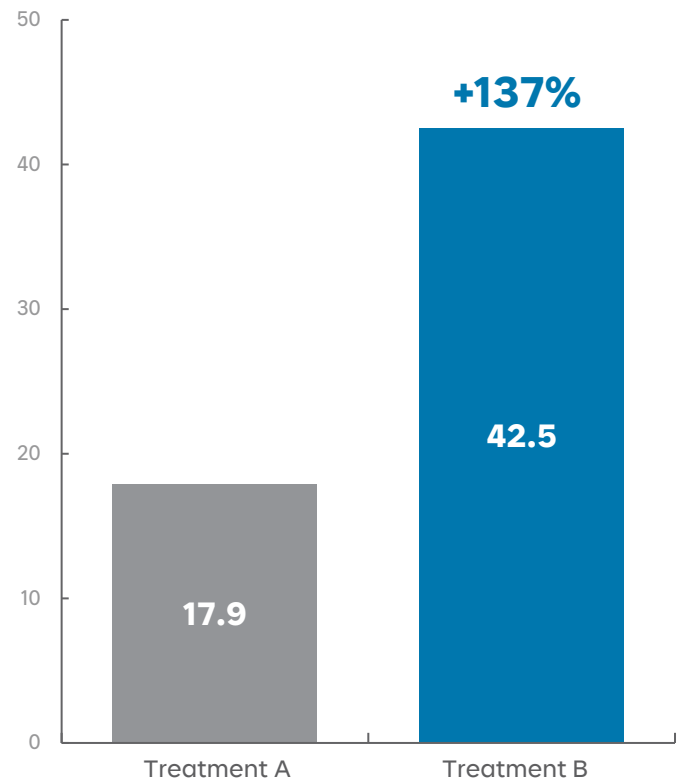
2019/10/18

YIELD

Yield per treatment

Treatment	Yield (g/plant)
Treatment A	17.9
Treatment B	42.5

Yield per treatment (g/plant)



Total yield per treatment - 20 plants per treatment



Treatment A
357.2 g

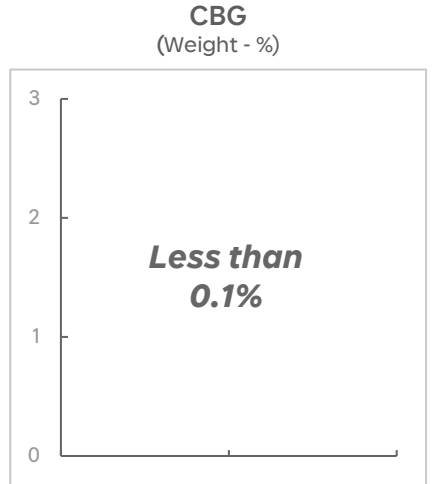
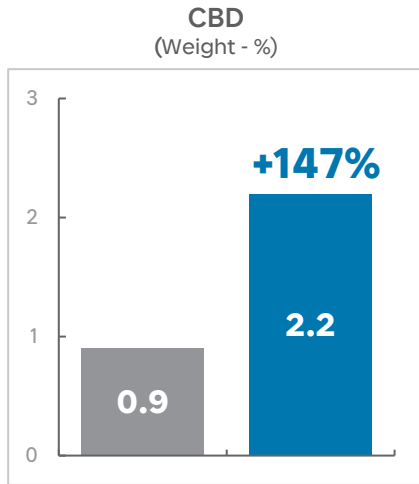
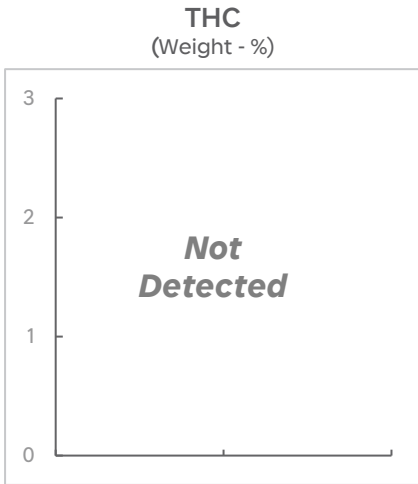
Treatment B
850.2 g

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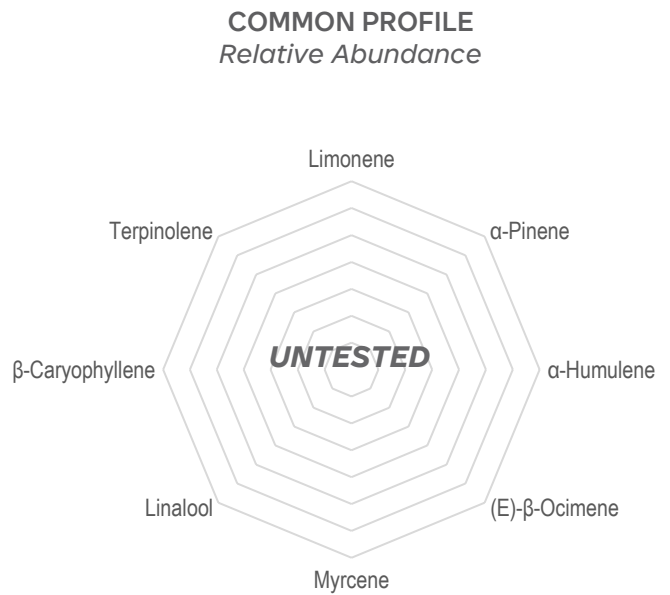
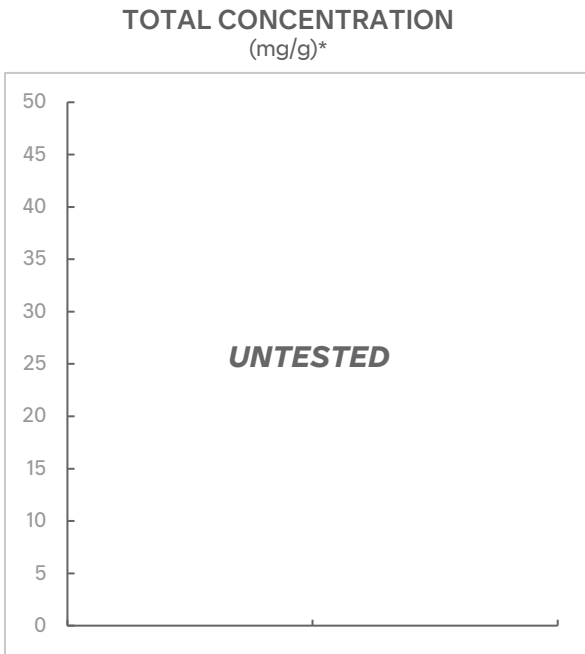
EFFICACY REPORT

2019 - HERITAGE FARMACY

CANNABINOIDS



TERPENES



* Milligram of terpenes per gram of dry cannabis flower
The extraction has been done with a DB-Wax Column

LEGEND

- Untreated
- Treated



Laboratory analysis provided by
Fouser Environmental Services

EFFICACY REPORT

2019 - MOUSKA CHANVRE



OUTDOOR GROWING

CROP
Hemp

STRAIN VARIETY



LOCATION

Saint-Lambert-de-Lauzon, Québec

TREATMENTS

- A. Untreated
- B. With AGTIV REACH® inoculant* - Treated

PLANTS TESTED

361 plants

TRANSITION DETAILS

Seeds ▶ Plugs ▶ 4 inches ▶ Field

DATA ANALYSIS

2019/09/12

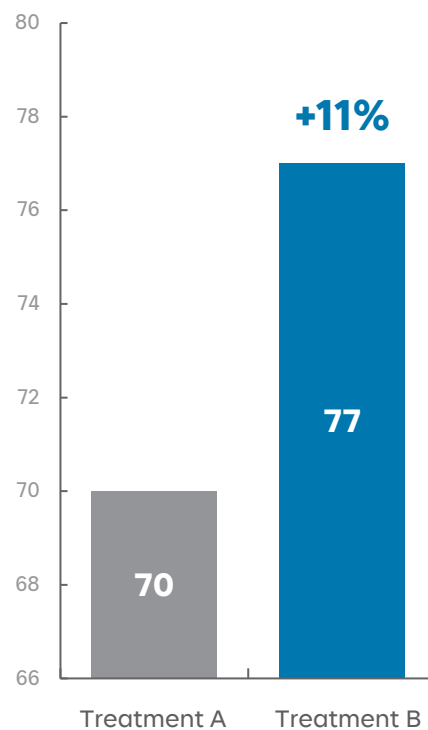
YIELD



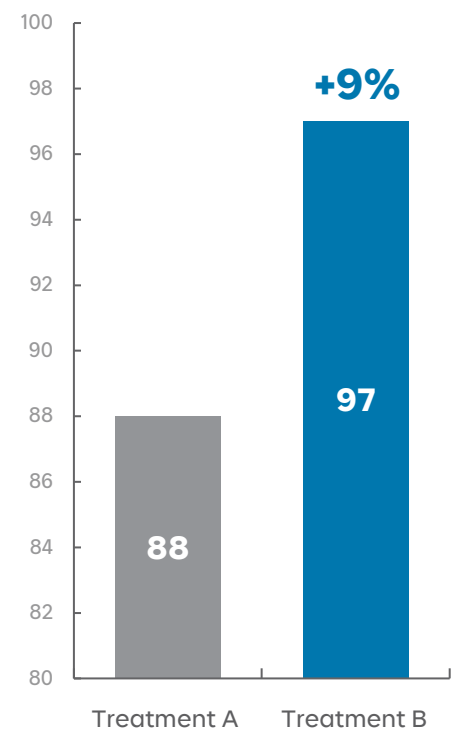
Treatment A

Treatment B

Yield per treatment (g/plant)



Survival rate per treatment (%)



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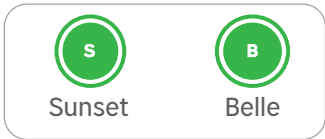
EFFICACY REPORT

2021 - The Hemp Mine

FIELD GROWING

CROP
Hemp

STRAIN VARIETIES



LOCATION
Fair Play, South Carolina

TREATMENTS

- A. Untreated
- B. With AGTIV REACH® inoculant* - Treated

PLANTS TESTED

100 plants (50 per strain)

TRANSITION DETAILS

Cuttings ► Field transplant

FERTILITY

N/A

DATA ANALYSIS

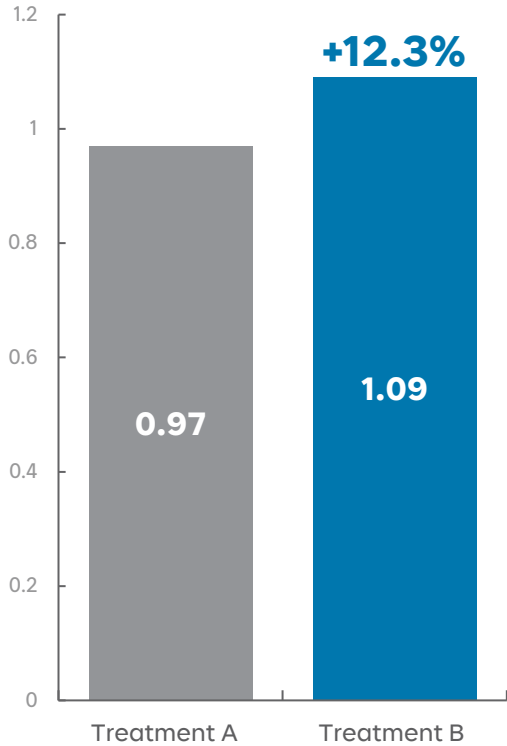
2022/03/01

YIELD

Sunset Yield (kg/plant)

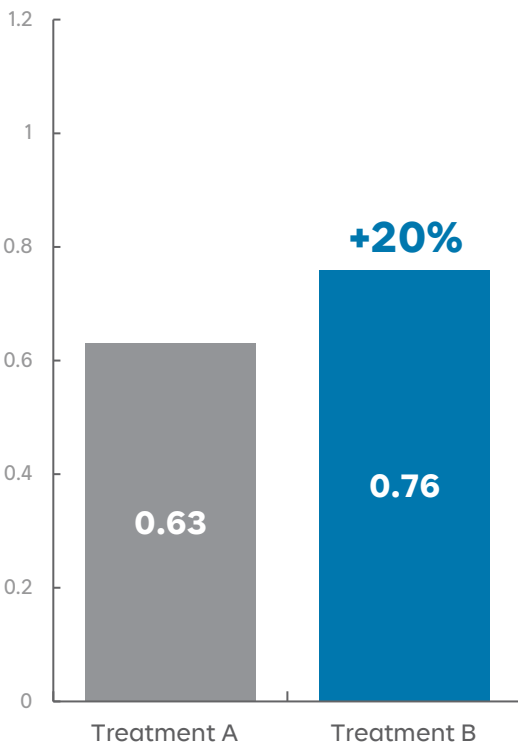


Treatment A



Treatment B

Belle Yield (kg/plant)



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COIR GROW BAGS



* US: PRO-MIX® CX is OMRI listed.

CA: PRO-MIX® CX contains only substances that appear on the Organic Production Systems Permitted Substances Lists and may be suitable for use in organic agriculture. Please consult your authorized organic Certification Body for further information.

EFFICACY REPORT

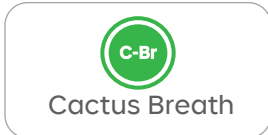
2023 - PEGASUS Michigan



INDOOR GROWING

CROP
Cannabis

STRAIN VARIETY



LOCATION
Jackson, Michigan

TREATMENTS
A. Competitor
B. PRO-MIX® CX

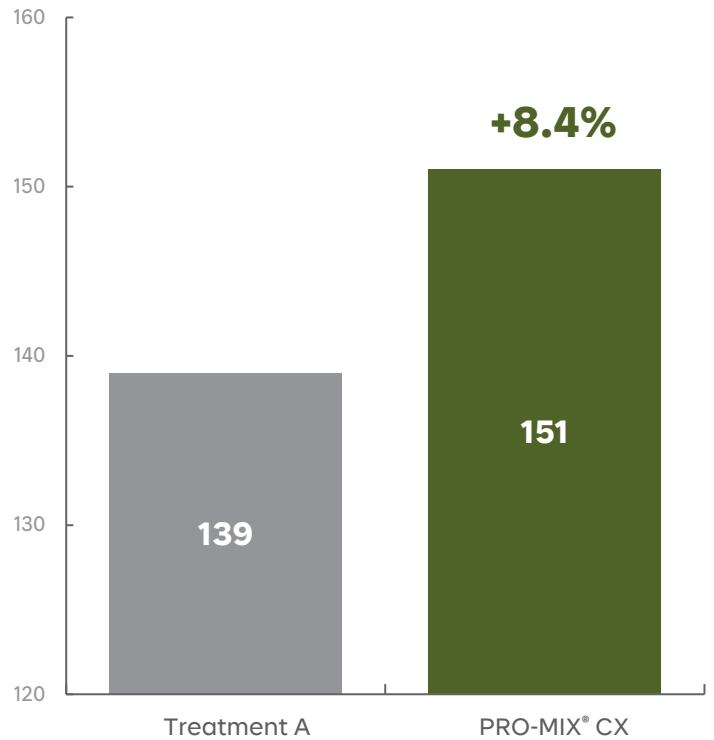
PLANTS TESTED
224 plants

DATA ANALYSIS
2023/07/28

YIELD



Average Dry Flower Weight (g/plant)



EFFICACY REPORT

2020 - PURPLEFARM



INDOOR GROWING

CROP

Cannabis

STRAIN VARIETY



TREATMENTS

- A. Competitor A
- B. PRO-MIX® CX

PLANTS TESTED

48 plants (24 per treatment type)

DATA ANALYSIS

2020/06/17

LOCATION

Prescott, Ontario

SAFETY RESULTS



Pesticides
PASSED



Heavy Metal
PASSED



Microbials
PASSED



Mycotoxins
PASSED



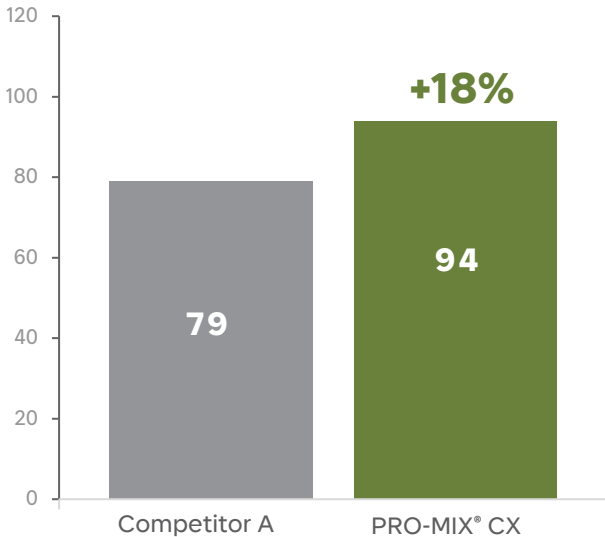
Water Activity
UNTESTED



Moisture
PASSED

YIELD

Average Dry Flower Weight (g/plant)





EFFICACY REPORT

2025 - CRIC LABS

INDOOR GROWING

CROP

Cannabis

STRAIN VARIETY



Parker Sullivan

TREATMENTS

- A. PRO-MIX® CX
- B. PRO-MIX® CX Plant-Based Bag

PLANTS TESTED

48 plants (24 per treatment)

DATA ANALYSIS

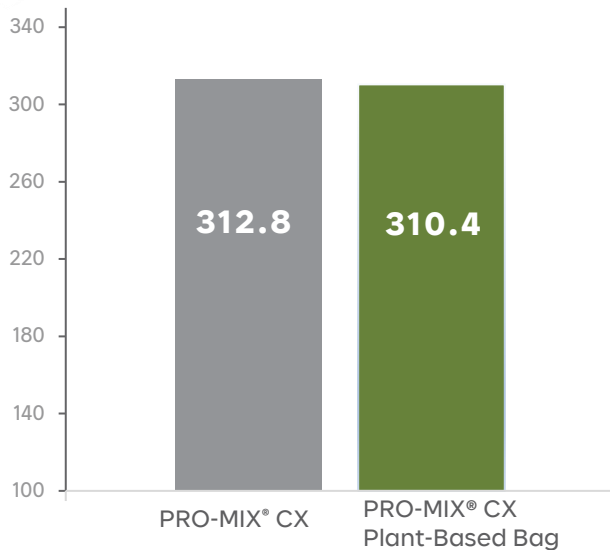
2025/06/03

LOCATION

Montreal, Quebec

YIELD

Average Dry Flower Weight (g/plant)



EFFICACY REPORT

2025 - PURPLEFARM



INDOOR GROWING

CROP

Cannabis

TREATMENT

A. PRO-MIX® CX Plant-Based Bag

STRAIN VARIETY



PLANTS TESTED

470 plants

DATA ANALYSIS

2025/07/07

LOCATION

Fredericton, New Brunswick

YIELD

Average Dry Flower Weight (Kg/barrel)	Total Dry Flower Weight (Kg)	Yield (g/plant)
5.2	94.92	201.96



EFFICACY REPORT

2026 - PURPLEFARM

PURPLEFARM

INDOOR GROWING

CROP

Cannabis

TREATMENT

A. PRO-MIX® CX 2-gals Plant-Based Bag

STRAIN VARIETY**PLANTS TESTED**

1538 plants

DATA ANALYSIS

2026/01/05

LOCATION

Fredericton, New Brunswick

**YIELD**

Total Dry Flower Weight (Kg)	Yield (g/plant)
108	70.22



COIR-BASED GROWING MEDIA



* PRO-MIX® CCX AGTIV REACH® is OMRI listed.
PRO-MIX® CCX AGTIV AMPLIFY® is approved for organic use by Ecocert.



*



EFFICACY REPORT

2024 - CRIC LABS - MONTREAL

INDOOR GROWING

CROP
Cannabis

STRAIN VARIETY



LOCATION
Montreal, Quebec

TREATMENTS

- A. Competitor A
- B. Competitor B
- C. PRO-MIX® CCX AGTIV AMPLIFY® *

PLANTS TESTED

18 plants (6 per treatment)

DATA ANALYSIS

2024/06/17

YIELD



PRO-MIX® CCX AGTIV AMPLIFY®

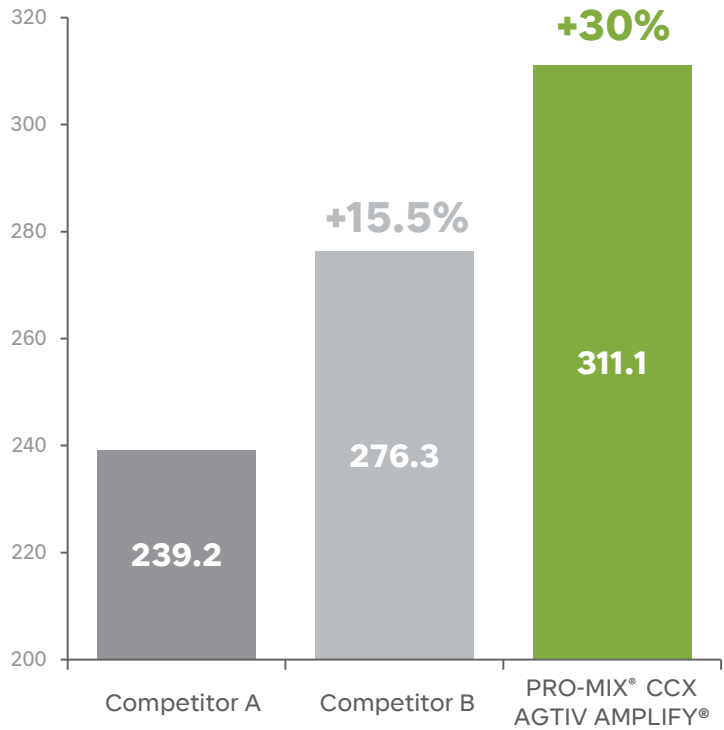


Competitor B



PRO-MIX® CCX AGTIV AMPLIFY®

Average Dry Flower Weight (g/plant)



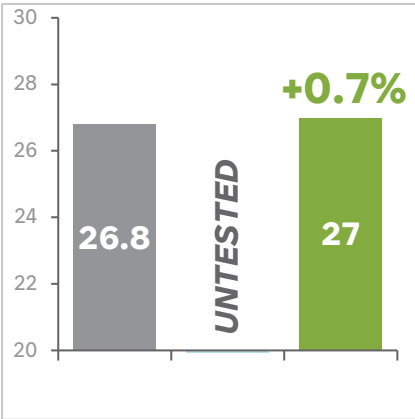
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EFFICACY REPORT

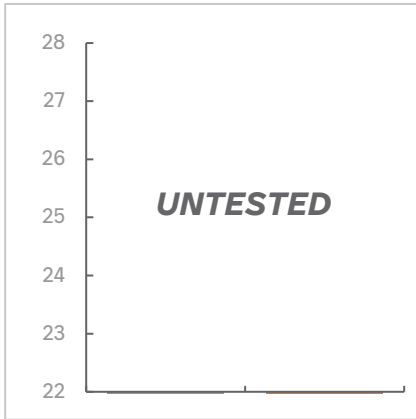
2024 - CRIC LABS - MONTREAL

CANNABINOIDS

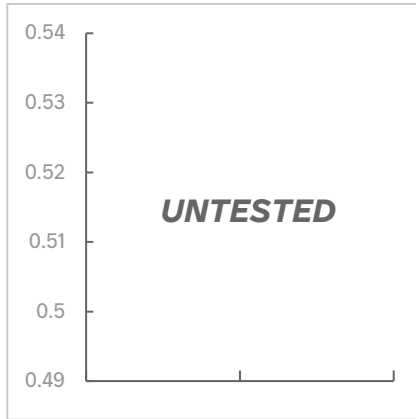
THC
(Weight - %)



CBD
(Weight - %)

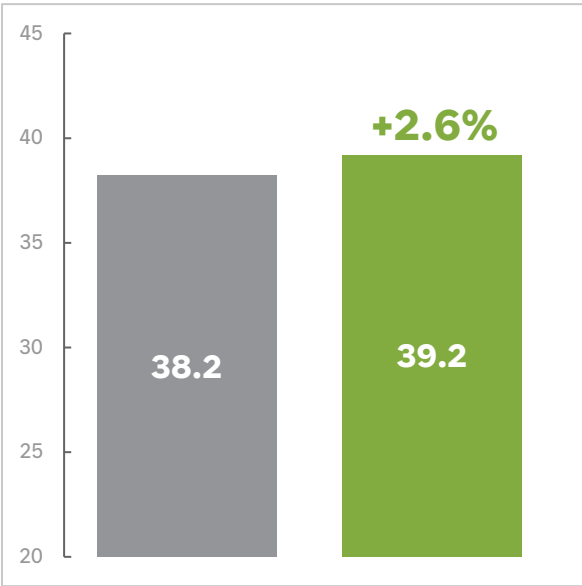


CBG
(Weight - %)

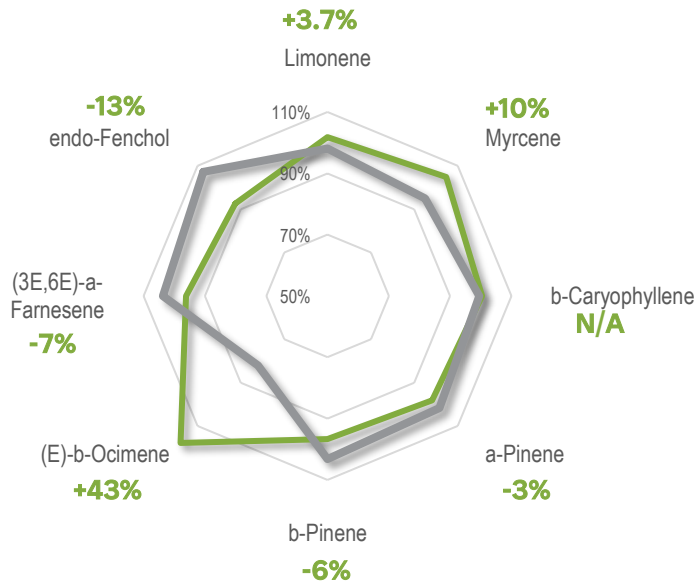


TERPENES

TOTAL CONCENTRATION
(mg/g)*



COMMON PROFILE
Relative Abundance



* Milligram of terpenes per gram of dry cannabis flower
The extraction has been done with a DB-Wax Column

LEGEND

- Competitor A
- Competitor B
- PRO-MIX® CCX AGTIV AMPLIFY®





EFFICACY REPORT

2024 - CRIC LABS - MONTREAL

INDOOR GROWING

CROP

Cannabis

STRAIN VARIETY



Strain Banjo

LOCATION

Montreal, Quebec

TREATMENTS

- A. Competitor A
- B. Competitor B
- C. PRO-MIX® CCX AGTIV REACH®

PLANTS TESTED

18 plants (6 per treatment)

DATA ANALYSIS

2024/06/17

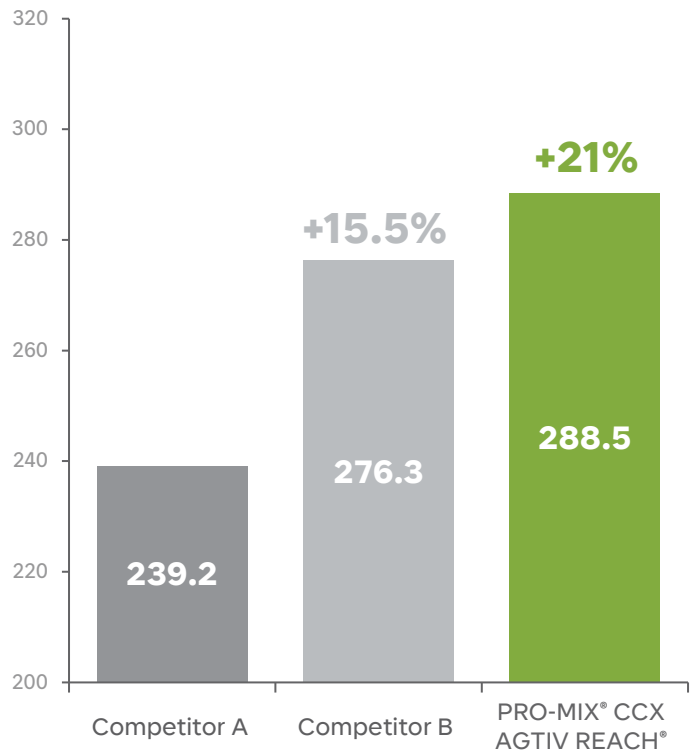


YIELD



PRO-MIX® CCX AGTIV REACH®

Average Dry Flower Weight (g/plant)



COIR-BASED GROWING MEDIA



* PRO-MIX® CPX AGTIV REACH® is OMRI listed.
PRO-MIX® CPX AGTIV AMPLIFY® is approved for organic use by Ecocert.



*



EFFICACY REPORT

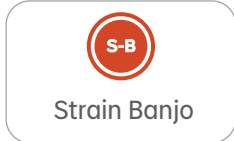
2024 - CRIC LABS - MONTREAL

INDOOR GROWING

CROP

Cannabis

STRAIN VARIETY



LOCATION

Montreal, Quebec

TREATMENTS

- A. Competitor A
- B. Competitor B
- C. PRO-MIX® CPX AGTIV AMPLIFY® *

PLANTS TESTED

18 plants (6 per treatment)

DATA ANALYSIS

2024/06/17

YIELD

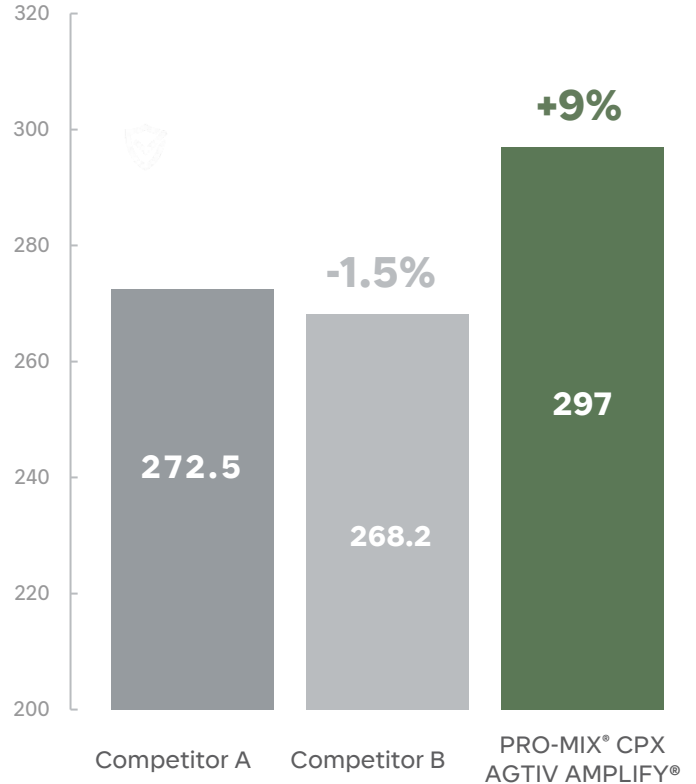


Competitor B



PRO-MIX® CPX AGTIV AMPLIFY®

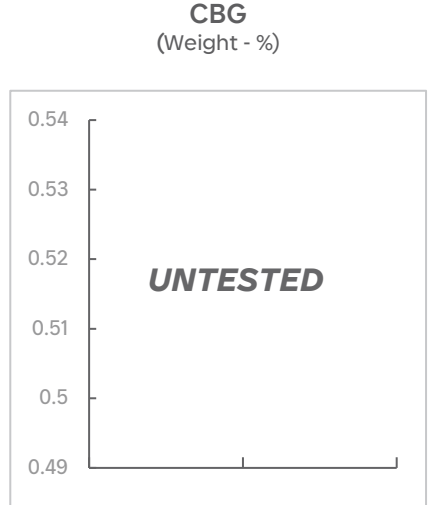
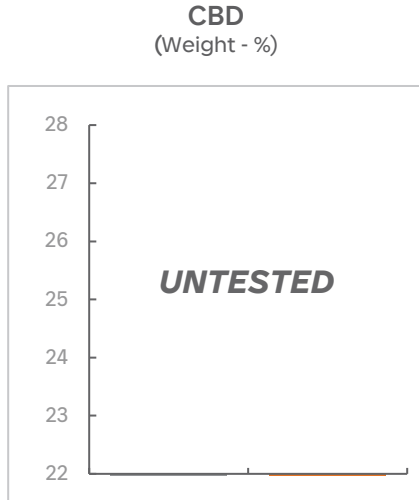
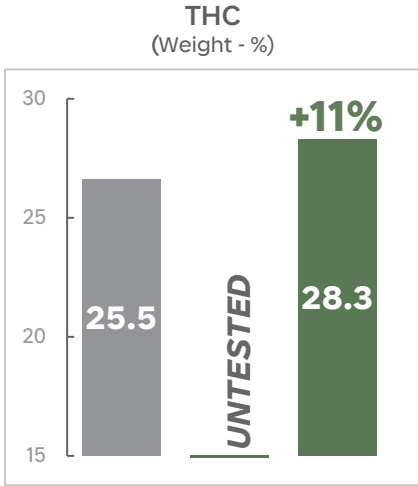
Average Dry Flower Weight (g/plant)



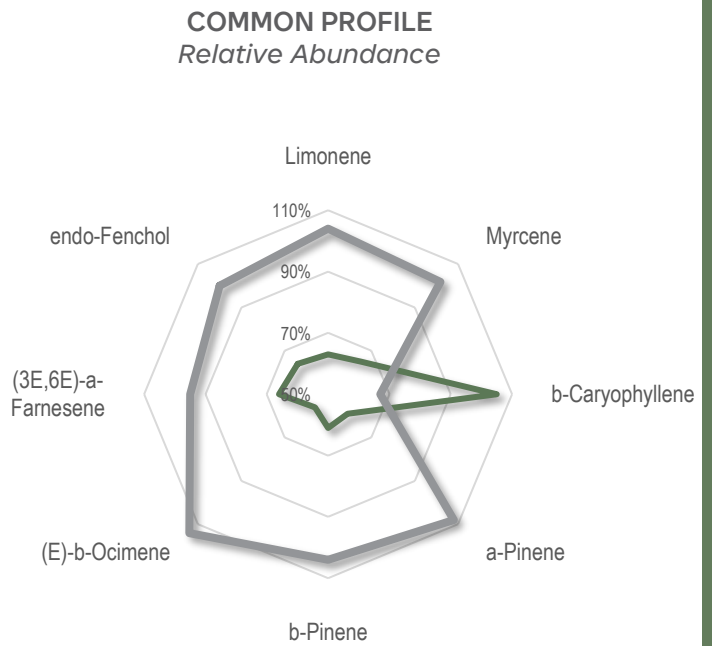
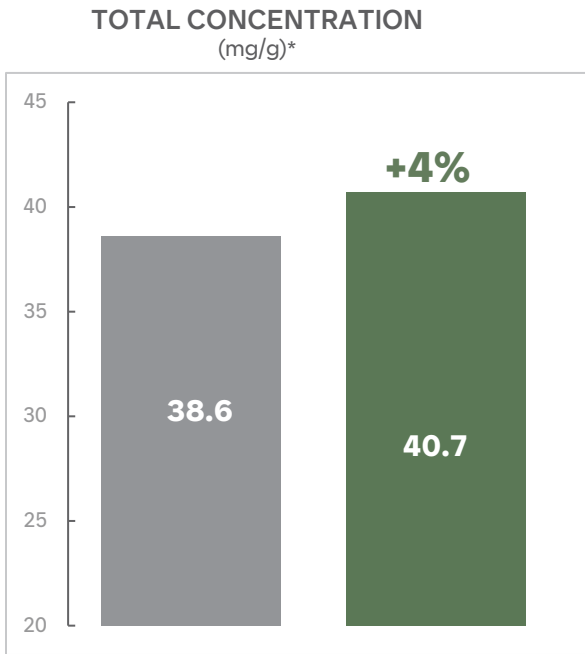
EFFICACY REPORT

2024 - CRIC LABS - MONTREAL

CANNABINOIDS



TERPENES



* Milligram of terpenes per gram of dry cannabis flower
The extraction has been done with a DB-Wax Column

LEGEND

- Competitor A
- Competitor B
- PRO-MIX® CPX AGTIV AMPLIFY®





EFFICACY REPORT

2024 - CRIC LABS - MONTREAL

INDOOR GROWING

CROP
Cannabis

STRAIN VARIETY



LOCATION
Montreal, Quebec

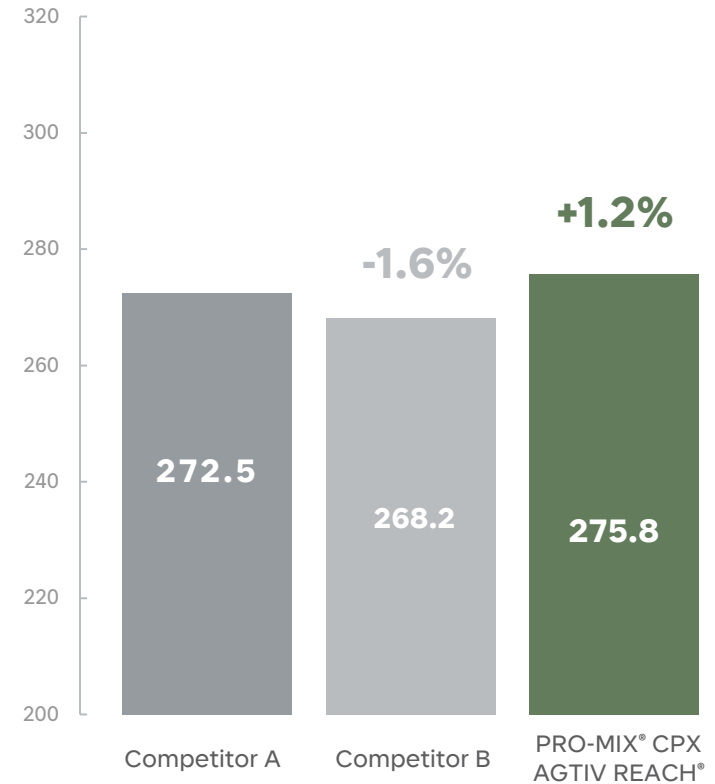
TREATMENTS
A. Competitor A
B. Competitor B
C. PRO-MIX® CPX AGTIV REACH®

PLANTS TESTED
18 plants (6 per treatment)

DATA ANALYSIS
2024/06/17

YIELD

Average Dry Flower Weight (g/plant)



PRO-MIX® CPX AGTIV REACH®

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Beyond the report

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EXPLORE THE RESOURCES



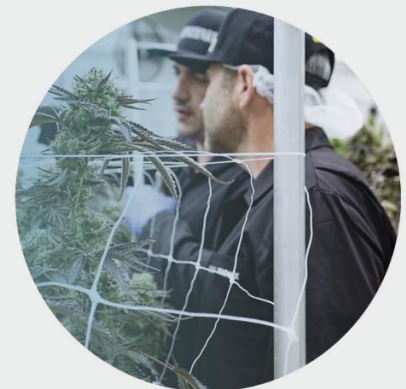
Your hub for experience-based research, plus tools and insights to elevate your growing.



TAKE THE NEXT STEPS



Our experienced team are here to assist you, ensuring expert support and guidance every step of the way.





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World Headquarters
1 avenue Premier
Campus Premier Tech
Rivière-du-Loup (Québec)
G5R 6C1



PROMIXCANNABIS.COM

CUSTOMER SERVICE: 1 800 667-5366
GROWER SERVICES: 1 800 424-2554
services@pthorticulture.com

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