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NUStGrow BIOLOGICS CORP.

Providing a Natural, Organic Biocontrol Technology for Sustainable Agriculture

Corporate Presentation December 2022



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Overview

- The mustard plant has natural compounds within it that have pesticidal attributes to protect it from disease, pests and weeds.
 - \rightarrow It's the natural defense mechanism of the plant.
- MustGrow extracts and concentrates these natural compounds for use as a natural, organic biopesticide to replace synthetic chemistries for a safe sustainable food supply.
 - → Completed over 150 trials confirming the efficacy and now on focused on obtaining commercialization.





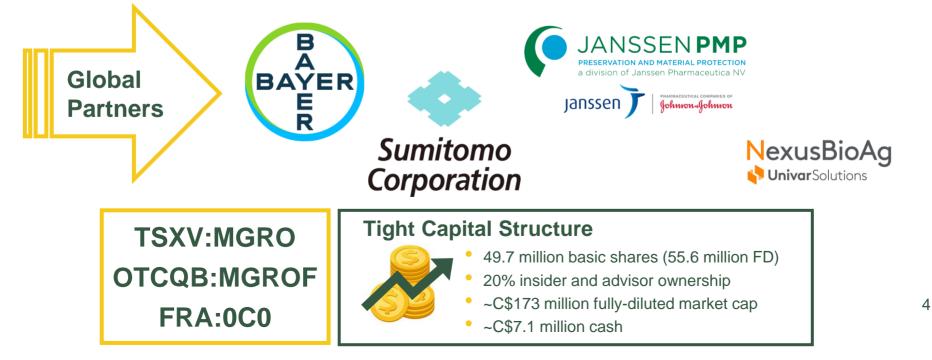






MustGrow – Unique Technology and Investment

- Unique, sustainable IP (100% owned) that is natural, organic and effective with great potential to replace synthetic chemicals that have been or are being banned or deregistered.
- > IP has multiple applications preplant soil fumigation, postharvest food preservation, herbicide.
- > Extract 2 actives \rightarrow AITC (for disease & insect pests) and thiocyanate (for weeds).
- > Positive soil health & ecological impact.
- > With successful field trials, focus is quickly changing to commercialization:
 - → actively seeking registrations in US, Canada and Mexico with potential revenue in next 12 months.
 - \rightarrow multiple options for commercialization.
- > Currently defining initial production \rightarrow potential for minimal CAPEX.



Sustainable Agriculture is the Future



How will we feed the world when some synthetic chemicals are being banned?

Sprout inhibitor chlorpropham (CIPC) officially banned by European Union

The ban of CIPC in the EU has been in the works for months and was expected by the industry. It is not easy to find alternatives, though. The big problem is for existing potato storage sites.

-- Spudman; June 19, 2019

Syngenta commits US\$2 Billion and sets new targets for innovation to tackle climate change

\$2 billion over five years to innovation specifically targeted at delivering a step change in agricultural sustainability.

-- Syngenta; October 22, 2019

BASF commits to targets for boosting sustainable agriculture

BASF has committed to clear and measurable targets to boost sustainable agriculture by 2030.

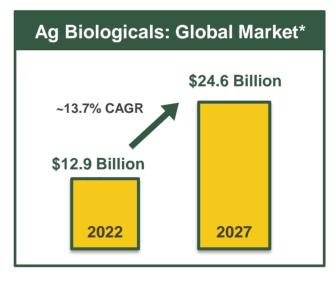
-- BASF; November 16, 2020

EU Organic Action Plan – 25% Organic Acres by 2030

On March 25, 2021, the European Commission published the Farm to Fork Strategy Action Plan with a target of 30% of EU land under organic farming by 2030.

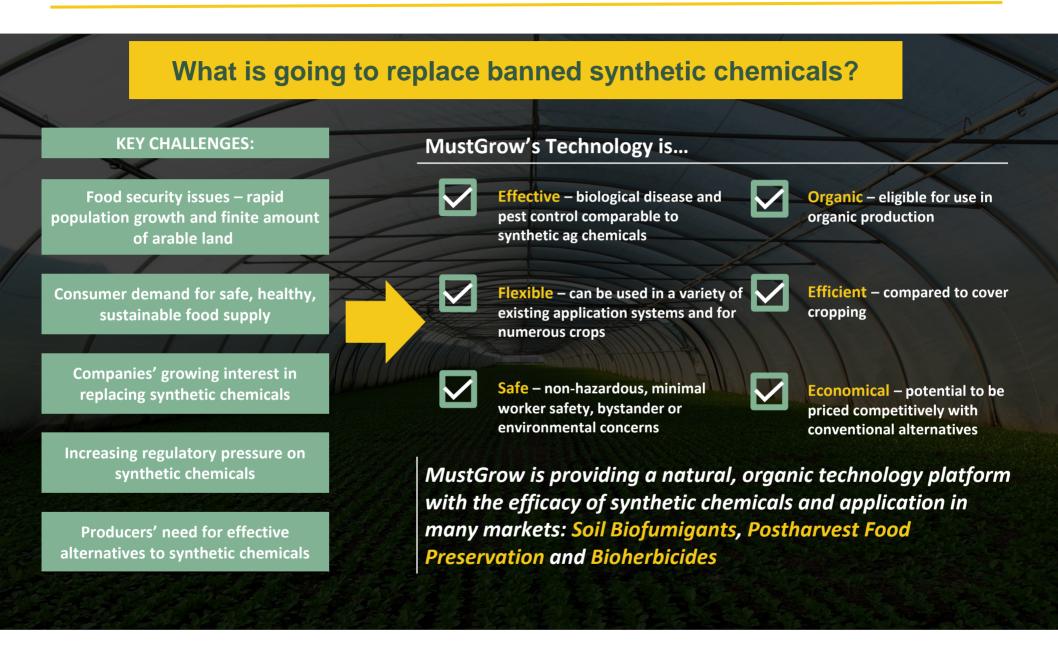
-- European Commission, March 25, 2021

The global crop pesticide market is US\$65 billion – not including organic acres, which are increasing, or postharvest food preservation.



* ResearchAndMarkets LINK







NexusBioAg

UnivarSolutions

Field trials conducted in canola and pulse crops

Region: Canada

Exclusive Canadian marketing and distribution agreement for canola and pulse crops

Sumitomo Corporation

Sumitomo Corporation to fund and drive development work for commercialization

Region: Americas

Exclusive field trials in preplant soil fumigation, and postharvest food preservation for potatoes and bananas, and bioherbicide



Janssen PMP (division of Johnson & Johnson) to fund and drive all testing and development work

Region: Global

Exclusive testing for postharvest storage preservation of fruits and vegetables, excluding grains, potatoes, bananas and shipping container fumigation

Bayer to fund and drive development work for commercialization

Region: Europe, Asia Pacific, the Middle East and Africa

В

A BAYER

Exclusive field trials in preplant soil fumigation, postharvest food preservation of potatoes and bioherbicide applications

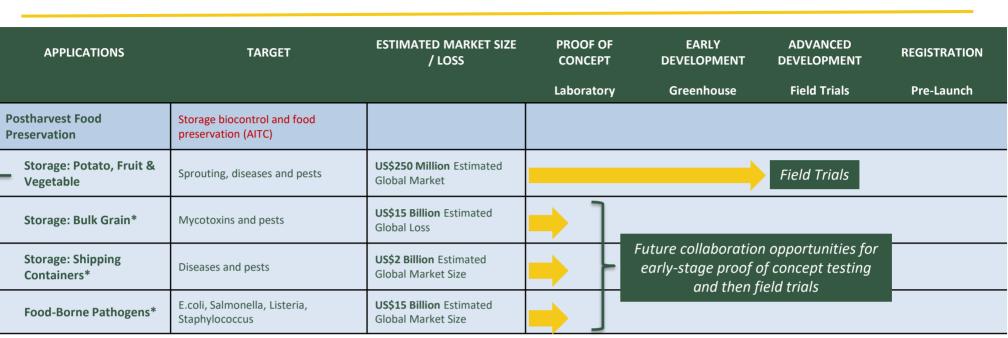
Platform Technology with Application in Multiple Markets



APPLICATIONS	TARGET	ESTIMATED MARKET SIZE / LOSS	PROOF OF CONCEPT	EARLY DEVELOPMENT	ADVANCED DEVELOPMENT	REGISTRATION
			Laboratory	Greenhouse	Field Trials	Pre-Launch
Preplant Soil Biofumigant	Soil-borne diseases and pests (AITC)			AITC		
All Crops – Fruits & Veg, Potatoes, Broad Acre, Turf & Ornamental, etc.	Fusarium, Botrytis, Verticillium, Rhizoctonia, Pythium, Phytophthora, Sclerotinia, Nematodes, etc.	US\$1.3 Billion Estimated Global Market Size in Fruit & Vegetable				TerraMG Registration work ongoing in multiple countries
Bananas	Fusarium wilt TR4 and other diseases, nematodes	US\$18 Billion Estimated Global Loss			•	
Canola	Clubroot (Plasmodiophora brassicae)	C\$500 Million Estimated Economic Loss in Canada			•	
Pulse Crops: Peas, Lentils, Legumes, etc.	Aphanomyces	C\$100 Million Estimated Economic Loss in Canada			•	
Postharvest Food Preservation	Storage biocontrol and food preservation (AITC)			AITC		
Storage: Potato, Fruit & Vegetable	Sprouting, diseases and pests	US\$250 Million Estimated Global Market			•	
Storage: Bulk Grain*	Mycotoxins and pests	US\$15 Billion Estimated Global Loss				
Storage: Shipping Containers*	Diseases and pests	US\$2 Billion Estimated Global Market Size				
Food-Borne Pathogens*	E.coli, Salmonella, Listeria, Staphylococcus	US\$15 Billion Estimated Global Market Size	→			
Bioherbicide	Weeds (thiocyanate)	US\$35 Billion Estimated Global Market Size		Thiocyand	nte	

Potential commercialization in next 12 months

Postharvest Application in Multiple Markets



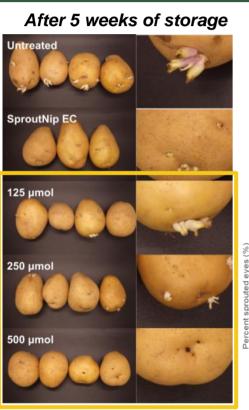
Licenced patent from University of Idaho

- Potentially "low hanging fruit" due to:
 - Fewer variables in a controlled environment.
 - Significant need to replace banned chemical CIPC in EU27.
 - No product on the market that does both sprout suppression and disease control.

Sprout Suppression

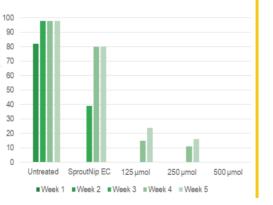


TerraMG[™]: Potato Sprout Suppression and Disease Prevention



- - Tested at three rates vs CIPC
 - All three rates outperformed the chemical in length of control
 - 500 µmol rate still had no sprouts at 11 weeks

% of Potatoes with Sprout





Tested at three rates

vs StorOX

control

All three rates

outperformed the

Great control at all

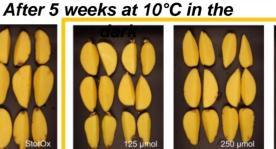
rates but 500 µmol

was totally clean

chemical in length of

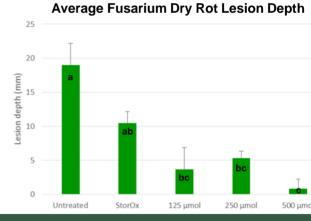


Disease Control – Dry Rot





MustGrow treatments



At the 500 µmol, MustGrow's treatment outperformed the positive chemical controls for both sprouting and dry rot

Soil Applications in Multiple Markets



APPLICATIONS	TARGET	ESTIMATED MARKET SIZE / LOSS	PROOF OF CONCEPT	EARLY DEVELOPMENT	ADVANCED DEVELOPMENT	REGISTRATION
			Laboratory	Greenhouse	Field Trials	Pre-Launch
Preplant Soil Biofumigant	Soil-borne diseases and pests (AITC)	Successful field	trials with collabo	rators is quickly shi	fting focus toward	l commercialization
All Crops – Fruits & Veg, Potatoes, Broad Acre, Turf & Ornamental, etc.	Fusarium, Botrytis, Verticillium, Rhizoctonia, Pythium, Phytophthora, Sclerotinia, Nematodes, etc.	US\$1.3 Billion Estimated Global Market Size in Fruit & Vegetable				TerraMG Registration work ongoing in multiple countries
Bananas	Fusarium wilt TR4 and other diseases, nematodes	US\$18 Billion Estimated Global Loss			ſ	
Canola	Clubroot (Plasmodiophora brassicae)	C\$500 Million Estimated Economic Loss in Canada			Field Tria	ls
Pulse Crops: Peas, Lentils, Legumes, etc.	Aphanomyces	C\$100 Million Estimated Economic Loss in Canada				
Bioherbicide	Weeds (thiocyanate)	US\$35 Billion Estimated Global Market Size		Extract and	formulation opti	mization

Results of 80 field and greenhouse trials completed from 2008-2020 with:

- 82% of the time, treatments showed statistically significant positive results for at least one target compared to untreated checks.
- In 83% of the trials where an industry standard was used, MustGrow technology was numerically over 80% as efficacious as the standard for at least one target.
- Have been working on registrations in US and Canada, and with successful field trials in Mexico, focus is now on registrations in Mexico with Peru and Chile to follow.
- Quickest path to commercialization may be Mexico as Metam Sodium is under pressure due to it being banned in the EU (US\$28 million in annual grower level sales).

Targeted Crop Acres for Preplant Soil Fumigation in Americas

Total AcresAverage Price per
Acre**Grower Level
Fumigation SalesConventional16,287,394\$489/ac\$720 millionOrganic241,600n/aOpen
Opportunity

Targeted Acres and Fumigation Data in the Key Countries in the Americas (2018 - USD)

* Buffer Zones are 5-20% of total fumigated acres.

** Average price per acre is US\$450-600 per acre for product in US.

- > High value crops at such as fruit & veggie, potato, tree, nut & vine, etc.
- Grower level pricing in US in 2018
- > Synthetical chemical registration under pressure or banned:
 - 1,3-Dichloroproene registrations have been banned in Canada & EU
 - Chloropicrin has been banned in EU
 - Metam sodium is still registered in most countries but is under significant pressure
 - Methyl bromide has been banned and is nearly gone globally with some sales in exempted crops

Options for Commercialization and Production



Options for Commercialization

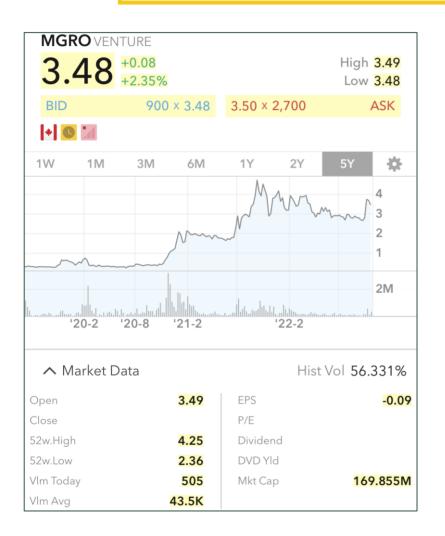
- M&A
- Licencing (monetary upfront and royalty thereafter)
- Buy & Supply
- Partnership / Distribution

Options for Production

- Mass balances, equipment and plant layout completed
- Prefeasibility engineering on "Standalone, Greenfield Development" completed, unlikely required as equipment readily exists:
 - Tanks, centrifuges, pumps, dryers
 - Investment in CAPEX may not be required
- We have produced product from contract manufacturers
 - Identifying more contract manufacturers for initial production
 - Assessing strategic partnerships for production



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Basic Shares Outstanding	49,659,237
Options/RSU's/DSU's	4,405,736
Warrants	1,490,304
Fully-Diluted Shares Outstanding	55,555,277
Market Cap (CAD)	\$172,814,145
Insider & Advisor Ownership (~20%)	10,024,904
Average Volume (3 month)	80,260
Previous Capital Spent (CAD)	\$15,000,000
Cash Position (CAD)	\$7,100,000
Debt (CAD)	\$800,000

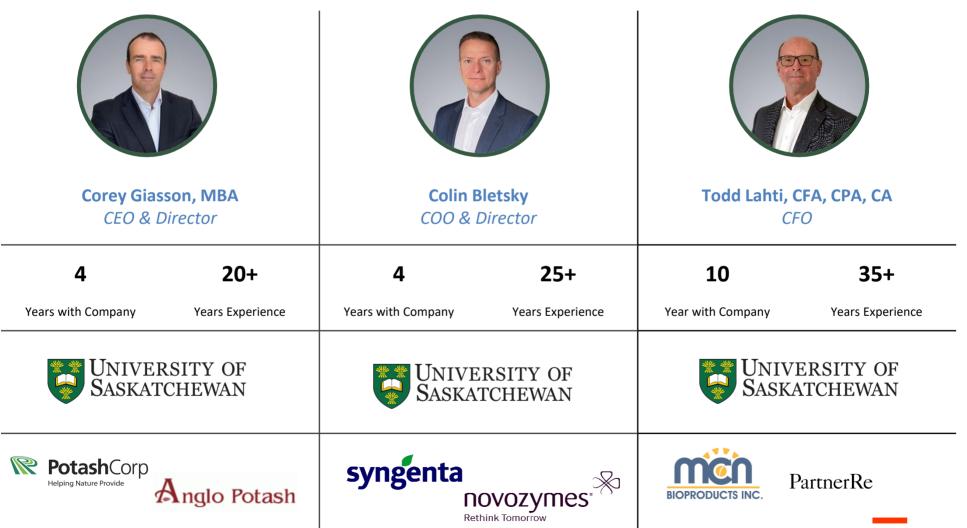
* Since TSXV listing debut on November 11, 2022.

**Debt has no maturity; no interest payable; no scheduled principal payments. Due upon change of control of MustGrow and/or certain revenue milestones.

Experienced Leadership Team

Lean executive team has the vision, energy and experience to execute







Board of Directors & Advisors





