



MustGrow is an agriculture biotechnology company focused on providing natural, science-based biological solutions to replace synthetic chemicals used in high value crops such as fruit & vegetables and other industries



MustGrow is providing a natural, organic technology platform with the efficacy of synthetic chemicals and application in many markets: **Soil Biofumigants**, **Postharvest Food Preservation** and **Bioherbicides**

- 100% owned patented technology that is mustard-derived formulated plant extract
- We've harnessed what nature provides to the mustard plant → compounds that have novel modes of action to protect itself as a nematicide, fungicide, insecticide and herbicide
- The technology is a natural sustainable alternative to synthetic chemicals while maintaining a similar efficacy in treating disease and pests
- Multiple applications - preplant soil fumigation, postharvest food preservation, herbicide (weeds)
- Currently on the cusp of commercialization with potential of no CAPEX for initial production

What is going to replace banned synthetic chemicals? How are we going to grow a sustainable food supply?

Key Challenges

- Food security issues: rapid population growth and finite amount of arable land
- Consumer demand for safe, healthy, sustainable food supply
- Companies' growing interest in replacing synthetic chemicals
- Increasing regulatory pressure on synthetic chemicals and banning of existing chemistries, leaving limited alternatives
- Producers' need for effective alternatives to synthetic chemicals






MustGrow's Technological Solutions

- **Effective:** biological diseases and pest control comparable to synthetic ag chemicals
- **Flexible:** can be used in variety of existing application systems and for numerous crops
- **Safe:** non-hazardous, minimal worker safety, bystander or environmental concerns
- **Organic:** eligible for use in organic production
- **Efficient:** compared to cover cropping
- **Economical:** potential to be priced competitively with conventional alternatives

Global Partnerships Validate MustGrow's Potential



Commercial and R&D Pipeline

APPLICATIONS	TARGET	ESTIMATED MARKET SIZE/ LOSS	PROOF OF CONCEPT Laboratory	EARLY DEVELOPMENT Greenhouse	ADVANCED DEVELOPMENT Field Trails	REGISTRATION Pre-Launch	Partners
Preplant Soil Biofumigant	Soil-borne diseases and pest (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	Sumitomo Corporation 
Bananas	Fusarium wilt TR4 and other diseases, nematodes	US\$18 Billion Estimated Global Loss					Sumitomo Corporation 
Canola	Clubroot (Plasmodiophora brassicae)	C\$500 Million Estimated Economic Loss in Canada					NexusBioAg 
Pulse Crops: Peas, Lentils, Legumes, etc.	Aphanomyces	C\$100 Million Estimated Economic Loss in Canada					NexusBioAg 
Postharvest Food Preservation	Storage biocontrol and food preservation (AITC)			AITC			
Storage: Potato, Fruit & Vegetable	Sprouting, diseases and pests	US\$250 Million Estimated Global Market					Sumitomo Corporation 
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					
					*Potential Commercialization in the next 12 months		
Bioherbicide	Weeds (thiocyanate)	US\$35 Billion Estimated Global Market Size		Thiocyanate			

Returns organic plant material to the soil • **Dissipates in the soil** quickly
Avoids toxicity to beneficial micro-organisms • **Promotes a healthy microbiome** for the soil



Capital Structure

Basic Shares Outstanding	49,677,755
Options/RSU's/DSU's	4,387,218
Warrants	1,490,304
Fully-Diluted Shares Outstanding	55,555,277
Market Cap (CAD)	\$193,246,467
Insider & Advisor Ownership (~20%)	10,013,422
Average Volume (3 month)	64,100

Previous Capital Spent (CAD)	\$15,000,000
Cash Position (CAD)	\$6,700,000
Debt (CAD)	\$800,000