

MustGrow is an agriculture biotechnology company focused on the development and commercialization of natural biological technologies from mustard seed for use: as an alternative to banned/restricted synthetic chemicals and fertilizers; in organic acres; and to improve soil health



MustGrow is providing a natural, organic technology platform for use in many markets: Soil Amendment & **Biofertilizers, Soil Biocontrol and Postharvest Food Preservation**

- 100% owned patented technology that is mustard-derived formulated plant extract (84 issued & pending patents)
- 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, and carbohydrates and proteins for soil health
- Technology has potential for multiple product lines in multiple markets:
 - Preplant Soil Amendment & Biofertility estimating US\$15 billion market by 2030
 - Preplant Soil Biocontrol estimating US\$17 billion market by 2030
 - Postharvest Biocontrol & Food Preservation estimating US\$1.5 billion in potatoes & F&V
- 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
- Increasing regulatory pressure on synthetic chemicals and fertilizers
- Producers' need for effective alternatives to synthetic chemicals
- Global soil health degradation

MustGrow's Technological Solutions

- **Effective:** biological soil health, fertility, disease and pest control comparable to synthetics
- 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
- Positive Soil Health: natural organic breakdown
- Efficient: compared to cover cropping
- **Economical:** potential to be priced competitively with conventional alternatives

Global Partnerships Validate MustGrow's Potential









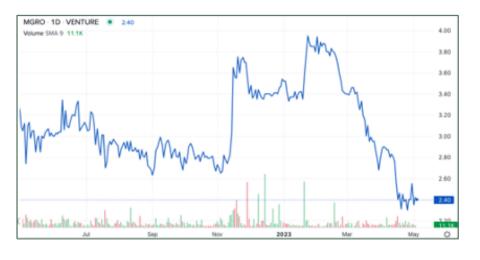
Commercial and R&D Pipeline

APPLICATIONS		TARGET	ESTIMATED MARKET SIZE/ LOSS	PROOF OF CONCEPT Laboratory	EARLY R & D Greenhouse	ADVANCED R & D Field Trails	REGISTRATION Pre-Launch	Partner
Soil Applied	Soil Amendment & Biofertility							
	TerraSante	Preplant Soil Conditioner for Healthier Soil	US\$3.5 Billion Estimated Global Market Size		—		TerraSante TM Registration work ongoing in the US and Canada	
	Biofertilizers	Preplant soil Biofertilizers for yield enhancement	US\$2.6 Billion Estimated Global Loss			Formulation Work		
	Soil Biocontrol							Sumitomo Corporation
	TerraMG [™]	Fusarium, Botrytis, Verticillium, Rhizoctonia, Pythium, Phytophthora, Sclerotinia, Aphamomyces, Clubroot Disease, Nematodes, etc	US\$1.3Billion Estimated Global Market Size in Fruit & Vegetables				TerraMG [™] Registration work ongoing in multiple countries	
	Bioherbicide	Natural Herbicide	US\$35Billion Estimated Global Market Size		Formulation work on new extract			Sumitomo Corporation
Non Soil Applied	Postharvest Biocontrol & Food Preservation							
	Storage: Potato, Fruit & Vegetable	Sprouting, diseases and pests	US\$250 Million Estimated Global Market					JANSENPMP PRESENTATION AND REPORT FOR THE PROPERTY OF THE PROP
	Storage: Bulk Grain*	Mycotoxins and pests	US\$15 Billion Estimated Global Loss	→	Seeking Partners			
	Storage: Shipping Containers*	Diseases and pests	US\$2 Billion Estimated Global Market Size	→	Seeking Partners			

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)	\$119,226,612
Insider & Advisor Ownership (~20%)	10,013,422
Average Volume (3 month)	17,785
Previous Capital Spent (CAD)	\$23,000,000
Cash Position (CAD)	\$5,600,000
Debt (CAD)	\$800,000

TSXV: MGRO | OTCQB: MGROF | FRA: 0C0