

MustGrow Outlines Crop Protection Product Pipeline

Saskatoon, SK, December 13, 2019 – **MustGrow Biologics Corp. (CSE: MGRO) (OTC: MGROF)** (the "Company", "MustGrow"), an agricultural biotech company developing and commercializing a portfolio of natural, science-based biological crop protection products, is pleased to announce its biologic crop protection product pipeline and associated work schedule.

MustGrow’s signature mustard-derived bio-pesticide product in ‘granule format’ is EPA-approved for use in fruits, vegetables, nuts, turf and ornamentals. Organic compounds found in mustard seed form the active ingredient – utilizing the plant’s natural defense mechanism as a natural bio-pesticide and bio-fungicide. MustGrow has concentrated the active ingredient in both granular and *now* liquid format (the “**Liquid Formulation**”) to maximize safety and efficacy – a key milestone for growers seeking a ‘natural biological’ alternative to ‘chemistry-based’ products, some of which are dangerous to human health. The advanced Liquid Formulation may be applied through standard drip or spray equipment, improving effectiveness, economics, functionality and performance features.

MustGrow’s Liquid Formulation has achieved 100% control of hard-to-kill soil borne diseases such as Botrytis and Fusarium. To determine economic viability of the Liquid Formulation, the lowest effective application use-rates have also been tested: >95% control was achieved at rates as low as 2.5 gal/acre. This rate is believed by MustGrow to be an economically-feasible application rate in major fruits, vegetables, turf, ornamental and some broad acre farming operations.

The following product pipeline table outlines the advancement progress of MustGrow’s Liquid Formulation in applicable crop protection categories:

Product	Activity	Crops	Target
Stage 3: Development and Pre-Launch			
TerraMG™	Bio-Pesticide	Fruit, Vegetables, Turf and Ornamentals	Soil-borne pests, diseases and nematodes
MG 1001	Bio-Pesticide	Tobacco	Soil-borne pests, diseases and nematodes
Stage 2: Evaluation and Optimization			
MG 2001	Bio-Herbicide (Non-Selective)	All Crops	Noxious or resistant weeds
MG 1002	Bio-Pesticide	Stored Grain	Mycotoxin and insect control
MG 4001	Bio-Fungicide	Canola	Club Root (<i>Plasmodiophora brassicae</i>)
Stage 1: Invention and Initial Testing			
MG 4002	Bio-Fungicide	Bananas	<i>Fusarium wilt TR4</i>
MG 1003	Bio-Pesticide	Broad Acre	Soil-borne pests, diseases and nematodes
MG 1004	Bio-Pesticide	Fresh Produce	<i>E.coli, Salmonella, Listeria</i> , other disease and insects
MG 5001	Bio-Insecticide	Citrus Trees	Asian Citrus Psyllid – <i>Citrus Greening</i>

MustGrow’s intellectual property suite is a platform for several crop protection categories, aiming to disrupt global agriculture markets that have traditionally been dominated by chemistry-based products. MustGrow



views these crop protection categories as significant opportunities, given the substantial market sizes and the applicability of our Liquid Formulation in these categories. MustGrow's existing patent portfolio protects both *method-of-use* and *composition-of-matter* claims for MustGrow's signature mustard-derived approach to controlling unwanted pests and diseases.

About MustGrow

MustGrow is a publicly traded (**CSE: MGRO**) (**OTC: MGROF**) agricultural biotech company focused on providing natural science-based biological solutions for high value crops, including fruit & vegetable and cannabis cultivation. MustGrow has designed and owns a United States EPA-approved organic solution that uses the mustard seed's natural defence mechanism to protect plants from pests and diseases. 110 independent tests have been completed, validating MustGrow's safe and effective signature products. This product, in granule format, is EPA-approved across all key U.S. states as a fertilizer and pesticide (currently limited to fertilizer in California) and is designated by Health Canada's PMRA (Pest Management Regulatory Agency) as a fruit & vegetable bio-pesticide and fertilizer. MustGrow has now concentrated a liquid format to be applied through standard drip or spray equipment, improving functionality and performance features.

In cannabis, MustGrow is currently developing effective, safe and biological solutions that adhere to Health Canada's strict regulations, including (1) its mustard-derived bio-pesticide to treat soil-borne pests and diseases; and (2) an in-licensed bio-fungicide for powdery mildew.

The Company has approximately 36.1 million basic common shares issued and outstanding. For further details please visit www.mustgrow.ca.

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Forward-Looking Statements

Certain statements included in this press release constitute "forward-looking statements" which involve known and unknown risks, uncertainties and other factors that may affect the results, performance or achievements of MustGrow.

Generally, forward-looking information can be identified by the use of forward-looking terminology such as "plans", "expects", "is expected", "budget", "estimates", "intends", "anticipates" or "does not anticipate", or "believes", or variations of such words and phrases or statements that certain actions, events or results "may", "could", "would", "might", "occur" or "be achieved".

Forward-looking statements are subject to a number of risks and uncertainties that may cause the actual results of MustGrow to differ materially from those discussed in such forward-looking statements, and even if such actual results are realized or substantially realized, there can be no assurance that they will have the expected consequences to, or effects on, MustGrow.

These risks are described in more detail in MustGrow's continuous disclosure documents filed by MustGrow with the applicable securities regulatory authorities and available at www.sedar.com. Readers



are referred to such documents for more detailed information about MustGrow, which is subject to the qualifications, assumptions and notes set forth therein.

This release does not constitute an offer for sale of, nor a solicitation for offers to buy, any securities in the United States.

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