

MustGrow Announces Non-Selective Bio-Herbicide Patent Filing and Supportive Efficacy Claims

- **Patents filed for *method-of-use* and *composition-of-matter* claims for non-selective bio-herbicide.**
- **Utilizes MustGrow’s natural mustard-derived biological approach.**
- **Plants controlled from the root up, which may minimize exposure to non-target organisms.**

Saskatoon, SK, January 27, 2020 – **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 the filing of patents related to *method-of-use* and *composition-of-matter* claims for a biological non-selective bio-herbicide, based on MustGrow’s signature mustard-derived approach to controlling unwanted pests and diseases.

MustGrow has completed a series of application rate tests with Canada’s National Research Council to determine the applicability of MustGrow’s natural mustard-derived technology as a bio-pesticide. Using multiple application methods, herbicidal control was achieved after only 72 hours – controlling the trial plants from the root up. This strong data validates MustGrow’s natural science-based approach, utilizing the mustard seed’s natural defence mechanism, not only as a bio-pesticide, but also as a bio-herbicide.

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. This filing enhances MustGrow’s current patent portfolio covering many crop protection 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, diseases, and now weeds.

“The efficacious properties of our active ingredient as a bio-pesticide, bio-nematicide and bio-herbicide represent a key milestone for MustGrow,” remarked MustGrow COO Colin Bletsky. “MustGrow has plans to further expand our data set and focus testing on hard to kill and herbicide-resistant weeds as well as to expand applications of our remarkable natural mustard-based technology.”

Global Herbicides Market

According to industry intelligence group *Phillips McDougall*, the global herbicides market remained the dominant crop protection category in 2018, accounting for 42.7% of crop protection sales – \$24.6 billion (+5.9% y/y). This market is expected to grow by \$8.9 billion through 2023 (*Source: Technavio*).

The need for bio-herbicides is increasing as farmers, consumers and regulators seek alternatives to synthetic chemical pesticides. The dangers associated with synthetic chemical overuse is pushing these groups to naturally-sourced bio-herbicides, which are known for safe, environmentally-sustainable and consumer-friendly profile characteristics.

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 bio-fertilizer and bio-pesticide



(currently limited to a bio-fertilizer in California) and is designated by Health Canada's PMRA (Pest Management Regulatory Agency) as a fruit & vegetable bio-pesticide and bio-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 36.2 million basic common shares issued and outstanding and approximately 54.9 million on a fully diluted basis. For further details please visit www.mustgrow.ca.

ON BEHALF OF THE BOARD

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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 Prospectus and other 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.

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