

Agrios Data Managed Aeroponic Growing Systems Substantially Reduces Nutrient, Energy and Water Consumption

VANCOUVER, Sept. 5, 2019 /CNW/ - Agrios Global Holdings Ltd. (CSE: AGRO) (OTCQB: AGGHF) (FSE: ØSA - WKN-A2N62K) ("Agrios" or the "Company") reports their proprietary agriculture technology platform of data analytics driven aeroponic cultivation provides for a 100% bio and environmentally controlled indoor growing facility. The Company's platform has resulted in substantial cost reductions in several areas including energy by 63%, nutrients by 70%, and water consumption by 90+%.

The US\$10 billion per annum cannabis industry is one of the nation's most energy intensive. Energy consumption from indoor cannabis cultivation accounts for 1% of total US energy used annually, equating to US\$6 billion in energy costs. By comparison, an average household uses about 630 kilowatt hours (kWh) while an indoor grow of 5,000 square feet uses 41,808 kWh - roughly enough electricity to power sixty-six homes. In the state of California energy consumption increases from 1% of output to 3%.⁽¹⁾ If cultivators continue to use current cultivation methods production costs will rise. Recent data indicates cultivators are expected to use 162 % more energy by 2022 alone.

Just as with humans, cannabis plants need water to survive and thrive. Depending on the location of a cannabis cultivation, a single cannabis plant can require between three quarters of a liter and two liters of water per day. ⁽²⁾ Agrios' controlled environment enables cultivators to reduce water consumption by at least 90%.

Agrios provides a comprehensive suite of services to licensed cannabis producers, including indoor aeroponic growing equipment furnished with high performance monitoring sensors that collect actionable data on key growing metrics. As many as 32 variables are measured every 2 seconds on a per table basis. Monitoring the growing rooms in real time, Agrios aggregates both bio and environmental data sets, notifying the producer of any issues with water supply, temperature, nutrient mixture, ventilation, etc., so they may be addressed immediately.

"Our data analytics indicate that environmental and economic stewardship go hand in hand. We track key metrics in order to optimize plant growing conditions and then we can replicate those conditions, which enables the production of a more consistent final product across harvests. Our analysis of this data also enables us to avoid overfeeding and therefore reduces waste, ultimately increasing both our efficiency and our sustainability. We build growing plans that are customized on a per cultivar basis and while traditional, commercial agricultural practices typically require the application of hundreds of pounds of fertilizer per acre, these customized recipes require only a few mL for the entire lifecycle of the plant." stated Dr Curt Livesay, Director of Agronomy at Agrios Global.

Indoor cannabis cultivators using Agrios' aeroponic technology platform have achieved:

- **70%** reduction of **Nutrient** consumption
- **63%** reduction of **Energy** consumption
- **90%** reduction in **Water** consumption

Agrios' tenant is capitalizing on the improved operational efficiencies the Agrios platform provides, producing exceptional yields, and harvesting premium quality product at low production costs.

About Agrios Global Holdings Ltd.

Agrios Global Holdings is a data analytics driven agriculture technology and services company advancing the latest innovations in indoor growing science. The Company owns, leases and manages properties and equipment for eco-sustainable agronomy and provides advisory services to support all aspects of aeroponic cultivation in the cannabis sector. Agrios is actively pursuing new opportunities to expand its portfolio of tenant growers and infrastructure assets in strategic licensed jurisdictions. Based in Vancouver, BC. Agrios is managed by a highly accomplished team of experienced industry and capital markets experts who are committed to the growth of the company.

This news release was prepared by management of Agrios, which takes full responsibility for its contents. The Canadian Securities Exchange ("CSE") has not reviewed and does not accept responsibility for the adequacy of this news release. Neither the CSE nor its Regulation Services Provider (as that term is defined in the policies of the CSE) accepts responsibility for the adequacy or accuracy of this release.

- (1) [Ncsl.org/research/energy/electricity-in-use-in-marijuana](https://ncsl.org/research/energy/electricity-in-use-in-marijuana)
- (2) Information quoted from Zamesia

Forward Looking Statements

Statements in this news release that are forward-looking statements are subject to various risks and uncertainties concerning the specific factors disclosed here and elsewhere in Agrios' periodic filings with Canadian securities regulators. When used in this news release, words such as "will, could, plan, estimate, expect, intend, may, potential, believe, should," and similar expressions, are forward-looking statements.

Forward-looking statements may include, without limitation, statements related to corporate strategy and Agrios' ability to execute such strategy, future developments regarding Agrios' expansion into various markets including numerous states within the United States of America, and into Asia, expected costs of hemp fiber, intended development and sales of hemp products, market demand for hemp products, and the business and operations of Agrios as it relates to the Yunnan Province

Although Agrios has attempted to identify important factors that could cause actual results, performance or achievements to differ materially from those contained in the forward-looking statements, there can be other factors that cause results, performance or achievements not to be as anticipated, estimated or intended, including, but not limited to: dependence on obtaining regulatory approvals; investing in target companies or projects which have limited or no operating history and are engaged in activities currently considered illegal under US Federal laws; change in laws; limited operating history; reliance on management; requirements for additional financing; competition; hindering market growth and state adoption due to inconsistent public opinion and perception of the medical-use and adult-use marijuana industry and; regulatory or political change.

There can be no assurance that such information will prove to be accurate or that management's expectations or estimates of future developments, circumstances or results will materialize. Because of these risks and uncertainties, the results or events predicted in these forward-looking statements may differ materially from actual results or events.

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