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**Roots' RZTO technology increases cannabis yield 40%**

- **Roots proprietary Root Zone Temperature Optimization (RZTO) heating technology has increased the harvest yield on cannabis flowers by 40%.**
- **Results were achieved at Tim Blake's leased property in Laytonville, CA that houses the cultivation farm Little Hawk Collective, Inc. following an initial sale and installation in March 2019.**
- **A consistent root zone temperature range results in cannabis flower consistency and quality.**
- **Based on increased production and quality, cannabis growers will generate a return on investment (ROI) in less than one year.**

**Roots Sustainable Agricultural Technologies Limited (ASX: ROO, Roots or Company)** has used its Root Zone Temperature Optimization (RZTO) technology to increase the harvest yield of cannabis flower by 40% while increasing quality output and the number of harvests per year from two to three. The results were achieved at Tim Blake's leased property in Laytonville, CA that houses the cultivation farm Little Hawk Collective, Inc. following the initial sale and installation in March 2019. Roots' RZTO heating technology was used to stabilize the roots of cannabis plants at an optimal temperature range that improved the quality and consistency of the harvest during a spring of rain and freezing temperature. The entire cultivation team agreed that there would not have been a successful harvest at Little Hawk Collective, Inc. this spring if it were not for RZTO technology.

The successful results with Little Hawk Collective, Inc. further validates Roots' strategic focus on the high-value North American cannabis cultivation market. Roots' will now use this commercial demonstration to further illustrate the effectiveness of the technology and generate interest from the broader North American cannabis market.

Roots' CEO, Dr. Sharon Devir said, "This successful RZTO commercial demonstration strongly reaffirms our go-to market strategy in North America where we offer the only two-in-one heating and cooling technology. RZTO facilitates steady and consistent flower growth throughout the traditional growing season. Despite challenging outdoor growing conditions in California, our RZTO technology is providing effectiveness at mitigating the external weather conditions on cannabis."

"Building a capable management and operations team in North America will allow us to capitalize on these results as we look to expand our footprint to other states in the near future. This demonstration, along with our initial pilot on cannabis in Washington State, provides a strong validation of RZTO technology for the global Cannabis market and shows great potential for growers to increase yield, consistency and the number of growing cycles."

Tim Blake said, "Everyone is extremely satisfied with the harvest results achieved during the initial pilot run. RZTO enabled the farm of Little Hawk Collective, Inc. to have a 40% increase in yield from previous years harvests and superior flower quality during one of the coldest springs we have experienced in years. We are continuing to monitor the impact and results of RZTO technology and are looking forward to examining the seasons data at the end of the year."



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**About Roots Sustainable Agricultural Technologies Ltd:**

Israeli-based, Roots Sustainable Agricultural Technologies Ltd. is developing and commercialising disruptive, modular, cutting-edge technologies to address critical problems being faced by agriculture today, including plant climate management and the shortage of water for irrigation.

Roots has developed proprietary know-how and patents to optimise performance, lower installation costs, and reduce energy consumption to bring maximum benefit to farmers through their two-in-one root zone heating and cooling technology and off the grid irrigation by condensation technology.

Roots is a graduate company of the Office of the Israeli Chief Scientist Technological Incubator program. More information [www.Rootssat.com](http://www.Rootssat.com)

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