

ASX and MEDIA RELEASE

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Roots' strategic focus on North America delivers another RZTO sale

- A\$43,450/ US\$30,000 sale to 300-acre certified organic farm in Santa Barbara County in southern California and hoop house producer.
- Roots' proprietary Root Zone Temperature Optimisation (RZTO) cooling and heating technology with heat pump installed in hoop houses.
- Represents Roots' fourth installation in North America since March.

Roots Sustainable Agricultural Technologies Limited (ASX: ROO, Roots or Company) continues to experience success in North America, installing another of its Root Zone Temperature Optimisation (RZTO) heating and cooling system in California.

Valued at A\$43,450/ US\$30,000, the sale to large organic producer PRO involves the installation of Roots' proprietary RZTO cooling and heating technology in growbags and pots within hoop houses of varying sizes. The sale also includes Roots' monitoring and control system. Planting is scheduled for July 2019.

PRO owns a 300-acre certified organic farm in Santa Barbara County in southern California. The farm grows crops in open-fields and hoop houses.



PRO will install Roots' proprietary RZTO cooling and heating technology in growbags and pots within hoop houses of varying sizes

The latest sale represents Roots' fourth in North America since March, further validating the company's strategic focus on this region.

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Roots CEO, Dr. Sharon Devir said, "Roots continues to focus on increasing sales activity in North America , capitalising on the trend for outdoor and hoop house crop cultivation".

"PRO will initially use Roots' patented root zone technology to cool the plants' roots during the American summer, minimising the impact of external weather conditions and overnight temperature drops to increase crop quality and yield. During autumn and winter, Roots' RZTO heating technology will be used to stabilise crops at optimal temperatures."

This initial paid commercial demonstration has the potential to lead to a much larger installation in the future."

-ENDS-

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

About Root Zone Temperature Optimization (RZTO):

Root Zone Temperature Optimisation (RZTO) optimises plant physiology for increased growth, productivity and quality by stabilising the plant's root zone temperature. Leveraging the principle of Ground Source Heat Exchange (GSHE), Roots installs a closed-loop system of pipes. The lower part is installed at a depth where soil temperature is stable and not affected by weather extremes, and the upper part in the target crop's root zone just below the soil surface. Water flowing through the lower pipes is charged by the soil's stable temperature. The heated (or cooled) water is pumped through the pipes installed in the root zone, where the heat (or cold) is discharged.

This significantly increases yields, increases growing cycle planting options, improves quality, mitigates extreme heat and cold stress while significantly reducing energy consumption by stabilising and optimising the roots zone temperature.

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