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**Roots announces three key opinion leaders joining its
newly formed Scientific Advisory Board**

- **Formation of Scientific Advisory Board comprising internationally recognised and experienced researchers and opinion leaders.**
- **Advisors bring a breadth of experience in plant physiology, genetics, cell biology, soil and roots science**
- **Provides key scientific guidance for Roots' development program utilising its two proprietary technologies: Root Zone Temperature Optimization (RZTO) and Irrigation by Condensation (IBC).**

Roots Sustainable Agricultural Technologies Limited (ASX: ROO, Roots or Company) has formed a world-class Scientific Advisory Board comprising three leading agricultural scientists from Israel and the Netherlands. Roots is an Israel-based agri-tech company developing and commercialising cutting-edge technology to help farmers solve the world's food and water supply challenges.

Professor Raoul Bino, Professor Haim Rabinowitch and Professor Uzi Kafkafi are international opinion leaders in their respective specialty areas across agronomy. They will advise Roots on its development programs for its two proprietary technologies:

1. Root Zone Temperature Optimization (RZTO) which optimises plant physiology for increased growth, productivity and quality by stabilising the plant's root zone temperature; and
2. Irrigation by Condensation (IBC), a standalone irrigation system using a closed cycle of chilled water to produce condensation on the pipes that allows farming in remote locations previously unsuited to food production due to water shortages.

In announcing the appointments Roots CEO Dr Sharon Devir said, "we have assembled an impressive group of internationally recognised key opinion leaders who will be instrumental in assisting us move our important technologies forward and conduct further research and product development. The quality of the Advisory Board members is testimony to the potential of our RZTO and Irrigation by Condensation technologies to address critical problems being faced by agriculture today, including plant climate management and the shortage of water for irrigation."

The Roots Scientific Advisory Board will comprise three members:

Professor Raoul Bino

Managing Director of the Agrotechnology and Food Sciences Group, Wageningen University and Research Centre, Netherlands.

A professor of plant Metabolomics, Professor Bino is an expert in plant physiology, biochemistry, and cell biology. Professor Bino is active in international research programs and serves on several advisory boards.



Wageningen University Research (WUR) is ranked number 1* in the world in the field of Agriculture and Forestry.

* www.topuniversities.com/university-rankings/university-subject-rankings/2016/agriculture-forestry

Professor Haim Rabinowitch

Former Rector and former Dean of the Robert H. Smith Faculty of Agriculture, Food and Environment of the Hebrew University of Jerusalem.

Expert in plant physiology and genetics, Professor Rabinowitch has special interests and achievements in florogenesis, hybrid seed production in onions and garlic, and extending the shelf life of produce. The *Times of Israel* reported that Professor Rabinowitch, along with Professor Nachum Kedar, is credited with, “basically inventing the cherry tomato”.

The Hebrew University of Jerusalem is Israel's premier academic and research institution. Producing a third of Israel's civilian research, it is ranked 12th in the world in biotechnology patent filings and commercial development.

Professor Uzi Kafkafi

Professor Emeritus of Plant Nutrition and former Professor of Plant Nutrition (field crops) at Hebrew University of Jerusalem, Israel.

Specialising in research in phosphorus reactions in soils and plants, uptake by plants, adsorption in soils and clays, Professor Kafkafi was previously head of Agricultural Research Organization (ARO) Institute of Soil, Water and Environmental Sciences, Bet Dagan, Israel. He is the author of *Plant Roots: The Hidden Half*, a land mark book about the role and physiology of roots in agriculture and developments that have transformed biology. It is seen as a fundamental source of information for root scientists and has been reprinted several times.

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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

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