Root Zone Heating of Avocado
Israeli-based and publicly traded on the Australian Stock Exchange (ASX: ROO), Roots Sustainable Agricultural Technologies Ltd. is developing and commercializing disruptive, modular, cutting-edge technologies to address critical problems in agriculture today, including plant climate management and the shortage of water for irrigation.

ROOTS developed proprietary know-how and registered patents to optimize performance, lower installation costs, and reduce energy consumption to bring maximum benefit to farmers.
Root temperature is the most influential factor in plant physiology for growth, productivity and quality. An optimum temperature range is essential to productivity, health and output quality.

ROOTS’ technology cools and heats root zone temperatures to maintain the optimum temperature range all year round.
ROOTS’ RZTO technology performance

- Cooled: + 25%
- Un-Cooled

- Un-Heated
- Heated: + 66%

- Cooled: + 253%
- Un-Cooled

*Extending growing cycle

*Shortening growing cycle
RZTO technology’ results on Avocado Trees
Avocado’s trees, North of Israel*

Number of fruits in **Heated** (roots) trees increased by 112% compare to un-heated control trees.

Average total fruit weight of **Heated** trees is 80% heavier compared to un-heated control trees.
Thank you

Roots Sustainable Agricultural Technologies Ltd

ARBN: 619 754 540

Beit Halevy 202, 4287000, Israel

Tel: +972(9)7689995

Tel USA: +1 (509) 6681602

www.rootssat.com