

Advanced Agriculture -
Practice & Theory.

Lecture 14:

‘AutoAgronom’

Sustainable
Precision
Agriculture

“Hovenia dulcis”

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Photos by the author

Lecture 14

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**Hovenia dulcis plants (Japanese Raisins Tree) - 16 weeks after sowing.
In AutoAgronom-controlled-greenhouse, Ganey Am, Israel, July 2019.**



Yoseph Shoub ©

The same plants, 21 weeks after sowing.
Grown in Coco-peat, in 4 Liter containers.
Irrigated by Micro-irrigation system,
controlled by AutoAgronom system.

Left - one plant in container (x 2 cont.).
Right - three plants in container (x 2 cont.).



Roots system of 1 plant / cont.

Sown - March 17, 2019

Photographed - August 11, 2019



Roots system of 3 plants / cont.

Sown - March 17, 2019

Photographed - August 11, 2019



A photograph of a single, light-colored tree stem planted in a dark, rich soil. The stem is vertical and has several small, light-colored scars or nodes along its length. The background is a solid, bright yellow-green color.

1 Tree / con.

A photograph of three light-colored tree stems planted in a dark, rich soil. The stems are vertical and have several small, light-colored scars or nodes along their lengths. The background is a solid, bright yellow-green color.

3 Trees / con.

Yoseph Shoub ©



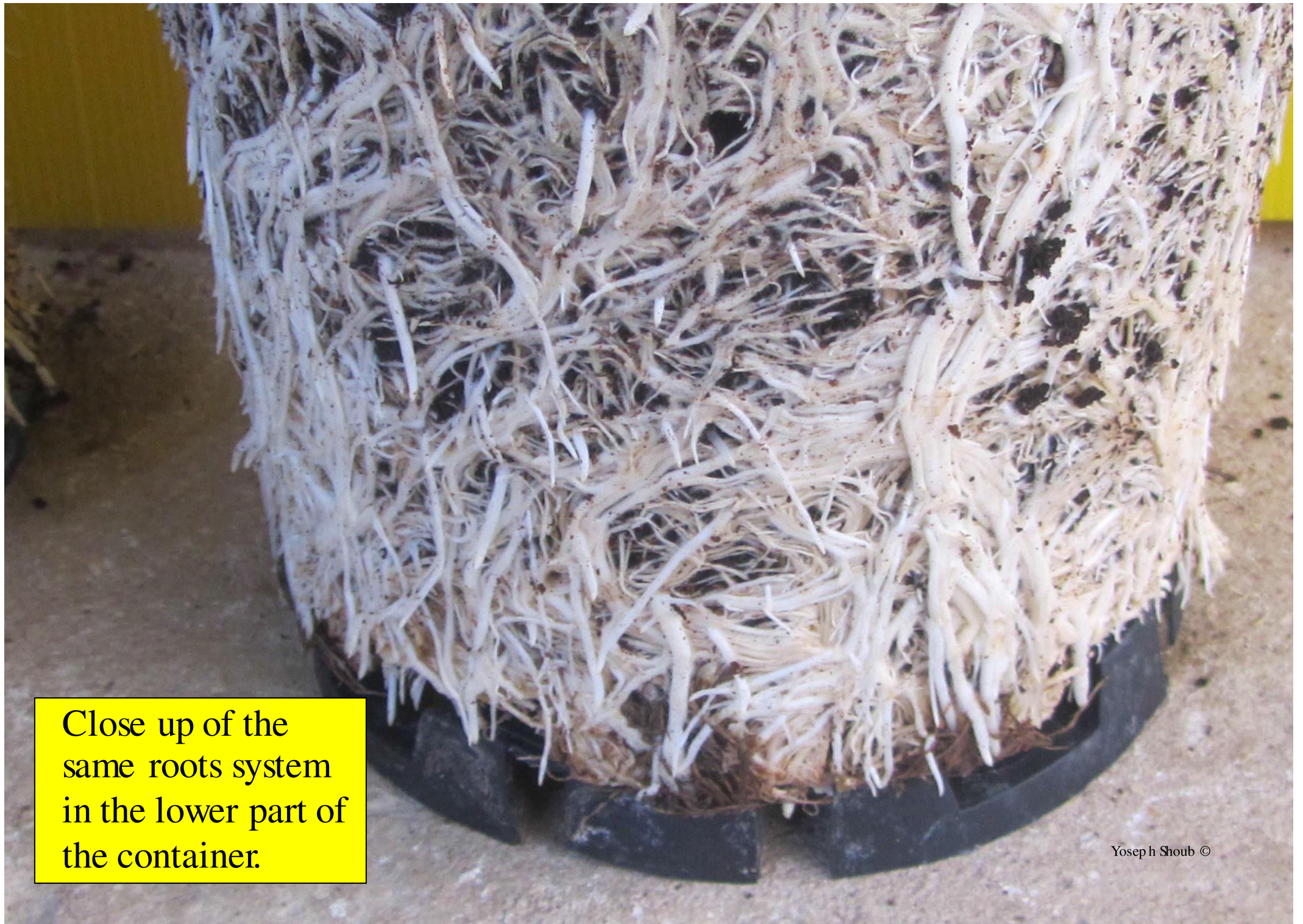
Yoseph Shoub ©

August 11, 2019 Ganey Am, Israel

Close up on the roots systems of 3 plants
on the upper part of the container.

Yoseph Shoub ©





Close up of the same roots system in the lower part of the container.



Increased photo of the roots system above the containers bottom