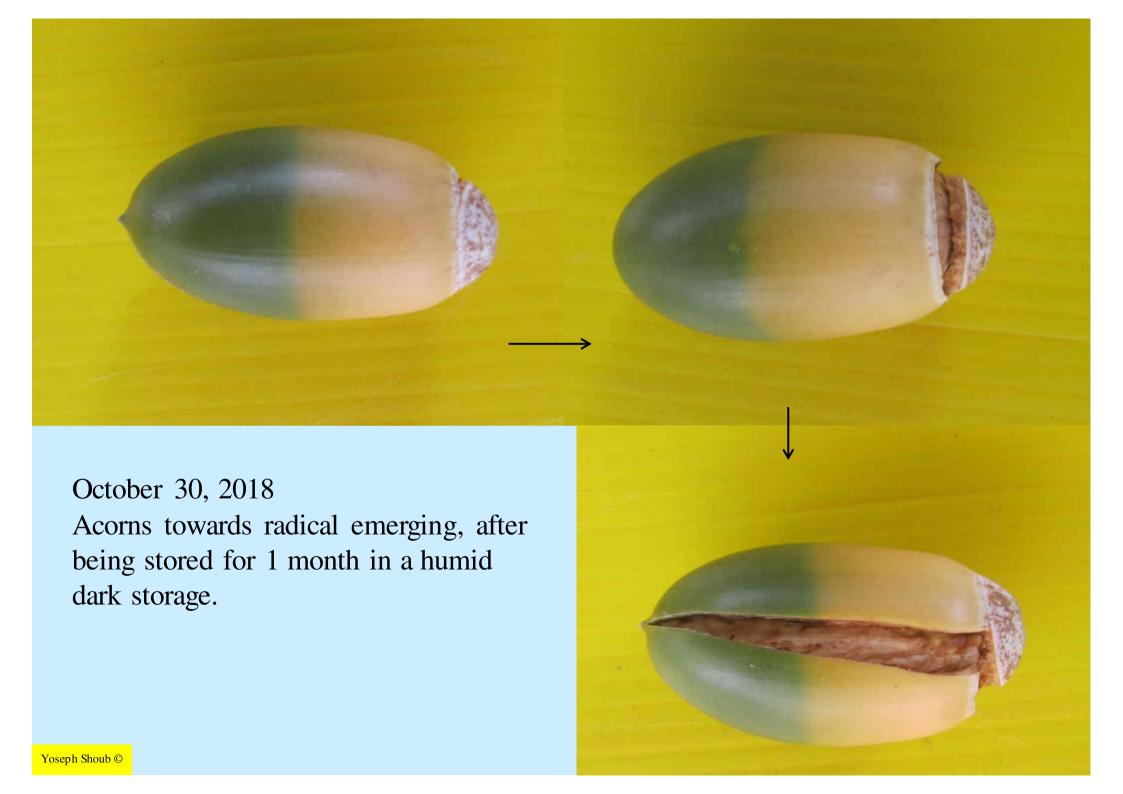


Yoseph Shoub © Quercus ithaburensis - April 2017, in a nature reserve, in the Sharon region.







31.03.2019, AutoAgronom controlled (QI) Seedlings, 121 days after sowing.

Sown on 30 November, 2018, in Coco peat, in 4 liter 'Rosier' containers.

Irrigated by an 'AutoAgronom ('AA') irrigation control system, led by a gerbera Plant (where the 'AA' Tensiometer was located).

See next slide.





The AutoAgronom Electronic

Tensiometer - is continuously measures the micro- changes of the 'Water tension' in the roots-media.

The water tension values, are related to the amount of water - presented in the measured location.

It accurately synchronizes the fertigation schedules to the rhythms of the plant's physiological activities, expressed by absorbing the 'soil solution'.

Practically; the Water tension cyclicchanges, are resulted by the - decreasing / increasing - amounts of the soil solution in the roots-media.

The high accuracy of the 'AA' sensors, allows it to maintain: 'Hydroponic conditions values - in solid media'.



QI Controlled by 'AA'.
Sown on 30, November 2018,
156 days after sowing.

05.05.2019

Same Quercus ithaburensis. Under conventional irrigation conditions, in an Israeli nursery.

Sown on 09, November 2018, in Coco peat, in 0.110 liter, cellspallets. 177 days after sowing. —





Average height 50 cm

Conventional irrigation conditions, in an Israeli nursery. Sown - 09.11.2018



03.09.2019 - 'AA', 277 days after sowing.

The seedlings were already suitable for transplanting, some months ago.



20 mm

03.09.2019 - 'AA'

(same plant)

277 days after sowing.

06.09.2019 - 'AA', 280 days after sowing.

Roots system of 2 QI seedlings, 6 cm above the container bottom.



That's the END of the presentation, but not the end of our very old wild tree.

Yoseph Shoub ©



