

Lettuce

Heated Lettuce With RZT System^(*)

Cutting growing cycle in half + 750 gr. lettuce on average

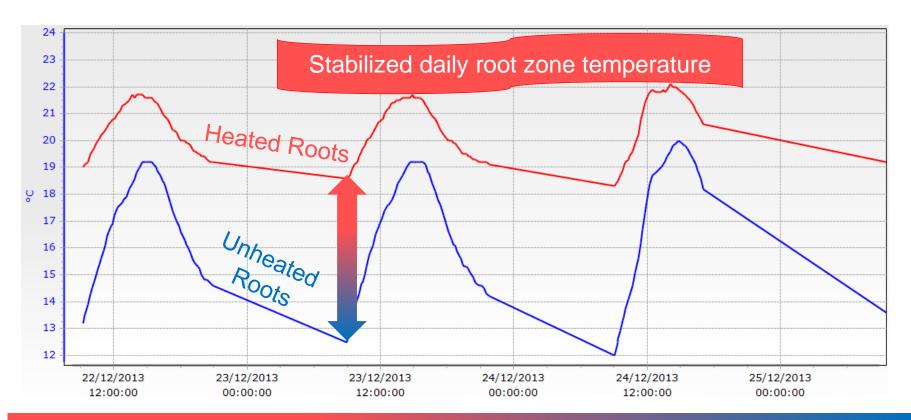






Heating Lettuce Roots, GSHE Only (*)

Root Zone Temperature measurements

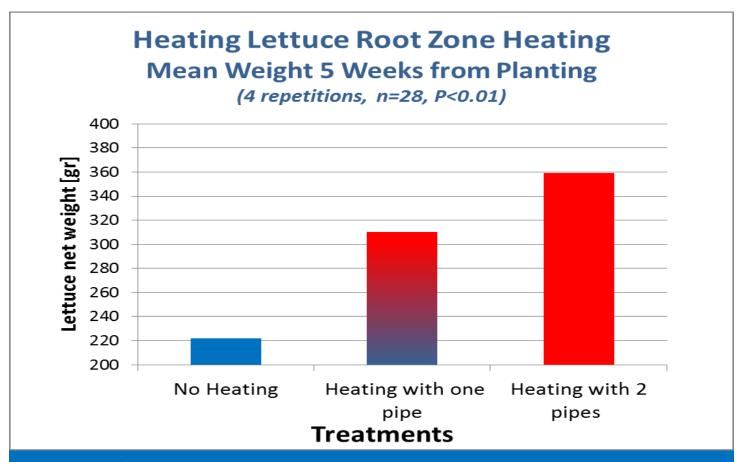


Significant temperature difference of ~6°c between Heated and Unheated



GSHE Lettuce Roots Heating(*)

Field Test Results



Significant shortening of growing cycle: from 12 weeks to 5 weeks



Lettuce - Roots Heated with RZT System(*)

Comparison among treatments

Control

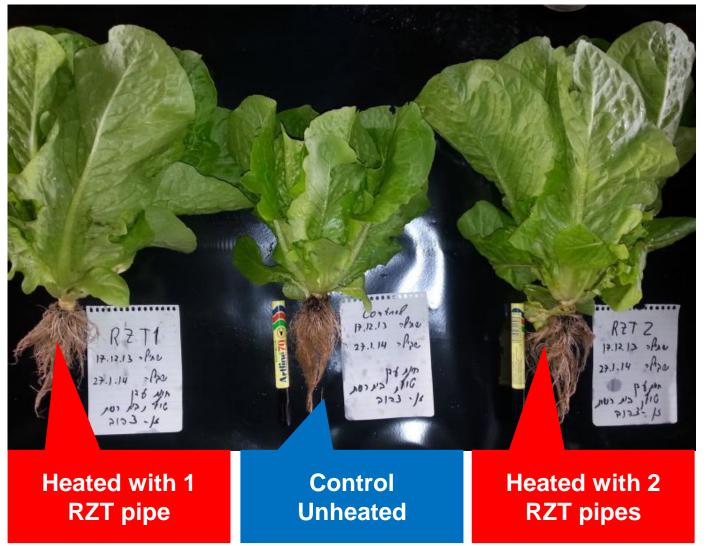
Heated





Lettuce - Roots Heated with RZT System(*)

Comparison among treatments





Effects of Lettuce Root Zone Cooling versus Control(*)

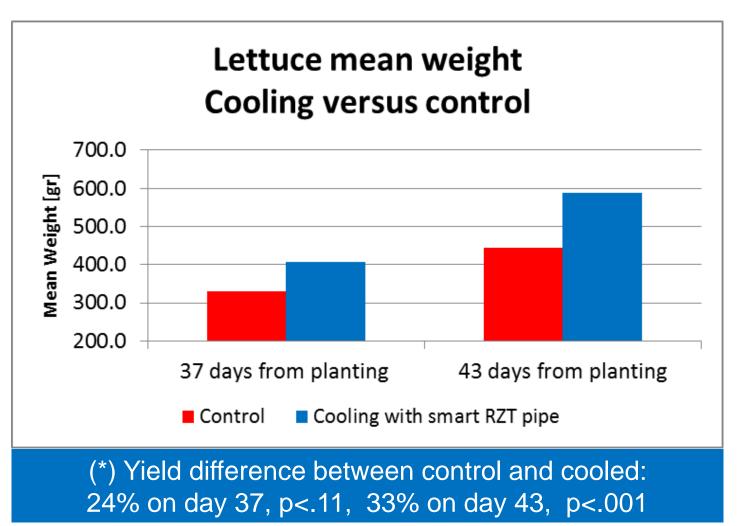
Greater uniformity, rapid growth and bigger plants In the cooled root zone rows vs. control **Control** root zone



Cooled

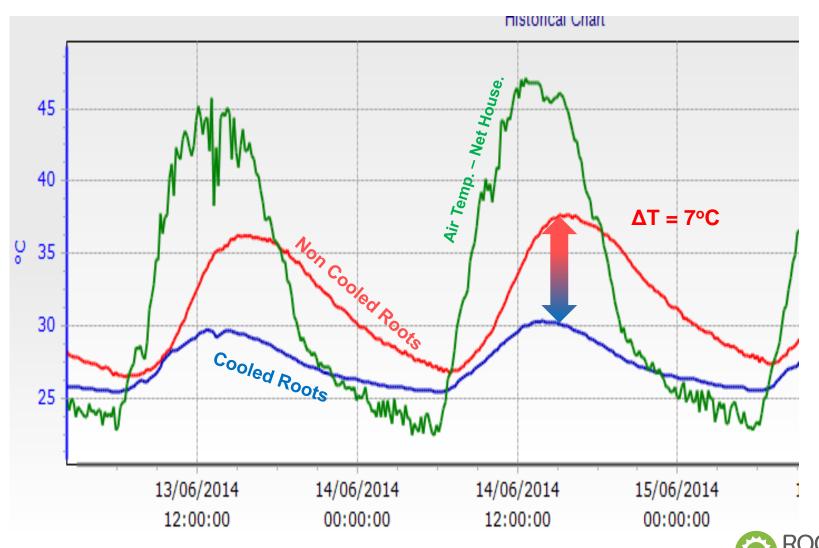
Lettuce Yield Increase (*)

Effects of cooling root zone with smart RZT and GSHE only





Lettuce - Effects of Root Zone Cooling versus Control^(*)



(*)Lettuce Noga, Planting in ground on June, Net House Jordan Valley, ISRAEL

Lettuce - Effects of Root Zone Cooling versus Control (*)

Harvest 43 days after planting

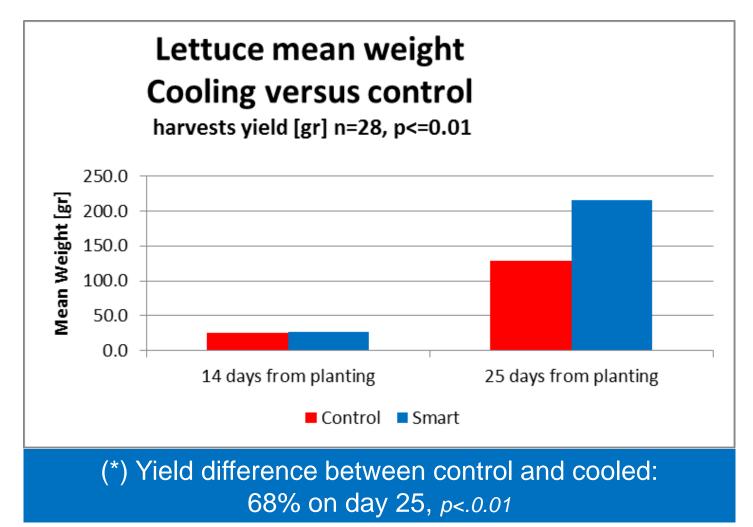






Lettuce Yield Increase (*)

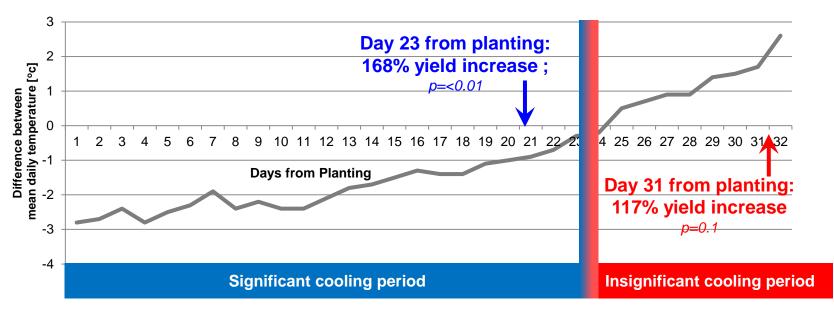
Effects of cooling root zone with smart RZT and GSHE only





Cooler Lettuce Root Zone Temperature Resulted in Higher Yield Difference (cooled versus control [%] (*))

Daily mean temperature difference between cooled and un cooled roots





Open Field Root Zone Cooling (*)

During the Summer





Open Field Lettuce Root Zone Cooling (*)

Effects of root zone cooling versus control

