

Quantum Growth Produces Record Fast Growth for Omena Organics' New Cherry Orchard in Arizona

Location: Omena Organics Farm, Sulfur Springs Valley, Arizona

Background: Bob Weaver grows cherries in Leelanau County, Michigan, the cherry capital of the world. He wanted to expand his operation in Sulphur Springs Valley in southern Arizona, planting 141 trees per acre on 40 acres.

Objective: To grow quality tart cherries in a different climate using established growing techniques, but maintain natural conditions as much as possible. The growing protocol consisted of Quantum Growth and water. In the first seven weeks after planting, the trees received a total of 1.25 gallons of Quantum Growth per acre. The trees were watered at a rate of 3 gallons per tree per day.

Results Achieved: **The trees showed 18" of new growth in just seven weeks.** Use of Quantum Growth allowed the plants to pull nitrogen from the atmosphere, eliminating the need for, and potential damage from, fertilizer. It stimulated rapid growth and improved soil water retention. Bob Weaver declared, "In Northern Michigan I would only hope for 18" of growth over a season, not just in seven short weeks. In my wildest dreams I would not have expected this aggressive tree growth."

Fig 1: Twig tree shows a bud within a week of planting.

Fig 2: shows a pen along side a branch of almost the same size, and substantial leaf growth several weeks later.



For more information on Quantum Growth products call 866.871.0154

Quantum Growth™

 **Ecological Laboratories** INC.

Fig 3: The tape measures 18" new growth at seven weeks



Fig 4: Down the row at seven weeks



Soil Analysis Report

	Desired Level	Lab Results
Nitrates	40 lbs./acre	6 lbs./acre
Phosphorus	174 lbs./acre	12 lbs./acre
Calcium	3000 lbs./acre	517 lbs./acre
Magnesium	429 lbs./acre	67 lbs./acre

Leaf Sample Report

	Normal Range	Lab Results
Nitrogen (%)	2.00 – 3.00	2.71
Phosphorus (%)	0.19 – 0.50	0.17
Calcium (%)	1.99 – 3.00	2.01
Magnesium (%)	0.39 – 0.60	0.60

The cherry trees grown in N, P, Ca and Mg deficient soil had leaves in the normal range for those nutrients. The only inputs for this farmer were water and Quantum Growth.

Fig 5: Between April and June the orchard received two gallons per acre of various Quantum products. This moisture ring is what is left after a brief shower. It looks like irrigation has been run when in fact it had not been run for twelve days prior to this photo.



For more information on Quantum Growth products call 866.871.0154

