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Valley Blue Blueberries 2010-2011

Objective: To examine the effects of OceanSolution™ protocols on blueberry Brix (sugar content) compared with a conventional chemical program.

Trial Location: Valley Blue Farms. Cornelius, Oregon.

Trial dates: July 8-October 31, 2010. May 22-September 8, 2011

USDA Liason: Mon Yee Ph.D. Soil Science Professor, Cal Poly University Pomona

Methods: After multiple conversations with Nick Duyck, President of Valley Blue Farms, OceanGrown developed a specific, detailed application formula designed for Valley Blue Farms to be used on one-acre of mineral stressed, newly matured blueberry plants which were treated with conventional NPK. This acre was located adjacent to blueberries grown using Valley Blue's standard synthetic applications.

Results:

2010- OS Brix range: 19.3-24.4

NPK Brix range: 12.2-16.5

The Brix values for the OS blueberries were so high that Mr. Duyck returned to his plant for new Brix meters *twice* to make sure the readings were correct. Impressed by the foliage of the plants, taste difference, appearance, and quality of taste from the blueberries, Mr. Duyck ended the conversation by asking for a quote for the entire farm.

2011- OS Brix range: 18.1-20.6

NPK Brix range: 15.1-16.5

After evaluating on 8/25/11, Dr. Yee stated "the OceanGrown treated blueberries were causing the plants to lean with an abundance of fruit, while the non treated plants were still upright." In the words of Mr Duyck, "There were considerable gains in the improvement of plant growth and quality of the blueberries."

Conclusions: OceanSolution protocols caused a dramatic increase in blueberry Brix for two years in a row compared with standard chemical applications. This is particularly interesting because these protocols called for a dramatic reduction in N and P, and this implies that OceanSolution protocols have the potential to allow farmers to increase Brix readings while decreasing N and P environmental pollution.





OceanSolution **Conventional**





High Conventional

Low OceanSolution

High OceanSolution



OceanSolution

Conventional

