

BIO SEED & VITAZYME ON STRAWBERRY YIELDS, OXNARD, CA, 2018

A small (4 m x 6 m) plot, six-replication trial, in Portola strawberry, conducted by researcher David Holden, of Holden Research and Consulting, at Oxnard, Ventura County, California, from July 16 to December 5 of 2018, on a 1.45% organic matter, pH 7.75, sandy loam soil, fertilized evenly with in-season applications of N-P-K, with eighteen in-season (Oct 2 – Dec 5) picks, concluded the following:

The Bioseed & Vitazyme program had significantly positive effects on yields, due to higher average weight and production of marketable fruit, along with general increase in total fruit production. Thus, the program of Bio Seed 50 g/ac., in drench at planting, and Vitazyme 16 fl. oz. (1 pt.) /ac. in drench at planting, followed by five foliar sprays of the same rate every 3 weeks, produced significantly higher yield in number of marketable trays per acre (by 338 trays or 28%), significantly higher cumulative returns, after removing harvest, transportation & storage costs, but still not of new program (by \$ 2716 /ac. or 35%), a higher percentage of marketable berries (by 4.1 units), and overall net added profits, after removing program costs, of \$ 2650 / ac., for a cost-benefit ratio of 40 to 1. Pre-harvest soil & leaf analyses showed plentiful supplies of nitrogen, phosphorus, potassium & boron.

Programs	cumul. market. 8-lb. trays/ac.	cumul. net returns ^a \$/ac.	% marketable berries	Added program costs ^b \$/ac.	Net profit \$/ac.	Cost-benefit ratio
Untreated Control (grower standard)	1191	7,800	62.0	-	-	
Bio Seed drench at planting & Vitazyme drench at planting & 5 foliar sprays, every 3 weeks	1529	10,516	66.1	65.625	2650	40
Increase	338	2716	4.1			
Increase %	28.4	34.8				

^a Cumulative net return, after \$6.00 per tray removed for picking labor, carton, tray, transportation to cooler, & cooling costs, but not Bio Seed & Vitazyme costs.

^b Bio Seed 50 g/ac. at \$ 12.50/ac.; Vitazyme 16 fl. oz. (1 pt.) /ac. at \$ 10.625/ac.

