



Terra Ag
Technologies®

"Producing higher yields for growers, one farm at a time."®

100%
sustainable
Produced without
greenhouse gas emissions



Organic Plant & Soil Pro 2™ Spinach

Spinach with Organic Plant & Soil Pro 2

vs. the control group –

27.10 % more yield per acre

Results of Control (Grower Standard Program) vs. Organic Plant & Soil Pro 2™

Morgantini Ranch. Greenfield, CA | Block 3, Ippolito Farms

Planted all blocks on June 17 and harvested on July 19. Evaluation done on July 17.



Control



Organic Plant & Soil Pro 2

The Spinach applied with Organic Plant & Soil Pro 2 had the following agricultural results, compared with Grower Std. Program:

- ▶ Bigger, thicker and heavier leaves.
- ▶ Foliage with more structure and tastier flavor with 8.70% less Nitrates content.
- ▶ Overall plant with better root system, thicker stems and healthier condition.
- ▶ Less presence of yellowing and burned leaves.

Planted all blocks on June 17 and harvested on July 19. Evaluation done on July 17.



Follow up on Trials, done in coordination with Mr. Luis. Evaluation coordinated with Mr. Luis.

Opportunities:

- ▶ Opportunity in savings in input costs and get better yields (weights) with an excellent quality product with less nitrate content.
- ▶ According to field managers, Organic Plant & Soil Pro 2 block was ready to be harvested before Control. That gives the opportunity to have more production cycles per season and more efficient use of land and resources.

Yield Results: Baby Spinach, Organic

Morgantini Ranch, Block 3, Greenfield, CA - July, 219

	Individual Blocks	Varieties	Yield Average Analysis 4 Samples Total (gr/0.7 Mt2)	Harvested Weight Yield (Kg/Acre)	Harvested Weight Yield (Pounds/Acre)
Control	3A	1	1,358	5,266.43	11,586.14
Organic Plant & Soil Pro 2	3B	1	1,726	6,693.56	14,725.83

Difference of Extra Yield (Pounds/Acre) Using Organic Plant & Soil Pro 2 vs. Actual Fertilization Program **3,139.69**

Difference (%) More Yield, with Organic Plant & Soil Pro 2 **27.10%**

*** Comments: Organic Plant & Soil Pro 2 side looked more green, firm, and larger; Control looked smaller and lighter

** Evaluation done, with cut of 4 inches, including leaves and stems in both sides.

Nitrates Content (NO₃⁻) in PPM



Difference (PPM Nitrates Content in Final Product) Using Organic Plant & Soil Pro 2 vs. Actual Fertilization Program **-60.00**

Difference (%) Reduction of Nitrate Content **-8.70%**