

## INCREASE PUMPKIN YIELD WITH FERTILEADER

**RESEARCHER:**

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PSU Extension

**SITE LOCATION:**

Lancaster County, PA  
Pumpkins, 2017

**PURPOSE**

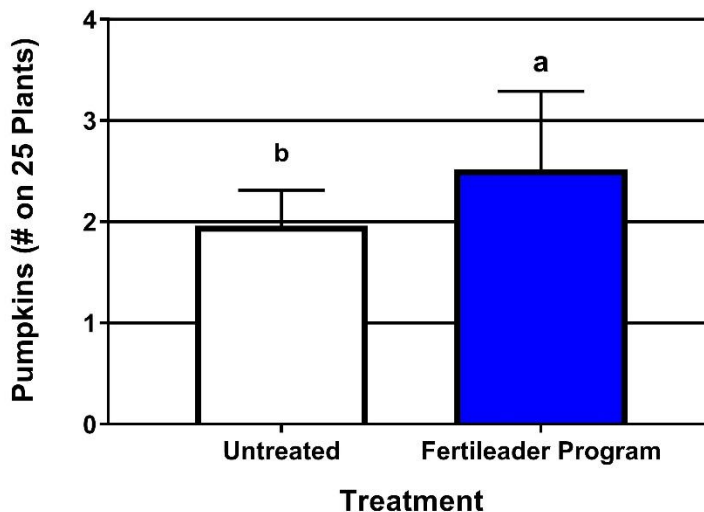
The purpose of this experiment was to test a full Fertileader program on pumpkin production in Lancaster County, PA with a contract researcher. Jordan Martin only oversaw the application of our products; sampling and harvest was all conducted by a 3<sup>rd</sup> party.

**APPLICATION**

PRODUCT	APPLICATION RATE	APPLICATION TIMING
Standard Program		
Fertileader Program:		
<ul style="list-style-type: none"> <li>• Vital</li> <li>• Kaleo</li> <li>• Magical</li> </ul>	5 pts/ac (split) 5 pts/ac (split) 5 pts/ac (split)	Running Fruit Sizing Ripening

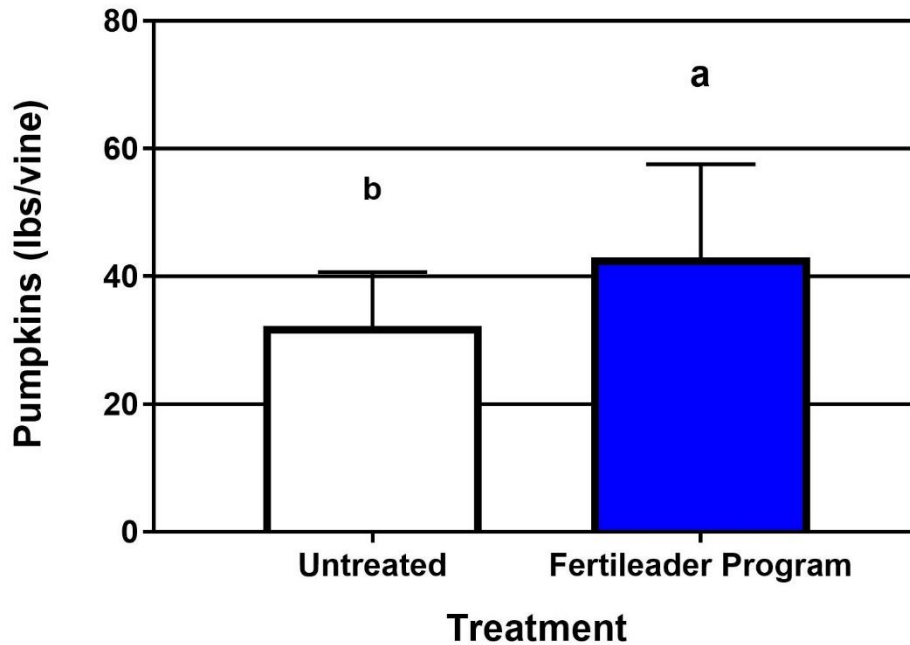
**RESULTS**

**Fertileader Effects Number of Pumpkins Per Plant**



**GRAPH 1:** Number of plants per vine. 25 vines were randomly selected in the treated and control blocks, and the number of fruits were counted. The Fertileader treated block had significantly more fruit per vine than the control program. (p-value <0.05)

### Fertileader Effects Pounds of Pumpkins Per Plant



**GRAPH 2:** Pounds of pumpkins per vine. 25 vines were randomly selected in the treated and control blocks, and the pumpkins were weighed. The Fertileader treated block had significantly more pounds of fruit per vine than control program. (p-value <0.05)

**TABLE 1: ECONOMIC RESULTS OF THE TRIALS**

RESULTS	UNTREATED	FERTILEADER
Pumpkins per Plant	2.16 b #	2.56 a #
Weight per Plant	37.19 b lbs	43.185 a lbs
Total weight per acre	26.03 tons/ac	30.23 tons/acre
Return on Investment	\$0/acre	\$1,008/acre

Assumption: \$0.12/lb pumpkin price

**KEY FINDINGS**

Fertileader increased pumpkin yields by over 4 tons per acre. Fertileader keeps stress from impacting flower and fruit set and increases nutrient uptake.