

RESEARCH FOR RESULTS



Hirzel Canning Company – Cabbage 2018

OVERVIEW: This trial compares untreated organic cabbage yield with a crop receiving a SoilBiotics organic program at planting and 6 additional foliar applications during the growing season through harvest.

LOCATION: Luckey, OH Lot 1081173

VARIETY: CABTON

PLANTING DATE: June 20, 2018

HARVEST DATE: November 6, 2018

POPULATION: 12,000

PRE-PLANT: Mold Board plow in fall, Joker Offset Disc in Spring

DISEASE & INSECT CONTROL: Javelin, Serenade and Pyganic were applied throughout growing season

TREATMENTS: **At Planting:** 1 quart Organic Blend 5-0-0 and eFISHnt 5-1-2, ½ pint SB4400 and SB 0-0-1
Emergence and Growth
 ½ gallon Organic Blend 5-0-0 and eFISHnt 5-1-2, ½ pint SB 0-0-1 applied 6X between 7/10/18 and 9/13/118 (approximately every 2 weeks).

Treatment	Total # of Heads	Total Pounds of Heads	Average weight (lbs) per Head	Pounds/Acre	Tons/Acre	% +/-
SoilBiotics	111	275	2.48	36300	18.15	+15%
Untreated	110	233	2.12	30756	15.38	

SUMMARY: The SoilBiotics treated cabbage harvested from three random 110 square foot sample plots (35, 37 and 39 heads) totaled 42 pounds greater weight than the untreated plots (38, 35 and 37 heads). SoilBiotics treated cabbage heads averaged 0.36 pounds heavier than the untreated heads. The SoilBiotics program yielded 15% more than the untreated plots, adding 5,544 more pounds per acre.

Hirzel Canning Company – Tomatoes 2018

OVERVIEW: This trial compares untreated organic tomato plant yield with those receiving a SoilBiotics organic program at planting and 6 additional foliar applications during the growing season through harvest.

LOCATION: Luckey, OH Field 5

VARIETY: 1301

PLANTING DATE: June 20, 2018

HARVEST DATE: October 9, 2018

POPULATION: 12,000

PRE-PLANT: Mold Board plow in fall, Joker Offset Disc in Spring

DISEASE & INSECT CONTROL: Javelin and Serenade were applied throughout growing season

TREATMENTS: **At Planting:** 1 quart Organic Blend 5-0-0 and eFISHnt 5-1-2, ½ pint SB4400 and SB 0-0-1
Emergence and Growth
1 gallon Organic Blend 5-0-0 and eFISHnt 5-1-2, ½ pint SB 0-0-1 applied 6X between 7/10/18 and 9/13/118 (approximately every 2 weeks).

Treatment	Total Sample Weight (lbs)	Pounds/Acre	Tons/Acre	% +/-
SoilBiotics	196.7	25964.4	12.98	+5%
Untreated	187.8	24789.6	12.39	

SUMMARY: The SoilBiotics treated tomatoes harvested from three random 110 square foot sample plots (62.7, 65.9 and 68.1 pounds) had greater weight than the untreated plots (67.2, 61.5 and 59.1 pounds). The SoilBiotics tomato program yielded 5% greater total sample weight than untreated program. The SoilBiotics program yield per acre was 1,174 pounds greater than the untreated tomato crop.