

BIO-AG

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K-Zyme Experiment Giumarra Vineyards

Sizing sprays were put on Ranch 31, Flames May 11, 2017 and May 17, 2017 at 1 gallon per acre with 64 oz of Hi K and 1 lbs of Fish Protein.

Experiment layout

Rows 215 to 159 blocks 3 and 4 sprayed with K-Zyme, Ocean Organics, Fish Protein

Rows 1 to 158 control.

Design:

Randomly picked 2 locations from each block K-Zyme and Control. 10 vines were selected and 2 bunches in each block, there were a total of 4 bunches from K-Zyme and control.

Process:

I took 1 shoulder from each bunch took off 10 berries. These were measured in mm, weighed, and tested for sugar.

Raw Data

Test: K-Zyme, Ocean Organics Hi-K, and Fish Protein

Average mm: 20.3

Total weight 40 berries: 213.284 grams

Average weight per berry: 5.3 grams

Sugar 19%

Raw Data

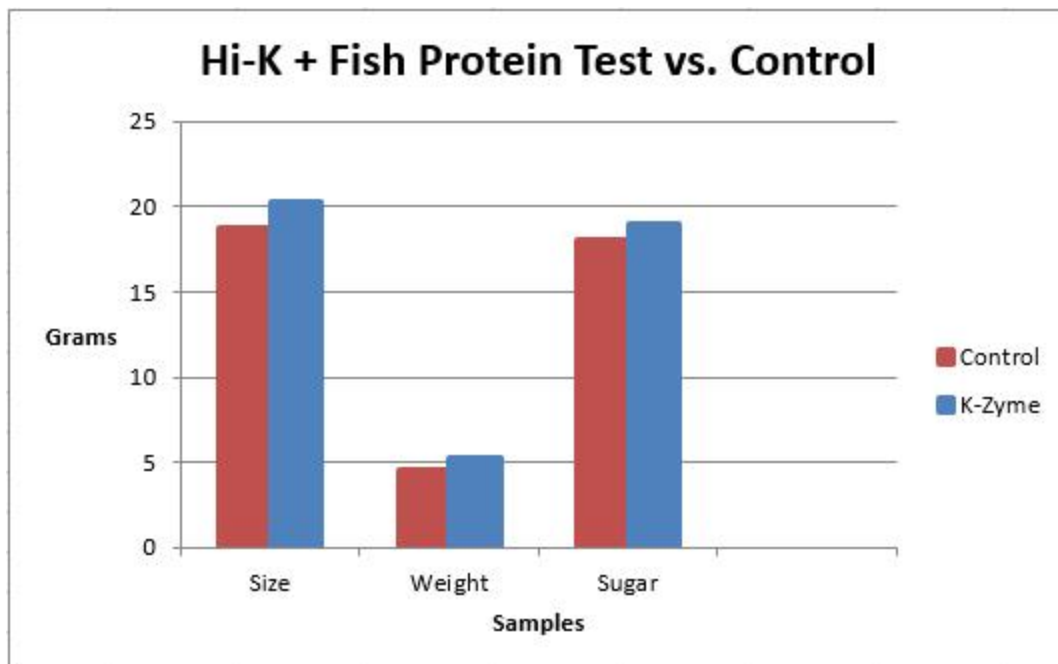
Control

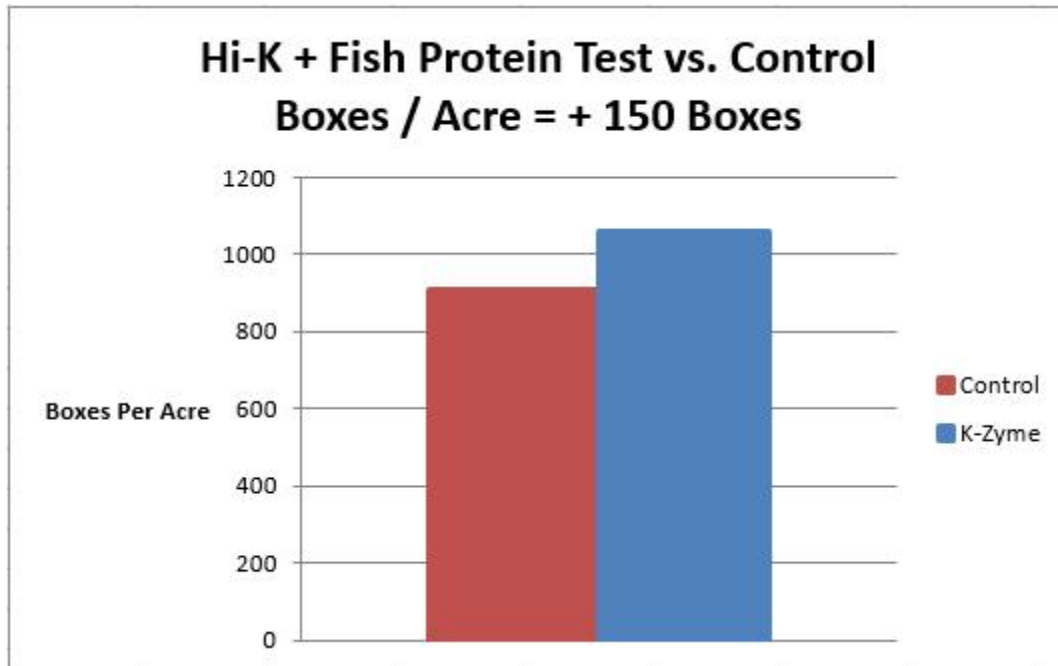
Average mm: 18.75

Total weight 40 berries 183.539 grams

Average weight per berry 4.58 grams

Sugar 18%





Conclusion:

K-Zyme had larger fruit in millimeters 20.3 mm to the control of 18.75 mm.

In berry weight the average for the K-Zyme was 5.3 grams and the Control was 4.8 grams.

Results:

Total boxes for 38 acres:

K-Zyme, Ocean Organics, and Fish Protein: 40,280 boxes or 1060 boxes per acre.

Control 34,580 boxes or 910 boxes per acre.

Conclusion:

K-Zyme, Ocean Organics, and Fish Protein yielded 150 more boxes per acre than the control.