

July 2, 2015

Case Study on Peach Trees Treated with Unleash™



Peach trees at Bizaron Farm, Israel

I. Introduction

Peach trees are a major fruit crop in Israel, and grow well in low rainfall areas. In 2014, Mr. Dror Almagor of Bizaron Farm, Israel, agreed to conduct a trial of **Unleash™** on the kibbutz' peach trees.



Peach Tree Harvest at Bizaron Farm, Israel

II. Test Process

- Mr. Almagor and his workers activated **Unleash™** according to directions.
- A primary consideration for this grower is peach size, as larger peaches have a much larger profit margin than smaller peaches. Because of this, large-sized peaches (size 75 and size 80) were counted separately from smaller peaches.
- Mr. Almagor's representatives and Mr. Nissim Barnea and Mr. Shimon Ben Haim of Unleash™ Israel were present for the harvest and measurements.
- **Unleash™ Application:**

Applications	Date
○ #1	February 15, 2014
○ #2	March 16, 2014
- First Harvest: July 1, 2014
- Final Harvest: July 5, 2014



III. Results

- **First Harvest:**

- a. Results for **Unleash™** treated trees:

Weight of large fruits (75, 80)	35.8 Kg
Weight of smaller fruits	32.2 Kg
Total Weight	68 Kg

- b. Results for **Untreated Control** trees:

Weight of large fruits (75, 80)	16.9 Kg
Weight of smaller fruits	19.3 Kg
Total Weight	36.2 Kg

- **Final Harvest:**

- a. Results for **Unleash™** treated trees

Weight of large fruits (75, 80)	73.1 Kg
Weight of smaller fruits	33.9 Kg
Total Weight	107 Kg

- b. Results for **Control** trees

Weight of large fruits (75, 80)	55.2 Kg
Weight of smaller fruits	49.9 Kg
Total Weight	105.1 Kg



IV. Conclusions

- The first harvest was conducted on July 1, 2014. Mature fruit from the Unleash™-treated and untreated trees were weighed and measured.
 - a. Unleash™-treated trees produced 88% more total peaches than untreated trees (68 Kg total peaches for Unleash and 36.2 Kg total peaches for untreated).
 - b. Unleash™-treated trees produced 112% more large peaches than untreated trees (35.8 Kg large peaches for Unleash and 16.9 Kg large peaches for untreated).
- The final harvest was conducted on July 5, 2014. Remaining peaches were harvested from all the trees.
 - a. The final harvest showed no significant yield difference between Unleash™-treated and untreated trees (107 Kg total peaches for Unleash™ and 105.1 Kg total peaches for untreated).
 - b. Unleash™-treated trees produced 32% more large peaches than untreated trees (73.1 Kg large peaches for Unleash and 55.2 Kg large peaches for untreated).
- The farmer noted the peaches harvested from Unleash™-treated trees had a significant improvement in flavor than peaches from untreated trees.
- **Overall, Unleash™-treated trees produced 24% more peaches than untreated trees.**
- **Of primary importance for this grower, the Unleash™-treated trees produced 51% more large peaches overall than untreated trees.** Because of this, the farm is continuing to use Unleash™ for his peach orchard.