

## REPORT ON THE BEHAVIOR OF A PEACH TREE FARM UNDER THE INFLUENCE OF **TERRABELLA**<sup>®</sup>

### I. Introduction

In 2014, Mr. Dror Almagor of Bizaron Farm, Israel, agreed to conduct a trial of **TerraBella**<sup>®</sup> on the kibbutz' peach trees.

### II. TestProcess

Treated Area:

TerraBella<sup>®</sup>:

Applications	Date
#1	February 15, 2014
#2	March 16, 2013

First Harvest: July 1, 2014

Final Harvest: July 5, 2014

#### *Notes*

- Mr. Almagor and his workers prepared the solution of **TerraBella**<sup>®</sup>, according to directions.
- One major consideration for peaches is the peach size, with larger peaches able to obtain a higher value than smaller peaches. Large-sized peaches (size 75 and size 80) were counted separately from smaller peaches.
- Present in the harvest and measurements were Mr. Almagor's representatives and Mr. Nissim Barnea and Mr. Shimon Ben Haim of TerraBella Israel.

Fig. 1 Peach trees at Bizaron Farm



## I. Results Report

### a. First Harvest

Results for **TerraBella**<sup>®</sup> treated plants

Weight of large fruits (75, 80)	35.8 Kg
Weight of smaller fruits	32.2 Kg
Overall Weight	<b>68 Kg</b>

**Total Weight for treated trees: 68 Kg**

Results for **Control** plants

Weight of large fruits (75, 80)	16.9 Kg
Weight of smaller fruits	19.3 Kg
Overall Weight	<b>36.2 Kg</b>

**Total Weight for untreated trees: 36.2 Kg**

Fig. 2: Peach tree harvest



b. **FINAL HARVEST**

Results for **TerraBella**<sup>®</sup> treated trees

Weight of large fruits (75, 80)	73.1 Kg
Weight of smaller fruits	33.9 Kg
Overall Weight	<b>107 Kg</b>

**Total Weight for TerraBella**<sup>®</sup> treated trees: **107 Kg**

Results for **Control** trees

Weight of large fruits (75, 80)	55.2 Kg
Weight of smaller fruits	49.9 Kg
Overall Weight	<b>105.1 Kg</b>

**Total Weight for untreated trees: 105.1 Kg**

II. **Conclusions**

- a. A first harvest and measurement was conducted on July 1, 2014. Maturing fruit from the treated trees, as well as from the control, were weighed and recorded. The first harvest measured a yield increase of 88% for treated trees (68 Kg treated weight and 36.2 Kg untreated weight).

- b. The final harvest and measurement were conducted on July 5, 2014. The measurement was performed on peaches harvested from all the trees. The final harvest showed no significant yield difference between treated and untreated trees (107 Kg treated weight and 105.1 Kg untreated weight).
- c. The first harvest produced 112% more large peaches in treated trees than from control trees (35.8 Kg treated weight and 16.9 Kg untreated weight).
- d. The final harvest produced 32% more large peaches from treated trees than from control trees (73.1 Kg treated weight and 55.2 Kg untreated weight).
- e. The farmer noted the peaches harvested from treated trees showed a significant improvement in taste over peaches from untreated trees.

**TerraBella**<sup>®</sup> treated plants not only produced more peaches, but also produced more large-sized peaches, an especially valuable feature for the farmer, as they can sell large peaches for more than small peaches. Because of this, the farm is continuing to use TerraBella for the 2015 growing season.