

REPORT ON A **Red Beet (Beta vulgaris)**, PLANTATION UNDER THE INFLUENCE OF **TERRABELLA®**

May 30, 2014

I. Introduction

Red beet and **sugar beet** are but two of the different varieties in which *Beta vulgaris* is grown. For the farmer is but another root crop and for the consumer is the addition of another taste and color on the table. For the species, the white, sugar beet is of importance as it is the main source of sugar in many places around the world and especially in Eastern Europe.

Of secondary importance as a crop, the red beet is always present in all supermarkets and food stores around the world representing an alternative to the more popular vegetables at the table.

In this report, the influence of **TerraBella®** in the yields of a commercial farm of red beet is presented.

II. Details of the Trial

- a.** The trial was performed on the Moshav Nir Chen on the Lachish area in Southern Israel.
- b.** The area of the trial was one dunam (1000mts²) and another dunam was grown as control.
- c.** Seeding was done on January 2014 and the sprouts started appearing at the beginning of February.
- d.** The first application of **TerraBella®** was done on February, 26. As usual, care was taken to use the product in the recommended proportions and in chlorine less water.
- e.** The second application was done on March 18.

It should be noted that, because of the relative short length of the crop, only two applications were performed.

The fertilization was made by means of compost only.

The collection of the roots started on April 7, 2014

Following is the report of the findings



Picture 1. Comparison between the collected beetroot, treated and control

At the time of the collection, from inside the **TerraBella®** treated dunam as well as from the control plots, two areas of 2 mts long, were randomly selected from each. The measurements as well as the weighing of the produce were done immediately on site.

As there is no single collection but a continuous picking of the roots, not all the 4 recollections were done on the same day. In all, five recollections, a week apart were performed.

All the beets of the same plot were pooled and weighed.

III. Results

Date	TerraBella®	Control	Difference %
April 7	4.40Kg	4.10Kg	7.3
April 7	4.70	4.07	15.4
April 15	9.25	7.06	31
April 21	10.15	9.40	7.9
April 21	8.00	7.00	14.2
Total	36.51	31.63	15.4%

IV. Conclusion

In all the three dates of collection there was a clear increase in weight of the **red beets**, grown under the influence of **TerraBella®** and the control plants.

As can be seen, the overall weight increase is above the 15% but from picture1, it can be noted that roots look and are healthier and in better shape and appearance.