

October 17, 2014

REPORT ON A VINEYARD OF CABERNET FRANC GRAPES (*Vitis vinifera*) UNDER THE INFLUENCE OF **TERRABELLA®**

I. Introduction

Cabernet Franc is one of the most popular varieties of dark grapes, used mostly in the production of cabernet and merlot wines, blending with **Cabernet Sauvignon** grapes. In a grapevine (vineyard) of some 30 hectares, 0,8 hectares were set for a trial to determine the effectiveness of **TerraBella®** in the grape production.



II. Test Process

Treated Area: 8 dunam
(8,000m²)

Amount of TerraBella®: 1 liters

Applications
one

Date
March, 2014

Amount
1 liter

Harvest: August 28 and September 4, 2014

Notes:

- 5 lanes of vines of **Cabernet Franc grapes** were treated with **TerraBella®** in one single application, at the end of the winter / beginning of spring, out of a field of some 30 hectares. Another contiguous 5 lanes were defined as control.

- All five lanes were harvested and its clusters counted and weighed. Same was done for the 5 control lanes.
- The farmer commented about a decaying production of the plot in the last years but could not define if it was because of an illness or what that illness might be.

III. Results

CONTROL

LANE NUMBER	NUMBER OF CLUSTERS	OVERALL WEIGHT
202	182	14340
203	150	14550
204	142	14650
201	148	13700
205	128	12400
TOTAL	750	69,640Kg

TREATED WITH TERRABELLA®

LANE NUMBER	NUMBER OF CLUSTERS	OVERALL WEIGHT (gr)
209	222	16860
207	167	16200
208	130	15650
210	135	15850
212	184	18900
TOTAL	838	83,460Kg

RESULT ANALYSIS

Difference in the number of clusters (percentage)	11.70%	
Difference in harvested weight (percentage)	19.80%	
Mean Weight per Cluster	CONTROL	gram 92.8
Mean Weight per Cluster	TERRABELLA®	gram 99.5



IV. Conclusion

- The results obtained in this application and reflected above show that the use of **TerraBella®** significantly increased yield in wine grapes (Cabernet Franc variety) both in the number of clusters (inflorescences) as well as the weight of them.
- In grapes, yields are the result of number of inflorescences produced by the plant and the number of grapes in each cluster that develop into maturity (the size of each grape is neglected here). In this report, it can be seen that **TerraBella®** did influence both by increasing the number **of clusters by more than 11%** and **the total weight by 19.8%**.
- The fact that the percentage of the overall weight of grapes is larger than the percentage of increase in the number of inflorescences indicates that there are more grapes in each cluster that develop into maturity, meaning more weight and more full grapes as a result of the **TerraBella®** treatment.
- Once more, we see that **TerraBella®** not only hastens development but it does it allowing the plant to express its outmost genetic potential, increasing the production and the productivity in a very natural way.