

## **REPORT n.3 /2016**

**The action of REGORTEK by radical way on the attitude to the increase of fruit set and production of the watermelon.**

### **Premise**

The purpose of this report is to highlight the capacity of REGORTEK fertilizer in solving the problems related to the poor seeding on a watermelon crop.

Following a specific request from the farmer who complained of serious problems in the setting, the Opengreen Technical Agronomic Service decided to intervene with targeted treatments to evaluate the effectiveness of REGORTEK's stimulating activity.

### **Description of the intervention**

The period between the end of May and the middle of June was characterized by strong changes in temperature and disrupted weather conditions with sudden drop in temperature observed at night; this has negatively influenced the percentage of flowers attached.

The project was started up from 15 June 2016 at the DINO LAMANNA Company, whose business center is located in the countryside of Castellaneta (TA), an area for the cultivation of watermelon.

The transplant was started from April 10th under a small tunnel; the variety in object of the "baby" type was NINJA F1 (CRX10150), characterized by a weight of 2-2.5 Kg. The LAMANNA company is in fact specialized in this type of production that exclusively targets the german market with particula packaging.

The collections and analysis of the results took place on 12 July.

Two applications were performed in fertigation:

| <b>Date treatment</b> | <b>Dose REGORTEK</b> |
|-----------------------|----------------------|
| 15/06/2016            | 2,5 kg / hectare     |
| 25/06/2016            | 2,5 kg / hectare     |

### **Risultati osservati**

The following photos show the field before the intervention, from which we can clearly appreciate the scarcity of flowers and fruit set. Moreover, the few fruits attached were subject to abortion and easily detached from the mold:



Fig. A - Note the poor setting and the thinness of the tile.



Fig. B - Overview of the field (few flowers present)





Fig. C - Detail of the aborted fruit

Below, we report the findings made at a distance of 7 days from the first intervention:



Fig. D - Surprising elongation of the jets, flowering and fruit set.





Fig. E - Detail of the fruits attached and in the process of enlargement.

A second treatment was carried out at a distance of 10 days from the first and the results in terms of production recorded at 12 July are shown below:



Fig. F - We counted up to 12 fruits per plant.





Fig. G - YELD RESULTED 1350 quintals per hectare.

Finally, we report the particular packaging with which it was marketed at the German GD.

