

Stoller Solution to increase fruit filling while maintaining fruit firmness*

Abundantia® provides nitrogen in aminic form and potassium, fundamental elements for a **correct fruit set and greater filling capacity**, which **guarantees a production that combines firmness and °Brix**, essential factors for a quality harvest.

Stoller Formulation Technology designed for **Abundantia®** provides the macro and micronutrients necessary to support the continued growth of the root system during the fruiting and ripening phases.

The organic **potassium** in the formulation is essential for a correct filling and firmness of the fruit, essential for its commercial viability.



- ✓ **Greater presence of sugars** in the fruit (°Brix).
- ✓ Reduction of possible softening effects on fruits, which **improves consistency and firmness**.
- ✓ **Better fruit filling** for a quality harvest.
- ✓ **Uniform coloration** of the fruits.
- ✓ **High percentage of marketable production**.

Stoller's Formulation Technology

Nutrients	K	N
Content	16%	4%
Physiological properties	Transport of sugars to the fruit. Accumulation of HC in the fruit. Osmoregulation. Protein and starch synthesis.	Formation of cytokinins. Protein formation.

Density: 1.30 ± 0.02

pH: 6.5 - 8.5

Conductivity: 90 - 110



*Thanks to Stoller Formulation Technology, we provide the appropriate nutrition that naturally intervenes in the physiological processes of the plants.

Evidences

• Strawberry

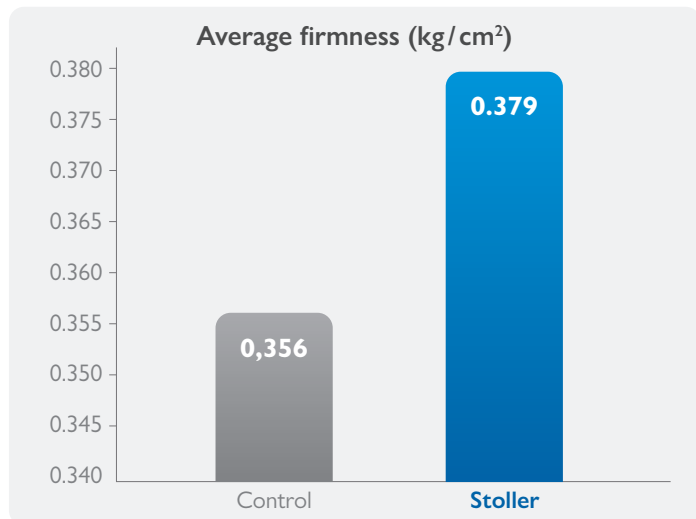


Fig. 1

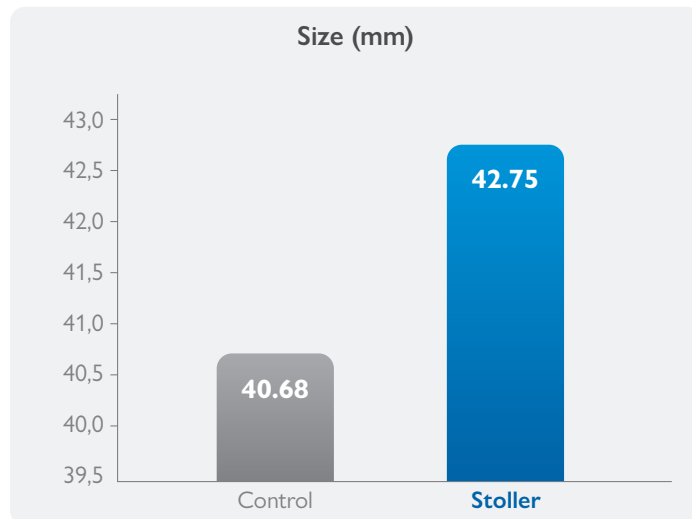


Fig. 2

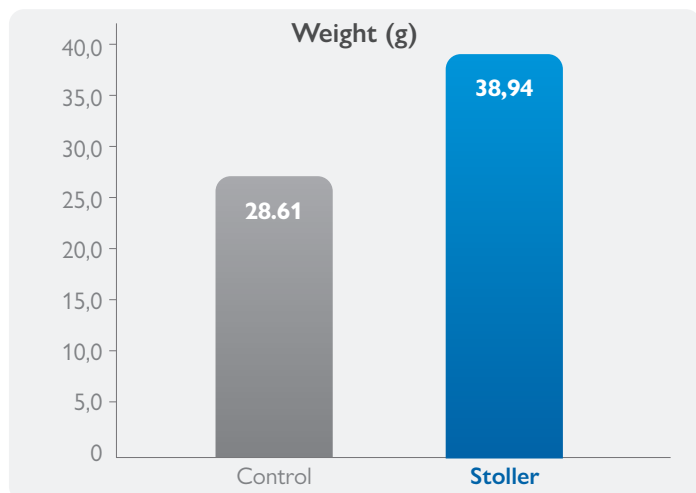


Fig. 3

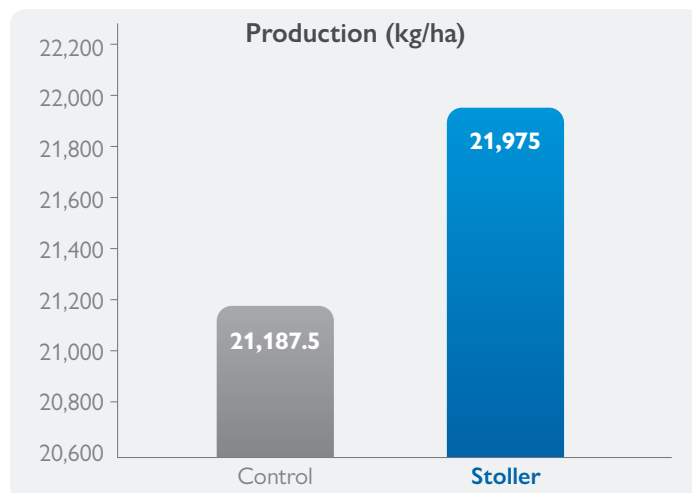


Fig. 4

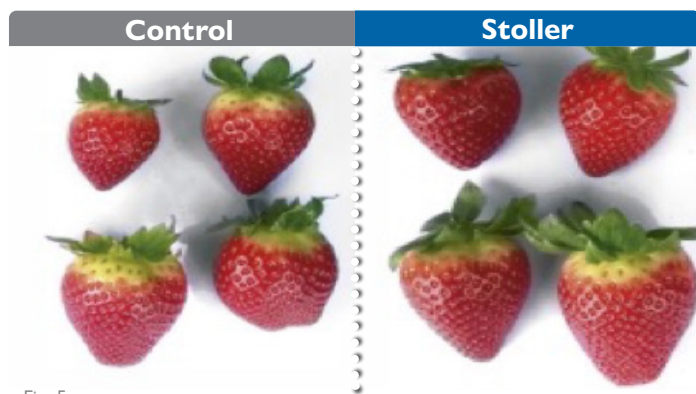


Fig. 5

As can be seen in the graphs, the results obtained in the plots treated with **Abundantia[®]** show a greater firmness (Fig. 1) with a percentage difference of 6.51 %, greater size (Fig. 2) and weight (Fig. 3) of the fruit, which results in greater production (Fig. 4).

In the images (Fig. 5) we can see an example of how the fruits obtained have a larger size compared to the control plot.

Stoller Solutions: Stoller Solutions' value lies in our experience and understanding of plant hormone balance: how it relates to crop growth stages and the impact of the natural hormone activity on plant development and yield.

Our **patented technology** is effective to guarantee a optimal plant growth, getting every hectare, no matter what conditions or challenges we face during the season.

Evidences

- Pepper



Fig 1. Differences in fruit quality parameters (size and color). We can see that the **crop treated with Abundantia[®] and SugarMover[®]** (right) shows a larger size and a more homogeneous color compared to the Control (left).

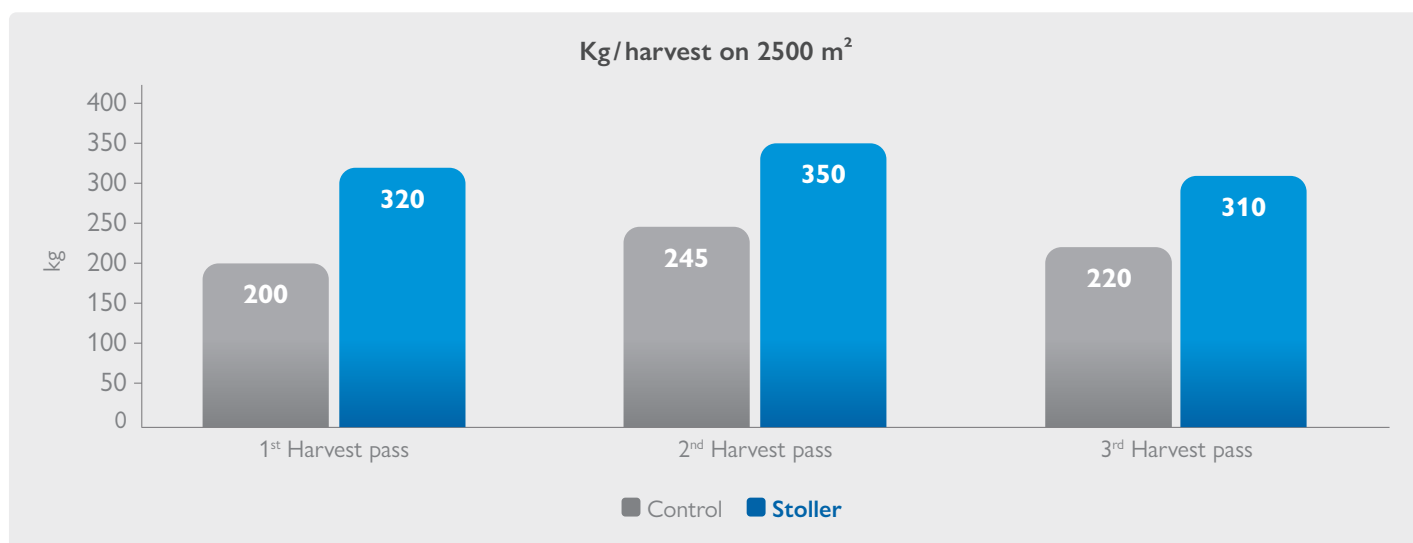


Fig. 2. Weight obtained in the different crops on 2500 m². We observe that in every harvest they were obtained a higher number of kg in the one treated with **Abundantia[®]**.

The difference of total production after the seven passes of harvests is of 1551.91 kg, which represents an increase of 29.79%.

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