Set

Stoller Solution for improving the structural quality of flowers and fruits*

The role of calcium and boron

Stoller Formulation Technology designed for **Set** provides macro and micronutrients to promote proper cell division and cell wall formation, which **ensures the quality of flowers and fruits**.

In addition, they prevent the degradation of auxin, an essential hormone for flower fertility. **A deficiency of these nutrients would cause its breakdown and, therefore, a reduced fruit production.**

- ✔ **Fruit growth, with no calcium deficiencies and no incidences of cracking.**
- ✔ **Improved elasticity, resistance, and thickness of fruit cell walls.**
- ✔ **Healthy young tissue development in fast growing organs (flowers and fruits).**

Caracteristics	Set
Scientific tests	Proven in scientific trials and field tests.
High quality formulation	**Stoller Formulation Technology** provides active calcium to help plants improve absorption, translocation, and assimilation capacity, especially intimes of low evapotranspiration.
Cost-Benefit ratio	High return on investment by improving productivity and profitability.

Stoller Formulation Technology		
Nutrient	Ca	B
Content	12%	1%
Physiological properties	Essential for the cell wall. Fertility of the pollen tube. Secondary messenger in hormonal signals. Auxin movement.	Prevents auxin degradation. Elasticity of the cell wall. Plasma membrane integrity. Fertility of the pollen tube. Cell division.

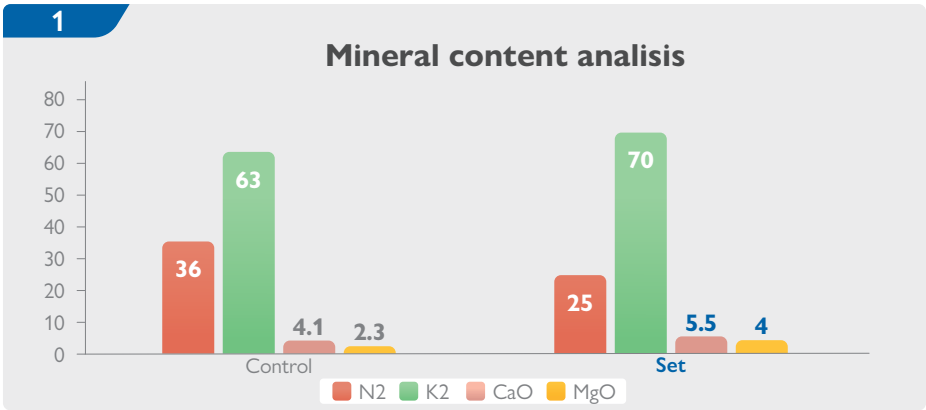
Density (kg/L): 1.38 ± 0.02
pH: 4.0 - 6.0
Conductivity (ms): 50 - 60

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

Set

Evidences:

- Apple



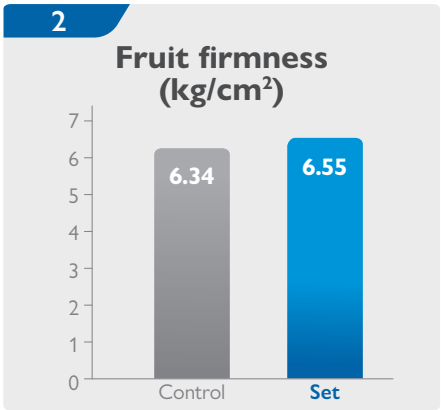
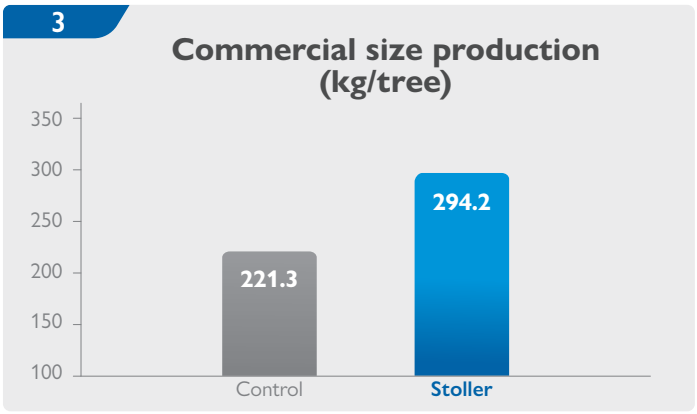
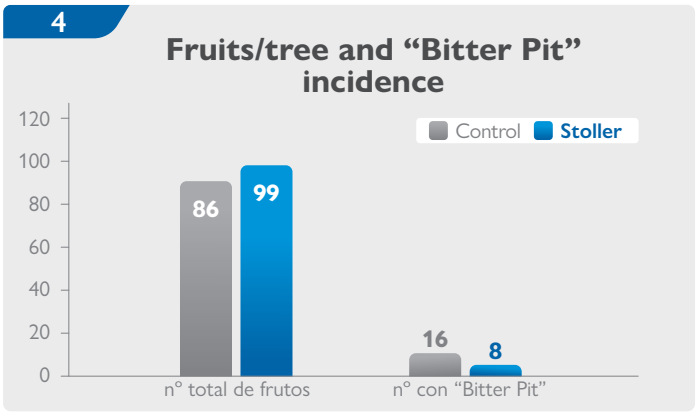


Fig. 1. **The plot treated with Set** showed **fruits with higher calcium content** than those of the Control. The ratio (K+Mg/Ca) presented an adequate value at harvest time: 13.75 (>30).

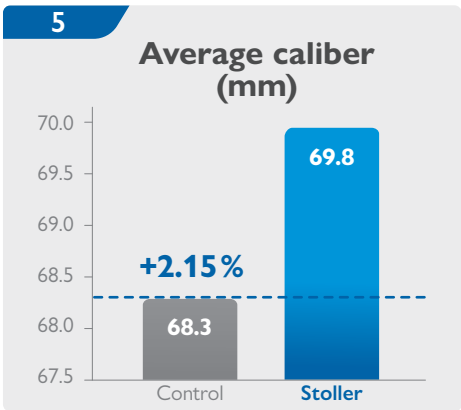
Fig. 2. The result is a **fruit with good firmness and optimum organoleptic qualities,** which will ensure good conservation during storage, avoiding physiopaties such as "Bitter Pit".

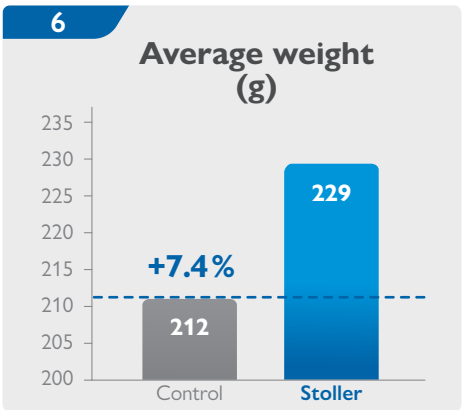


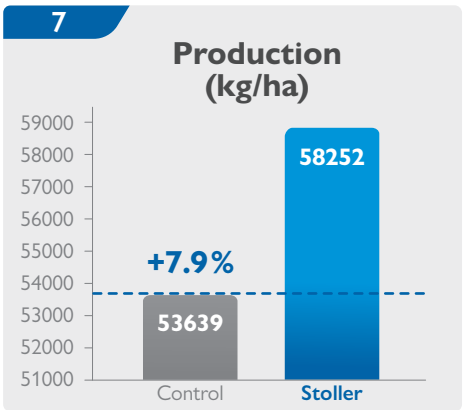


The trees treated with the **Stoller Solution**, has an **increase of 32.9%, in weight of fruits with commercial sizes** (Fig. 3), they also had a higher number of fruits per tree with a lower incidence of bitter pit than the Control (Fig. 4).

- Pear







In the graphs we can see how the **Stoller Solution** produces fruits with a larger average size (Fig. 5) and a higher weight (Fig. 6) compared to the Control. This, together with a higher number of fruit set, results in a **higher final production, increasing 4613 kg/ha (7.9%) compared to the Control** (Fig. 7).