



Results Sheet

Evaluating the effect of Manvert products to decrease cracking in cherries (*Prunus avium*).

Manvert Calcium

Liquid calcium organic complex that acts as a corrector of calcium deficiencies, improving the quality and skin hardness of fruit.

Manvert Boron

Boron deficiency corrector, ensuring sufficient boron levels in order to

Manvert Silikon

Liquid bio-stimulant made from silicon (SiO_2), improving water management by the crop and reducing transpiration.

1. Objective

The aim of this trial was to evaluate the effectiveness of three Manvert products in decreasing the number of cracked cherries of the Royal Dawn variety.

2. Materials & Methods

Description

The trial was conducted on one of the cherry farms of ZZ2 in the Belfast district (Ferroland). The combination of the three products were applied 4 times during the growing season.

Methodology

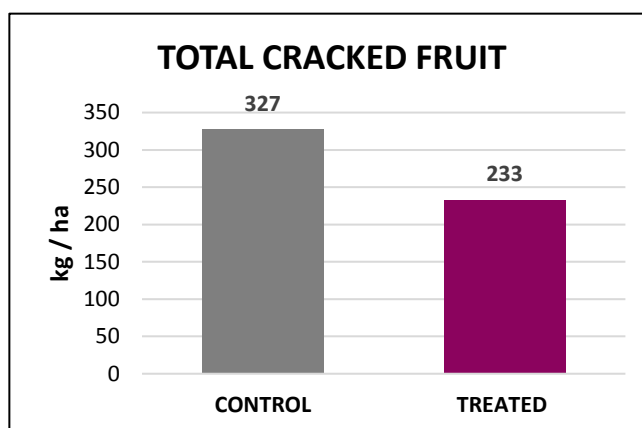
A 1 ha block was used as the trial area. 0.4 ha of this block served as the control whilst 0.6 ha of this block was treated with the Manvert protocol.

continuous advantage

Treatments

Treatment	Product	Dosage / ha	# applications
1	Calcium	2 L	4
	Boron	0.5 L	4
	Silikon	2 L	4
	Control		

3. Results



4. Conclusion

The decrease in cracking observed in the rows treated with Manvert Silikon can be ascribed to the nano silicon particles forming a protective layer within the cuticle of the fruit, making the cuticle thicker which prevents micro cracks from turning into larger cracks on fruit in the presence of moisture.

Another possible reason for the decreased cracking may also be that the appearance of micro-cracks themselves are prevented due to the strengthening of the fruit cuticle.