

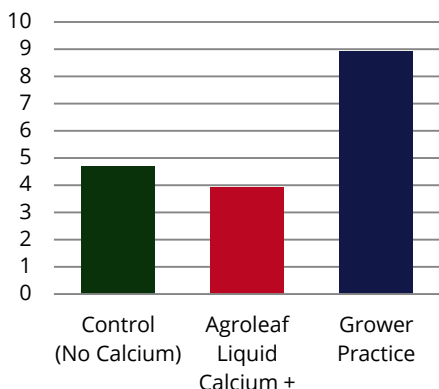
Trial Information

Agroleaf[®] Liquid Calcium+

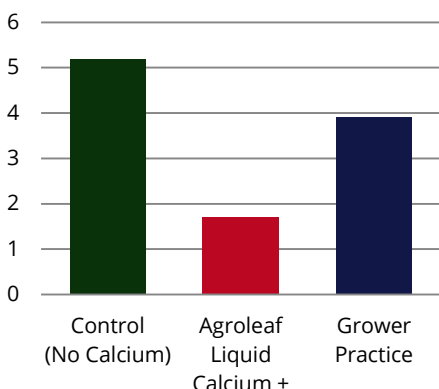
APPLE



% bitter pit, before harvest



% bitter pit, at harvest



Agroleaf Liquid Calcium+, 8-0-0+13.8%CaO is a liquid foliar fertilizer containing Calcium and Nitrogen. The product is fortified with unique technologies to boost Calcium absorption and to prevent Calcium deficiencies in fruit and vegetable crops.

Calcium plays a key role within the plant, it is essential for root development, shelf life and the building of the cell walls within the plant and fruit. Agroleaf Liquid Calcium+ performs better than conventional fertilizers which, especially in summer, may burn the leaves.

Note: Avoid mixing calcium and copper based products in the same tank!

Trial set-up

Objective: Evaluation of the efficiency of different calcium formulations in order to reduce the incidence of "bitter-pit" in 'Golden' apple trees

When: Summer applications, 2015

Trial station: Spain

Crop: Apple, Golden Delicious variety

Assessments: % of bitter pit in different stages



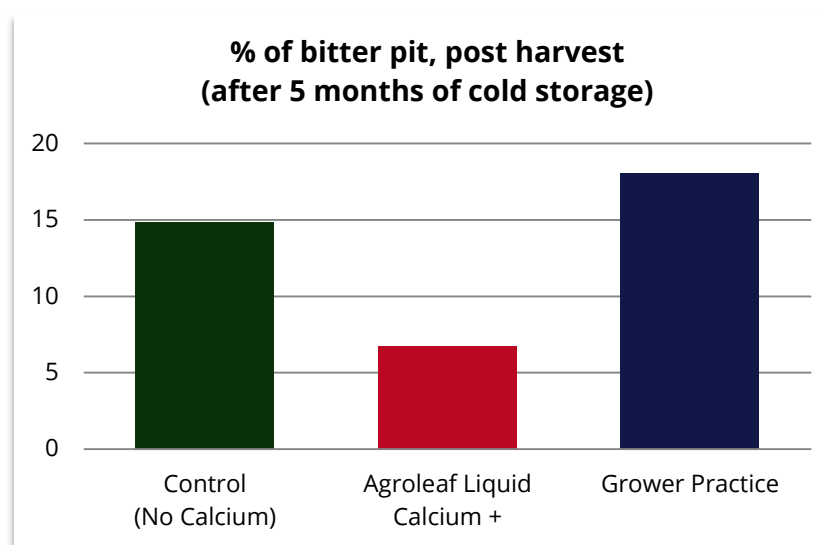
Conclusions

- By using Agroleaf Liquid Calcium+ the incidence of bitter pit on the fruit was significantly reduced both before and after harvest
- Agroleaf Liquid Calcium+ performed better than the other calcium product and control
- The incidence of bitter pit was reduced by up to 63% with Agroleaf Liquid Calcium+

Treatments

Tested products	Formula	Dosage, ltr/ha		Number of applications	Total quantity of the tested product (ltr/ha)	Timing
		Conc. %	Litre /ha			
Control (No Calcium)	-	-	-	-	-	-
Agroleaf Liquid Calcium+	8-0-0+13.8%CaO	0.65	6.5	10	65	From petal fall (F ₂ + 4) until a week before harvest. Frequency of applications = every 15 days
Grower Practice	ProCal Forte ¹ (Calcium chloride solution) 18%CaO	0.5	5	10	50	

⁽¹⁾ ProCal Forte = Standard solution of calcium chloride. Calcium oxide (CaO) soluble in water: 18% w/w and pH = 8.5.



Why does Agroleaf Liquid Calcium+ performs better ?

- Agroleaf Liquid Calcium+ is fortified with three amino-acids of which it is proven that these enhance Ca uptake.
- Glycine and glutamic acid are fundamental metabolites in the formation of vegetable tissue and chlorophyll synthesis, while L-Arginine increases synthesis of flower and fruit related hormones.
- The plant sugars provide an immediately available plant food source, while the non-ionic surfactant – with excellent spreading and wetting properties – further improves the speed of Ca uptake and coverage on the leaf surface.

Attention

Recommendations in this trial info sheet are based on local soil and/or water analyses. Please contact your local ICL Specialty Fertilizers adviser for your personalized fertilizer recommendation. Consult www.icl-sf.com for your contact in the region.

Distributed by:

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