

Field Research

Valencia Oranges

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Flo Cel® Products Increase Leaf Zinc and Manganese Concentration.

Recently, growers and agronomists questioned whether foliar applications of flowable micronutrients move into the leaf's vascular system. Stanworth Crop Consultants, Inc, in conjunction with RSA Microtech, performed a replicated experiment utilizing leaf analysis to verify micronutrient movement.

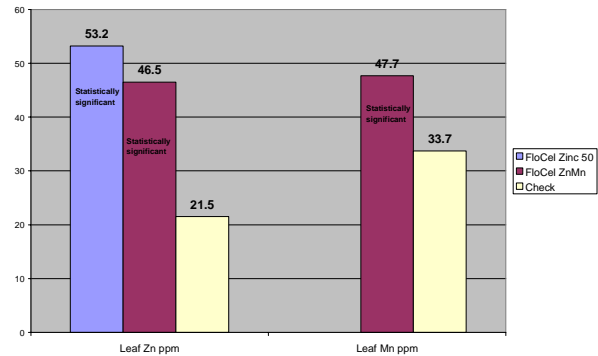
The trial was conducted on Valencia oranges in the Palo Verde Valley near Blythe, California. Plot size was 8 acres. Treatments were arranged as a randomized block and replicated four times. Fertilizers were applied in at least 50 gallons of water per acre rate. The treatments were:

1. Flo-Cel Zinc @ 16 ounces/acre
2. Flo-Cel Mn @ 12 ounces/acre
3. Flo-Cel Zin-Man @ 12 ounces/acre
4. Untreated check.

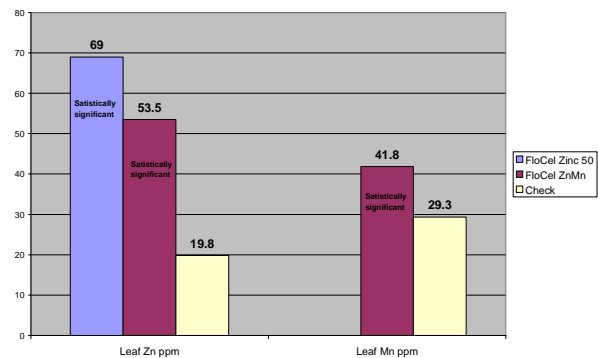
Leaf samples were collected 7 days and again at 21 days after application. Leaves were washed in lab grade detergent, rinsed in deionized water and analyzed for N, P, K, Mg, Ca, Zn, Mn, Fe, Cu.

The results show a statistically significant increase in leaf zinc concentration with Flo Cel Zinc and Flo Cel Zin-Man. Manganese leaf levels were also statistically significant increased with Flo Cel Zin-Man. Note: the zinc levels in both Flo Cel formulations increased the leaf zinc content over time.

Efficacy of FloCel Products in Valencia Oranges 7 Days After Application



Efficacy of FloCel Products in Valencia Oranges 21 Days After Application



When properly formulated, flowable formulations of zinc and manganese are very efficacious. Levels of these nutrients stay elevated for more than 21 days after application, providing a continuous supply of the elements.

Other Products to Consider

Liquids

Flo Cel Copper	30% Cu
Flo Cel Magnesium	20.8% Mg
Flo Cel Manganese	27% Mn
Flo Cel Zin-Man	14.1% Mn, 19.8% Zn
Flo Cel Zinc	50% Zn

Flo Cel® is registered trademark of RSA MicroTech, LLC.

