

Increased Citrus Yields at Reduced Nitrogen Rates

Studies indicate that POLYON® Controlled-Release Fertilizer results in greater yield for citrus growers.

- POLYON® fertilizer had consistent pounds solids and greater pounds solids increase per season than conventional blocks
- POLYON® fertilizer had a greater increase in the percentage of boxes during the trial period

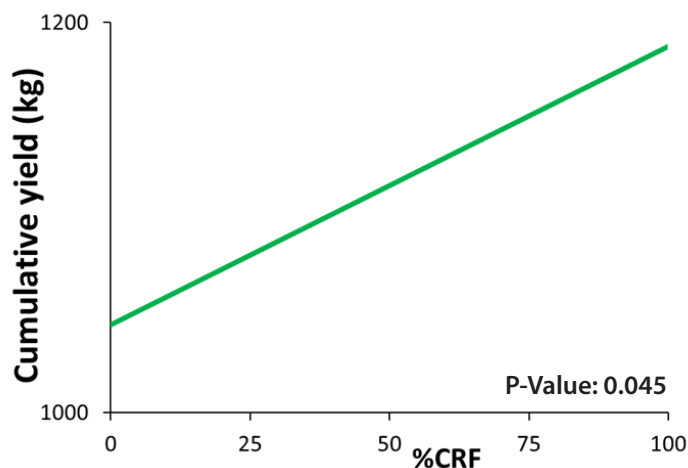
Controlled-Release Fertilizer (CRF) in blend. Observations included:

- Increasing the amount of POLYON® fertilizer in the blend
 - Increased N, P, K, B, and Mn nutrients in leaf analysis
 - Increased canopy density
 - Positive correlation between yield and POLYON® fertilizer
 - Greater yield with greater percentage of POLYON® fertilizer in the blend, even with 25% less N applied in the 100% POLYON® than the 0% control.
 - Improved growth resulted in improved uptake of micronutrients.

A University of Florida study evaluated POLYON® CRF at 168 kg N/ha (150 lb/ac) compared to conventional granular application at 202 kg N/ha (180 lb/ac)

- Over three years, The POLYON® fertilizer treatment with soil applied micronutrients yielded 618 boxes/ha (250 boxes/ac) more than the control across two sites
- The POLYON® fertilizer treatments had approximately 7% greater cumulative five-year yield than the conventional granular treatments across locations
- The constant supply of soil-applied nutrients through CRF improved yield even while being continuously applied at greater than 15% reduced rates
 - P, K, Ca, and Mg applied was also reduced in the POLYON® CRF applications
- The amount of P, K, Ca, and Mg applied was also reduced in the POLYON® CRF applications
- The continuous supply of soil-applied nutrients through POLYON® CRF improved yield and fruit quality

POLYON®
Controlled-Release Fertilizer



Typical fruit from young HLB-infected (3 years) LB8-9 SugarBelle™ trees treated with controlled-release fertilizer containing extra manganese and boron.



Typical fruit from young HLB-infected (3 years) LB8-9 SugarBelle™ trees with conventional fertilizer regime.