

FIELD FACTS

PROACQUA® NUTRITIONAL PROGRAM INCREASES YIELD IN ZUCCHINI

KEY FINDINGS:

PROACQUA NUTRITIONAL PROGRAM

INCREASES MARKETABLE YIELD
BY AS MUCH AS

+1.5 TON/AC

VS. THE GSP ALONE

OBJECTIVE:

Assess the benefit of ProAcqua Restore (0-42-26 Mg, S, Cu) and ProAcqua Finish (8-12-40) + micronutrient package as part of a nutritional program in zucchini production by implementing a trial with a third-party research cooperator in Florida.

OVERVIEW:

Uniquely formulated with high-quality nutrients and proprietary adjuvant blends, ProAcqua delivers the solubility and compatibility to improve crop performance and promote yield.



TRIAL DETAILS:

Location(s): Immokalee, FL

Trial Design: Small Plot, Randomized Complete Block Design w/Five Replicates

Crop: 'Respect' Zucchini

Soil Profile: pH = 6.2 CEC = 6.6 meq/100g OM = n/a Soil Texture = Sandy Loam

Stats: General Linear Model,
Least Squares Means Student's t (P≤0.10)



TREATMENTS:

Treatment	Week 1	Week 2	Week 3	Week 4
1		GROWER STANDARD PRACTICE (GSP)		
2		SPRING (10 lb/ac) DRIP IRRIGATION +RESTORE (8 oz/ac) FOLIAR		ELEVATE (4 oz/ac) FOLIAR
3		SPRING (10 lb/ac) DRIP IRRIGATION		ELEVATE (4 oz/ac) FOLIAR +FINISH (2 lb/ac) FOLIAR

RESULTS:

When applied with Spring and Elevate as part of a ProAcqua Program that complements the Grower Standard Practice (GSP), Restore and Finish significantly increased yield by 24 and 49%, respectively (Fig 1).

RESULT: 0.8 to 1.5 ton/ac

Marketable zucchini yield

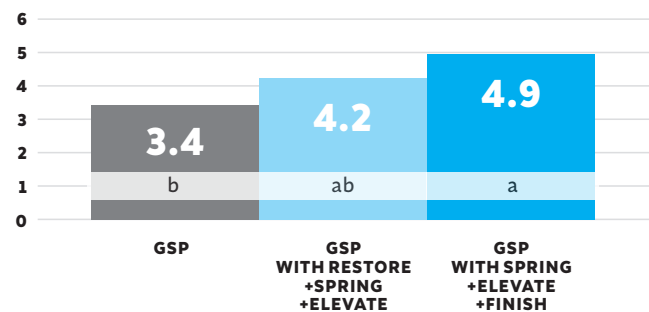


FIGURE 1. Marketable zucchini yield (ton/ac)
P<0.01, SD± 0.8 ton/ac

SUMMARY:

The results of this study demonstrates the potential yield benefit of applying ProAcqua water-soluble nutrients in summer squash production.

ProAcqua Restore (0-42-26 Mg, S, Cu) is derived from phosphorous acid, a source of phosphite ions, that helps plants produce the natural components that mitigate stress. **Apply Restore as part of a balanced fertility program under conditions of stress.**

ProAcqua Finish (8-12-40) + micronutrient package is designed specifically to meet potassium requirements during the last stages of fruit development. **Under high yielding conditions, apply ProAcqua Finish to supply potassium when the plant needs it the most.**



For more information visit
proacquanutrients.com or compasscrops.com.