

STOCKOSORB®

Water management for
improved tomato yield



Consultant supervised trials in Hillsborough County, Florida

TRIAL DATE: 2008

CROP: Tomatoes

SOIL: Sandy Loam

Benefits realized using STOCKOSORB®

- Average increased yield of 12.9%
- Reduced irrigation frequency
- Shortened maturation time for harvesting
- Increased return on investment

STOCKOSORB®
water + soil management

Advanced Hydrogel Technology Trial

Crops: Tomatoes **Trial Detail:** Consultant supervised trials in Hillsborough County, Florida USA **Trial date:** 2008

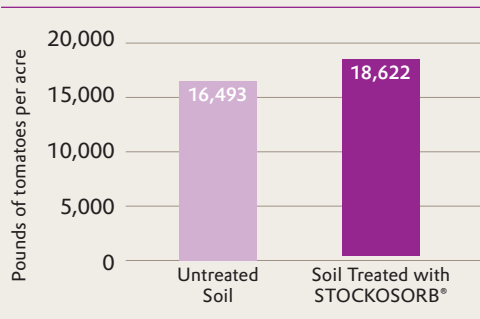
Research Methodology

Five repetitions of randomized complete blocks. Each plot was 30 linear feet on a row width that created an area equivalent to 0.00344 acres.

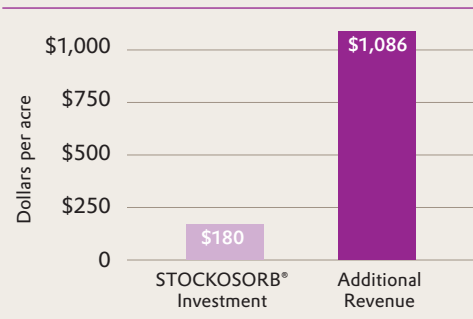
Application Rates

STOCKOSORB® 660 was applied at a rate of 20 pounds per acre of treated soil, incorporated into the top 6 inches of soil.

Tomato yield using STOCKOSORB®



Return on investment using STOCKOSORB®



Tomato Crop Yields (measured from 30' bed samples)

	Medium	Large	Extra Large	Total Pounds	Pounds / Acre	Chlorophyll Reading
Untreated	8.3 lbs.	13.5 lbs.	88.2 lbs.	110.0 lbs.	16,492.5 lbs.	43.7
Treated with STOCKOSORB®	9.4 lbs.	17.5 lbs.	97.3 lbs.	124.2 lbs.	18,622.5 lbs.	46.6
Increase %	13.3%	29.6%	10.3%	12.9%	12.9%	6.6%

Conclusion

At the time of this study, STOCKOSORB® retailed for an estimated price of \$9 per lb. At a broadcast rate of 20 lbs. per acre a grower would pay \$180 per acre. At a wholesale price of only \$0.51 per lb. (avg. tomato wholesale price in 2008), this shows a return of **\$1,086.30** (2130 lbs. x \$0.51 per lb.), minus STOCKOSORB® cost (\$180) resulting in a **net profit per acre of \$906.30**.

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