



CABBAGE FIELD TRIAL IN FLORIDA - RESULTS SUMMARY

OBJECTIVE

This field trial assessed the effects of **TrueSolum**[®] when added to grower’s standard treatment, along with Taegro[®] 2 (a bacillus subtilis microbial product), on the quality and yield of cabbage (brassica family), when compared to the grower’s standard crop protection program alone.

TRIAL SPECIFICS

Location: Hastings, FL

Season: Spring 2023

Treatments:

- Control – Grower’s Standard
- Treated – Grower’s Standard + 0.5 gal/acre **TrueSolum** + 4 oz/acre of Taegro

Product applications:

- 1st: at planting
- 2nd: 30 days post planting

OVERVIEW

Cabbage transplants were set at a local farm in Hastings, FL in the Spring of 2023. These treatments were applied during the transplanting process. A second treatment was applied approximately 30 days after planting, along with the side dressing of Nitrogen. The Taegro product was used as a *bs* microbial source along with **TrueSolum** as a metabolite derived from microalgae to boost microbial signaling activities in the soil. The first cutting occurred on April 24, 10 days earlier than planned due to warm weather and rain. A second, and possibly, a third cutting were planned but did not occur due to a hailstorm destroying the remaining crop.

RESULTS

Three separate 50 cabbage head count rows were evaluated. Cabbage heads were harvested based on being of a saleable size. If the head was not large enough it was left to continue to grow until the second cutting.

	Control	Treated
1 st Count	36 heads	38 heads
2 nd Count	38 heads	39 heads
3 rd Count	37 heads	41 heads

These counts equate to approximately 50 to 60 additional 50-pound boxes per acre for the Treated acreage versus the Control for the first cutting. The resulting ROI is between 1093% and 1332%. These ROIs may have been reduced if a second cutting was possible as more heads would be available to cut in the Control rows than the Treated rows resulting in lower yield improvement overall.

CONCLUSIONS

TrueSolum, along with the microbial source, Taegro, positively **impacted the size of cabbage heads for the first cutting, resulting in earlier harvest of more uniform heads. The cost of the additional inputs provides a cost-effective opportunity for cabbage growers to improve** first cut yield. Further research where a second cut is possible would better represent the total impact of the Treatment. This protocol, and the results, are indicators for the use of TrueSolum + a microbial source with other brassicas.

*NASS USDA Florida State Agriculture Overview 2022-cabbage price of \$25.30/CWT



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