

Agroblen[®] Total

Fertilizer Trial: Eggplant, variety "Santana" Armada, Michigan

What is Agroblen[®]?

Agroblen[®] Total controlled release fertilizers are designed to deliver precision crop nutrition that can be matched to your specific crop, stage of growth, climate and overall nutritional program to maximize yields. Featuring balanced formulas with micronutrients, the complete Agroblen[®] Total portfolio is powered by ICL Specialty Fertilizers Agrocote[®] coating technology, with every bag containing at least 70% of coated materials. The proven performance of Agroblen[®] Total provides growers with unmatched nutritional options to meet the needs of their specific crops and growing conditions.

Trial Set-Up

Objective: Evaluate the performance of Agroblen[®] Total compared to grower standard practice (GSP) in eggplant, potentially preventing the leaching of nutrients and to obtain greater yields and ultimately improving gross profit per acre.

Crop: Eggplant "Santana"

What: Agroblen[®] Total 18-5-25 was banded under the plastic at bed shaping at the rate of 436 lb/acre; 1lb/10 feet of row.

GSP: 19-19-19 was broadcast at the rate of 629 lb/acre

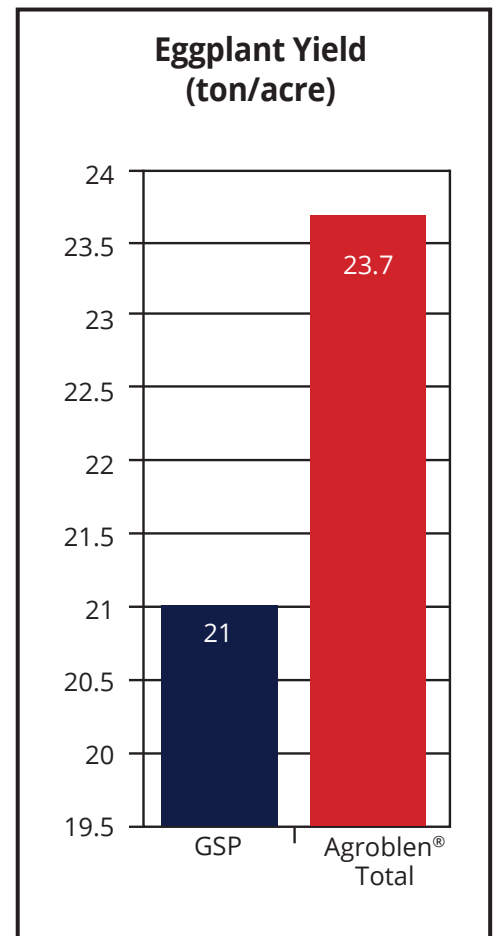
When: Fertilizer applied May 25, 2017

Where: Northern Farm Market, Armada, MI

Harvest: August- October 2017

Soil Type: Sandy clay loam

Measurements: Marketable Eggplant Yield (ton/acre)



Conclusion:

The Agroblen[®] Total treatment increased marketable yield by 12.8 % compared to the GSP treatment.

The Agroblen[®] total treatment increased gross profit by \$2,970.00 (per acre) compared to the GSP.

Why Agroblen® Total is the Best Solution For Eggplant Fertility:

- Nutrients supplied with Agroblen® Total are released consistently across the crop cycle. This results in better crop uptake efficiency, fruit quality and higher yield of fresh eggplants.
- Conventional uncoated fertilizers are inefficient often at a level of 25-50%, due to leaching or volatilization. Agroblen® Total meters out all applied nutrients evenly and predictably across crop critical stages, maintaining optimum nitrogen, phosphorus and potassium levels in soil solution, even following heavy rains.
- The number of fertilization applications required is decreased.
- The Agroblen® Total blend provides less nitrogen and potassium loss due to leaching compared to the conventional fertilizer sources.
- Agroblen® Total increased the yield by 12.8% using 31% less fertilizer (reducing total N 44 lb/acre, total P 97 lb/acre and total K 10 lb/acre compared to GSP).
- Proven performance year after year.

Value Equation	GSP	Agroblen® Total
Additional Cost of Program (\$/acre)	-	\$156.00
Total Yield ton/acre	21	23.7
Price / lb	\$0.55*	\$0.55*
Income (per acre)	\$23,100.00	\$26,070.00
Gross Income Increase (per acre)	-	\$2,970.00
Agroblen® Total ROI	-	18.0

*Price based on USDA market report on 9/12/17
www.marketnews.usda.gov

Attention:

Recommendations in this trial info sheet are based on local soil and/or water analyses. Please contact your local ICL Specialty Fertilizers adviser for your personalized fertilizer recommendation.