

RESEARCH FOR RESULTS



Michigan Sugar Company Sugar Beets 2020

OVERVIEW: This trial compares Sugar Beets treated with a SoilBiotics product program vs. a control program, applied in-furrow, at side dress nitrogen application and then another application 20-days from planting. The purpose was to look for any differences against the control on increased sugar content and the overall yield of Sugar Beets.

LOCATION: Gilford, MI

VARIETY: C-G855. Previous Crop = Corn

PLANTING DATE: 5/7/2020

SOIL TYPE: Clay

HARVEST DATE: 10/2/2020

PRE-PLANT: Conventional Tillage

TREATMENTS: #1 – Untreated Control per acre – 2 x 2 UAN 28%, 10-34-0, ATS. In-furrow Quadris[®], Mustang[®] MAXX.
 #2 - In-Furrow per acre: Quadris[®], Mustang[®] MAXX with SB5500, SB 0-0-1, Growth Boost and Zinc. Side dress on May 22nd: Growth Boost, SB 0-0-1 and SB Super Sweet. Application on May 27th: Growth Boost and SB Super Sweet.

Treatment	Recoverable White Sugar per Acre	Recoverable White Sugar per Ton	+/- lbs Per Ton vs Control	Tons per Acre	% Clear Juicy Purity	6/2/2020 Beets/100	6/16/2020 Beets/100
1	7977	268		29.7	95.6	247	249.4
2	6618	272	+4.0	24.3	96.9	251.5	241.2

SUMMARY: The SoilBiotics treatment saw an increase of 4 pounds per ton of Recoverable White Sugar per ton vs. the untreated control, despite yielding 5.4 tons less per acre. The SoilBiotics treatment also saw 1.3% increase in Clear Juicy Purity, as well as having a higher average of more live Beet plants per 100 at the June 2nd count.