

# 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, a folia nitrogen application and then another foliar 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 – 2x2 8 gallons UAN 28%, 6 gallons 10-34-0, 4 gallons ATS. In-furrow 10 ounces Quadris®, 4 ounces Mustang® MAXX.
  - #2 - In-Furrow per acre: 10 ounces Quadris®, 4 ounces Mustang® MAXX with 1 pint **SB5500**, 1 pint **SB 0-0-1**, 1 quart **Growth Boost** and 1 quart Zinc. Foliar applied on May 22<sup>nd</sup>: 1 gallon **Growth Boost**, 1 pint **SB 0-0-1** and 1 quart **SB Super Sweet**. Foliar applied on May 27<sup>th</sup>: ½ gallon **Growth Boost** and 1 quart **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 2<sup>nd</sup> count.