

RESEARCH FOR RESULTS



Michigan Sugar Company Sugar Beets 2021

OVERVIEW: Introduction: This trial compares the standard application of in-furrow fertility in sugar beets with the in-furrow addition of SoilBiotics **Growth Boost** and **SB4400** and three foliar applications of SoilBiotics **Growth Supplement 30** and **SB Super Sweet** added to fungicide treatments.

LOCATION: Gilford, MI; Fairgrove, MI

TREATMENTS: **Treatment 1:** Control (Grey), **Treatment 2:** Add SoilBiotics **Growth Boost** and **SB4400** (Tan), **Treatment 3:** Add SoilBiotics **Growth Supplement 30** and **SB Super Sweet** (Yellow)

No.	Treatment	Rate/A	Date of Applic	3-Aug Vigor 1-10	27-May Vigor 1-10	RWSA	RWST	T/A	Sugar	Purity
3	UAN 28%	8 gal	20-Apr	9.3	7.3	12023	260	46.2	17.1	96.7
	10-34-0	6 gal	20-Apr							
	Thio-Sul	4 gal	20-Apr							
	Quadris	10 fl oz	20-Apr							
	Mustang Maxx	4 fl oz	20-Apr							
	SB Super Sweet	1 qt	1-Jul							
	Growth Supplement	8 oz	1-Jul							
	SB Super Sweet	1 qt	2-Aug							
	Growth Supplement	8 oz	2-Aug							
	SB Super Sweet	1 qt	31-Aug							
Growth Supplement	8 oz	31-Aug								
1	UAN 28%	8 gal	20-Apr	9.1	7.4	11254	256	43.9	17.1	95.9
	10-34-0	6 gal	20-Apr							
	Thio-Sul	4 gal	20-Apr							
	Quadris	10 fl oz	20-Apr							
	Mustang Maxx	4 fl oz	20-Apr							
2	UAN 28%	8 gal	20-Apr	8.9	7.4	11002	254	43.3	16.8	96.3
	10-34-0	6 gal	20-Apr							
	Thio-Sul	4 gal	20-Apr							
	Growth Boost	1 qt	20-Apr							
	Quadris	10 fl oz	20-Apr							
	Mustang Maxx	4 fl oz	20-Apr							
	SB-4400	1 pt	20-Apr							
Average				9.1	7.4	11426.0	256.6	44.5	17.0	96.3
LSD 5%				0.5	0.8	1001.8	11.5	2.6	0.7	0.9
CV %				3.3	6.6	5.1	2.6	3.4	2.2	0.6

SUMMARY: The foliar application of SoilBiotics **Growth Supplement 30** and **SB Super Sweet** with fungicide (Yellow) resulted in greater sugar beet yields and increased RWSA (Recoverable White Sugar per Acre) versus the in-furrow only SoilBiotics treatment and in-furrow control. There was no significant difference between the in-furrow SoilBiotics treatment (Tan) and control (Grey).