



2024 Variety Trial Results

**REACH/SUGARBEET ADVANCEMENT COMMITTEE LIST
2024 VOTING MEMBERSHIP**

23 Voting Members

Company	Name	Terms Remaining	Expire
Michigan Sugar Company	Dan Gowen (5th Member)	Permanent	
	Kevin Messing		
	Zack Young		
	Corey Guza		
Michigan Sugar Agriculturists (4 years)	Rob Stoutenburg	1	2027
	Kevin Messing	3	2025
	Brice Stine	4	2026
Michigan Sugar Company District Board Members (1 year)	Ryan Volmering	1	2024
	Brandon Bauer (Secretary)	1	2024
	Ben Chaffin (Treasurer)	1	2024
Michigan Sugar Company At Large Growers (3 years)	Troy Gingrich	2	2025
	Kyle Crumbaugh	1	2024
	Eric Gentner	3	2026
	Mark Sylvester (Chairman)	3	2026
Michigan State University, University of Guelph, and USDA (3 years)	Linda Hanson	3	2026
	Amanda Tracey	2	2025
	Jamie Willbur	2	2025
Sugar Beet Seed Company (2 years)	Dan Bjur	2	2025
Agri-Business Retail (2 years)	JJ Metz	2	2025
Agri-Business Manufacturing (2 years)	Brian Devine	1	2024
Michigan Sugar Company Board of Directors (1 year)	Ben Wilson/Dexter Auemhamer	1	2024
	Mike Houghtaling	1	2024
SBA Director	David Wishowski	Permanent	

Ex-Officio Members

Company	Name
Chairman of Board of Directors - MSC	James Roggenbuck
CEO of Michigan Sugar Company	Niel Juhnke

2024 Variety Trial Results

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MISSION STATEMENT:

The mission of the *Michigan Sugarbeet Research Education Advisory Council* is to be the central trusted source of agronomic information for the sugarbeet industry.

The council will provide direction for the Michigan-Ontario sugarbeet researchers and assemble and distribute research/agronomy information.

Cooperative educational efforts will be conducted with the goal of improving productivity and profitability for all stakeholders.



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Approval of Seed Varieties for the 2025 Crop

Fully Approved Varieties		
Unlimited Quantities		
BTS-1122	C-G229	
BTS-1183	C-G233	
BTS-123N	HIL-2332NT	
BTS-1276	HIL-2361	
C-G214NT	HIL-2425NT	
C-G227	SX-2296	

Limited Approval Varieties		
Quantities limited to 10% of acres		
BTS-1330		

Special Approval Varieties		
Variety	Specialty	Quantity
C-G206NT*	CR+, Nem, Root Disease	15%**
BTS-128N*	CR+, Nem, Root Disease	15%**
Hil-2471NT*	Nem, CLS Tolerance	15%**

* Approved to plant through 2026

** Amounts for 2025 Growing Season Only

Corporate Agricultural Office
122 Uptown Dr. Suite 300
Bay City, Michigan 48708
Telephone (989) 686-0161 - Fax (989) 671-3714



Approved Varieties for 2025

2023 & 2024 Data

Variety	Approval Status	\$/A*	Values are % of Check except for Root Aphid (% Infected)									
			RWST	RWSA	T/A	Emergence	Cercospora	Rhizoctonia	Root Aphid	Aphanomyces	Fusarium	Rhizomania
C-G229*	Fully Approved	\$1,483	101.9	100.9	98.8	97.1 F	69.2 G	106.2 F	4.3 F	94.3 G	84.6 G	102.4 G
BTS-1330	Limited Approval	\$1,472	101.6	100.6	99.0	92.7 F	78.9 G	100.9 F	2.0 G	95.2 G	86.6 G	102.9 G
C-G227	Fully Approved	\$1,422	98.3	104.2	105.9	99.1 G	84.8 F-	106.8 F	2.5 F	98.7 G	85.8 G	103.1 G
HIL-2332NT*	Fully Approved	\$1,414	101.0	98.0	97.0	104.9 G	122.8 P	93.4 G	1.1 G	105.7 F	118.8 F	101.8 G
SX-2296N*	Fully Approved	\$1,393	100.0	98.3	98.3	100.5 G	121.6 P	102.0 F	3.8 F	108.3 F	113.0 F	103.7 G
BTS-1183*	Fully Approved	\$1,368	97.1	102.8	106.0	97.5 F	86.3 F-	98.4 G	1.5 G	91.7 G	83.5 G	92.2 G
BTS-1276	Fully Approved	\$1,344	99.7	95.6	95.7	96.0 F	64.9 G	104.3 F	5.1 F	108.1 F	77.3 G	94.5 G
BTS-128N	Special Approval	\$1,342	95.7	104.4	109.0	108.4 G	82.2 G	97.1 G	0.3 G	84.4 G	78.2 G	93.7 G
BTS-1122	Fully Approved	\$1,337	96.0	103.4	107.9	105.9 G	88.7 F-	120.5 F-	0.5 G	115.7 F	74.5 G	76.8 G
C-G233	Fully Approved	\$1,331	96.2	102.8	106.9	101.1 G	84.8 F	109.9 F	1.2 G	110.3 F	61.3 G	88.0 G
C-G214NT	Fully Approved	\$1,330	97.2	99.8	102.5	100.4 G	85.8 F-	108.5 F	0.5 G	93.4 G	81.8 G	92.2 G
C-G206NT	Special Approval	\$1,325	95.4	104.5	109.4	104.0 G	74.5 G	87.6 G	0.5 G	85.0 G	85.1 G	78.7 G
BTS-123N	Fully Approved	\$1,311	96.6	100.3	103.9	99.4 G	72.0 G	106.4 F	0.7 G	93.0 G	86.7 G	93.9 G
HIL-2361	Fully Approved	\$1,271	98.8	92.2	93.2	88.6 F-	105.4 F-	96.8 G	1.2 G	131.6 P	121.7 F	124.2 F
HIL-2471NT	Special Approval	\$1,181	96.2	91.0	94.5	75.3 F-	85.0 F-	99.2 F	1.4 G	160.1 P	155.9 F	101.8 G
HIL-2425NT	Fully Approved	\$1,157	96.2	89.1	92.5	79.3 F-	86.1 F-	102.4 F	0.2 G	115.8 F	143.1 F	102.7 G

*\$/A: is calculated using the new Quality Payment System incorporating financial values from the Post Harvest Forecast.

Payment values are based on the MSC Post Harvest Forecast.

Trial data is adjusted for trial average T/A and RWST and company average T/A and RWST.

A lower value is better for Cercospora, Rhizoctonia, Root Aphid, Aphanomyces, Fusarium, and Rhizomania.

Results are combined across 2 years which includes 7 locations in 2023 and 8 locations in 2024.

*Check Variety



Rhizoctonia

Varieties for 2025 - Average of 2023 & 2024

Variety	% of Check				Comments
	Rhizoc	RWST	RWSA	Cerc	
C-G206NT	87.6	95.4	104.5	74.5	Specialty Approved Nematode Tolerant Variety. Below average RWST and above average RWSA. Good Root Disease traits. Good Cercospora tolerance.
HIL-2332NT	93.4	101.0	98.0	122.8	Fully Approved Nematode Tolerant Variety. Average RWST and RWSA. Good Rhizoctonia and Root Aphid tolerance. Susceptible to Cercospora.
HIL-2361	96.8	98.8	92.2	105.4	Fully Approved Variety. Slightly below average RWST and below average RWSA. Good Rhizoctonia and Root Aphid tolerance.
BTS-128N	97.1	95.7	104.4	82.2	Specialty Approved Nematode Tolerant Variety. Below average RWST and well above average RWSA. Good Root Disease traits. Good Cercospora tolerance.
BTS-1183	98.4	97.1	102.8	86.3	Fully Approved Variety. Below average RWST and above average RWSA. Good Root Disease traits.
HIL-2471NT	99.2	96.2	91.0	85.0	New Specialty Approved Nematode Tolerant Variety. Below average RWSA and RWST. Good Root Aphid tolerance.
BTS-1330	100.9	101.6	100.6	78.9	New Limited Approval Variety. Slightly above average RWST and RWSA. Good Cercospora tolerance.
SX-2296N	102.0	100.0	98.3	121.6	Fully Approved Nematode Tolerant Variety. Average RWST and RWSA. Susceptible to Cercospora.
HIL-2425NT	102.4	96.2	89.1	86.1	Fully Approved Nematode Tolerant Variety. Below average RWST and RWSA. Slight weakness to Cercospora. Good Root Aphid tolerance.
BTS-1276	104.3	99.7	95.6	64.9	Fully Approved Variety. Average RWST and below average RWSA. Good Cercospora tolerance.
C-G229	106.2	101.9	100.9	69.2	Fully Approved Variety. Average RWST and above average RWSA. Good Cercospora tolerance.
BTS-123N	106.4	96.6	100.3	72.0	Fully Approved Nematode Tolerant Variety. Below average RWST slightly above average RWSA. Good Root Aphid tolerance. Good Cercospora tolerance.
C-G227	106.8	98.3	104.2	84.8	Fully Approved Variety. Below average RWST and well above average RWSA. Slight weakness to Cercospora.
C-G214NT	108.5	97.2	99.8	85.8	Fully Approved Nematode Tolerant Variety. Below average RWST and average RWSA. Good Root Aphid tolerance. Slight weakness to Cercospora.
C-G233	109.9	96.2	102.8	84.8	Fully Approved Nematode Tolerant Variety. Below average RWST and well above average RWSA. Good Root Aphid tolerance.

Note: Lower values are better for Rhizoctonia and Cercospora. Higher values are better for RWST and RWSA. Rhizoctonia ratings are from Rhizoctonia Nurseries.



Cercospora

Varieties for 2025 - Average of 2023 & 2024

Variety	% of Check				Comments
	Cerc	RWST	RWSA	Rhizoc	
BTS-1276	64.9	99.7	95.6	104.3	Fully Approved Variety. Average RWST and below average RWSA. Good Cercospora tolerance.
C-G229	69.2	101.9	100.9	106.2	Fully Approved Variety. Average RWST and above average RWSA. Good Cercospora tolerance.
BTS-123N	72.0	96.6	100.3	106.4	Fully Approved Nematode Tolerant Variety. Below average RWST slightly above average RWSA. Good Root Aphid tolerance. Good Cercospora tolerance.
C-G206NT	74.5	95.4	104.5	87.6	Specialty Approved Nematode Tolerant Variety. Below average RWST and above average RWSA. Good Root Disease traits. Good Cercospora tolerance.
BTS-1330	78.9	101.6	100.6	100.9	New Limited Approval Variety. Slightly above average RWST and RWSA. Good Cercospora tolerance.
BTS-128N	82.2	95.7	104.4	97.1	Specialty Approved Nematode Tolerant Variety. Below average RWST and well above average RWSA. Good Root Disease traits. Good Cercospora tolerance.

Note: Lower values are better for Rhizoctonia and Cercospora. Higher values are better for RWST and RWSA.



High Quality

Varieties for 2025 - Average of 2023 & 2024

Variety	% of Check				Comments
	RWST	RWSA	Rhizoc	Cerc	
C-G229	101.9	100.9	106.2	69.2	Fully Approved Variety. Average RWST and above average RWSA. Good Cercospora tolerance.
BTS-1330	101.6	100.6	100.9	78.9	New Limited Approval Variety. Slightly above average RWST and RWSA. Good Cercospora tolerance.
HIL-2332NT	101.0	98.0	93.4	122.8	Fully Approved Nematode Tolerant Variety. Average RWST and RWSA. Good Rhizoctonia and Root Aphid tolerance. Susceptible to Cercospora.
SX-2296	100.0	98.3	102.0	121.6	Fully Approved Nematode Tolerant Variety. Average RWST and RWSA. Susceptible to Cercospora.
BTS-1276	99.7	95.6	104.3	64.9	Fully Approved Variety. Average RWST and below average RWSA. Good Cercospora tolerance.
Hil-2361	98.8	92.2	96.8	105.4	Fully Approved Variety. Slightly below average RWST and below average RWSA. Good Rhizoctonia and Root Aphid tolerance.

Note: Lower values are better for Rhizoctonia and Cercospora. Higher values are better for RWST and RWSA.



Sugar Beet Cyst Nematode

Varieties for 2025 - Average of 2023 & 2024

Variety	All Values are % of Check				Comments
	RWST	RWSA	Rhizoc	Cerc	
HIL-2332NT	101.0	98.0	93.4	122.8	Fully Approved Nematode Tolerant Variety. Average RWST and RWSA. Good Rhizoctonia and Root Aphid tolerance. Susceptible to Cercospora.
SX-2296N	100.0	98.3	102.0	121.6	Fully Approved Nematode Tolerant Variety. Average RWST and RWSA. Susceptible to Cercospora.
C-G214NT	97.2	99.8	108.5	85.8	Fully Approved Nematode Tolerant Variety. Below average RWST and average RWSA. Good Root Aphid tolerance. Slight weakness to Cercospora.
BTS-123N	96.6	100.3	106.4	72.0	Fully Approved Nematode Tolerant Variety. Below average RWST slightly above average RWSA. Good Root Aphid tolerance. Good Cercospora tolerance.
HIL-2425NT	96.2	89.1	102.4	86.1	Fully Approved Nematode Tolerant Variety. Below average RWST and RWSA. Slight weakness to Cercospora. Good Root Aphid tolerance.
HIL-2471NT	96.2	91.0	99.2	85.0	New Specialty Approved Nematode Tolerant Variety. Below average RWSA and RWST. Good Root Aphid tolerance.
BTS-128N	95.7	104.4	97.1	82.2	Specialty Approved Nematode Tolerant Variety. Below average RWST and well above average RWSA. Good Root Disease traits. Good Cercospora tolerance.
C-G206NT	95.4	104.5	87.6	74.5	Specialty Approved Nematode Tolerant Variety. Below average RWST and above average RWSA. Good Root Disease traits. Good Cercospora tolerance.

Note: Lower values are better for Rhizoctonia and Cercospora. Higher values are better for RWST and RWSA.



Official Variety Trial

Average of Eight Locations - 2024

Trial Quality: see trial pages
Plant/Harv: see trial pages
Plots: 2 Rows x 38 ft.
Row Spacing: 22 in.
Seeding Rate: see trial pages

Locations:
 Grekowicz, Gulick,
 Maurer, Mininger,
 Schlicker, SVREC,
 Sylvester, Trost

Cerc Control:
 see trial pages
Rhizoc Control:
 see trial pages

Variety	\$/A*	RWST		RWSA	Yield		Sugar		CJP		Emergence	
		lb/T	Rank		T/A	Rank	%	Rank	%	Rank	%	Rank
C-G229	\$1,516	292	1	10594	36.3	9	19.4	3	95.9	1	57.8	7
BTS-1330	\$1,488	291	2	10432	35.9	11	19.6	1	95.1	3	57.6	8
HIL-2332NT	\$1,410	287	3	10230	35.7	12	19.4	2	94.9	8	61.3	3
C-G227	\$1,403	281	6	10527	37.5	6	19.0	6	95.0	5	52.6	14
SX-2296N	\$1,401	285	4	10278	36.1	10	19.2	5	95.0	6	58.1	5
BTS-128N	\$1,330	272	14	10809	39.7	1	18.5	16	94.9	9	64.6	2
BTS-1122	\$1,322	274	11	10593	38.8	2	18.6	14	94.9	7	64.7	1
BTS-1183	\$1,315	276	9	10329	37.7	5	18.9	7	94.3	14	57.2	10
C-G214NT	\$1,307	277	8	10208	36.9	7	18.8	10	94.9	10	57.6	9
C-G233	\$1,284	274	12	10344	37.8	4	18.7	11	94.5	13	58.0	6
BTS-123N	\$1,279	276	10	10147	36.9	8	18.6	13	95.1	4	60.9	4
BTS-1276	\$1,277	282	5	9581	34.0	13	19.2	4	94.6	12	54.6	12
C-G206NT	\$1,273	272	15	10511	38.7	3	18.5	15	94.6	11	55.3	11
HIL-2361	\$1,200	279	7	9255	33.1	14	18.7	12	95.5	2	53.9	13
HIL-2471NT	\$1,107	272	13	9009	33.0	15	18.9	8	93.9	15	35.9	16
HIL-2425NT	\$1,056	270	16	8790	32.6	16	18.8	9	93.7	16	42.6	15
Average	\$1,309.3	278.6		10102.3	36.31		18.92		94.80		55.80	
LSD 5%	78.1	4.5		272.0	0.8		0.2		0.6		3.1	
CV %	6.0	1.6		2.7	2.3		1.3		0.6		5.7	

Bold: Results are not statistically different from top-ranking variety in each column.

***/A:** is calculated using the new Quality Payment System incorporating financial values from the Post Harvest Forecast.

Payment values are based on the MSC Post Harvest Forecast.

Trial data is adjusted for trial average T/A and RWST and company average T/A and RWST.

Comments: The trials in 2024 were planted over the course of more than a month, from April 9 to May 20. Nine OVT's were planted, but one was not included in the above average (Gerstenberger). Overall, emergence was good. Root Yield was slightly above average and sugar content was average.



Plant to Stand

Average of Four Locations - 2024

Trial Quality: see trial pages

Plant/Harv: see trial pages

Plots: 6 Rows x 38 ft.

Row Spacing: 22 in.

Seeding Rate: 4.1 in.

Locations: Grekowicz,
Maurer, Mininger, Schlicker

Cerc Control:
see trial pages

Rhizoc Control:
see trial pages

Variety	\$/A*	RWST		RWSA	Yield		Sugar		CJP		Beets/100 ft	
		lb/T	Rank		T/A	Rank	%	Rank	%	Rank	Act.	Rank
C-G229	\$1,516	282	1	11056	38.9	9	18.9	1	95.4	7	193.5	6
C-G233	\$1,484	275	4	11324	41.1	4	18.3	6	95.7	3	184.8	10
SX-2296	\$1,423	278	2	10437	37.4	12	18.4	3	96.1	1	204.7	1
BTS-1183	\$1,410	270	8	11019	40.8	5	18.1	10	95.5	6	195.3	5
BTS-128N	\$1,404	268	9	11368	42.3	1	17.9	12	95.5	5	201.0	3
HIL-2332NT	\$1,404	276	3	10492	37.8	11	18.4	4	95.8	2	186.0	9
BTS-1276	\$1,352	272	5	10459	38.3	10	18.7	2	94.3	12	187.4	8
C-G227	\$1,331	271	7	10584	39.0	8	18.3	5	94.9	8	167.1	13
C-G206NT	\$1,277	261	12	11005	41.9	3	17.8	13	94.5	10	204.5	2
BTS-123N	\$1,256	262	11	10633	40.5	6	18.2	7	93.9	13	188.6	7
BTS-1122	\$1,254	259	14	10954	42.1	2	18.0	11	93.8	14	200.0	4
HIL-2361	\$1,227	271	6	9628	35.5	13	18.1	8	95.6	4	168.1	12
C-G214NT	\$1,180	260	13	10242	39.0	7	17.7	14	94.7	9	180.3	11
HIL-2425NT	\$1,134	265	10	9293	34.9	14	18.1	9	94.4	11	149.6	14
Average	\$1,332.3	269.2		10607	39.3		18.21		95.02		186.5	
LSD 5%	213.5	13.1		764.8	2.2		0.4		1.9		14.1	
CV%	11.2	3.4		5.0	3.9		1.4		1.4		5.3	

Bold: Results are not statistically different from top ranking variety in each column.

***/A:** is calculated using the new Quality Payment System incorporating financial values from the Post Harvest Forecast.

Payment values are based on the MSC Post Harvest Forecast.

Trial data is adjusted for trial average T/A and RWST and company average T/A and RWST.

Comments: The trials in 2024 were planted over the course of a month, from April 9 to May 8. Overall, emergence was good. Trials had above root yield and average sugar content.



Official Variety Trial

Defoliation Average of Eight Locations - 2024

Trial Quality: see trial pages

Plant/Harv: see trial pages

Plots: 2 Rows x 38 ft.

Row Spacing: 22 in.

Seeding Rate: see trial pages

Locations:

Gerstenberger, Grekowicz,

Gulick, Maurer,

Mininger, Schlicker,

SVREC, Trost

Cerc Control:

see trial pages

Rhizoc Control:

see trial pages

Variety	Average of 8 Locations	Gerstenberger	Grekowicz	Gulick	Maurer	Mininger	Schlicker	SVREC	Trost
BTS-1276	1.08	1.10	1.10	1.10	1.00	1.10	1.10	1.00	1.10
C-G214NT	1.09	1.00	1.00	1.10	1.00	1.10	1.10	1.40	1.00
HIL-2361	1.09	1.00	1.00	1.30	1.10	1.10	1.10	1.10	1.00
HIL-2332NT	1.20	1.10	1.10	1.30	1.10	1.10	1.30	1.10	1.50
BTS-1183	1.23	1.40	1.00	1.50	1.40	1.10	1.00	1.10	1.30
C-G206NT	1.26	1.50	1.10	1.40	1.00	1.40	1.00	1.30	1.40
BTS-128N	1.26	1.10	1.00	1.40	1.10	1.30	1.30	1.40	1.50
BTS-1330	1.26	1.10	1.00	1.60	1.30	1.80	1.10	1.10	1.10
SX-2296N	1.26	1.30	1.30	1.40	1.30	1.40	1.10	1.00	1.30
C-G229	1.31	1.00	1.10	1.90	1.30	1.40	1.40	1.30	1.10
C-G227	1.45	1.10	1.00	2.00	1.40	2.00	1.30	1.50	1.30
HIL-2471NT	1.46	1.30	1.60	1.60	1.40	1.80	1.50	1.40	1.10
C-G233	1.48	1.30	1.30	1.50	1.40	2.00	1.50	1.50	1.30
BTS-1122	1.50	1.10	1.10	2.10	1.30	1.90	1.80	1.30	1.40
BTS-123N	1.53	1.30	1.40	1.90	1.40	1.80	1.50	1.60	1.30
HIL-2425NT	1.63	1.50	1.40	2.00	1.50	1.80	1.60	1.60	1.60
Average	1.32	1.20	1.16	1.56	1.23	1.49	1.29	1.29	1.26
LSD 5%	0.18	0.42	0.34	0.67	0.40	0.54	0.51	0.46	0.51
CV %	13.60	35.77	29.84	43.16	32.75	36.38	39.98	35.82	41.20

Bold: Results are not statistically different from top-ranking variety in each column.

Comments: Ratings were taken on every OVT plot as they were defoliated, giving ratings of 1- Good, 2- Fair, 3- Poor.



OVT Emergence

Average of Two Years, 2023 & 2024

Locations: 2023 - Gerstenberger, Greckowicz, Mininger, SVREC, Trost
 2024 - Greckowicz, Gulick, Maurer, Mininger, SVREC, Sylvester, Trost

Plot Size: 2 Rows X 38 ft., 8 reps

Seeding Rate: 2023 - 1.9" & 4.5" seed spacing, 2024 - 1.9" seed spacing

Variety	% Emergence
BTS-128N	61.5
BTS-1122	60.0
HIL-2332NT	59.5
C-G206NT	59.0
C-G233	57.3
SX-2296N	57.0
C-G214NT	56.9
BTS-123N	56.3
C-G227	56.1
BTS-1183	55.3
C-G229	55.0
BTS-1276	54.4
BTS-1330	52.5
HIL-2361	50.2
HIL-2425NT	44.9
HIL-2471NT	42.7
Average	54.91
LSD 5%	2.6
CV %	4.9

Comments: Emergence data is from Official Variety Trials.

Bold: Results are not statistically different from top-ranking variety in each column.



2024 Variety Trials Emergence Summary

Early Counts

<i>Trial</i> <i>Plant Date</i> <i>Count Days</i>	Bushey	Chaffin 5/15/2024 29	Sylvester 5/2/2024 10	Volmering	Wadsworth 5/23/2024 17	Average
HIL-2332NT	No Early Counts Due to Cover Crop	227	43	No Early Counts Due to Cover Crop	200	157
SX-2296N		228	51		195	158
C-G227		211	89		196	165
BTS-1276		229	92		202	174
C-G233		232	128		209	190
BTS-1122		214	125		215	185
BTS-128N		219	82		220	174
BTS-123N		224	71		204	166
BTS-1183		229	98		214	180
C-G229		216	87		211	171
C-G206NT		222	93		210	175
C-G214NT		219	63		206	163
Average		-	223		85	-

Late Counts

<i>Trial</i> <i>Count Days</i>	Bushey 35	Chaffin 47	Sylvester 51	Volmering 63	Wadsworth 39	Average
HIL-2332NT	118	221	180	158	207	177
SX-2296N	150	212	183	168	192	181
C-G227	141	224	208	190	200	193
BTS-1276	154	222	172	179	199	185
C-G233	154	206	206	178	204	190
BTS-1122	158	215	205	183	214	195
BTS-128N	174	207	194	185	222	196
BTS-123N	152	213	203	176	203	189
BTS-1183	184	224	203	182	216	202
C-G229	169	193	181	175	207	185
C-G206NT	156	215	190	190	213	193
C-G214NT	145	207	124	168	207	170
Average	155	213	187	178	207	188

Notes: Bushey Trial; Cover crop and slight crusting prohibited early stand count.
Volmering Trial; planted into heavy wheat cover crop prohibiting early stand counts.



2024 Variety Trials Root Rot Summary

Variety	Bushey	Chaffin	Sylvester	Volmering	Wadsworth	Average
HIL-2332NT	1	16	19	3	5	9
SX-2296N	12	14	27	28	10	18
C-G227	15	2	21	108	25	34
BTS-1276	1	5	73	83	11	35
C-G233	6	4	48	43	13	23
BTS-1122	4	3	80	75	47	42
BTS-128N	1	1	14	15	1	6
BTS-123N	2	1	34	16	1	11
BTS-1183	0	4	13	9	10	7
C-G229	1	4	54	23	23	21
C-G206NT	4	0	15	14	21	11
C-G214NT	8	0	116	60	31	43
Average	5	5	43	40	17	22

Comments:

Root Aphid was present at all locations at various levels with no consistency of specific varieties.

Root Rot counts are based on 4 rows x 300' = 1200' of row

Root Rot counts do NOT represent any specific disease or Rot, but a total count of dead Sugarbeets.

East District Trials





Official Variety Trial

Maurer, Ruth - 2024

Trial Quality: Good

Planted: May 1

Harvested: September 23

Plots: 2 Rows x 38 ft., 8 reps

Row Width: 22 in.

Seeding Rate: 1.9 in. thinned to
203 beets/100'

Soil Info: Loam

Prev Crop: Wheat

Added N: 36 lbs. 2x2 + 100 lbs.
side-dress

Disease Pressure:

Cerc: Low

Rhizoc: Low to Moderate

Rainfall: 12.97 in.

Variety	\$/A*	RWST		RWSA	Yield		Sugar		CJP		Emergence	
		lb/T	Rank		T/A	Rank	%	Rank	%	Rank	%	Rank
BTS-1330	\$1,750	276	1	9663	35.0	4	17.7	1	97.8	2	55.9	12
HIL-2332NT	\$1,506	265	2	9007	34.0	8	17.4	3	96.6	9	61.6	3
SX-2296N	\$1,469	264	3	8816	33.4	10	17.3	4	96.8	6	57.0	9
C-G229	\$1,458	263	4	8812	33.5	9	16.9	7	98.0	1	60.3	4
C-G227	\$1,421	255	8	9178	35.9	1	16.9	6	96.4	12	56.8	10
BTS-1276	\$1,384	262	5	8474	32.4	13	17.2	5	96.5	10	62.9	1
BTS-1183	\$1,380	261	6	8498	32.6	12	17.4	2	95.9	14	59.0	6
BTS-128N	\$1,364	253	9	8988	35.5	3	16.7	9	96.4	11	60.0	5
BTS-1122	\$1,353	253	10	9039	35.9	2	16.5	13	96.9	5	62.8	2
C-G214NT	\$1,284	252	12	8587	34.1	6	16.6	11	96.7	8	57.0	8
HIL-2471NT	\$1,255	257	7	7975	31.0	16	16.8	8	97.0	4	41.9	15
HIL-2361	\$1,176	252	11	7856	31.2	14	16.5	12	96.8	7	56.4	11
BTS-123N	\$1,129	245	14	8091	33.0	11	16.0	15	97.2	3	57.6	7
C-G233	\$1,076	240	15	8177	34.1	7	16.2	14	95.5	15	54.8	14
HIL-2425NT	\$1,072	245	13	7636	31.1	15	16.7	10	95.0	16	40.3	16
C-G206NT	\$920	231	16	7895	34.2	5	15.5	16	96.0	13	55.8	13
Average	\$1,312.3	254.6		8543	33.6		16.77		96.59		56.27	
LSD 5%	200.4	9.5		755.8	2.6		0.6		0.8		9.6	
CV %	15.4	3.8		8.9	7.8		3.5		0.8		17.2	

See Cercospora Fungicide Application Page 45 for applications

Bold: Results are not statistically different from top-ranking variety in each column.

*\$/A: is calculated using the new Quality Payment System incorporating financial values from the Post Harvest Forecast.

Payment values are based on the MSC Post Harvest Forecast.

Trial data is adjusted for trial average T/A and RWST and company average T/A and RWST.

Comments: This trial had multiple heavy rains early in the season, which contributed to a slow start and presence of some root rot. There was some damage to the canopy from a heavy rain in early June, which slowed overall growth. Evidence of Root Aphids was noted at harvest. Yield and sugar was on par for a September harvest.



Official Variety Trial

Grekowicz, Harbor Beach - 2024

Trial Quality: Excellent

Planted: May 8

Harvested: September 24

Plots: 2 Rows x 38 ft., 8 reps

Row Width: 22 in.

Seeding Rate: 1.9 in. thinned to
203 beets/100'

Soil Info: Clay Loam

Prev Crop: Corn

Added N: 36 lbs. 2X2 + Manure

Disease Pressure:

Cerc: Very Low

Rhizoc: Low

Rainfall: 11.85 in.

Variety	\$/A*	RWST		RWSA	Yield		Sugar		CJP		Emergence	
		lb/T	Rank		T/A	Rank	%	Rank	%	Rank	%	Rank
C-G229	\$1,554	264	1	10195	38.6	10	17.3	1	96.7	1	67.8	7
BTS-1330	\$1,449	257	3	10052	39.2	9	17.3	2	95.5	7	71.4	4
C-G227	\$1,416	250	5	10431	41.8	5	16.9	4	95.1	11	58.2	14
HIL-2332NT	\$1,412	257	2	9767	38.0	13	17.1	3	95.9	2	69.7	6
BTS-1122	\$1,367	240	15	11049	46.0	1	16.5	13	94.7	13	77.1	1
BTS-1183	\$1,350	244	9	10506	43.1	3	16.5	10	95.3	9	67.6	8
C-G206NT	\$1,345	242	11	10642	43.9	2	16.4	14	95.5	6	70.4	5
BTS-1276	\$1,308	250	4	9586	38.3	12	16.9	5	95.3	8	65.0	11
SX-2296N	\$1,292	249	6	9599	38.6	11	16.6	7	95.9	3	73.1	3
BTS-128N	\$1,256	240	14	10166	42.4	4	16.5	11	94.6	14	73.5	2
BTS-123N	\$1,239	243	10	9736	40.1	7	16.3	15	95.7	4	67.0	9
C-G233	\$1,222	240	16	9965	41.6	6	16.6	9	94.2	16	60.8	12
C-G214NT	\$1,190	240	13	9618	40.1	8	16.5	12	94.7	12	58.7	13
HIL-2471NT	\$1,178	245	7	9088	37.1	16	16.9	6	94.3	15	46.3	16
HIL-2425NT	\$1,176	244	8	9087	37.2	15	16.6	8	95.2	10	52.4	15
HIL-2361	\$1,138	242	12	9006	37.2	14	16.3	16	95.6	5	66.2	10
Average	\$1,305.8	247		9906	40.2		16.70		95.26		65.32	
LSD 5%	175.9	10.0		592.2	2.1		0.6		1.0		7.4	
CV %	13.6	4.1		6.0	5.3		3.6		1.1		11.5	

See Cercospora Fungicide Application Page 45 for applications

Bold: Results are not statistically different from top-ranking variety in each column.

*\$/A: is calculated using the new Quality Payment System incorporating financial values from the Post Harvest Forecast.

Payment values are based on the MSC Post Harvest Forecast.

Trial data is adjusted for trial average T/A and RWST and company average T/A and RWST.

Comments: This trial location was excellent. Emergence was good, and disease control was very good. This trial had high root yields for a September harvest. Sugar content was lower than average but can be explained by an early harvest date.



Official Variety Trial

Gerstenberger, Sandusky - 2024

Trial Quality: Variable
Planted: May 1
Harvested: September 19
Plots: 2 Rows x 38 ft., 8 reps
Row Width: 22 in.
Seeding Rate: 1.9 in. thinned to
 203 beets/100'

Soil Info: Clay Loam
Prev Crop: Dry Beans
Added N: 90 lbs. PPI +
 36 lbs. 2x2

Disease Pressure:
Cerc: Low to Moderate
Rhizoc: Low to Moderate
Rainfall: 11.37 in.

Variety	\$/A*	RWST		RWSA	Yield		Sugar		CJP		Emergence	
		lb/T	Rank		T/A	Rank	%	Rank	%	Rank	%	Rank
BTS-1330	\$1,851	260	1	4927	18.9	4	16.8	1	97.7	1	50.6	13
HIL-2471NT	\$1,706	246	3	5029	20.4	2	16.2	2	96.8	13	44.9	16
C-G233	\$1,632	242	6	4972	20.5	1	16.0	5	96.6	15	59.4	3
SX-2296N	\$1,441	240	7	4416	18.2	5	15.7	7	97.0	11	56.5	8
C-G229	\$1,415	242	5	4289	17.6	7	15.7	6	97.6	3	56.4	9
BTS-1122	\$1,362	243	4	4100	16.8	11	16.1	3	96.6	14	56.6	7
HIL-2332NT	\$1,358	247	2	3928	15.8	16	16.0	4	97.6	2	57.3	6
C-G214NT	\$1,357	239	8	4275	17.9	6	15.7	8	97.0	12	53.3	12
BTS-1276	\$1,356	234	10	4496	19.2	3	15.3	11	97.5	4	61.3	1
C-G206NT	\$1,209	232	11	4056	17.4	9	15.2	12	97.3	9	53.9	11
C-G227	\$1,188	235	9	3889	16.5	14	15.4	10	97.2	10	55.3	10
HIL-2425NT	\$1,116	232	12	3741	16.1	15	15.4	9	96.5	16	49.1	15
BTS-1183	\$1,090	228	13	3836	16.8	12	15.0	13	97.3	8	59.4	4
BTS-123N	\$1,083	228	14	3851	16.9	10	14.9	14	97.4	5	49.3	14
HIL-2361	\$1,066	227	15	3944	17.6	8	14.9	15	97.3	7	58.1	5
BTS-128N	\$1,010	225	16	3734	16.6	13	14.7	16	97.4	6	60.2	2
Average	\$1,327.6	237.4		4218	17.7		15.56		97.17		55.11	
LSD 5%	342.1	12.5		720.9	2.7		0.8		0.4		10.8	
CV %	26.0	5.3		17.2	15.4		5.0		0.4		19.8	

See Cercospora Fungicide Application Page 45 for applications

Bold: Results are not statistically different from top-ranking variety in each column.

*\$/A: is calculated using the new Quality Payment System incorporating financial values from the Post Harvest Forecast. Payment values are based on the MSC Post Harvest Forecast.

Trial data is adjusted for trial average T/A and RWST and company average T/A and RWST.

Comments: This trial was the last OVT to be planted. It was hit with multiple heavy rains shortly after emergence, which resulted in standing water for extended periods of time, causing stunted beets. The trial location was maintained throughout the season and data was collected at harvest.

This location was not used for Variety Approval or Emergence Averages



Bushey Variety Trial

Caseville, MI - 2024

Trial Quality: Good	Soil Type: Loam	Cerc Control: EBDC, Provysol
Planted: 05/09/24	Fertilizer: EBDC, Super Tin, Topsin	
Seeding Rate: 56,000	Prev. Fall; Manure	EBDC, Badge
Plot Size: 8 Rows	PPI; 150 lbs Potash	EBDC, Delaro, Proline
Row Spacing: 22"	2x2; 4 gal Thio-Sul, 16 gal 28%, 1 qt MN, 1 qt B	All applications include Badge, Inspire
Harv. Samples 10/18/24		MasterLock
Harvest 10/24/24	Rhizoc Control: Quadris; I.F. + 8 If	EBDC, Super Tin
		EBDC, Proline

Variety	\$/A*	RWST	RWSA	T/A	% Sugar	% CJP	Populations 100 Ft. of Row		Dead Beets / 1200 Ft
							10 Day	35 Day	
BTS-128N	\$1,544	348	12575	36.3	18.7	95.3	No Early Count Due To Cover Crop	174	1
BTS-123N	\$1,512	353	11494	34.2	18.9	95.7		152	2
C-G227	\$1,430	352	11103	32.4	19.0	96.1		141	15
BTS-1276	\$1,398	357	10414	30.4	19.2	95.5		154	1
C-G233	\$1,392	342	11949	34.6	18.5	94.9		154	6
HIL-2332NT	\$1,351	357	9928	29.4	19.1	95.5		118	1
BTS-1122	\$1,335	340	11559	34.1	18.4	95.1		158	4
C-G214NT	\$1,332	345	11376	32.4	18.7	95.5		145	8
C-G229	\$1,267	345	10355	30.8	18.5	95.1		169	1
C-G206NT	\$1,247	332	12102	34.5	18.0	95.7		156	4
BTS-1183	\$1,237	339	11306	31.8	18.4	95.4		184	0
SX-2296N	\$1,169	344	7695	28.5	18.5	95.2		150	12
Average	\$1,351	346	10988	32.4	18.6	95.4		154	5

*\$/A: is calculated using the new Quality Payment System incorporating financial values from the Post Harvest Forecast. Payment values are based on the MSC Post Harvest Forecast.
 Trial data is adjusted for trial average T/A and RWST and company average T/A and RWST.

Comments: Previous Crop = Alfalfa, Other Pest - Nematode testing indicated the presence of SugarBeet Cyst Nematode. Mustang Maxx was applied IF + 8 If stage for additional insect control.



Volmering Variety Trial

Ruth, MI - 2024

Trial Quality: Good	Soil Type:	Rhizoc Control: IF; Quadris
Planted: 04/22/24	Fertilizer:	
Seeding Rate: 64,000	Prev Fall; 250 lbs Potash	Cerc Control: Proline, Masterlock
Plot Size: 9 Rows	PPI; 25 lbs UAN	Priaxor, Regard, Cross Hair
Row Spacing: 20"	3x2x2; 40 lbs N, 32 lbs Phosphorus, Micro Nutrients	Eminent, Masterlock
Harv. Samples 10/18/24	Post; 55 lbs N (Stream) 6-8 lf	Flint Extra, Masterlock
Harvest 11/13/24		Super Tin, Masterlock
		Topsin, Inspire XT, Masterlock

Variety	\$/A*	RWST	RWSA	T/A	% Sugar	% CJP	Populations 100 Ft. of Row		Dead Beets / 1200 Ft
								63 Day	
HIL-2332NT	\$1,493	307	10642	36.1	16.9	95.4	No Early Counts Due to Heavy Cover Crop	158	3
BTS-1122	\$1,444	299	11453	37.6	16.5	95.6		183	75
SX-2296N	\$1,421	302	10829	36.0	16.8	95.8		168	28
BTS-128N	\$1,407	294	11335	38.9	16.3	95.2		185	15
C-G227	\$1,405	300	11190	36.2	16.7	95.6		190	108
BTS-1276	\$1,404	300	10464	36.2	16.8	96.1		179	83
C-G233	\$1,373	299	10096	35.8	16.7	96.1		178	43
BTS-123N	\$1,344	292	11201	38.0	16.3	95.8		176	16
BTS-1183	\$1,325	290	11211	38.4	16.1	95.4		182	9
C-G206NT	\$1,264	286	11372	38.2	16.1	95.6		190	14
C-G229	\$1,256	287	10770	37.4	16.0	95.4		175	23
C-G214NT	\$1,097	285	9957	33.7	16.1	95.7		168	60

Average	\$1,353	295	10877	36.9	16.4	95.6	--	178	40
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*\$/A: is calculated using the new Quality Payment System incorporating financial values from the Post Harvest Forecast. Payment values are based on the MSC Post Harvest Forecast. Trial data is adjusted for trial average T/A and RWST and company average T/A and RWST.

Comments: The trial was planted into a wheat cover crop. Mustang Maxx was applied in a T-Band at planting. In season cutworms were present and insecticide was applied.



Wadsworth Variety Trial

Sandusky, MI - 2024

Trial Quality: Good	Soil Type: Loam	Rhizoc Control: IF; Quadris
Planted: 05/06/24	Fertilizer:	Post; Excalia
Seeding Rate: 64000	Prev Fall; 99 lbs P, 379 lbs K / Ac	Cerc Control: Proline, Delaro
Plot Size: 9 Rows	PPI; 31 gal 28%	Super Tin, Topsin
Row Spacing: 20"	2x2; 7 gal 10-34-0, 8 gal 28%, 8.5 gal Thio, 1 qt MN, 1 qt B 1 gal ZyDrive	All 5 applications included Manzte and Master Lock
Harv. Samples 10/22/24		Proline
Harvest 11/19/24		Super Tin
		Badge SC

Variety	\$/A*	RWST	RWSA	T/A	% Sugar	% CJP	Populations 100 Ft. of Row		Dead Beets / 1200 Ft
							17 Day	39 Day	
C-G229	\$1,466	330	12970	39.4	18.0	95.9	211	207	23
C-G233	\$1,451	330	12678	39.1	17.9	95.5	209	204	13
C-G227	\$1,446	336	11264	36.7	18.3	95.8	196	200	25
C-G206NT	\$1,388	320	13446	41.3	17.6	95.7	210	213	21
BTS-123N	\$1,383	323	12841	40.0	17.6	95.6	204	203	1
BTS-128N	\$1,372	320	12948	40.7	17.5	95.6	220	222	1
BTS-1183	\$1,355	315	13883	42.4	17.3	95.5	214	216	10
BTS-1122	\$1,311	318	12853	39.6	17.5	95.6	215	214	47
HIL-2332NT	\$1,309	325	11692	36.8	17.8	95.7	200	207	5
SX-2296N	\$1,308	327	11543	36.2	17.8	95.7	195	192	10
C-G214NT	\$1,282	323	12285	36.9	17.7	95.3	206	207	31
BTS-1276	\$1,145	310	12510	38.0	17.0	95.1	202	199	11
Average	\$1,351	323	12576	38.9	17.7	95.6	207	207	17

*\$/A: is calculated using the new Quality Payment System incorporating financial values from the Post Harvest Forecast.

Payment values are based on the MSC Post Harvest Forecast.

Trial data is adjusted for trial average T/A and RWST and company average T/A and RWST.

Comments: Early rain delayed planting however, this was the final SBA trial harvested. Warm, wet soils resulted in quick emergence. Root and leaf diseases were controlled.



Plant to Stand

Maurer, Ruth - 2024

Trial Quality: Good
Planted: May 1
Harvested: September 19
Plots: 6 Rows x 38 ft., 6 reps
Row Width: 22 in.
Seeding Rate: 4.1 in.

Soil Info: Loam
Prev Crop: Wheat
Added N: 36 lbs. 2X2 + 100 lbs.
 side-dress

Disease Pressure:
Cerc: Low
Rhizoc: Low to Moderate
Rainfall: 12.52 in.

Variety	\$/A*	RWST		RWSA	Yield		Sugar		CJP		B/100 ft.	
		lb/T	Rank		T/A	Rank	%	Rank	%	Rank	Act.	Rank
C-G229	\$1,474	260	2	9649	37.2	5	17.6	1	95.1	5	178.9	6
SX-2296	\$1,463	262	1	9405	35.9	9	17.6	2	95.5	2	229.6	3
C-G233	\$1,383	250	8	9851	39.4	3	17.0	10	95.0	8	185.6	2
BTS-1122	\$1,354	248	12	9847	39.7	2	17.0	11	94.6	12	191.7	9
HIL-2332NT	\$1,350	259	3	8920	34.5	11	17.3	4	95.7	1	185.2	4
BTS-128N	\$1,337	246	13	9959	40.6	1	16.8	13	94.7	11	202.6	13
BTS-123N	\$1,321	252	6	9240	36.7	8	17.1	6	95.0	6	184.8	5
BTS-1183	\$1,320	252	7	9278	36.9	6	17.0	9	95.2	4	189.2	8
BTS-1276	\$1,295	257	4	8641	33.6	12	17.3	3	95.4	3	183.3	11
C-G206NT	\$1,279	249	10	9187	36.9	7	16.9	12	95.0	9	203.7	7
HIL-2361	\$1,227	254	5	8482	33.5	13	17.2	5	95.0	7	163.1	1
C-G227	\$1,203	248	11	8783	35.5	10	17.1	8	94.5	14	163.1	14
HIL-2425NT	\$1,124	249	9	8041	32.2	14	17.1	7	94.5	13	165.1	10
C-G214NT	\$1,121	239	14	8946	37.4	4	16.4	14	94.8	10	182.8	12
Average	\$1,303.7	251.8		9159	36.4		17.10		94.99		186.3	
LSD 5%	179.1	9.4		823.5	3.3		0.6		1.0		41.8	
CV %	11.9	3.3		7.8	7.9		3.1		0.9		19.5	

See Cercospora Fungicide Application Page 45 for applications

Bold: Results are not statistically different from top-ranking variety in each column.

***/A:** is calculated using the new Quality Payment System incorporating financial values from the Post Harvest Forecast.

Payment values are based on the MSC Post Harvest Forecast.

Trial data is adjusted for trial average T/A and RWST and company average T/A and RWST.

Comments: This trial had a good stand. Plants grew out of early season wind and rain damage. Root yields were high and sugar content was respectable. Presence of Root Aphids was noted at harvest.



Plant to Stand

Grekowicz, Harbor Beach - 2024

Trial Quality: Good
Planted: May 8
Harvested: September 24
Plots: 6 Rows x 38 ft., 6 reps
Row Width: 22 in.
Seeding Rate: 4.1 in.

Soil Info: Clay Loam
Prev Crop: Corn
Added N: 36 lbs. 2X2 + Manure

Disease Pressure:
Cerc: Low
Rhizoc: Low
Rainfall: 11.09 in.

Variety	\$/A*	RWST		RWSA	Yield		Sugar		CJP		B/100 ft.	
		lb/T	Rank		T/A	Rank	%	Rank	%	Rank	Act.	Rank
BTS-1276	\$1,592	253	2	10526	41.6	6	17.3	1	94.5	10	192.1	8
C-G229	\$1,532	255	1	9968	39.1	10	17.2	2	95.5	4	198.4	6
BTS-1183	\$1,500	245	4	10618	43.4	3	16.7	3	94.9	6	202.9	5
C-G233	\$1,389	242	5	10049	41.4	7	16.4	6	95.4	5	191.1	9
SX-2296	\$1,359	248	3	9375	37.8	12	16.6	4	95.9	2	204.5	4
C-G214NT	\$1,325	242	6	9619	39.7	9	16.2	8	95.8	3	179.3	12
BTS-1122	\$1,314	236	9	10187	43.3	4	16.2	9	94.7	8	207.8	2
BTS-128N	\$1,289	233	11	10207	43.7	2	16.1	12	94.5	11	206.9	3
BTS-123N	\$1,262	234	10	9883	42.1	5	16.1	11	94.6	9	195.1	7
HIL-2332NT	\$1,248	241	8	9152	38.0	11	16.5	5	94.9	7	180.6	11
HIL-2361	\$1,199	242	7	8766	36.3	13	16.1	10	96.1	1	182.2	10
C-G227	\$1,176	232	12	9545	41.3	8	16.3	7	93.6	14	170.0	13
C-G206NT	\$1,147	226	14	9920	43.9	1	15.8	14	93.9	13	211.1	1
HIL-2425NT	\$985	231	13	8051	34.9	14	15.9	13	94.4	12	137.9	14
Average	\$1,308.4	240.0		9705	40.5		16.39		94.92		189.98	
LSD 5%	213.8	11.6		648.7	2.1		0.7		1.1		19.7	
CV %	14.2	4.2		5.8	4.6		3.6		1.0		9.0	

See Cercospora Fungicide Application Page 45 for applications

Bold: Results are not statistically different from top-ranking variety in each column.

***/A:** is calculated using the new Quality Payment System incorporating financial values from the Post Harvest Forecast.

Payment values are based on the MSC Post Harvest Forecast.

Trial data is adjusted for trial average T/A and RWST and company average T/A and RWST.

Comments: This trial was excellent. Emergence was excellent, and disease control was very good. Root yields were high, but sugar was average for a late September harvest.

Central District Trials





Official Variety Trial

Trost, Pigeon - 2024

Trial Quality: Good

Planted: May 15

Harvested: November 7

Plots: 2 Rows x 38 ft., 8 reps

Row Width: 22 in.

Seeding Rate: 1.9 in. thinned to
175 beets/100'

Soil Info: Clay

Prev Crop: Corn

Added N: 36 lbs. 2X2 + 100 lbs.
side-dress

Disease Pressure:

Cerc: Low to Moderate

Rhizoc: Low

Rainfall: 14.9 in.

Variety	\$/A*	RWST		RWSA	Yield		Sugar		CJP		Emergence	
		lb/T	Rank		T/A	Rank	%	Rank	%	Rank	%	Rank
C-G229	\$1,875	286	1	11004	38.5	4	18.7	1	96.4	2	36.1	7
C-G227	\$1,600	275	2	10217	37.1	9	18.3	5	95.6	4	33.4	12
BTS-1183	\$1,560	269	4	10468	38.8	2	18.3	4	94.6	10	37.1	6
C-G233	\$1,543	269	5	10394	38.6	3	18.2	9	95.1	6	25.9	15
SX-2296N	\$1,526	270	3	10193	37.7	6	18.5	3	94.5	12	44.8	2
BTS-128N	\$1,471	259	14	10881	41.9	1	17.8	13	94.3	14	46.0	1
C-G214NT	\$1,448	267	9	9919	37.1	10	18.1	11	94.9	8	32.4	13
BTS-123N	\$1,420	264	12	10017	37.9	5	18.1	10	94.4	13	35.1	9
C-G206NT	\$1,419	266	11	9891	37.2	7	18.0	12	95.1	5	41.5	5
HIL-2471NT	\$1,386	269	7	9347	34.7	13	18.2	7	94.9	9	24.8	16
BTS-1330	\$1,362	266	10	9401	35.3	12	18.6	2	93.5	15	34.1	10
HIL-2332NT	\$1,238	256	15	9529	37.2	8	18.2	6	92.6	16	44.5	4
HIL-2425NT	\$1,223	260	13	9013	34.6	14	17.8	14	94.6	11	30.4	14
BTS-1276	\$1,218	269	6	8198	30.4	15	18.2	8	94.9	7	33.6	11
BTS-1122	\$1,156	251	16	9251	36.5	11	16.7	16	96.1	3	44.6	3
HIL-2361	\$1,058	268	8	7171	26.7	16	17.4	15	97.2	1	35.7	8
Average	\$1,406.4	266		9681	36.3		18.07		94.93		36.26	
LSD 5%	295.6	13.5		1060.4	3.2		0.8		1.2		6.8	
CV %	21.2	5.1		11.1	8.8		4.7		1.3		19.0	

See Cercospora Fungicide Application Page 45 for applications

*\$/A: is calculated using the new Quality Payment System incorporating financial values from the Post Harvest Forecast.

Payment values are based on the MSC Post Harvest Forecast.

Trial data is adjusted for trial average T/A and RWST and company average T/A and RWST.

Bold: Results are not statistically different from top-ranking variety in each column.

Comments: This trial had variable emergence. Despite being the final OVT to be harvested, this trial had fair foliar and good root disease control.



Official Variety Trial

SVREC, Richville - 2024

Trial Quality: Good

Soil Info: Clay Loam

Disease Pressure:

Planted: April 22

Prev Crop: Corn

Cerc: Moderate

Harvested: November 2

Added N: 36 lbs. 2X2 + 120 lbs. PPI

Rhizoc: Low to Moderate

Plots: 2 Rows x 38 ft., 8 reps

Rainfall: 17.87 in.

Row Width: 22 in.

Seeding Rate: 1.9 in. thinned to
203 beets/100'

Variety	\$/A	RWST		RWSA	Yield		Sugar		CJP		Emergence	
		Ib/T	Rank		T/A	Rank	%	Rank	%	Rank	%	Rank
BTS-1330	\$1,701	289	1	12202	42.2	8	19.2	1	95.7	2	43.9	10
C-G229	\$1,594	283	2	11923	42.1	9	18.7	6	96.1	1	46.0	7
C-G227	\$1,522	275	3	12039	43.7	4	18.8	5	94.6	6	35.4	14
BTS-1122	\$1,417	265	10	12212	46.1	1	18.2	11	94.3	7	53.3	1
C-G233	\$1,406	269	7	11705	43.5	6	18.6	7	93.9	9	43.8	11
HIL-2332NT	\$1,308	272	5	10586	38.9	12	18.8	4	93.9	8	52.5	2
HIL-2471NT	\$1,287	274	4	10296	37.6	16	18.5	9	95.1	4	24.6	16
HIL-2361	\$1,286	272	6	10477	38.6	14	18.5	10	94.7	5	39.1	13
C-G206NT	\$1,285	259	12	11695	45.1	2	18.1	12	93.4	11	47.2	4
SX-2296N	\$1,277	266	9	10947	41.2	10	18.9	3	92.6	14	47.1	5
C-G214NT	\$1,239	268	8	10408	38.8	13	17.8	13	95.7	3	44.1	9
BTS-1276	\$1,237	265	11	10649	40.2	11	18.9	2	92.5	15	41.1	12
BTS-123N	\$1,153	255	14	10974	43.1	7	17.8	16	93.7	10	44.4	8
BTS-1183	\$1,144	254	15	11039	43.5	5	17.8	14	93.2	12	47.0	6
BTS-128N	\$1,071	248	16	10990	44.5	3	17.8	15	92.7	13	52.2	3
HIL-2425NT	\$1,048	256	13	9771	38.0	15	18.5	8	92.1	16	31.7	15
Average	\$1,310.9	266.8		11120	41.7		18.42		94.01		43.33	
LSD 5%	208.4	12.7		769.7	2.4		0.5		1.6		8.0	
CV %	16.0	4.8		7.0	5.7		2.5		1.8		18.6	

See Cercospora Fungicide Application Page 45 for applications

*\$/A: is calculated using the new Quality Payment System incorporating financial values from the Post Harvest Forecast.

Payment values are based on the MSC Post Harvest Forecast.

Trial data is adjusted for trial average T/A and RWST and company average T/A and RWST.

Bold: Results are not statistically different from top-ranking variety in each column.

Comments: This trial had heavy rains early in the season. Rains in the Richville area, throughout the growing season contributed to high leafspot pressure. The trial yield was high, but sugar was low.



Official Variety Trial

Sylvester, Fairgrove - 2024

Trial Quality: Good
Planted: April 16
Harvested: October 3
Plots: 2 Rows x 38 ft., 8 reps
Row Width: 22 in.
Seeding Rate: 1.9 in. thinned to
 203 beets/100'

Soil Info: Clay Loam
Prev Crop: Wheat/Raddish/Rye
Added N: 36 lbs. 2X2 + 100 lbs.
 side-dress

Disease Pressure:
Cerc: Low
Rhizoc: Low
Rainfall: 10.98 in.

Variety	\$/A	RWST		RWSA	Yield		Sugar		CJP		Emergence	
		lb/T	Rank		T/A	Rank	%	Rank	%	Rank	%	Rank
HIL-2332NT	\$1,543	320	1	9454	29.7	6	20.7	1	96.6	13	57.0	9
BTS-1330	\$1,448	319	2	8877	27.9	11	20.3	2	97.6	2	59.3	5
C-G227	\$1,441	310	4	9314	30.0	5	19.6	10	98.1	1	50.6	14
BTS-123N	\$1,424	305	8	9594	31.5	3	19.8	7	96.8	10	57.8	8
BTS-128N	\$1,382	295	16	10124	34.4	1	18.9	16	97.4	4	69.8	1
BTS-1183	\$1,375	305	10	9285	30.5	4	19.8	8	96.8	11	52.6	13
C-G229	\$1,336	315	3	8349	26.5	14	20.3	3	97.2	7	58.1	7
SX-2296N	\$1,325	306	7	8864	29.0	9	19.7	9	97.2	8	54.5	11
C-G206NT	\$1,286	296	15	9379	31.8	2	19.5	14	96.1	14	65.6	2
C-G233	\$1,274	305	9	8581	28.1	10	19.6	12	97.3	6	58.8	6
C-G214NT	\$1,257	300	11	8838	29.5	8	19.5	13	96.8	12	55.2	10
BTS-1276	\$1,254	309	5	8217	26.6	12	19.8	6	97.4	5	62.1	4
BTS-1122	\$1,251	299	12	8838	29.6	7	19.3	15	97.2	9	62.9	3
HIL-2361	\$1,227	307	6	8147	26.6	13	19.6	11	97.4	3	54.4	12
HIL-2425NT	\$1,036	296	14	7506	25.4	15	19.8	5	95.2	16	39.2	15
HIL-2471NT	\$1,028	298	13	7394	24.9	16	19.9	4	95.4	15	31.7	16
Average	\$1,305.5	305.2		8798	28.9		19.75		96.91		55.61	
LSD 5%	175.5	11.5		805.3	2.7		0.7		0.8		9.2	
CV %	13.6	3.8		9.2	9.5		3.7		0.8		16.6	

See Cercospora Fungicide Application Page 45 for applications

*\$/A: is calculated using the new Quality Payment System incorporating financial values from the Post Harvest Forecast.

Payment values are based on the MSC Post Harvest Forecast.

Trial data is adjusted for trial average T/A and RWST and company average T/A and RWST.

Bold: Results are not statistically different from top-ranking variety in each column.

Comments: This trial was good overall. Control of root and foliar disease was good. Yield and sugar was good for an early October harvest. Presence of root aphids was noted at harvest.



Sylvester Variety Trial

Reese, MI - 2024

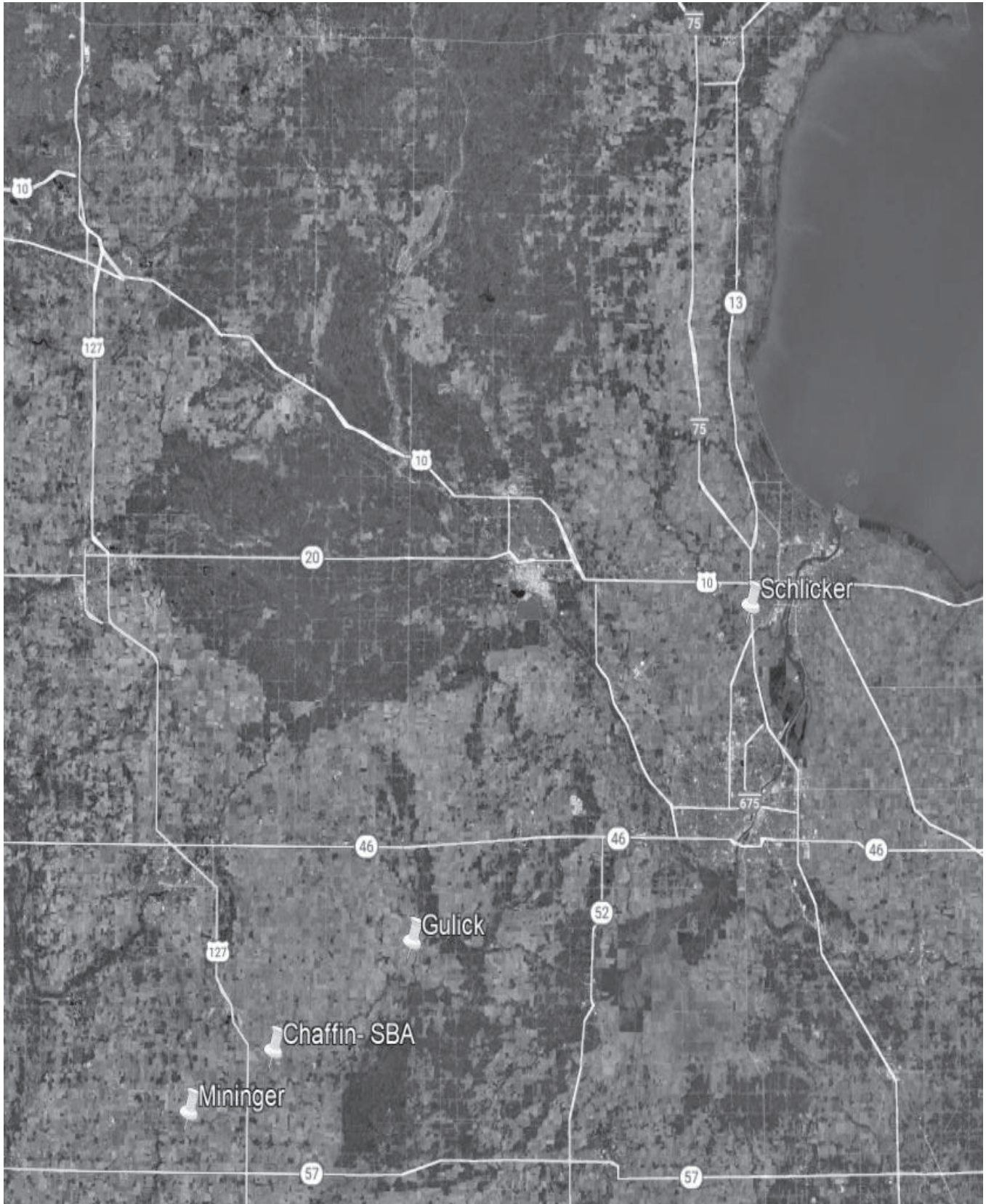
Trial Quality: Good	Soil Type: Sandy/ Loam	Cerc Control: EBDC
Planted: 04/22/24	Fertilizer:	Delaro
Seeding Rate: 64,000	Prev. Fall; VRT -	Super Tin
Plot Size: 9 Rows	2x2; 25 gal 28% ppi; 8 gal 28%, 5 gal 10-34-0, 7 gal Thiosol, 1 qt Boron, 1 qt Manganese	Revytek
Row Spacing: 20"		Super Tin
Harv. Samples 10/18/24	Post; 10 gal 28% 8 lf	Priaxor, Topsin
Harvest 10/24/24		Super Tin
		Badge

Variety	\$/A*	RWST	RWSA	T/A	% Sugar	% CJP	Populations 100 Ft. of Row		Dead Beets / 1200 Ft
							10 Day	51 Day	
C-G229	\$1,508	369.8	10953	29.6	19.6	96.7	87	181	54
BTS-123N	\$1,479	356.3	11613	32.6	19.0	97.1	71	203	34
BTS-128N	\$1,469	353.4	11734	33.2	19.0	97.0	82	194	14
C-G206NT	\$1,468	353.7	11715	33.1	19.0	96.8	93	190	15
BTS-1183	\$1,367	354.1	10877	30.7	19.0	96.7	98	203	13
C-G233	\$1,340	356.7	10501	29.4	19.1	97.0	128	206	48
BTS-1276	\$1,313	358.2	10196	28.4	19.2	96.7	92	172	73
BTS-1122	\$1,297	354.4	10316	29.1	19.0	96.2	125	205	80
C-G227	\$1,274	350.3	10400	29.7	18.8	96.9	89	208	21
HIL-2332NT	\$1,272	355.4	10049	28.3	19.0	96.8	43	180	19
SX-2296N	\$1,258	349.2	10335	29.6	18.8	96.3	51	183	27
C-G214NT	\$1,195	346.2	10049	29.0	18.7	96.7	63	124	116
Average	\$1,353	355	10728	30.2	19.0	96.7	85	188	43

*\$/A: is calculated using the new Quality Payment System incorporating financial values from the Post Harvest Forecast. Payment values are based on the MSC Post Harvest Forecast. Trial data is adjusted for trial average T/A and RWST and company average T/A and RWST.

Comments: The trial was planted in good conditions with a standing cover crop. Glyphosate was banded at planting, and an additional herbicide application was made for cover crop and weed control.

West District Trials





Official Variety Trial

Mininger, Middleton - 2024

Trial Quality: Excellent

Planted: April 9

Harvested: October 16

Plots: 2 Rows x 38 ft., 8 reps

Row Width: 22 in.

Seeding Rate: 1.9 in. thinned to
203 beets/100'

Soil Info: Sandy Clay Loam

Prev Crop: Corn

Added N: 36 lbs. 2X2 + Manure

Disease Pressure:

Cerc: Low

Rhizoc: Low

Rainfall: 13.2 in.

Variety	\$/A*	RWST		RWSA	Yield		Sugar		CJP		Emergence	
		lb/T	Rank		T/A	Rank	%	Rank	%	Rank	%	Rank
C-G229	\$1,597	330	1	15247	46.3	8	21.3	2	96.8	1	77.2	7
HIL-2332NT	\$1,547	327	2	15059	46.2	9	21.3	3	96.3	2	80.4	4
SX-2296N	\$1,456	322	3	14586	45.3	12	21.1	4	96.1	3	74.5	12
BTS-128N	\$1,425	313	6	15127	48.3	3	20.6	12	96.0	4	82.7	2
BTS-1330	\$1,392	316	4	14471	45.8	10	21.4	1	94.6	12	77.0	9
C-G233	\$1,324	303	11	15134	49.9	2	20.4	14	95.0	6	78.0	5
BTS-123N	\$1,307	311	8	14119	45.4	11	20.9	6	95.0	7	77.0	8
BTS-1276	\$1,290	312	7	13860	44.5	13	20.9	5	94.9	8	78.0	6
C-G206NT	\$1,288	306	10	14589	47.9	4	20.6	11	94.8	10	82.8	1
HIL-2361	\$1,281	314	5	13606	43.5	14	20.9	7	95.3	5	71.9	14
C-G227	\$1,238	302	12	14338	47.5	6	20.4	15	94.9	9	73.1	13
C-G214NT	\$1,229	302	13	14342	47.7	5	20.6	13	94.3	13	74.6	11
HIL-2471NT	\$1,150	306	9	12999	42.7	15	20.7	9	94.6	11	47.0	16
BTS-1183	\$1,113	296	15	13718	46.5	7	20.7	10	93.0	15	76.4	10
BTS-1122	\$1,100	288	16	14497	50.3	1	20.3	16	92.9	16	82.1	3
HIL-2425NT	\$1,086	302	14	12626	41.9	16	20.7	8	93.9	14	63.4	15
Average	\$1,301.4	309.4		14270	46.2		20.78		94.91		74.75	
LSD 5%	233.81	16.8		1073.2	3.2		0.6		2.0		5.3	
CV %	18.12	5.5		7.6	6.9		3.0		2.2		7.1	

See Cercospora Fungicide Application Page 45 for applications

Bold: Results are not statistically different from top-ranking variety in each column.

*\$/A: is calculated using the new Quality Payment System incorporating financial values from the Post Harvest Forecast.

Payment values are based on the MSC Post Harvest Forecast.

Trial data is adjusted for trial average T/A and RWST and company average T/A and RWST.

Comments: This trial was excellent. Emergence was excellent and disease control was good. Root yields and sugar were high.



Official Variety Trial

Gulick, Merrill - 2024

Trial Quality: Good
Planted: April 10
Harvested: October 24
Plots: 2 Rows x 38 ft., 8 reps
Row Width: 22 in.
Seeding Rate: 1.9 in. thinned to
 203 beets/100'

Soil Info: Clay Loam
Prev Crop: Wheat/Raddish/Rye
Added N: 36 lbs. 2X2 + Manure

Disease Pressure:
Cerc: Low
Rhizoc: Low to Moderate
Rainfall: 11.37 in.

Variety	\$/A*	RWST		RWSA	Yield		Sugar		CJP		Emergence	
		lb/T	Rank		T/A	Rank	%	Rank	%	Rank	%	Rank
BTS-1122	\$1,629	315	1	11212	35.6	3	21.7	6	93.7	1	70.2	1
C-G206NT	\$1,493	305	5	11009	36.1	2	21.6	8	92.3	5	62.7	7
SX-2296N	\$1,460	313	2	10202	32.6	14	22.0	3	92.7	2	56.1	13
BTS-1330	\$1,446	304	6	10761	35.4	4	22.4	1	90.7	13	61.5	8
C-G229	\$1,419	304	8	10574	34.8	8	21.9	4	91.7	9	59.4	12
C-G214NT	\$1,392	301	10	10567	35.1	6	21.6	9	91.8	7	60.3	11
BTS-1276	\$1,378	307	3	10069	32.9	11	22.2	2	91.5	11	63.2	6
HIL-2361	\$1,367	304	7	10197	33.6	10	21.6	10	92.2	6	53.8	14
HIL-2332NT	\$1,366	306	4	10015	32.7	13	21.7	5	92.3	3	63.6	5
C-G227	\$1,308	301	9	9897	32.8	12	21.7	7	91.7	8	60.5	9
BTS-123N	\$1,295	294	11	10386	35.3	5	21.3	14	91.6	10	64.2	4
BTS-1183	\$1,243	293	12	9983	34.0	9	21.5	11	91.0	12	60.4	10
BTS-128N	\$1,239	292	13	10205	35.1	7	20.8	16	92.3	4	68.2	2
C-G233	\$1,179	284	14	10351	36.4	1	21.4	13	90.0	15	65.0	3
HIL-2471NT	\$930	282	15	8366	29.7	15	21.1	15	90.2	14	35.2	16
HIL-2425NT	\$879	281	16	7942	28.2	16	21.5	12	89.4	16	40.9	15
Average	\$1,313.9	299.1		10109	33.8		21.62		91.57		59.07	
LSD 5%	237.1	15.8		758.2	2.0		0.7		1.9		6.8	
CV %	18.2	5.3		7.6	5.9		3.1		2.1		11.6	

See Cercospora Fungicide Application Page 45 for applications

Bold: Results are not statistically different from top-ranking variety in each column.

*\$/A: is calculated using the new Quality Payment System incorporating financial values from the Post Harvest Forecast. Payment values are based on the MSC Post Harvest Forecast. Trial data is adjusted for trial average T/A and RWST and company average T/A and RWST.

Comments: This trial location had ample rains early in the season for beets to emerge evenly. Late season dry spells contributed to low levels of foliar diseases but also lower yield. This trial was the first to be harvested during permanent piling. Rain events in the week leading up to harvest paired with use of manure contributed to lower purity. Sugar percentage was high.



Official Variety Trial

Schlicker, Bay City - 2024

Trial Quality: Fair

Planted: April 22

Harvested: October 11

Plots: 2 Rows x 38 ft., 8 reps

Row Width: 22 in.

Seeding Rate: 1.9 in. thinned to
175 beets/100'

Soil Info: Clay Loam

Prev Crop: Corn

Added N: 36 lbs. 2X2 + 250 lbs. Urea

Disease Pressure:

Cerc: Low to Moderate

Rhizoc: Low to Moderate

Rainfall: 15.01 in.

Variety	\$/A*	RWST		RWSA	Yield		Sugar		CJP		Emergence	
		lb/T	Rank		T/A	Rank	%	Rank	%	Rank	%	Rank
BTS-128N	\$1,513	278	12	9986	36.0	1	18.6	15	95.5	3	49.9	1
C-G214NT	\$1,505	283	7	9382	33.1	3	19.4	8	94.3	9	38.4	11
SX-2296N	\$1,500	289	4	9017	31.2	6	19.8	2	94.0	10	40.4	8
BTS-1183	\$1,454	283	8	9133	32.3	4	19.2	9	94.6	6	42.5	5
C-G229	\$1,444	290	3	8649	29.9	8	19.7	3	94.5	7	38.9	9
BTS-1330	\$1,440	299	1	8033	26.8	13	19.9	1	95.6	2	45.5	3
HIL-2332NT	\$1,421	291	2	8418	29.0	10	19.6	5	94.9	5	41.8	6
C-G227	\$1,386	281	10	8807	31.3	5	19.6	6	93.4	15	34.2	14
BTS-1122	\$1,358	281	11	8647	30.7	7	19.5	7	93.7	12	48.7	2
BTS-123N	\$1,351	286	5	8262	28.9	11	18.8	13	96.4	1	41.1	7
C-G233	\$1,344	283	9	8445	29.9	9	19.0	10	95.2	4	37.0	13
C-G206NT	\$1,239	267	15	8987	33.6	2	18.5	16	93.7	13	45.5	4
BTS-1276	\$1,228	285	6	7595	26.7	14	19.7	4	93.6	14	38.3	12
HIL-2361	\$1,135	275	13	7585	27.5	12	18.8	12	94.5	8	38.9	10
HIL-2425NT	\$993	273	14	6736	24.6	16	18.8	11	94.0	11	30.8	15
HIL-2471NT	\$734	248	16	6605	26.5	15	18.8	14	90.1	16	24.3	16
Average	\$1,315.2	280.8		8393	29.9		19.23		94.25		39.76	
LSD 5%	234.0	13.1		828.6	2.7		0.5		1.9		10.5	
CV %	17.9	4.7		10.0	9.0		2.6		2.0		26.7	

See Cercospora Fungicide Application Page 45 for applications

Bold: Results are not statistically different from top-ranking variety in each column.

*\$/A: is calculated using the new Quality Payment System incorporating financial values from the Post Harvest Forecast.

Payment values are based on the MSC Post Harvest Forecast.

Trial data is adjusted for trial average T/A and RWST and company average T/A and RWST.

Comments: This trial had variable emergence and presence of some root and foliar disease across the entire plot. Yield and sugar was average for an early October harvest.



Chaffin Variety Trial

North Star, MI - 2024

Trial Quality: Good
Planted: 04/16/24
Seeding Rate: 64,000
Plot Size: 12 Row
Row Spacing: 20"
Harv. Samples: 10/23/24
Harvest: 11/12/24

Soil Type:
Fertilizer:
 Prev. Fall; 12,000 gal Manure
 PPI; 55# N, 10# Potash

Rhizoc Control: Quadris 6/15/24
Cercos Control: Koverall
 Inspire
 Super Tin
 All applications included Koverall
 Delaro
 Super Tin

Variety	\$/A*	RWST	RWSA	T/A	% Sugar	% CJP	Populations 100 Ft. of Row		Dead Beets / 1200 Ft
							29 Day	47 Day	
C-G233	\$1,646	321	13077	42.0	17.6	95.0	216	193	4
SX-2296N	\$1,511	323	11737	37.6	17.8	95.1	224	213	1
BTS-123N	\$1,466	323	13319	42.8	17.7	95.6	229	222	5
C-G227	\$1,458	310	12602	40.5	17.0	94.7	232	206	4
C-G229	\$1,323	334	13067	42.3	18.2	94.9	228	212	14
C-G214NT	\$1,313	309	12955	39.2	17.3	94.9	227	221	16
HIL-2332NT	\$1,312	324	11979	37.0	17.9	95.3	222	215	0
BTS-1122	\$1,303	309	13370	42.1	17.4	95.2	219	207	1
C-G206NT	\$1,287	312	13325	41.7	17.3	95.4	214	215	3
BTS-128N	\$1,248	310	13282	42.4	17.2	94.9	211	224	2
BTS-1183	\$1,192	298	14359	43.4	16.6	94.6	219	207	0
BTS-1276	\$1,163	325	12566	40.7	18.0	95.0	229	224	4

Average	\$1,352	317	12970	41.0	17.5	95.0	223	213	5
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*\$/A: is calculated using the new Quality Payment System incorporating financial values from the Post Harvest Forecast.

Payment values are based on the MSC Post Harvest Forecast.

Trial data is adjusted for trial average T/A and RWST and company average T/A and RWST.

Comments: Trial quality was good. Previous Crop; Corn followed by manure.



Plant to Stand

Mininger, Middleton - 2024

Trial Quality: Excellent
Planted: April 9
Harvested: October 16
Plots: 6 Rows x 38 ft., 6 reps
Row Width: 22 in.
Seeding Rate: 4.1 in.

Soil Info: Sandy Loam
Prev Crop: Corn
Added N: 36 lbs. 2X2 + Manure

Disease Pressure:
Cerc: Low
Rhizoc: Low
Rainfall: 13.2 in.

Variety	\$/A*	RWST		RWSA	Yield		Sugar		CJP		B/100 ft.	
		lb/T	Rank		T/A	Rank	%	Rank	%	Rank	Act.	Rank
C-G229	\$1,698	326	1	15608	47.8	5	21.3	1	96.4	2	234.6	5
C-G233	\$1,494	313	2	14935	47.7	6	20.6	6	96.1	3	232.0	8
BTS-128N	\$1,488	311	4	15063	48.4	4	20.3	9	96.6	1	240.8	3
C-G227	\$1,406	310	5	14372	46.4	9	20.7	3	95.2	8	220.4	11
C-G206NT	\$1,370	302	8	14747	48.7	2	20.1	12	95.6	5	245.1	2
C-G214NT	\$1,334	307	7	13940	45.5	10	20.2	10	96.0	4	234.2	6
HIL-2332NT	\$1,300	307	6	13574	44.3	11	20.5	7	95.3	7	224.7	10
SX-2296	\$1,276	311	3	12992	41.9	13	20.7	4	95.5	6	220.1	12
BTS-1122	\$1,261	296	10	14390	48.7	3	19.9	13	95.0	9	249.1	1
BTS-1276	\$1,211	295	11	13835	46.9	8	20.9	2	92.5	14	237.9	4
BTS-123N	\$1,141	290	13	13736	47.4	7	20.2	11	93.4	13	232.3	7
HIL-2361	\$1,133	295	12	13001	44.1	12	20.4	8	93.6	12	210.9	13
BTS-1183	\$1,131	287	14	13985	48.8	1	19.8	14	93.9	10	229.7	9
HIL-2425NT	\$1,065	299	9	11808	39.5	14	20.6	5	93.8	11	190.4	14
Average	\$1,307.8	303.6		13999	46.16		20.43		94.91		228.75	
LSD 5%	298.9	20.3		1280.3	3.1		0.6		2.9		16.1	
CV %	19.8	5.8		7.9	5.8		2.6		2.6		6.1	

See Cercospora Fungicide Application Page 45 for applications

Bold: Results are not statistically different from top-ranking variety in each column.

***/A:** is calculated using the new Quality Payment System incorporating financial values from the Post Harvest Forecast.

Payment values are based on the MSC Post Harvest Forecast.

Trial data is adjusted for trial average T/A and RWST and company average T/A and RWST.

Comments: This trial had an excellent stand. Foliar and root disease levels were low. Yield was excellent and sugar was high.



Plant to Stand

Schlicker, Bay City - 2024

Trial Quality: Fair

Planted: April 22

Harvested: October 15

Plots: 6 Rows x 38 ft., 6 reps

Row Width: 22 in.

Seeding Rate: 4.1 in.

Soil Info: Clay Loam

Prev. Crop: Corn

Added N: 36 lbs. 2X2 + 250 lbs. Urea

Disease Pressure:

Cerc: Low to Moderate

Rhizoc: Low to Moderate

Rainfall: 16.22 in.

Variety	Quality Payment	RWST		RWSA	Yield		Sugar		CJP		B/100 ft.	
		lb/T	Rank		T/A	Rank	%	Rank	%	Rank	Act.	Rank
HIL-2332NT	\$1,719	299	1	10323	34.5	6	19.2	3	97.4	4	153.6	6
BTS-1183	\$1,689	299	2	10197	34.2	7	19.0	8	98.0	1	159.3	3
C-G233	\$1,667	293	4	10461	35.8	4	19.2	2	96.3	6	130.3	10
SX-2296	\$1,595	291	6	9976	34.1	8	18.7	11	97.4	3	164.7	1
C-G227	\$1,538	293	5	9637	33.0	11	19.1	5	96.6	5	115.1	13
BTS-128N	\$1,503	280	10	10243	36.5	3	18.4	13	96.3	7	153.7	5
C-G229	\$1,361	285	7	8998	31.6	12	19.4	1	94.5	10	162.2	2
HIL-2425NT	\$1,360	280	9	9271	33.0	10	19.0	9	94.9	8	104.9	14
HIL-2361	\$1,347	295	3	8262	27.9	14	18.8	10	97.8	2	116.1	12
C-G206NT	\$1,313	266	12	10165	38.2	1	18.5	12	93.7	11	158.2	4
BTS-1276	\$1,310	282	8	8836	31.3	13	19.1	7	94.8	9	136.2	9
BTS-123N	\$1,301	271	11	9672	35.8	5	19.2	4	92.8	12	142.4	8
BTS-1122	\$1,088	256	13	9392	36.7	2	19.1	6	90.6	14	151.4	7
C-G214NT	\$939	252	14	8462	33.5	9	18.1	14	92.4	13	124.9	11
Average	\$1,409.3	281.5		9564.0	34.0		18.91		95.26		140.93	
LSD 5%	305.5	17.9		948.6	2.7		0.7		2.3		31.0	
CV %	18.8	5.5		8.6	6.8		3.3		2.1		19.1	

See Cercospora Fungicide Application Page 45 for applications

Bold: Results are not statistically different from top-ranking variety in each column.

***\$/A:** is calculated using the new Quality Payment System incorporating financial values from the Post Harvest Forecast.

Payment values are based on the MSC Post Harvest Forecast.

Trial data is adjusted for trial average T/A and RWST and company average T/A and RWST.

Comments: This trial was planted into ample moisture but experienced a dry period after planting which contributed to a slightly less than desirable stand. Yield and Sugar was respectable.



Nursery Data





Rhizoctonia Nursery

Average of Two Years, 2023 & 2024

Trial Quality: Good

Location: USDA

Plot Size: 2 Rows x 25 ft., 6 reps

Inoculation: Inoculated with Rhizoctonia Solani AG 2-2 IIIB

Variety	Root Rating*	Estimated Root
	0-7	Rot %
C-G206NT	3.72	21.0
HIL-2332NT	3.96	24.5
HIL-2361	4.11	28.8
BTS-128N	4.12	30.0
BTS-1183	4.17	31.3
HIL-2471NT	4.21	31.3
BTS-1330	4.28	32.5
SX-2296N	4.33	36.3
HIL-2425NT	4.35	35.0
BTS-1276	4.42	37.5
C-G229	4.50	40.0
BTS-123N	4.51	38.8
C-G227	4.53	41.3
C-G214NT	4.60	42.5
C-G233	4.66	43.8
BTS-1122	5.11	55.0
Average	4.35	35.58
LSD 5%	0.8	18.5
CV %	8.1	24.4

Bold: Results are not significantly different from the top ranking variety in each column

***Rating System:**

0 = No Infection 1 = less than 2% rotted roots 2 = less than 5% rotted roots
 3 = 5 to 25% rotted roots 4 = 26 to 50% rotted roots 5 = 51 to 75% rotted roots
 6 = 76 to 95% rotted roots 7 = 100% rotted roots

During evaluations, roots were dug and assigned values from zero to seven. Each plot contained approximately 50 roots and each root was rated for all six replications.



Cercospora Nursery

Average of Two Years, 2023 & 2024

Trial Quality: Good

Plot Size:

Locations:

Blumfield East - 2 Rows x 25 ft., 6 Reps

2023 - SVREC & Blumfield

SVREC - 2 Rows x 20 ft., 6 reps

2024 - SVREC & Blumfield

Inoculation: Trials were Inoculated

Variety	Avg of 2 Years CLS Rate 0-9	2023 CLS Rate 0-9	2024 CLS Rate 0-9
BTS-1276	3.0	2.4	3.7
C-G229	3.3	2.5	4.1
BTS-123N	3.4	2.8	3.9
C-G206NT	3.5	2.9	4.1
BTS-1330	3.7	3.1	4.3
BTS-128N	3.8	3.1	4.5
HIL-2471NT	3.9	3.8	4.0
C-G233	4.0	3.3	4.6
HIL-2425NT	4.0	4.0	4.0
C-G227	4.0	3.2	4.8
C-G214NT	4.0	3.2	4.8
BTS-1183	4.0	3.3	4.8
BTS-1122	4.2	3.3	5.0
Resistant Check	4.8	4.8	4.8
HIL-2361	4.9	4.6	5.1
SX-2296N	5.6	5.5	5.7
HIL-2332NT	5.7	5.6	5.7
Susceptible Check	6.5	6.5	6.4
Average	4.23	3.78	4.68

Cercospora Rating (0-9 Scale): 0 = no spots, 1 = very few spots, 2 = up to 10 spots/leaf, 2.5 = up to 50 spots/leaf, 3 = 100 to 200 spots/leaf (approx 3% leaf injury), 4 = up to 10 % injury, 5 = up to 25 % injury, 6 = up to 50% injury, 7 = up to 75% injury, 8 = up to 90% injury, 9 = leaves completely dead.



Cyst Nematode Nursery

Average of Two Years, 2023 & 2024

Trial Quality: Good

Cerc Control: Low

Locations: 2023 - Sylvester
2024 - Wadsworth

Rhizoc Control: Low to Moderate

Plot Size: 2023 - 2 Rows x 38 ft., 6 reps

Plot Size: 2024 - 2 Rows x 38 ft., 6 reps

Variety	\$/A*	RWST		RWSA	Yield		Sugar		CJP	
		lb/T	Rank		T/A	Rank	%	Rank	%	Rank
SX-2296N	\$1,547	270	2	9366	34.8	7	17.9	1	96.2	3
HIL-2332NT	\$1,497	271	1	9040	33.5	9	17.8	2	96.4	1
C-G214NT	\$1,404	256	5	9638	37.6	3	16.9	5	96.3	2
HIL-2425NT	\$1,355	261	3	8840	34.1	8	17.5	3	95.7	6
HIL-2471NT	\$1,325	257	4	8942	35.1	6	17.3	4	95.5	8
BTS-123N	\$1,301	247	6	9645	38.9	2	16.6	6	95.6	7
BTS-128N	\$1,185	245	7	9081	36.8	4	16.4	7	95.8	5
C-G206NT	\$1,080	236	9	9251	39.2	1	15.8	9	96.0	4
Susceptible Check	\$1,039	239	8	8462	35.7	5	16.4	8	94.8	9
Average	\$1,303.7	253.5		9140.5	36.19		16.95		95.80	
LSD 5%	507.2	12.3		2583.9	8.9		0.8		0.7	
CV %	16.9	2.1		12.3	10.6		2.1		0.3	

Bold: Results are not statistically different from top ranking variety in each column.

***/A:** is calculated using the new Quality Payment System incorporating financial values from the Post Harvest Forecast. Payment values are based on the MSC Post Harvest Forecast.

Trial data is adjusted for trial average T/A and RWST and company average T/A and RWST.



Root Aphid Nursery

Magno Seed, LLC & KWS

PIONEER • BIG CHIEF
MICHIGAN SUGAR

Average of Two Years 2023 & 2024

Variety	% Infected
HIL-2425NT	0.7
BTS-128N	0.8
BTS-1122	1.0
C-G214NT	1.0
C-G206NT	1.0
HIL-2332NT	1.1
BTS-123N	1.2
C-G233	1.7
HIL-2361	1.7
HIL-2471NT	1.9
BTS-1183	2.0
BTS-1330	2.5
C-G227	3.0
BTS-1276	3.7
SX-2296N	3.8
C-G229	4.8
Resistant Check	5.1
Susceptible Check	20.2
Average	3.2
LSD 5%	12.4
CV %	184.5

Magno conducts a replicated field trial (plots 4 Rows x 30 ft).

KWS conducts a greenhouse trial.

Beets are rated for Root Aphids at harvest.

Bold: Results are not statistically different from top ranking variety in each column.



Aphanomyces Nursery

Magno Seed, LLC & KWS

Average of Two Years 2023 & 2024

Variety	Root Rating 1 - 9 Scale	Canopy Rating 1 - 9 Scale	Stand Loss 1 - 5 Scale
BTS-128N	2.7	2.5	1.0
C-G206NT	2.7	2.8	1.0
BTS-1183	2.9	2.3	1.0
BTS-123N	3.0	2.2	1.0
C-G214NT	3.0	2.5	1.0
C-G229	3.0	3.5	1.0
BTS-1330	3.0	3.6	1.0
C-G227	3.1	3.1	1.0
HIL-2332NT	3.4	3.6	1.0
BTS-1276	3.4	3.2	1.0
SX-2296N	3.4	4.1	1.0
Resistant Check	3.5	3.1	1.0
C-G233	3.5	2.9	1.0
BTS-1122	3.7	2.7	1.0
HIL-2425NT	3.7	5.1	1.0
HIL-2361	4.2	4.1	1.0
Susceptible Check	4.2	4.8	1.0
HIL-2471NT	5.1	4.6	1.0
Average	3.41	3.38	1.00

Root and Canopy Ratings (1 - 9 scale): 1 = very little damage, 2 = up to 20% damage, 4 = up to 60% damage, 6 = up to 70% damage and 8 = up to 90% damage.

Stand Rating (1 - 5 scale): 1 = up to 20% loss, 2 = up to 40% loss, 3 = up to 60% loss, 4 = up to 80% loss, and 5 = up to 100% loss.

Note: Root rating is the average of Magno Seed, LLC and KWS ratings. Foliar ratings and Stand Loss are from KWS only.



Rhizomania Nursery

USDA, Kimberly, Idaho

Average of Two Years, 2023 & 2024

Trial Quality: Good

Location: Kimberly, Idaho

Plot Size: 2 Rows x 24 ft., 6 reps

Variety	Root Rating 0-9	RWSA	% Sugar	T/A	Foliar Rating 0-100
BTS-1122	2.0	12753	17.3	42.8	1.9
C-G206NT	2.1	12593	17.0	42.7	0.9
C-G233	2.3	11868	17.5	39.3	1.3
C-G214NT	2.4	11145	17.3	37.2	2.8
BTS-1183	2.4	11359	17.4	37.6	33.5
BTS-128N	2.4	10630	16.6	36.9	1.6
BTS-123N	2.4	10626	16.7	36.6	2.8
BTS-1276	2.5	11182	17.7	36.2	3.0
HIL-2332NT	2.7	10348	17.6	33.8	0.6
HIL-2471NT	2.7	9764	16.7	34.1	2.9
C-G229	2.7	10268	17.8	33.0	2.0
HIL-2425NT	2.7	10007	17.2	33.8	0.9
BTS-1330	2.7	10378	18.0	32.9	7.6
C-G227	2.7	9957	17.2	33.6	69.1
SX-2296N	2.7	10024	17.4	33.1	14.9
HIL-2361	3.2	8079	17.1	27.0	32.1
Resistant Check	4.4	3994	14.8	15.7	100.0
Average	2.6	10292.7	17.14	34.48	16.32
LSD 5%	0.4	1275.4	0.7	4.3	33.7
CV %	6.5	5.9	1.9	5.9	97.5

Root Rating (1-9 scale): 1 = very little damage, 2 = up to 20% damage, 4 = up to 60% damage, 6 = up to 75% damage and 8 = up to 90% damage.

Foliar Rating: 0 = best, 100 = worst.

Bold: Results are not statistically different from top ranking variety in each column.



Fusarium Nursery

American Crystal Sugar Company

Average of Two Years, 2023 & 2024

Trial Quality: Good

Evaluated: 4 evaluation dates toward end of season

Plot Size: 2 Rows x 17 ft., 4 reps

Variety	Avg of 2 Years Rating 1-9	2023 Rating 1-9	2024 Rating 1-9
C-G233	2.0	2.5	1.5
BTS-1122	2.4	3.3	1.5
BTS-1276	2.5	3.5	1.6
BTS-128N	2.5	3.3	1.7
C-G214NT	2.6	3.3	2.0
BTS-1183	2.7	3.5	1.9
C-G229	2.7	3.6	1.8
C-G206NT	2.8	3.7	1.8
C-G227	2.8	3.8	1.7
BTS-1330	2.8	3.9	1.7
BTS-123N	2.8	3.8	1.8
SX-2296N	3.7	3.9	3.4
HIL-2332NT	3.8	4.0	3.7
HIL-2361	3.9	4.6	3.3
HIL-2425NT	4.6	4.5	4.8
HIL-2471NT	5.0	4.7	5.4
Average	3.11	3.74	2.48

Foliar Rating (1-9 scale): 1 = very little damage, 2 = up to 20% damage, 4 = up to 60% damage, 6 = up to 75% damage, and 8 = up to 90% damage. Values are an average of 4 ratings.



Official Variety and Plant to Stand Trials

Michigan Sugar Company

Location Information

	Harbor Beach	Merrill	Ruth	Middleton	Bay City	Richville	Fairgrove	Pigeon	Sandusky
Grower	Grekowicz	Gulick	Maurer	Mininger	Schlicker	SVREC	Sylvester	Trost	Gerstenberger
Trial Quality	OVT - Excellent PTS - Good	Good	OVT & PTS - Good	Excellent	OVT & PTS - Fair	Good	Good	Good	Variable
Planted	May 8	April 10	May 1	April 9	April 22	April 22	April 16	May 15	May 20
Harvested	September 25	October 24	September 23	OVT & PTS - October 16	OVT - October 11	November 2	October 3	November 7	September 17
Soil Texture	Clay Loam	Clay Loam	Loam	Sandy Clay Loam	Clay Loam	Clay Loam	Clay Loam	Clay Loam	Clay Loam
Soil pH	7.9	6.0	7.7	7.2	7.8	8.0	8.0	6.3	5.7
Soil OM	2.9%	3.0%	2.9%	3.8%	2.6%	2.4%	2.9%	2.8%	3.6%
Phosphorus	112	54	59	47	62	33	93	95	69
Potassium	230	209	214	193	181	164	332	192	121
Magnesium	285	120	265	290	340	420	365	225	165
Manganese	51	25	43	36	35	45	36	33	10
Boron	1.4	0.5	1.5	1	1.8	1.4	2.1	1.3	0.6
Zinc	10.3	4.2	6.3	5.4	8.7	5.6	4.3	8.9	4.6
Nitrogen Added	36 lbs. 2x2 + Manure	36 lbs. 2x2 + Manure	36 lbs. 2x2 + 100 lbs. side-dress	36 lbs. 2x2 + Manure	35 lbs. 2x2 + 250 lbs. Urea	36 lbs. 2x2 + 120 lbs. PPI	36 lbs. 2x2 + 100 lbs. side-dress	36 lbs. 2x2 + 100 lbs. side-dress	36 lbs. 2x2 + 90 lbs. PPI

Seasonal Rainfall

April	1.46	1.15	2.77	1.42	0.72	0.6	1.49	1.64	1.19
May	1.46	2.43	2.77	2.41	2.20	3.61	2.38	1.64	1.19
June	2.86	2.64	3.23	2.08	2.96	3.86	2.6	3.06	2.36
July	4.14	1.69	4.98	3.08	5.93	3.83	3.53	3.06	4.49
August	1.85	2.06	3.05	2.86	2.01	3.16	2.19	3.44	2.04
September	1.54	0.37	1.06	0.32	0.80	0.88	0.67	0.67	0.13
October	1.54	1.03	1.06	1.03	0.03	1.93	0.15	1.85	0.13
November	11.85	11.37	15.09	13.2	14.65	17.87	13.01	14.9	10.21
Total	11.85	11.37	15.09	13.2	14.65	17.87	13.01	14.9	10.21



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MICHIGAN SUGAR

Official Variety Trials

Cercospora Fungicides: Application Dates and Products

Location	Treatment 1**	Treatment 2**	Treatment 3**	Treatment 4**
Grekowicz	6/19 - EBDC*	7/1 - Delaro, Proline, EBDC*	7/19 - Super Tin, Topsin, EBDC*	7/29 - Inspire XT, EBDC*
Maurer	6/21 - EBDC*	6/27 - Delaro, Proline, EBDC*	7/8 - Super Tin, Topsin, EBDC*	7/22 - Inspire XT, EBDC*
Trost	6/26 - EBDC*	7/1 - Delaro, Proline, EBDC*	7/18 - Super Tin, Topsin, EBDC*	7/25 - Inspire XT, EBDC*
Gulick	6/18 - EBDC*	6/28 - Delaro, Proline, EBDC*	7/9 - Super Tin, Topsin, EBDC*	7/22 - Inspire XT, EBDC*
Mininger	6/18 - EBDC*	6/26 - Delaro, Proline, EBDC*	7/9 - Super Tin, Topsin, EBDC*	7/22 - Inspire XT, EBDC*
SVREC	6/19 - EBDC*	6/28 - Delaro, Proline, EBDC*	7/8 - Super Tin, Topsin, EBDC*	7/23 - Inspire XT, EBDC*
Sylvester	6/19 - EBDC*	6/28 - Delaro, Proline, EBDC*	7/9 - Super Tin, Topsin, EBDC*	7/23 - Inspire XT, EBDC*
Schlicker	6/19 - EBDC*	6/28 - Delaro, Proline, EBDC*	7/9 - Super Tin, Topsin, EBDC*	7/23 - Inspire XT, EBDC*

Location	Treatment 5**	Treatment 6**	Treatment 7**	Treatment 8**
Grekowicz	8/12 - Super Tin, EBDC*	8/26 - Veltyma, EBDC*	8/27 - Super Tin, EBDC*	9/9 - Badge, Propulse
Maurer	8/2 - Super Tin, EBDC*	8/14 - Veltyma, EBDC*	8/27 - Super Tin, EBDC*	9/9 - Badge, Propulse
Trost	8/9 - Super Tin, EBDC*	8/24 - Veltyma, EBDC*	9/5 - Super Tin, EBDC*	9/9 - Badge, Propulse
Gulick	8/2 - Super Tin, EBDC*	8/14 - Veltyma, EBDC*	8/27 - Super Tin, EBDC*	9/9 - Badge, Propulse
Mininger	8/2 - Super Tin, EBDC*	8/14 - Veltyma, EBDC*	8/27 - Super Tin, EBDC*	9/9 - Badge, Propulse
SVREC	8/5 - Super Tin, EBDC*	8/21 - Veltyma, EBDC*	9/4 - Super Tin, EBDC*	9/9 - Badge, Propulse
Sylvester	8/5 - Super Tin, EBDC*	8/21 - Veltyma, EBDC*	9/4 - Super Tin, EBDC*	9/9 - Badge, Propulse
Schlicker	8/5 - Super Tin, EBDC*	8/21 - Veltyma, EBDC*	9/4 - Super Tin, EBDC*	9/9 - Badge, Propulse

EBDC* = Manzate Pro-Stick

**MasterLock included in all Treatments.

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