

Performance Data of RR Varieties Approved for the 2025 Season - Sorted by Variety

Variety	Yrs	Rev/Ton ++			Rev/Acre ++			Rec/Ton		Rec/Acre		Yield		Sugar		Molasses		Emergence +		Cerc. *		Aphan. *		Rhizoc. *		Fusarium *		Rzm *
		24	2 Yr	2Y%	24	2 Yr	2Y%	24	2 Yr	24	2 Yr	24	2 Yr	24	2 Yr	24	2 Yr	24	2 Yr	24	2 Yr	24	2 Yr	24	2 Yr	24	2 Yr	
Number of locations →		12	23		12	23		12	23	12	23	12	23	12	23	12	23	12	23	5	8	3	4	4	6	2	4	
Previous Approved																												
BTS 8018	3	59.82	59.38	100	2101	2031	105	336	342	11803	11710	35.1	34.3	17.81	18.12	1.01	1.01	84	81	3.4	2.9	3.7	3.8	3.7	3.9	2.2	2.7	MG
BTS 8034	3	55.87	55.87	94	1978	1937	100	324	331	11477	11491	35.4	34.7	17.35	17.69	1.15	1.13	85	83	3.7	3.1	4.5	4.1	4.4	4.2	1.9	2.3	MG
BTS 8156	2	58.42	58.63	99	2015	1953	101	332	340	11437	11321	34.4	33.4	17.66	18.05	1.07	1.06	82	79	3.9	3.2	4.3	4.1	4.3	4.1	2.2	2.5	MG
BTS 8226	1	63.19	62.13	105	2146	2046	105	346	351	11762	11540	34.0	32.9	18.27	18.49	0.96	0.95	82	78	3.5	2.9	3.8	3.8	3.5	3.6	2.6	3.2	MG
BTS 8270	1	60.32	60.23	101	2064	2015	104	338	345	11565	11542	34.3	33.5	17.92	18.29	1.04	1.04	79	79	3.3	2.9	3.8	3.8	3.9	3.8	2.4	2.9	MG
BTS 8328	NC	60.68	61.00	103	2045	2003	103	339	347	11420	11405	33.8	32.9	18.02	18.44	1.10	1.08	76	75	4.4	4.5	3.8	3.7	4.2	4.2	3.2	3.6	MG
BTS 8359**	NC	57.65	58.68	99	2009	1983	102	329	340	11490	11507	34.9	33.9	17.60	18.10	1.14	1.09	79	76	2.9	2.6	3.6	3.7	4.3	4.2	2.2	2.8	MG
BTS 8365	NC	64.51	63.88	107	2088	2034	105	350	356	11332	11337	32.3	31.8	18.46	18.77	0.94	0.95	81	78	4.2	4.2	3.9	3.7	3.6	3.6	2.1	2.8	MG
BTS 8927	4	62.78	61.67	104	2124	2036	105	345	349	11680	11536	33.9	33.1	18.22	18.44	0.97	0.97	85	84	4.5	4.4	4.4	3.8	3.6	3.8	2.1	2.6	MG
Crystal 022	3	62.44	62.21	105	2044	2010	104	344	351	11253	11343	32.7	32.4	18.20	18.54	1.00	0.99	80	79	4.7	4.8	4.0	3.8	3.6	3.7	2.7	3.1	MG
Crystal 130	2	60.31	60.40	102	2077	2043	105	338	345	11615	11694	34.4	33.9	17.90	18.27	1.03	1.01	81	80	3.6	3.1	3.7	3.9	3.5	3.6	2.8	3.2	MG
Crystal 137	2	59.19	59.25	100	1998	1960	101	334	342	11272	11306	33.7	33.1	17.79	18.16	1.09	1.07	82	81	3.8	3.2	3.8	4.0	4.1	4.0	2.5	2.6	MG
Crystal 138	1	59.07	59.16	100	2024	2004	103	334	342	11424	11556	34.2	33.8	17.77	18.14	1.08	1.06	78	76	4.7	4.8	3.8	4.0	3.7	3.7	3.0	3.4	MG
Crystal 260	1	61.19	60.00	101	2124	2043	105	340	344	11808	11719	34.8	34.1	18.00	18.20	0.99	1.00	86	82	3.1	2.6	4.1	4.0	3.7	3.6	2.4	2.9	MG
Crystal 262	1	56.82	57.46	97	2055	1994	103	327	336	11821	11665	36.2	34.7	17.38	17.83	1.03	1.01	72	74	4.4	4.4	3.6	4.1	3.4	3.4	3.2	3.5	MG
Crystal 269	1	62.80	62.39	105	2139	2036	105	345	352	11768	11477	34.1	32.7	18.33	18.67	1.08	1.09	77	73	4.5	4.5	3.5	3.6	4.3	4.1	2.5	3.3	MG
Crystal 360	NC	61.28	60.55	102	2008	1985	102	341	346	11134	11345	32.6	32.8	18.05	18.31	1.02	1.02	83	81	3.1	2.6	3.5	3.7	3.9	4.0	2.2	2.9	MG
Crystal 361	NC	61.10	61.51	103	2119	2065	106	340	349	11790	11717	34.7	33.7	18.00	18.44	1.01	0.99	80	78	3.3	2.8	3.8	3.6	3.8	3.7	2.0	2.6	MG
Crystal 364	NC	57.07	57.08	96	2081	2041	105	328	335	11951	11992	36.5	35.9	17.47	17.84	1.09	1.09	84	81	4.5	4.4	3.8	3.8	3.8	3.8	2.1	2.6	MG
Crystal 369	NC	60.59	60.73	102	2101	2043	105	338	346	11724	11653	34.6	33.7	18.04	18.44	1.13	1.11	81	80	4.0	3.9	3.5	3.7	4.7	4.4	2.3	2.7	MG
Crystal 793	6	60.73	60.00	101	2092	2037	105	339	344	11657	11675	34.3	33.9	17.95	18.22	1.01	1.01	82	81	4.3	4.2	3.7	4.0	3.9	4.1	2.4	2.9	MG
Crystal 912	3	53.33	54.87	92	2035	2030	105	316	328	12049	12145	38.0	37.0	16.92	17.48	1.10	1.06	84	83	5.1	5.0	3.6	3.5	3.5	3.5	3.5	3.6	MG
Hilleshög HIL2386	2	56.84	57.01	96	1942	1889	97	327	335	11159	11098	34.1	33.2	17.45	17.82	1.09	1.07	77	78	4.9	4.6	4.5	4.4	4.3	4.1	3.1	3.6	MG
Hilleshög HIL2389	2	60.09	59.65	100	2062	2005	103	337	343	11541	11531	34.2	33.6	17.85	18.16	1.01	1.00	84	82	4.6	4.5	3.6	4.5	4.1	4.3	5.5	5.5	MG
Hilleshög HIL2479	NC	60.58	60.47	102	1868	1865	96	338	346	10451	10669	31.0	30.9	17.97	18.32	1.07	1.05	77	77	4.2	4.2	4.8	4.6	4.2	3.8	4.6	4.5	MG
Hilleshög HIL2480**	NC	58.26	58.75	99	1886	1851	95	331	340	10727	10747	32.4	31.7	17.77	18.19	1.20	1.18	78	79	4.1	4.0	4.4	4.4	3.7	3.7	3.1	3.2	MG
Hilleshög HIL9920	6	58.88	58.75	99	1981	1930	99	333	340	11176	11154	33.4	32.8	17.74	18.07	1.08	1.06	76	76	5.1	5.1	4.1	4.8	4.6	4.5	6.3	6.2	MG
Maribo MA717	6	55.81	56.54	95	1978	1925	99	324	333	11477	11359	35.4	34.1	17.27	17.71	1.07	1.03	80	80	4.9	4.9	4.2	4.4	4.2	4.1	4.4	4.4	MG
SV 203	3	60.22	59.93	101	2070	2021	104	337	344	11581	11590	34.3	33.7	17.88	18.20	1.02	1.01	81	81	4.7	4.7	3.7	5.4	4.2	4.2	5.7	5.5	MG
SV 231	NC	56.57	57.45	97	2116	2040	105	326	336	12175	11929	37.2	35.5	17.38	17.86	1.07	1.04	82	80	4.8	4.8	4.4	5.3	3.7	3.7	4.6	4.4	MG
SX 1815	2	60.37	60.04	101	2070	2033	105	338	344	11563	11653	34.2	33.9	17.90	18.21	1.02	1.00	83	82	4.7	4.7	4.0	5.1	4.3	4.3	5.5	5.6	MG
SX 1818	2	56.91	57.40	97	2004	1981	102	327	336	11521	11610	35.2	34.6	17.43	17.85	1.07	1.04	78	78	4.6	4.6	4.5	5.8	4.4	4.2	4.3	4.5	MG
SX 1835**	NC	55.96	57.27	96	2060	2014	104	324	336	11937	11809	36.8	35.2	17.36	17.90	1.15	1.12	85	82	4.7	4.6	4.3	5.1	4.1	3.8	3.5	3.7	MG
Benchmark var. mean		59.65	59.44		2020	1940		336	342	11354	11176	33.8	32.7	17.83	18.19	1.05	1.06	84	80									

Excellent	V.Good	Caution	Weak
-----------	--------	---------	------

+++ 2024 Sites include Casselton, Averill, Ada, Hillsboro, Climax, Grand Forks, Scandia, Forest River, Alvarado, St Thomas, Hallock, and Bathgate

Created 10/25/2024

+++ 2023 Sites include Casselton, Perley, Halstad, Reynolds, Climax, Grand Forks, Scandia, East Grand Forks, Stephen, St. Thomas, and Bathgate

** 2024 Revenue estimate based on a \$54.53 beet payment (5-yr ave) at 17.5% crop with a 1.5% loss to molasses and 2023 revenue estimate based on a \$50.09 beet payment. Revenue does not consider hauling or production costs.

+ Emergence is % of planted seeds producing a 4 leaf beet.

** Does not meet Full Market Approval. Meets Aphanomyces and/or Rhizoctonia Specialty Approval.

* 2024 Cercospora from Saginaw MI, Randolph MN, Foxhome MN, Averill MN and Forest River ND (res.<4.4, susc>5.0). Aphanomyces ratings from Shakopee MN, Glyndon MN, and Perley MN (res.<4.0, susc>4.8).

Rhizoctonia from Saginaw MI, Moorhead MN and Crookston MN (res.<3.8, susc>5). Fusarium from Moorhead MN and Sabin MN (res.<3.0, susc>5.0). MG indicates muligenic resistance to Rhizomania.

* 2023 Cercospora ratings from Saginaw MI, Foxhome MN, and East Grand Forks, MN (res.<4.4, susc>5.0). Aphanomyces ratings from Shakopee MN (res.<4.0, susc>4.8).

Rhizoctonia ratings from Crookston MN and Saginaw MI (res.<3.8, susc>5). Fusarium ratings from Moorhead MN and Sabin MN (res.<3.0, susc>5.0). MG indicates muligenic resistance to Rhizomania.

Performance Data of RR Varieties Approved for the 2025 Season - Sorted by Revenue/Ton

Variety	Yrs Com	Rev/Ton ++			Rev/Acre ++			Rec/Ton		Rec/Acre		Yield		Sugar		Molasses		Emergence +		Cerc. *		Aphan. *		Rhizoc. *		Fusarium *		Rzm *
		24	2 Yr	2Y%	24	2 Yr	2Y%	24	2 Yr	24	2 Yr	24	2 Yr	24	2 Yr	24	2 Yr	24	2 Yr	24	2 Yr	24	2 Yr	24	2 Yr	24	2 Yr	
Number of locations →		12	23		12	23		12	23	12	23	12	23	12	23	12	23	12	23	5	8	3	4	4	6	2	4	
Previous Approved																												
BTS 8365	NC	64.51	63.88	107	2088	2034	105	350	356	11332	11337	32.3	31.8	18.46	18.77	0.94	0.95	81	78	4.2	4.2	3.9	3.7	3.6	3.6	2.1	2.8	MG
Crystal 269	1	62.80	62.39	105	2139	2036	105	345	352	11768	11477	34.1	32.7	18.33	18.67	1.08	1.09	77	73	4.5	4.5	3.5	3.6	4.3	4.1	2.5	3.3	MG
Crystal 022	3	62.44	62.21	105	2044	2010	104	344	351	11253	11343	32.7	32.4	18.20	18.54	1.00	0.99	80	79	4.7	4.8	4.0	3.8	3.6	3.7	2.7	3.1	MG
BTS 8226	1	63.19	62.13	105	2146	2046	105	346	351	11762	11540	34.0	32.9	18.27	18.49	0.96	0.95	82	78	3.5	2.9	3.8	3.8	3.5	3.6	2.6	3.2	MG
BTS 8927	4	62.78	61.67	104	2124	2036	105	345	349	11680	11536	33.9	33.1	18.22	18.44	0.97	0.97	85	84	4.5	4.4	4.4	3.8	3.6	3.8	2.1	2.6	MG
Crystal 361	NC	61.10	61.51	103	2119	2065	106	340	349	11790	11717	34.7	33.7	18.00	18.44	1.01	0.99	80	78	3.3	2.8	3.8	3.6	3.8	3.7	2.0	2.6	MG
BTS 8328	NC	60.68	61.00	103	2045	2003	103	339	347	11420	11405	33.8	32.9	18.02	18.44	1.10	1.08	76	75	4.4	4.5	3.8	3.7	4.2	4.2	3.2	3.6	MG
Crystal 369	NC	60.59	60.73	102	2101	2043	105	338	346	11724	11653	34.6	33.7	18.04	18.44	1.13	1.11	81	80	4.0	3.9	3.5	3.7	4.7	4.4	2.3	2.7	MG
Crystal 360	NC	61.28	60.55	102	2008	1985	102	341	346	11134	11345	32.6	32.8	18.05	18.31	1.02	1.02	83	81	3.1	2.6	3.5	3.7	3.9	4.0	2.2	2.9	MG
Hilleshög HIL2479	NC	60.58	60.47	102	1868	1865	96	338	346	10451	10669	31.0	30.9	17.97	18.32	1.07	1.05	77	77	4.2	4.2	4.8	4.6	4.2	3.8	4.6	4.5	MG
Crystal 130	2	60.31	60.40	102	2077	2043	105	338	345	11615	11694	34.4	33.9	17.90	18.27	1.03	1.01	81	80	3.6	3.1	3.7	3.9	3.5	3.6	2.8	3.2	MG
BTS 8270	1	60.32	60.23	101	2064	2015	104	338	345	11565	11542	34.3	33.5	17.92	18.29	1.04	1.04	79	79	3.3	2.9	3.8	3.8	3.9	3.8	2.4	2.9	MG
SX 1815	2	60.37	60.04	101	2070	2033	105	338	344	11563	11653	34.2	33.9	17.90	18.21	1.02	1.00	83	82	4.7	4.7	4.0	5.1	4.3	4.3	5.5	5.6	MG
Crystal 260	1	61.19	60.00	101	2124	2043	105	340	344	11808	11719	34.8	34.1	18.00	18.20	0.99	1.00	86	82	3.1	2.6	4.1	4.0	3.7	3.6	2.4	2.9	MG
Crystal 793	6	60.73	60.00	101	2092	2037	105	339	344	11657	11675	34.3	33.9	17.95	18.22	1.01	1.01	82	81	4.3	4.2	3.7	4.0	3.9	4.1	2.4	2.9	MG
SV 203	3	60.22	59.93	101	2070	2021	104	337	344	11581	11590	34.3	33.7	17.88	18.20	1.02	1.01	81	81	4.7	4.7	3.7	5.4	4.2	4.2	5.7	5.5	MG
Hilleshög HIL2389	2	60.09	59.65	100	2062	2005	103	337	343	11541	11531	34.2	33.6	17.85	18.16	1.01	1.00	84	82	4.6	4.5	3.6	4.5	4.1	4.3	5.5	5.5	MG
BTS 8018	3	59.82	59.38	100	2101	2031	105	336	342	11803	11710	35.1	34.3	17.81	18.12	1.01	1.01	84	81	3.4	2.9	3.7	3.8	3.7	3.9	2.2	2.7	MG
Crystal 137	2	59.19	59.25	100	1998	1960	101	334	342	11272	11306	33.7	33.1	17.79	18.16	1.09	1.07	82	81	3.8	3.2	3.8	4.0	4.1	4.0	2.5	2.6	MG
Crystal 138	1	59.07	59.16	100	2024	2004	103	334	342	11424	11556	34.2	33.8	17.77	18.14	1.08	1.06	78	76	4.7	4.8	3.8	4.0	3.7	3.7	3.0	3.4	MG
Hilleshög HIL2480**	NC	58.26	58.75	99	1886	1851	95	331	340	10727	10747	32.4	31.7	17.77	18.19	1.20	1.18	78	79	4.1	4.0	4.4	4.4	3.7	3.7	3.1	3.2	MG
Hilleshög HIL9920	6	58.88	58.75	99	1981	1930	99	333	340	11176	11154	33.4	32.8	17.74	18.07	1.08	1.06	76	76	5.1	5.1	4.1	4.8	4.6	4.5	6.3	6.2	MG
BTS 8359**	NC	57.65	58.68	99	2009	1983	102	329	340	11490	11507	34.9	33.9	17.60	18.10	1.14	1.09	79	76	2.9	2.6	3.6	3.7	4.3	4.2	2.2	2.8	MG
BTS 8156	2	58.42	58.63	99	2015	1953	101	332	340	11437	11321	34.4	33.4	17.66	18.05	1.07	1.06	82	79	3.9	3.2	4.3	4.1	4.3	4.1	2.2	2.5	MG
Crystal 262	1	56.82	57.46	97	2055	1994	103	327	336	11821	11665	36.2	34.7	17.38	17.83	1.03	1.01	72	74	4.4	4.4	3.6	4.1	3.4	3.4	3.2	3.5	MG
SV 231	NC	56.57	57.45	97	2116	2040	105	326	336	12175	11929	37.2	35.5	17.38	17.86	1.07	1.04	82	80	4.8	4.8	4.4	5.3	3.7	3.7	4.6	4.4	MG
SX 1818	2	56.91	57.40	97	2004	1981	102	327	336	11521	11610	35.2	34.6	17.43	17.85	1.07	1.04	78	78	4.6	4.6	4.5	5.8	4.4	4.2	4.3	4.5	MG
SX 1835**	NC	55.96	57.27	96	2060	2014	104	324	336	11937	11809	36.8	35.2	17.36	17.90	1.15	1.12	85	82	4.7	4.6	4.3	5.1	4.1	3.8	3.5	3.7	MG
Crystal 364	NC	57.07	57.08	96	2081	2041	105	328	335	11951	11992	36.5	35.9	17.47	17.84	1.09	1.09	84	81	4.5	4.4	3.8	3.8	3.8	3.8	2.1	2.6	MG
Hilleshög HIL2386	2	56.84	57.01	96	1942	1889	97	327	335	11159	11098	34.1	33.2	17.45	17.82	1.09	1.07	77	78	4.9	4.6	4.5	4.4	4.3	4.1	3.1	3.6	MG
Maribo MA717	6	55.81	56.54	95	1978	1925	99	324	333	11477	11359	35.4	34.1	17.27	17.71	1.07	1.03	80	80	4.9	4.9	4.2	4.4	4.2	4.1	4.4	4.4	MG
BTS 8034	3	55.87	55.87	94	1978	1937	100	324	331	11477	11491	35.4	34.7	17.35	17.69	1.15	1.13	85	83	3.7	3.1	4.5	4.1	4.4	4.2	1.9	2.3	MG
Crystal 912	3	53.33	54.87	92	2035	2030	105	316	328	12049	12145	38.0	37.0	16.92	17.48	1.10	1.06	84	83	5.1	5.0	3.6	3.5	3.5	3.5	3.5	3.6	MG
Benchmark var. mean		59.65	59.44		2020	1940		336	342	11354	11176	33.8	32.7	17.83	18.19	1.05	1.06	84	80									

Excellent
V.Good
Caution
Weak

+++ 2024 Sites include Casselton, Averill, Ada, Hillsboro, Climax, Grand Forks, Scandia, Forest River, Alvarado, St Thomas, Hallock, and Bathgate

Created 10/25/2024

+++ 2023 Sites include Casselton, Perley, Halstad, Reynolds, Climax, Grand Forks, Scandia, East Grand Forks, Stephen, St. Thomas, and Bathgate

++ 2024 Revenue estimate based on a \$54.53 beet payment (5-yr ave) at 17.5% crop with a 1.5% loss to molasses and 2023 revenue estimate based on a \$50.09 beet payment. Revenue does not consider hauling or production costs.

+ Emergence is % of planted seeds producing a 4 leaf beet.

** Does not meet Full Market Approval. Meets Aphanomyces and/or Rhizoctonia Specialty Approval.

* 2024 Cercospora from Saginaw MI, Randolph MN, Foxhome MN, Averill MN and Forest River ND (res.<4.4, susc>5.0). Aphanomyces ratings from Shakopee MN, Glyndon MN, and Perley MN (res.<4.0, susc>4.8).

Rhizoctonia from Saginaw MI, Moorhead MN and Crookston MN (res.<3.8, susc>5). Fusarium from Moorhead MN and Sabin MN (res.<3.0, susc>5.0). MG indicates muligenic resistance to Rhizomania.

* 2023 Cercospora ratings from Saginaw MI, Foxhome MN, and East Grand Forks, MN (res.<4.4, susc>5.0). Aphanomyces ratings from Shakopee MN (res.<4.0, susc>4.8).

Rhizoctonia ratings from Crookston MN and Saginaw MI (res.<3.8, susc>5). Fusarium ratings from Moorhead MN and Sabin MN (res.<3.0, susc>5.0). MG indicates muligenic resistance to Rhizomania.

Performance Data of RR Varieties Approved for the 2025 Season - Sorted by Revenue/Acre

Variety	Yrs	Rev/Ton ++			Rev/Acre ++			Rec/Ton		Rec/Acre		Yield		Sugar		Molasses		Emergence +		Cerc. *		Aphan. *		Rhizoc. *		Fusarium *		Rzm *	
		Com	24	2 Yr	2Y%	24	2 Yr	2Y%	24	2 Yr	24	2 Yr	24	2 Yr	24	2 Yr	24	2 Yr	24	2 Yr	24	2 Yr	24	2 Yr	24	2 Yr	24		2 Yr
Number of locations →		12	23		12	23		12	23	12	23	12	23	12	23	12	23	12	23	5	8	3	4	4	6	2	4		
Previous Approved																													
Crystal 361	NC	61.10	61.51	103	2119	2065	106	340	349	11790	11717	34.7	33.7	18.00	18.44	1.01	0.99	80	78	3.3	2.8	3.8	3.6	3.8	3.7	2.0	2.6	MG	
BTS 8226	1	63.19	62.13	105	2146	2046	105	346	351	11762	11540	34.0	32.9	18.27	18.49	0.96	0.95	82	78	3.5	2.9	3.8	3.8	3.5	3.6	2.6	3.2	MG	
Crystal 130	2	60.31	60.40	102	2077	2043	105	338	345	11615	11694	34.4	33.9	17.90	18.27	1.03	1.01	81	80	3.6	3.1	3.7	3.9	3.5	3.6	2.8	3.2	MG	
Crystal 260	1	61.19	60.00	101	2124	2043	105	340	344	11808	11719	34.8	34.1	18.00	18.20	0.99	1.00	86	82	3.1	2.6	4.1	4.0	3.7	3.6	2.4	2.9	MG	
Crystal 369	NC	60.59	60.73	102	2101	2043	105	338	346	11724	11653	34.6	33.7	18.04	18.44	1.13	1.11	81	80	4.0	3.9	3.5	3.7	4.7	4.4	2.3	2.7	MG	
Crystal 364	NC	57.07	57.08	96	2081	2041	105	328	335	11951	11992	36.5	35.9	17.47	17.84	1.09	1.09	84	81	4.5	4.4	3.8	3.8	3.8	3.8	2.1	2.6	MG	
SV 231	NC	56.57	57.45	97	2116	2040	105	326	336	12175	11929	37.2	35.5	17.38	17.86	1.07	1.04	82	80	4.8	4.8	4.4	5.3	3.7	3.7	4.6	4.4	MG	
Crystal 793	6	60.73	60.00	101	2092	2037	105	339	344	11657	11675	34.3	33.9	17.95	18.22	1.01	1.01	82	81	4.3	4.2	3.7	4.0	3.9	4.1	2.4	2.9	MG	
BTS 8927	4	62.78	61.67	104	2124	2036	105	345	349	11680	11536	33.9	33.1	18.22	18.44	0.97	0.97	85	84	4.5	4.4	4.4	3.8	3.6	3.8	2.1	2.6	MG	
Crystal 269	1	62.80	62.39	105	2139	2036	105	345	352	11768	11477	34.1	32.7	18.33	18.67	1.08	1.09	77	73	4.5	4.5	3.5	3.6	4.3	4.1	2.5	3.3	MG	
BTS 8365	NC	64.51	63.88	107	2088	2034	105	350	356	11332	11337	32.3	31.8	18.46	18.77	0.94	0.95	81	78	4.2	4.2	3.9	3.7	3.6	3.6	2.1	2.8	MG	
SX 1815	2	60.37	60.04	101	2070	2033	105	338	344	11563	11653	34.2	33.9	17.90	18.21	1.02	1.00	83	82	4.7	4.7	4.0	5.1	4.3	4.3	5.5	5.6	MG	
BTS 8018	3	59.82	59.38	100	2101	2031	105	336	342	11803	11710	35.1	34.3	17.81	18.12	1.01	1.01	84	81	3.4	2.9	3.7	3.8	3.7	3.9	2.2	2.7	MG	
Crystal 912	3	53.33	54.87	92	2035	2030	105	316	328	12049	12145	38.0	37.0	16.92	17.48	1.10	1.06	84	83	5.1	5.0	3.6	3.5	3.5	3.5	3.5	3.6	MG	
SV 203	3	60.22	59.93	101	2070	2021	104	337	344	11581	11590	34.3	33.7	17.88	18.20	1.02	1.01	81	81	4.7	4.7	3.7	5.4	4.2	4.2	5.7	5.5	MG	
BTS 8270	1	60.32	60.23	101	2064	2015	104	338	345	11565	11542	34.3	33.5	17.92	18.29	1.04	1.04	79	79	3.3	2.9	3.8	3.8	3.9	3.8	2.4	2.9	MG	
SX 1835**	NC	55.96	57.27	96	2060	2014	104	324	336	11937	11809	36.8	35.2	17.36	17.90	1.15	1.12	85	82	4.7	4.6	4.3	5.1	4.1	3.8	3.5	3.7	MG	
Crystal 022	3	62.44	62.21	105	2044	2010	104	344	351	11253	11343	32.7	32.4	18.20	18.54	1.00	0.99	80	79	4.7	4.8	4.0	3.8	3.6	3.7	2.7	3.1	MG	
Hilleshög HIL2389	2	60.09	59.65	100	2062	2005	103	337	343	11541	11531	34.2	33.6	17.85	18.16	1.01	1.00	84	82	4.6	4.5	3.6	4.5	4.1	4.3	5.5	5.5	MG	
Crystal 138	1	59.07	59.16	100	2024	2004	103	334	342	11424	11556	34.2	33.8	17.77	18.14	1.08	1.06	78	76	4.7	4.8	3.8	4.0	3.7	3.7	3.0	3.4	MG	
BTS 8328	NC	60.68	61.00	103	2045	2003	103	339	347	11420	11405	33.8	32.9	18.02	18.44	1.10	1.08	76	75	4.4	4.5	3.8	3.7	4.2	4.2	3.2	3.6	MG	
Crystal 262	1	56.82	57.46	97	2055	1994	103	327	336	11821	11665	36.2	34.7	17.38	17.83	1.03	1.01	72	74	4.4	4.4	3.6	4.1	3.4	3.4	3.2	3.5	MG	
Crystal 360	NC	61.28	60.55	102	2008	1985	102	341	346	11134	11345	32.6	32.8	18.05	18.31	1.02	1.02	83	81	3.1	2.6	3.5	3.7	3.9	4.0	2.2	2.9	MG	
BTS 8359**	NC	57.65	58.68	99	2009	1983	102	329	340	11490	11507	34.9	33.9	17.60	18.10	1.14	1.09	79	76	2.9	2.6	3.6	3.7	4.3	4.2	2.2	2.8	MG	
SX 1818	2	56.91	57.40	97	2004	1981	102	327	336	11521	11610	35.2	34.6	17.43	17.85	1.07	1.04	78	78	4.6	4.6	4.5	5.8	4.4	4.2	4.3	4.5	MG	
Crystal 137	2	59.19	59.25	100	1998	1960	101	334	342	11272	11306	33.7	33.1	17.79	18.16	1.09	1.07	82	81	3.8	3.2	3.8	4.0	4.1	4.0	2.5	2.6	MG	
BTS 8156	2	58.42	58.63	99	2015	1953	101	332	340	11437	11321	34.4	33.4	17.66	18.05	1.07	1.06	82	79	3.9	3.2	4.3	4.1	4.3	4.1	2.2	2.5	MG	
BTS 8034	3	55.87	55.87	94	1978	1937	100	324	331	11477	11491	35.4	34.7	17.35	17.69	1.15	1.13	85	83	3.7	3.1	4.5	4.1	4.4	4.2	1.9	2.3	MG	
Hilleshög HIL9920	6	58.88	58.75	99	1981	1930	99	333	340	11176	11154	33.4	32.8	17.74	18.07	1.08	1.06	76	76	5.1	5.1	4.1	4.8	4.6	4.5	6.3	6.2	MG	
Maribo MA717	6	55.81	56.54	95	1978	1925	99	324	333	11477	11359	35.4	34.1	17.27	17.71	1.07	1.03	80	80	4.9	4.9	4.2	4.4	4.2	4.1	4.4	4.4	MG	
Hilleshög HIL2386	2	56.84	57.01	96	1942	1889	97	327	335	11159	11098	34.1	33.2	17.45	17.82	1.09	1.07	77	78	4.9	4.6	4.5	4.4	4.3	4.1	3.1	3.6	MG	
Hilleshög HIL2479	NC	60.58	60.47	102	1868	1865	96	338	346	10451	10669	31.0	30.9	17.97	18.32	1.07	1.05	77	77	4.2	4.2	4.8	4.6	4.2	3.8	4.6	4.5	MG	
Hilleshög HIL2480**	NC	58.26	58.75	99	1886	1851	95	331	340	10727	10747	32.4	31.7	17.77	18.19	1.20	1.18	78	79	4.1	4.0	4.4	4.4	3.7	3.7	3.1	3.2	MG	
Benchmark var. mean		59.65	59.44		2020	1940		336	342	11354	11176	33.8	32.7	17.83	18.19	1.05	1.06	84	80										

Excellent	V.Good	Caution	Weak
-----------	--------	---------	------

+++ 2024 Sites include Casselton, Averill, Ada, Hillsboro, Climax, Grand Forks, Scandia, Forest River, Alvarado, St Thomas, Hallock, and Bathgate
 +++ 2023 Sites include Casselton, Perley, Halstad, Reynolds, Climax, Grand Forks, Scandia, East Grand Forks, Stephen, St. Thomas, and Bathgate
 ++ 2024 Revenue estimate based on a \$54.53 beet payment (5-yr ave) at 17.5% crop with a 1.5% loss to molasses and 2023 revenue estimate based on a \$50.09 beet payment. Revenue does not consider hauling or production costs.
 + Emergence is % of planted seeds producing a 4 leaf beet.
 ** Does not meet Full Market Approval. Meets Aphanomyces and/or Rhizoctonia Specialty Approval.
 * 2024 Cercospora from Saginaw MI, Randolph MN, Foxhome MN, Averill MN and Forest River ND (res.<4.4, susc>5.0). Aphanomyces ratings from Shakopee MN, Glyndon MN, and Perley MN (res.<4.0, susc>4.8). Rhizoctonia from Saginaw MI, Moorhead MN and Crookston MN (res.<3.8, susc>5). Fusarium from Moorhead MN and Sabin MN (res.<3.0, susc>5.0). MG indicates muligenic resistance to Rhizomania.
 * 2023 Cercospora ratings from Saginaw MI, Foxhome MN, and East Grand Forks, MN (res.<4.4, susc>5.0). Aphanomyces ratings from Shakopee MN (res.<4.0, susc>4.8). Rhizoctonia ratings from Crookston MN and Saginaw MI (res.<3.8, susc>5). Fusarium ratings from Moorhead MN and Sabin MN (res.<3.0, susc>5.0). MG indicates muligenic resistance to Rhizomania.

Performance Data of RR Varieties Approved for the 2025 Season - Sorted by Cercospora

Variety	Yrs Com	Rev/Ton ++			Rev/Acre ++			Rec/Ton		Rec/Acre		Yield		Sugar		Molasses		Emergence +		Cerc. *		Aphan. *		Rhizoc. *		Fusarium *		Rzm *	
		24	2 Yr	2Y%	24	2 Yr	2Y%	24	2 Yr	24	2 Yr	24	2 Yr	24	2 Yr	24	2 Yr	24	2 Yr	24	2 Yr	24	2 Yr	24	2 Yr	24	2 Yr		
Number of locations →		12	23		12	23		12	23	12	23	12	23	12	23	12	23	12	23	5	8	3	4	4	6	2	4		
Previous Approved																													
BTS 8359**	NC	57.65	58.68	99	2009	1983	102	329	340	11490	11507	34.9	33.9	17.60	18.10	1.14	1.09	79	76	2.9	2.6	3.6	3.7	4.3	4.2	2.2	2.8	MG	
Crystal 360	NC	61.28	60.55	102	2008	1985	102	341	346	11134	11345	32.6	32.8	18.05	18.31	1.02	1.02	83	81	3.1	2.6	3.5	3.7	3.9	4.0	2.2	2.9	MG	
Crystal 260	1	61.19	60.00	101	2124	2043	105	340	344	11808	11719	34.8	34.1	18.00	18.20	0.99	1.00	86	82	3.1	2.6	4.1	4.0	3.7	3.6	2.4	2.9	MG	
Crystal 361	NC	61.10	61.51	103	2119	2065	106	340	349	11790	11717	34.7	33.7	18.00	18.44	1.01	0.99	80	78	3.3	2.8	3.8	3.6	3.8	3.7	2.0	2.6	MG	
BTS 8270	1	60.32	60.23	101	2064	2015	104	338	345	11565	11542	34.3	33.5	17.92	18.29	1.04	1.04	79	79	3.3	2.9	3.8	3.8	3.9	3.8	2.4	2.9	MG	
BTS 8018	3	59.82	59.38	100	2101	2031	105	336	342	11803	11710	35.1	34.3	17.81	18.12	1.01	1.01	84	81	3.4	2.9	3.7	3.8	3.7	3.9	2.2	2.7	MG	
BTS 8226	1	63.19	62.13	105	2146	2046	105	346	351	11762	11540	34.0	32.9	18.27	18.49	0.96	0.95	82	78	3.5	2.9	3.8	3.8	3.5	3.6	2.6	3.2	MG	
Crystal 130	2	60.31	60.40	102	2077	2043	105	338	345	11615	11694	34.4	33.9	17.90	18.27	1.03	1.01	81	80	3.6	3.1	3.7	3.9	3.5	3.6	2.8	3.2	MG	
BTS 8034	3	55.87	55.87	94	1978	1937	100	324	331	11477	11491	35.4	34.7	17.35	17.69	1.15	1.13	85	83	3.7	3.1	4.5	4.1	4.4	4.2	1.9	2.3	MG	
BTS 8156	2	58.42	58.63	99	2015	1953	101	332	340	11437	11321	34.4	33.4	17.66	18.05	1.07	1.06	82	79	3.9	3.2	4.3	4.1	4.3	4.1	2.2	2.5	MG	
Crystal 137	2	59.19	59.25	100	1998	1960	101	334	342	11272	11306	33.7	33.1	17.79	18.16	1.09	1.07	82	81	3.8	3.2	3.8	4.0	4.1	4.0	2.5	2.6	MG	
Crystal 369	NC	60.59	60.73	102	2101	2043	105	338	346	11724	11653	34.6	33.7	18.04	18.44	1.13	1.11	81	80	4.0	3.9	3.5	3.7	4.7	4.4	2.3	2.7	MG	
Hilleshög HIL2480**	NC	58.26	58.75	99	1886	1851	95	331	340	10727	10747	32.4	31.7	17.77	18.19	1.20	1.18	78	79	4.1	4.0	4.4	4.4	3.7	3.7	3.1	3.2	MG	
BTS 8365	NC	64.51	63.88	107	2088	2034	105	350	356	11332	11337	32.3	31.8	18.46	18.77	0.94	0.95	81	78	4.2	4.2	3.9	3.7	3.6	3.6	2.1	2.8	MG	
Hilleshög HIL2479	NC	60.58	60.47	102	1868	1865	96	338	346	10451	10669	31.0	30.9	17.97	18.32	1.07	1.05	77	77	4.2	4.2	4.8	4.6	4.2	3.8	4.6	4.5	MG	
Crystal 793	6	60.73	60.00	101	2092	2037	105	339	344	11657	11675	34.3	33.9	17.95	18.22	1.01	1.01	82	81	4.3	4.2	3.7	4.0	3.9	4.1	2.4	2.9	MG	
Crystal 364	NC	57.07	57.08	96	2081	2041	105	328	335	11951	11992	36.5	35.9	17.47	17.84	1.09	1.09	84	81	4.5	4.4	3.8	3.8	3.8	3.8	2.1	2.6	MG	
Crystal 262	1	56.82	57.46	97	2055	1994	103	327	336	11821	11665	36.2	34.7	17.38	17.83	1.03	1.01	72	74	4.4	4.4	3.6	4.1	3.4	3.4	3.2	3.5	MG	
BTS 8927	4	62.78	61.67	104	2124	2036	105	345	349	11680	11536	33.9	33.1	18.22	18.44	0.97	0.97	85	84	4.5	4.4	4.4	3.8	3.6	3.8	2.1	2.6	MG	
Crystal 269	1	62.80	62.39	105	2139	2036	105	345	352	11768	11477	34.1	32.7	18.33	18.67	1.08	1.09	77	73	4.5	4.5	3.5	3.6	4.3	4.1	2.5	3.3	MG	
BTS 8328	NC	60.68	61.00	103	2045	2003	103	339	347	11420	11405	33.8	32.9	18.02	18.44	1.10	1.08	76	75	4.4	4.5	3.8	3.7	4.2	4.2	3.2	3.6	MG	
Hilleshög HIL2389	2	60.09	59.65	100	2062	2005	103	337	343	11541	11531	34.2	33.6	17.85	18.16	1.01	1.00	84	82	4.6	4.5	3.6	4.5	4.1	4.3	5.5	5.5	MG	
Hilleshög HIL2386	2	56.84	57.01	96	1942	1889	97	327	335	11159	11098	34.1	33.2	17.45	17.82	1.09	1.07	77	78	4.9	4.6	4.5	4.4	4.3	4.1	3.1	3.6	MG	
SX 1818	2	56.91	57.40	97	2004	1981	102	327	336	11521	11610	35.2	34.6	17.43	17.85	1.07	1.04	78	78	4.6	4.6	4.5	5.8	4.4	4.2	4.3	4.5	MG	
SX 1835**	NC	55.96	57.27	96	2060	2014	104	324	336	11937	11809	36.8	35.2	17.36	17.90	1.15	1.12	85	82	4.7	4.6	4.3	5.1	4.1	3.8	3.5	3.7	MG	
SV 203	3	60.22	59.93	101	2070	2021	104	337	344	11581	11590	34.3	33.7	17.88	18.20	1.02	1.01	81	81	4.7	4.7	3.7	5.4	4.2	4.2	5.7	5.5	MG	
SX 1815	2	60.37	60.04	101	2070	2033	105	338	344	11563	11653	34.2	33.9	17.90	18.21	1.02	1.00	83	82	4.7	4.7	4.0	5.1	4.3	4.3	5.5	5.6	MG	
Crystal 138	1	59.07	59.16	100	2024	2004	103	334	342	11424	11556	34.2	33.8	17.77	18.14	1.08	1.06	78	76	4.7	4.8	3.8	4.0	3.7	3.7	3.0	3.4	MG	
SV 231	NC	56.57	57.45	97	2116	2040	105	326	336	12175	11929	37.2	35.5	17.38	17.86	1.07	1.04	82	80	4.8	4.8	4.4	5.3	3.7	3.7	4.6	4.4	MG	
Crystal 022	3	62.44	62.21	105	2044	2010	104	344	351	11253	11343	32.7	32.4	18.20	18.54	1.00	0.99	80	79	4.7	4.8	4.0	3.8	3.6	3.7	2.7	3.1	MG	
Maribo MA717	6	55.81	56.54	95	1978	1925	99	324	333	11477	11359	35.4	34.1	17.27	17.71	1.07	1.03	80	80	4.9	4.9	4.2	4.4	4.2	4.1	4.4	4.4	MG	
Crystal 912	3	53.33	54.87	92	2035	2030	105	316	328	12049	12145	38.0	37.0	16.92	17.48	1.10	1.06	84	83	5.1	5.0	3.6	3.5	3.5	3.5	3.5	3.6	MG	
Hilleshög HIL9920	6	58.88	58.75	99	1981	1930	99	333	340	11176	11154	33.4	32.8	17.74	18.07	1.08	1.06	76	76	5.1	5.1	4.1	4.8	4.6	4.5	6.3	6.2	MG	
Benchmark var. mean		59.65	59.44		2020	1940		336	342	11354	11176	33.8	32.7	17.83	18.19	1.05	1.06	84	80										



+++ 2024 Sites include Casselton, Averill, Ada, Hillsboro, Climax, Grand Forks, Scandia, Forest River, Alvarado, St Thomas, Hallock, and Bathgate

Created 10/25/2024

+++ 2023 Sites include Casselton, Perley, Halstad, Reynolds, Climax, Grand Forks, Scandia, East Grand Forks, Stephen, St. Thomas, and Bathgate

++ 2024 Revenue estimate based on a \$54.53 beet payment (5-yr ave) at 17.5% crop with a 1.5% loss to molasses and 2023 revenue estimate based on a \$50.09 beet payment. Revenue does not consider hauling or production costs.

+ Emergence is % of planted seeds producing a 4 leaf beet.

** Does not meet Full Market Approval. Meets Aphanomyces and/or Rhizoctonia Specialty Approval.

* 2024 Cercospora from Saginaw MI, Randolph MN, Foxhome MN, Averill MN and Forest River ND (res.<4.4, susc>5.0). Aphanomyces ratings from Shakopee MN, Glyndon MN, and Perley MN (res.<4.0, susc>4.8).

Rhizoctonia from Saginaw MI, Moorhead MN and Crookston MN (res.<3.8, susc>5). Fusarium from Moorhead MN and Sabin MN (res.<3.0, susc>5.0). MG indicates muligenic resistance to Rhizomania.

* 2023 Cercospora ratings from Saginaw MI, Foxhome MN, and East Grand Forks, MN (res.<4.4, susc>5.0). Aphanomyces ratings from Shakopee MN (res.<4.0, susc>4.8).

Rhizoctonia ratings from Crookston MN and Saginaw MI (res.<3.8, susc>5). Fusarium ratings from Moorhead MN and Sabin MN (res.<3.0, susc>5.0). MG indicates muligenic resistance to Rhizomania.

Performance Data of RR Varieties Approved for the 2025 Season - Sorted by Aphanomyces

Variety	Yrs Com	Rev/Ton ++			Rev/Acre ++			Rec/Ton		Rec/Acre		Yield		Sugar		Molasses		Emergence +		Cerc. *		Aphan. *		Rhizoc. *		Fusarium *		Rzm *
		24	2 Yr	2Y%	24	2 Yr	2Y%	24	2 Yr	24	2 Yr	24	2 Yr	24	2 Yr	24	2 Yr	24	2 Yr	24	2 Yr	24	2 Yr	24	2 Yr	24	2 Yr	
Number of locations →		12	23		12	23		12	23	12	23	12	23	12	23	12	23	12	23	5	8	3	4	4	6	2	4	
Previous Approved																												
Crystal 912	3	53.33	54.87	92	2035	2030	105	316	328	12049	12145	38.0	37.0	16.92	17.48	1.10	1.06	84	83	5.1	5.0	3.6	3.5	3.5	3.5	3.5	3.6	MG
Crystal 269	1	62.80	62.39	105	2139	2036	105	345	352	11768	11477	34.1	32.7	18.33	18.67	1.08	1.09	77	73	4.5	4.5	3.5	3.6	4.3	4.1	2.5	3.3	MG
Crystal 361	NC	61.10	61.51	103	2119	2065	106	340	349	11790	11717	34.7	33.7	18.00	18.44	1.01	0.99	80	78	3.3	2.8	3.8	3.6	3.8	3.7	2.0	2.6	MG
BTS 8359**	NC	57.65	58.68	99	2009	1983	102	329	340	11490	11507	34.9	33.9	17.60	18.10	1.14	1.09	79	76	2.9	2.6	3.6	3.7	4.3	4.2	2.2	2.8	MG
BTS 8328	NC	60.68	61.00	103	2045	2003	103	339	347	11420	11405	33.8	32.9	18.02	18.44	1.10	1.08	76	75	4.4	4.5	3.8	3.7	4.2	4.2	3.2	3.6	MG
Crystal 360	NC	61.28	60.55	102	2008	1985	102	341	346	11134	11345	32.6	32.8	18.05	18.31	1.02	1.02	83	81	3.1	2.6	3.5	3.7	3.9	4.0	2.2	2.9	MG
Crystal 369	NC	60.59	60.73	102	2101	2043	105	338	346	11724	11653	34.6	33.7	18.04	18.44	1.13	1.11	81	80	4.0	3.9	3.5	3.7	4.7	4.4	2.3	2.7	MG
BTS 8365	NC	64.51	63.88	107	2088	2034	105	350	356	11332	11337	32.3	31.8	18.46	18.77	0.94	0.95	81	78	4.2	4.2	3.9	3.7	3.6	3.6	2.1	2.8	MG
BTS 8226	1	63.19	62.13	105	2146	2046	105	346	351	11762	11540	34.0	32.9	18.27	18.49	0.96	0.95	82	78	3.5	2.9	3.8	3.8	3.5	3.6	2.6	3.2	MG
Crystal 364	NC	57.07	57.08	96	2081	2041	105	328	335	11951	11992	36.5	35.9	17.47	17.84	1.09	1.09	84	81	4.5	4.4	3.8	3.8	3.8	3.8	2.1	2.6	MG
Crystal 022	3	62.44	62.21	105	2044	2010	104	344	351	11253	11343	32.7	32.4	18.20	18.54	1.00	0.99	80	79	4.7	4.8	4.0	3.8	3.6	3.7	2.7	3.1	MG
BTS 8270	1	60.32	60.23	101	2064	2015	104	338	345	11565	11542	34.3	33.5	17.92	18.29	1.04	1.04	79	79	3.3	2.9	3.8	3.8	3.9	3.8	2.4	2.9	MG
BTS 8018	3	59.82	59.38	100	2101	2031	105	336	342	11803	11710	35.1	34.3	17.81	18.12	1.01	1.01	84	81	3.4	2.9	3.7	3.8	3.7	3.9	2.2	2.7	MG
BTS 8927	4	62.78	61.67	104	2124	2036	105	345	349	11680	11536	33.9	33.1	18.22	18.44	0.97	0.97	85	84	4.5	4.4	4.4	3.8	3.6	3.8	2.1	2.6	MG
Crystal 130	2	60.31	60.40	102	2077	2043	105	338	345	11615	11694	34.4	33.9	17.90	18.27	1.03	1.01	81	80	3.6	3.1	3.7	3.9	3.5	3.6	2.8	3.2	MG
Crystal 138	1	59.07	59.16	100	2024	2004	103	334	342	11424	11556	34.2	33.8	17.77	18.14	1.08	1.06	78	76	4.7	4.8	3.8	4.0	3.7	3.7	3.0	3.4	MG
Crystal 260	1	61.19	60.00	101	2124	2043	105	340	344	11808	11719	34.8	34.1	18.00	18.20	0.99	1.00	86	82	3.1	2.6	4.1	4.0	3.7	3.6	2.4	2.9	MG
Crystal 137	2	59.19	59.25	100	1998	1960	101	334	342	11272	11306	33.7	33.1	17.79	18.16	1.09	1.07	82	81	3.8	3.2	3.8	4.0	4.1	4.0	2.5	2.6	MG
Crystal 793	6	60.73	60.00	101	2092	2037	105	339	344	11657	11675	34.3	33.9	17.95	18.22	1.01	1.01	82	81	4.3	4.2	3.7	4.0	3.9	4.1	2.4	2.9	MG
Crystal 262	1	56.82	57.46	97	2055	1994	103	327	336	11821	11665	36.2	34.7	17.38	17.83	1.03	1.01	72	74	4.4	4.4	3.6	4.1	3.4	3.4	3.2	3.5	MG
BTS 8156	2	58.42	58.63	99	2015	1953	101	332	340	11437	11321	34.4	33.4	17.66	18.05	1.07	1.06	82	79	3.9	3.2	4.3	4.1	4.3	4.1	2.2	2.5	MG
BTS 8034	3	55.87	55.87	94	1978	1937	100	324	331	11477	11491	35.4	34.7	17.35	17.69	1.15	1.13	85	83	3.7	3.1	4.5	4.1	4.4	4.2	1.9	2.3	MG
Hilleshög HIL2480**	NC	58.26	58.75	99	1886	1851	95	331	340	10727	10747	32.4	31.7	17.77	18.19	1.20	1.18	78	79	4.1	4.0	4.4	4.4	3.7	3.7	3.1	3.2	MG
Hilleshög HIL2386	2	56.84	57.01	96	1942	1889	97	327	335	11159	11098	34.1	33.2	17.45	17.82	1.09	1.07	77	78	4.9	4.6	4.5	4.4	4.3	4.1	3.1	3.6	MG
Maribo MA717	6	55.81	56.54	95	1978	1925	99	324	333	11477	11359	35.4	34.1	17.27	17.71	1.07	1.03	80	80	4.9	4.9	4.2	4.4	4.2	4.1	4.4	4.4	MG
Hilleshög HIL2389	2	60.09	59.65	100	2062	2005	103	337	343	11541	11531	34.2	33.6	17.85	18.16	1.01	1.00	84	82	4.6	4.5	3.6	4.5	4.1	4.3	5.5	5.5	MG
Hilleshög HIL2479	NC	60.58	60.47	102	1868	1865	96	338	346	10451	10669	31.0	30.9	17.97	18.32	1.07	1.05	77	77	4.2	4.2	4.8	4.6	4.2	3.8	4.6	4.5	MG
Hilleshög HIL9920	6	58.88	58.75	99	1981	1930	99	333	340	11176	11154	33.4	32.8	17.74	18.07	1.08	1.06	76	76	5.1	5.1	4.1	4.8	4.6	4.5	6.3	6.2	MG
SX 1815	2	60.37	60.04	101	2070	2033	105	338	344	11563	11653	34.2	33.9	17.90	18.21	1.02	1.00	83	82	4.7	4.7	4.0	5.1	4.3	4.3	5.5	5.6	MG
SX 1835**	NC	55.96	57.27	96	2060	2014	104	324	336	11937	11809	36.8	35.2	17.36	17.90	1.15	1.12	85	82	4.7	4.6	4.3	5.1	4.1	3.8	3.5	3.7	MG
SV 231	NC	56.57	57.45	97	2116	2040	105	326	336	12175	11929	37.2	35.5	17.38	17.86	1.07	1.04	82	80	4.8	4.8	4.4	5.3	3.7	3.7	4.6	4.4	MG
SV 203	3	60.22	59.93	101	2070	2021	104	337	344	11581	11590	34.3	33.7	17.88	18.20	1.02	1.01	81	81	4.7	4.7	3.7	5.4	4.2	4.2	5.7	5.5	MG
SX 1818	2	56.91	57.40	97	2004	1981	102	327	336	11521	11610	35.2	34.6	17.43	17.85	1.07	1.04	78	78	4.6	4.6	4.5	5.8	4.4	4.2	4.3	4.5	MG
Benchmark var. mean		59.65	59.44		2020	1940		336	342	11354	11176	33.8	32.7	17.83	18.19	1.05	1.06	84	80									

Excellent	V.Good	Caution	Weak
-----------	--------	---------	------

+++ 2024 Sites include Casselton, Averill, Ada, Hillsboro, Climax, Grand Forks, Scandia, Forest River, Alvarado, St Thomas, Hallock, and Bathgate
 +++ 2023 Sites include Casselton, Perley, Halstad, Reynolds, Climax, Grand Forks, Scandia, East Grand Forks, Stephen, St. Thomas, and Bathgate
 ++ 2024 Revenue estimate based on a \$54.53 beet payment (5-yr ave) at 17.5% crop with a 1.5% loss to molasses and 2023 revenue estimate based on a \$50.09 beet payment. Revenue does not consider hauling or production costs.
 + Emergence is % of planted seeds producing a 4 leaf beet.
 ** Does not meet Full Market Approval. Meets Aphanomyces and/or Rhizoctonia Specialty Approval.
 * 2024 Cercospora from Saginaw MI, Randolph MN, Foxhome MN, Averill MN and Forest River ND (res.<4.4, susc>5.0). Aphanomyces ratings from Shakopee MN, Glyndon MN, and Perley MN (res.<4.0, susc>4.8).
 Rhizoctonia from Saginaw MI, Moorhead MN and Crookston MN (res.<3.8, susc>5). Fusarium from Moorhead MN and Sabin MN (res.<3.0, susc>5.0). MG indicates muligenic resistance to Rhizomania.
 * 2023 Cercospora ratings from Saginaw MI, Foxhome MN, and East Grand Forks, MN (res.<4.4, susc>5.0). Aphanomyces ratings from Shakopee MN (res.<4.0, susc>4.8).
 Rhizoctonia ratings from Crookston MN and Saginaw MI (res.<3.8, susc>5). Fusarium ratings from Moorhead MN and Sabin MN (res.<3.0, susc>5.0). MG indicates muligenic resistance to Rhizomania.

Performance Data of RR Varieties Approved for the 2025 Season - Sorted by Rhizoctonia

Variety	Yrs Com	Rev/Ton ++			Rev/Acre ++			Rec/Ton		Rec/Acre		Yield		Sugar		Molasses		Emergence +		Cerc. *		Aphan. *		Rhizoc. *		Fusarium *		Rzm *	
		24	2 Yr	2Y%	24	2 Yr	2Y%	24	2 Yr	24	2 Yr	24	2 Yr	24	2 Yr	24	2 Yr	24	2 Yr	24	2 Yr	24	2 Yr	24	2 Yr	24	2 Yr	24	2 Yr
		Number of locations →																											
Previous Approved																													
Crystal 262	1	56.82	57.46	97	2055	1994	103	327	336	11821	11665	36.2	34.7	17.38	17.83	1.03	1.01	72	74	4.4	4.4	3.6	4.1	3.4	3.4	3.2	3.5	MG	
Crystal 912	3	53.33	54.87	92	2035	2030	105	316	328	12049	12145	38.0	37.0	16.92	17.48	1.10	1.06	84	83	5.1	5.0	3.6	3.5	3.5	3.5	3.5	3.5	3.6	MG
Crystal 260	1	61.19	60.00	101	2124	2043	105	340	344	11808	11719	34.8	34.1	18.00	18.20	0.99	1.00	86	82	3.1	2.6	4.1	4.0	3.7	3.6	2.4	2.9	MG	
Crystal 130	2	60.31	60.40	102	2077	2043	105	338	345	11615	11694	34.4	33.9	17.90	18.27	1.03	1.01	81	80	3.6	3.1	3.7	3.9	3.5	3.6	2.8	3.2	MG	
BTS 8226	1	63.19	62.13	105	2146	2046	105	346	351	11762	11540	34.0	32.9	18.27	18.49	0.96	0.95	82	78	3.5	2.9	3.8	3.8	3.5	3.6	2.6	3.2	MG	
BTS 8365	NC	64.51	63.88	107	2088	2034	105	350	356	11332	11337	32.3	31.8	18.46	18.77	0.94	0.95	81	78	4.2	4.2	3.9	3.7	3.6	3.6	2.1	2.8	MG	
Crystal 361	NC	61.10	61.51	103	2119	2065	106	340	349	11790	11717	34.7	33.7	18.00	18.44	1.01	0.99	80	78	3.3	2.8	3.8	3.6	3.8	3.7	2.0	2.6	MG	
Hilleshög HIL2480**	NC	58.26	58.75	99	1886	1851	95	331	340	10727	10747	32.4	31.7	17.77	18.19	1.20	1.18	78	79	4.1	4.0	4.4	4.4	3.7	3.7	3.1	3.2	MG	
SV 231	NC	56.57	57.45	97	2116	2040	105	326	336	12175	11929	37.2	35.5	17.38	17.86	1.07	1.04	82	80	4.8	4.8	4.4	5.3	3.7	3.7	4.6	4.4	MG	
Crystal 022	3	62.44	62.21	105	2044	2010	104	344	351	11253	11343	32.7	32.4	18.20	18.54	1.00	0.99	80	79	4.7	4.8	4.0	3.8	3.6	3.7	2.7	3.1	MG	
Crystal 138	1	59.07	59.16	100	2024	2004	103	334	342	11424	11556	34.2	33.8	17.77	18.14	1.08	1.06	78	76	4.7	4.8	3.8	4.0	3.7	3.7	3.0	3.4	MG	
BTS 8270	1	60.32	60.23	101	2064	2015	104	338	345	11565	11542	34.3	33.5	17.92	18.29	1.04	1.04	79	79	3.3	2.9	3.8	3.8	3.9	3.8	2.4	2.9	MG	
BTS 8927	4	62.78	61.67	104	2124	2036	105	345	349	11680	11536	33.9	33.1	18.22	18.44	0.97	0.97	85	84	4.5	4.4	4.4	3.8	3.6	3.8	2.1	2.6	MG	
Crystal 364	NC	57.07	57.08	96	2081	2041	105	328	335	11951	11992	36.5	35.9	17.47	17.84	1.09	1.09	84	81	4.5	4.4	3.8	3.8	3.8	3.8	2.1	2.6	MG	
SX 1835**	NC	55.96	57.27	96	2060	2014	104	324	336	11937	11809	36.8	35.2	17.36	17.90	1.15	1.12	85	82	4.7	4.6	4.3	5.1	4.1	3.8	3.5	3.7	MG	
Hilleshög HIL2479	NC	60.58	60.47	102	1868	1865	96	338	346	10451	10669	31.0	30.9	17.97	18.32	1.07	1.05	77	77	4.2	4.2	4.8	4.6	4.2	3.8	4.6	4.5	MG	
BTS 8018	3	59.82	59.38	100	2101	2031	105	336	342	11803	11710	35.1	34.3	17.81	18.12	1.01	1.01	84	81	3.4	2.9	3.7	3.8	3.7	3.9	2.2	2.7	MG	
Crystal 360	NC	61.28	60.55	102	2008	1985	102	341	346	11134	11345	32.6	32.8	18.05	18.31	1.02	1.02	83	81	3.1	2.6	3.5	3.7	3.9	4.0	2.2	2.9	MG	
Crystal 137	2	59.19	59.25	100	1998	1960	101	334	342	11272	11306	33.7	33.1	17.79	18.16	1.09	1.07	82	81	3.8	3.2	3.8	4.0	4.1	4.0	2.5	2.6	MG	
Hilleshög HIL2386	2	56.84	57.01	96	1942	1889	97	327	335	11159	11098	34.1	33.2	17.45	17.82	1.09	1.07	77	78	4.9	4.6	4.5	4.4	4.3	4.1	3.1	3.6	MG	
Crystal 269	1	62.80	62.39	105	2139	2036	105	345	352	11768	11477	34.1	32.7	18.33	18.67	1.08	1.09	77	73	4.5	4.5	3.5	3.6	4.3	4.1	2.5	3.3	MG	
BTS 8156	2	58.42	58.63	99	2015	1953	101	332	340	11437	11321	34.4	33.4	17.66	18.05	1.07	1.06	82	79	3.9	3.2	4.3	4.1	4.3	4.1	2.2	2.5	MG	
Crystal 793	6	60.73	60.00	101	2092	2037	105	339	344	11657	11675	34.3	33.9	17.95	18.22	1.01	1.01	82	81	4.3	4.2	3.7	4.0	3.9	4.1	2.4	2.9	MG	
Maribo MA717	6	55.81	56.54	95	1978	1925	99	324	333	11477	11359	35.4	34.1	17.27	17.71	1.07	1.03	80	80	4.9	4.9	4.2	4.4	4.2	4.1	4.4	4.4	MG	
BTS 8328	NC	60.68	61.00	103	2045	2003	103	339	347	11420	11405	33.8	32.9	18.02	18.44	1.10	1.08	76	75	4.4	4.5	3.8	3.7	4.2	4.2	3.2	3.6	MG	
BTS 8359**	NC	57.65	58.68	99	2009	1983	102	329	340	11490	11507	34.9	33.9	17.60	18.10	1.14	1.09	79	76	2.9	2.6	3.6	3.7	4.3	4.2	2.2	2.8	MG	
SV 203	3	60.22	59.93	101	2070	2021	104	337	344	11581	11590	34.3	33.7	17.88	18.20	1.02	1.01	81	81	4.7	4.7	3.7	5.4	4.2	4.2	5.7	5.5	MG	
SX 1818	2	56.91	57.40	97	2004	1981	102	327	336	11521	11610	35.2	34.6	17.43	17.85	1.07	1.04	78	78	4.6	4.6	4.5	5.8	4.4	4.2	4.3	4.5	MG	
BTS 8034	3	55.87	55.87	94	1978	1937	100	324	331	11477	11491	35.4	34.7	17.35	17.69	1.15	1.13	85	83	3.7	3.1	4.5	4.1	4.4	4.2	1.9	2.3	MG	
Hilleshög HIL2389	2	60.09	59.65	100	2062	2005	103	337	343	11541	11531	34.2	33.6	17.85	18.16	1.01	1.00	84	82	4.6	4.5	3.6	4.5	4.1	4.3	5.5	5.5	MG	
SX 1815	2	60.37	60.04	101	2070	2033	105	338	344	11563	11653	34.2	33.9	17.90	18.21	1.02	1.00	83	82	4.7	4.7	4.0	5.1	4.3	4.3	5.5	5.6	MG	
Crystal 369	NC	60.59	60.73	102	2101	2043	105	338	346	11724	11653	34.6	33.7	18.04	18.44	1.13	1.11	81	80	4.0	3.9	3.5	3.7	4.7	4.4	2.3	2.7	MG	
Hilleshög HIL9920	6	58.88	58.75	99	1981	1930	99	333	340	11176	11154	33.4	32.8	17.74	18.07	1.08	1.06	76	76	5.1	5.1	4.1	4.8	4.6	4.5	6.3	6.2	MG	
Benchmark var. mean		59.65	59.44		2020	1940		336	342	11354	11176	33.8	32.7	17.83	18.19	1.05	1.06	84	80										

Excellent V.Good Caution Weak

+++ 2024 Sites include Casselton, Averill, Ada, Hillsboro, Climax, Grand Forks, Scandia, Forest River, Alvarado, St Thomas, Hallock, and Bathgate
 +++ 2023 Sites include Casselton, Perley, Halstad, Reynolds, Climax, Grand Forks, Scandia, East Grand Forks, Stephen, St. Thomas, and Bathgate
 ++ 2024 Revenue estimate based on a \$54.53 beet payment (5-yr ave) at 17.5% crop with a 1.5% loss to molasses and 2023 revenue estimate based on a \$50.09 beet payment. Revenue does not consider hauling or production costs.
 + Emergence is % of planted seeds producing a 4 leaf beet.
 ** Does not meet Full Market Approval. Meets Aphanomyces and/or Rhizoctonia Specialty Approval.
 * 2024 Cercospora from Saginaw MI, Randolph MN, Foxhome MN, Averill MN and Forest River ND (res.<4.4, susc>5.0). Aphanomyces ratings from Shakopee MN, Glyndon MN, and Perley MN (res.<4.0, susc>4.8). Rhizoctonia from Saginaw MI, Moorhead MN and Crookston MN (res.<3.8, susc>5). Fusarium from Moorhead MN and Sabin MN (res.<3.0, susc>5.0). MG indicates muligenic resistance to Rhizomania.
 * 2023 Cercospora ratings from Saginaw MI, Foxhome MN, and East Grand Forks, MN (res.<4.4, susc>5.0). Aphanomyces ratings from Shakopee MN (res.<4.0, susc>4.8). Rhizoctonia ratings from Crookston MN and Saginaw MI (res.<3.8, susc>5). Fusarium ratings from Moorhead MN and Sabin MN (res.<3.0, susc>5.0). MG indicates muligenic resistance to Rhizomania.

Performance Data of RR Varieties Approved for the 2025 Season - Sorted by Fusarium

Variety	Yrs Com	Rev/Ton ++			Rev/Acre ++			Rec/Ton		Rec/Acre		Yield		Sugar		Molasses		Emergence +		Cerc. *		Aphan. *		Rhizoc. *		Fusarium *		Rzm *
		24	2 Yr	2Y%	24	2 Yr	2Y%	24	2 Yr	24	2 Yr	24	2 Yr	24	2 Yr	24	2 Yr	24	2 Yr	24	2 Yr	24	2 Yr	24	2 Yr	24	2 Yr	
Number of locations →		12	23		12	23		12	23	12	23	12	23	12	23	12	23	12	23	5	8	3	4	4	6	2	4	
Previous Approved																												
BTS 8034	3	55.87	55.87	94	1978	1937	100	324	331	11477	11491	35.4	34.7	17.35	17.69	1.15	1.13	85	83	3.7	3.1	4.5	4.1	4.4	4.2	1.9	2.3	MG
BTS 8156	2	58.42	58.63	99	2015	1953	101	332	340	11437	11321	34.4	33.4	17.66	18.05	1.07	1.06	82	79	3.9	3.2	4.3	4.1	4.3	4.1	2.2	2.5	MG
BTS 8927	4	62.78	61.67	104	2124	2036	105	345	349	11680	11536	33.9	33.1	18.22	18.44	0.97	0.97	85	84	4.5	4.4	4.4	3.8	3.6	3.8	2.1	2.6	MG
Crystal 364	NC	57.07	57.08	96	2081	2041	105	328	335	11951	11992	36.5	35.9	17.47	17.84	1.09	1.09	84	81	4.5	4.4	3.8	3.8	3.8	3.8	2.1	2.6	MG
Crystal 361	NC	61.10	61.51	103	2119	2065	106	340	349	11790	11717	34.7	33.7	18.00	18.44	1.01	0.99	80	78	3.3	2.8	3.8	3.6	3.8	3.7	2.0	2.6	MG
Crystal 137	2	59.19	59.25	100	1998	1960	101	334	342	11272	11306	33.7	33.1	17.79	18.16	1.09	1.07	82	81	3.8	3.2	3.8	4.0	4.1	4.0	2.5	2.6	MG
BTS 8018	3	59.82	59.38	100	2101	2031	105	336	342	11803	11710	35.1	34.3	17.81	18.12	1.01	1.01	84	81	3.4	2.9	3.7	3.8	3.7	3.9	2.2	2.7	MG
Crystal 369	NC	60.59	60.73	102	2101	2043	105	338	346	11724	11653	34.6	33.7	18.04	18.44	1.13	1.11	81	80	4.0	3.9	3.5	3.7	4.7	4.4	2.3	2.7	MG
BTS 8365	NC	64.51	63.88	107	2088	2034	105	350	356	11332	11337	32.3	31.8	18.46	18.77	0.94	0.95	81	78	4.2	4.2	3.9	3.7	3.6	3.6	2.1	2.8	MG
BTS 8359**	NC	57.65	58.68	99	2009	1983	102	329	340	11490	11507	34.9	33.9	17.60	18.10	1.14	1.09	79	76	2.9	2.6	3.6	3.7	4.3	4.2	2.2	2.8	MG
Crystal 260	1	61.19	60.00	101	2124	2043	105	340	344	11808	11719	34.8	34.1	18.00	18.20	0.99	1.00	86	82	3.1	2.6	4.1	4.0	3.7	3.6	2.4	2.9	MG
Crystal 360	NC	61.28	60.55	102	2008	1985	102	341	346	11134	11345	32.6	32.8	18.05	18.31	1.02	1.02	83	81	3.1	2.6	3.5	3.7	3.9	4.0	2.2	2.9	MG
Crystal 793	6	60.73	60.00	101	2092	2037	105	339	344	11657	11675	34.3	33.9	17.95	18.22	1.01	1.01	82	81	4.3	4.2	3.7	4.0	3.9	4.1	2.4	2.9	MG
BTS 8270	1	60.32	60.23	101	2064	2015	104	338	345	11565	11542	34.3	33.5	17.92	18.29	1.04	1.04	79	79	3.3	2.9	3.8	3.8	3.9	3.8	2.4	2.9	MG
Crystal 022	3	62.44	62.21	105	2044	2010	104	344	351	11253	11343	32.7	32.4	18.20	18.54	1.00	0.99	80	79	4.7	4.8	4.0	3.8	3.6	3.7	2.7	3.1	MG
Crystal 130	2	60.31	60.40	102	2077	2043	105	338	345	11615	11694	34.4	33.9	17.90	18.27	1.03	1.01	81	80	3.6	3.1	3.7	3.9	3.5	3.6	2.8	3.2	MG
Hilleshög HIL2480**	NC	58.26	58.75	99	1886	1851	95	331	340	10727	10747	32.4	31.7	17.77	18.19	1.20	1.18	78	79	4.1	4.0	4.4	4.4	3.7	3.7	3.1	3.2	MG
BTS 8226	1	63.19	62.13	105	2146	2046	105	346	351	11762	11540	34.0	32.9	18.27	18.49	0.96	0.95	82	78	3.5	2.9	3.8	3.8	3.5	3.6	2.6	3.2	MG
Crystal 269	1	62.80	62.39	105	2139	2036	105	345	352	11768	11477	34.1	32.7	18.33	18.67	1.08	1.09	77	73	4.5	4.5	3.5	3.6	4.3	4.1	2.5	3.3	MG
Crystal 138	1	59.07	59.16	100	2024	2004	103	334	342	11424	11556	34.2	33.8	17.77	18.14	1.08	1.06	78	76	4.7	4.8	3.8	4.0	3.7	3.7	3.0	3.4	MG
Crystal 262	1	56.82	57.46	97	2055	1994	103	327	336	11821	11665	36.2	34.7	17.38	17.83	1.03	1.01	72	74	4.4	4.4	3.6	4.1	3.4	3.4	3.2	3.5	MG
Hilleshög HIL2386	2	56.84	57.01	96	1942	1889	97	327	335	11159	11098	34.1	33.2	17.45	17.82	1.09	1.07	77	78	4.9	4.6	4.5	4.4	4.3	4.1	3.1	3.6	MG
BTS 8328	NC	60.68	61.00	103	2045	2003	103	339	347	11420	11405	33.8	32.9	18.02	18.44	1.10	1.08	76	75	4.4	4.5	3.8	3.7	4.2	4.2	3.2	3.6	MG
Crystal 912	3	53.33	54.87	92	2035	2030	105	316	328	12049	12145	38.0	37.0	16.92	17.48	1.10	1.06	84	83	5.1	5.0	3.6	3.5	3.5	3.5	3.5	3.6	MG
SX 1835**	NC	55.96	57.27	96	2060	2014	104	324	336	11937	11809	36.8	35.2	17.36	17.90	1.15	1.12	85	82	4.7	4.6	4.3	5.1	4.1	3.8	3.5	3.7	MG
SV 231	NC	56.57	57.45	97	2116	2040	105	326	336	12175	11929	37.2	35.5	17.38	17.86	1.07	1.04	82	80	4.8	4.8	4.4	5.3	3.7	3.7	4.6	4.4	MG
Maribo MA717	6	55.81	56.54	95	1978	1925	99	324	333	11477	11359	35.4	34.1	17.27	17.71	1.07	1.03	80	80	4.9	4.9	4.2	4.4	4.2	4.1	4.4	4.4	MG
SX 1818	2	56.91	57.40	97	2004	1981	102	327	336	11521	11610	35.2	34.6	17.43	17.85	1.07	1.04	78	78	4.6	4.6	4.5	5.8	4.4	4.2	4.3	4.5	MG
Hilleshög HIL2479	NC	60.58	60.47	102	1868	1865	96	338	346	10451	10669	31.0	30.9	17.97	18.32	1.07	1.05	77	77	4.2	4.2	4.8	4.6	4.2	3.8	4.6	4.5	MG
SV 203	3	60.22	59.93	101	2070	2021	104	337	344	11581	11590	34.3	33.7	17.88	18.20	1.02	1.01	81	81	4.7	4.7	3.7	5.4	4.2	4.2	5.7	5.5	MG
Hilleshög HIL2389	2	60.09	59.65	100	2062	2005	103	337	343	11541	11531	34.2	33.6	17.85	18.16	1.01	1.00	84	82	4.6	4.5	3.6	4.5	4.1	4.3	5.5	5.5	MG
SX 1815	2	60.37	60.04	101	2070	2033	105	338	344	11563	11653	34.2	33.9	17.90	18.21	1.02	1.00	83	82	4.7	4.7	4.0	5.1	4.3	4.3	5.5	5.6	MG
Hilleshög HIL9920	6	58.88	58.75	99	1981	1930	99	333	340	11176	11154	33.4	32.8	17.74	18.07	1.08	1.06	76	76	5.1	5.1	4.1	4.8	4.6	4.5	6.3	6.2	MG
Benchmark var. mean		59.65	59.44		2020	1940		336	342	11354	11176	33.8	32.7	17.83	18.19	1.05	1.06	84	80									



+++ 2024 Sites include Casselton, Averill, Ada, Hillsboro, Climax, Grand Forks, Scandia, Forest River, Alvarado, St Thomas, Hallock, and Bathgate
 +++ 2023 Sites include Casselton, Perley, Halstad, Reynolds, Climax, Grand Forks, Scandia, East Grand Forks, Stephen, St. Thomas, and Bathgate
 ++ 2024 Revenue estimate based on a \$54.53 beet payment (5-yr ave) at 17.5% crop with a 1.5% loss to molasses and 2023 revenue estimate based on a \$50.09 beet payment. Revenue does not consider hauling or production costs.
 + Emergence is % of planted seeds producing a 4 leaf beet.
 ** Does not meet Full Market Approval. Meets Aphanomyces and/or Rhizoctonia Specialty Approval.
 * 2024 Cercospora from Saginaw MI, Randolph MN, Foxhome MN, Averill MN and Forest River ND (res.<4.4, susc>5.0). Aphanomyces ratings from Shakopee MN, Glyndon MN, and Perley MN (res.<4.0, susc>4.8). Rhizoctonia from Saginaw MI, Moorhead MN and Crookston MN (res.<3.8, susc>5). Fusarium from Moorhead MN and Sabin MN (res.<3.0, susc>5.0). MG indicates muligenic resistance to Rhizomania.
 * 2023 Cercospora ratings from Saginaw MI, Foxhome MN, and East Grand Forks, MN (res.<4.4, susc>5.0). Aphanomyces ratings from Shakopee MN (res.<4.0, susc>4.8). Rhizoctonia ratings from Crookston MN and Saginaw MI (res.<3.8, susc>5). Fusarium ratings from Moorhead MN and Sabin MN (res.<3.0, susc>5.0). MG indicates muligenic resistance to Rhizomania.

Created 10/25/2024

Performance Data of RR Varieties Approved for the 2025 Season - Sorted by Emergence

Variety	Yrs Com	Rev/Ton ++			Rev/Acre ++			Rec/Ton		Rec/Acre		Yield		Sugar		Molasses		Emergence +		Cerc. *		Aphan. *		Rhizoc. *		Fusarium *		Rzm *
		24	2 Yr	2Y%	24	2 Yr	2Y%	24	2 Yr	24	2 Yr	24	2 Yr	24	2 Yr	24	2 Yr	24	2 Yr	24	2 Yr	24	2 Yr	24	2 Yr	24	2 Yr	
Number of locations →		12	23		12	23		12	23	12	23	12	23	12	23	12	23	12	23	5	8	3	4	4	6	2	4	
Previous Approved																												
BTS 8927	4	62.78	61.67	104	2124	2036	105	345	349	11680	11536	33.9	33.1	18.22	18.44	0.97	0.97	85	84	4.5	4.4	4.4	3.8	3.6	3.8	2.1	2.6	MG
BTS 8034	3	55.87	55.87	94	1978	1937	100	324	331	11477	11491	35.4	34.7	17.35	17.69	1.15	1.13	85	83	3.7	3.1	4.5	4.1	4.4	4.2	1.9	2.3	MG
Crystal 912	3	53.33	54.87	92	2035	2030	105	316	328	12049	12145	38.0	37.0	16.92	17.48	1.10	1.06	84	83	5.1	5.0	3.6	3.5	3.5	3.5	3.6	MG	
SX 1835**	NC	55.96	57.27	96	2060	2014	104	324	336	11937	11809	36.8	35.2	17.36	17.90	1.15	1.12	85	82	4.7	4.6	4.3	5.1	4.1	3.8	3.5	3.7	MG
Hilleshög HIL2389	2	60.09	59.65	100	2062	2005	103	337	343	11541	11531	34.2	33.6	17.85	18.16	1.01	1.00	84	82	4.6	4.5	3.6	4.5	4.1	4.3	5.5	5.5	MG
Crystal 260	1	61.19	60.00	101	2124	2043	105	340	344	11808	11719	34.8	34.1	18.00	18.20	0.99	1.00	86	82	3.1	2.6	4.1	4.0	3.7	3.6	2.4	2.9	MG
SX 1815	2	60.37	60.04	101	2070	2033	105	338	344	11563	11653	34.2	33.9	17.90	18.21	1.02	1.00	83	82	4.7	4.7	4.0	5.1	4.3	4.3	5.5	5.6	MG
Crystal 364	NC	57.07	57.08	96	2081	2041	105	328	335	11951	11992	36.5	35.9	17.47	17.84	1.09	1.09	84	81	4.5	4.4	3.8	3.8	3.8	3.8	2.1	2.6	MG
Crystal 137	2	59.19	59.25	100	1998	1960	101	334	342	11272	11306	33.7	33.1	17.79	18.16	1.09	1.07	82	81	3.8	3.2	3.8	4.0	4.1	4.0	2.5	2.6	MG
Crystal 793	6	60.73	60.00	101	2092	2037	105	339	344	11657	11675	34.3	33.9	17.95	18.22	1.01	1.01	82	81	4.3	4.2	3.7	4.0	3.9	4.1	2.4	2.9	MG
BTS 8018	3	59.82	59.38	100	2101	2031	105	336	342	11803	11710	35.1	34.3	17.81	18.12	1.01	1.01	84	81	3.4	2.9	3.7	3.8	3.7	3.9	2.2	2.7	MG
Crystal 360	NC	61.28	60.55	102	2008	1985	102	341	346	11134	11345	32.6	32.8	18.05	18.31	1.02	1.02	83	81	3.1	2.6	3.5	3.7	3.9	4.0	2.2	2.9	MG
SV 203	3	60.22	59.93	101	2070	2021	104	337	344	11581	11590	34.3	33.7	17.88	18.20	1.02	1.01	81	81	4.7	4.7	3.7	5.4	4.2	4.2	5.7	5.5	MG
Crystal 130	2	60.31	60.40	102	2077	2043	105	338	345	11615	11694	34.4	33.9	17.90	18.27	1.03	1.01	81	80	3.6	3.1	3.7	3.9	3.5	3.6	2.8	3.2	MG
Crystal 369	NC	60.59	60.73	102	2101	2043	105	338	346	11724	11653	34.6	33.7	18.04	18.44	1.13	1.11	81	80	4.0	3.9	3.5	3.7	4.7	4.4	2.3	2.7	MG
SV 231	NC	56.57	57.45	97	2116	2040	105	326	336	12175	11929	37.2	35.5	17.38	17.86	1.07	1.04	82	80	4.8	4.8	4.4	5.3	3.7	3.7	4.6	4.4	MG
Maribo MA717	6	55.81	56.54	95	1978	1925	99	324	333	11477	11359	35.4	34.1	17.27	17.71	1.07	1.03	80	80	4.9	4.9	4.2	4.4	4.2	4.1	4.4	4.4	MG
BTS 8156	2	58.42	58.63	99	2015	1953	101	332	340	11437	11321	34.4	33.4	17.66	18.05	1.07	1.06	82	79	3.9	3.2	4.3	4.1	4.3	4.1	2.2	2.5	MG
Crystal 022	3	62.44	62.21	105	2044	2010	104	344	351	11253	11343	32.7	32.4	18.20	18.54	1.00	0.99	80	79	4.7	4.8	4.0	3.8	3.6	3.7	2.7	3.1	MG
Hilleshög HIL2480**	NC	58.26	58.75	99	1886	1851	95	331	340	10727	10747	32.4	31.7	17.77	18.19	1.20	1.18	78	79	4.1	4.0	4.4	4.4	3.7	3.7	3.1	3.2	MG
BTS 8270	1	60.32	60.23	101	2064	2015	104	338	345	11565	11542	34.3	33.5	17.92	18.29	1.04	1.04	79	79	3.3	2.9	3.8	3.8	3.9	3.8	2.4	2.9	MG
BTS 8365	NC	64.51	63.88	107	2088	2034	105	350	356	11332	11337	32.3	31.8	18.46	18.77	0.94	0.95	81	78	4.2	4.2	3.9	3.7	3.6	3.6	2.1	2.8	MG
Hilleshög HIL2386	2	56.84	57.01	96	1942	1889	97	327	335	11159	11098	34.1	33.2	17.45	17.82	1.09	1.07	77	78	4.9	4.6	4.5	4.4	4.3	4.1	3.1	3.6	MG
BTS 8226	1	63.19	62.13	105	2146	2046	105	346	351	11762	11540	34.0	32.9	18.27	18.49	0.96	0.95	82	78	3.5	2.9	3.8	3.8	3.5	3.6	2.6	3.2	MG
Crystal 361	NC	61.10	61.51	103	2119	2065	106	340	349	11790	11717	34.7	33.7	18.00	18.44	1.01	0.99	80	78	3.3	2.8	3.8	3.6	3.8	3.7	2.0	2.6	MG
SX 1818	2	56.91	57.40	97	2004	1981	102	327	336	11521	11610	35.2	34.6	17.43	17.85	1.07	1.04	78	78	4.6	4.6	4.5	5.8	4.4	4.2	4.3	4.5	MG
Hilleshög HIL2479	NC	60.58	60.47	102	1868	1865	96	338	346	10451	10669	31.0	30.9	17.97	18.32	1.07	1.05	77	77	4.2	4.2	4.8	4.6	4.2	3.8	4.6	4.5	MG
Hilleshög HIL9920	6	58.88	58.75	99	1981	1930	99	333	340	11176	11154	33.4	32.8	17.74	18.07	1.08	1.06	76	76	5.1	5.1	4.1	4.8	4.6	4.5	6.3	6.2	MG
Crystal 138	1	59.07	59.16	100	2024	2004	103	334	342	11424	11556	34.2	33.8	17.77	18.14	1.08	1.06	78	76	4.7	4.8	3.8	4.0	3.7	3.7	3.0	3.4	MG
BTS 8359**	NC	57.65	58.68	99	2009	1983	102	329	340	11490	11507	34.9	33.9	17.60	18.10	1.14	1.09	79	76	2.9	2.6	3.6	3.7	4.3	4.2	2.2	2.8	MG
BTS 8328	NC	60.68	61.00	103	2045	2003	103	339	347	11420	11405	33.8	32.9	18.02	18.44	1.10	1.08	76	75	4.4	4.5	3.8	3.7	4.2	4.2	3.2	3.6	MG
Crystal 262	1	56.82	57.46	97	2055	1994	103	327	336	11821	11665	36.2	34.7	17.38	17.83	1.03	1.01	72	74	4.4	4.4	3.6	4.1	3.4	3.4	3.2	3.5	MG
Crystal 269	1	62.80	62.39	105	2139	2036	105	345	352	11768	11477	34.1	32.7	18.33	18.67	1.08	1.09	77	73	4.5	4.5	3.5	3.6	4.3	4.1	2.5	3.3	MG
Benchmark var. mean		59.65	59.44		2020	1940		336	342	11354	11176	33.8	32.7	17.83	18.19	1.05	1.06	84	80									

Excellent
V.Good
Caution
Weak

+++ 2024 Sites include Casselton, Averill, Ada, Hillsboro, Climax, Grand Forks, Scandia, Forest River, Alvarado, St Thomas, Hallock, and Bathgate

+++ 2023 Sites include Casselton, Perley, Halstad, Reynolds, Climax, Grand Forks, Scandia, East Grand Forks, Stephen, St. Thomas, and Bathgate

** 2024 Revenue estimate based on a \$54.53 beet payment (5-yr ave) at 17.5% crop with a 1.5% loss to molasses and 2023 revenue estimate based on a \$50.09 beet payment. Revenue does not consider hauling or production costs.

+ Emergence is % of planted seeds producing a 4 leaf beet.

** Does not meet Full Market Approval. Meets Aphanomyces and/or Rhizoctonia Specialty Approval.

* 2024 Cercospora from Saginaw MI, Randolph MN, Foxhome MN, Averill MN and Forest River ND (res.<4.4, susc>5.0). Aphanomyces ratings from Shakopee MN, Glyndon MN, and Perley MN (res.<4.0, susc>4.8).

Rhizoctonia from Saginaw MI, Moorhead MN and Crookston MN (res.<3.8, susc>5). Fusarium from Moorhead MN and Sabin MN (res.<3.0, susc>5.0). MG indicates muligenic resistance to Rhizomania.

* 2023 Cercospora ratings from Saginaw MI, Foxhome MN, and East Grand Forks, MN (res.<4.4, susc>5.0). Aphanomyces ratings from Shakopee MN (res.<4.0, susc>4.8).

Rhizoctonia ratings from Crookston MN and Saginaw MI (res.<3.8, susc>5). Fusarium ratings from Moorhead MN and Sabin MN (res.<3.0, susc>5.0). MG indicates muligenic resistance to Rhizomania.

Key to color highlighting

Disease/Trait	Tolerance/Category	Color	Category levels
Rhizomania	V. Good	L Green	Single gene resistance to Rhizomania
Rhizomania	Excellent	D Green	Multigenic resistance to Rhizomania
Rhizoctonia	Weak	Orange	>5.0
Rhizoctonia	Caution	Yellow	>4.4-5.0
Rhizoctonia	V. Good	L Green	>3.82-4.4
Rhizoctonia	Excellent	D Green	<= 3.82 (specialty criteria)
Aphanomyces	Weak	Orange	>4.8
Aphanomyces	Caution	Yellow	>4.4-4.8
Aphanomyces	V. Good	L Green	>4.0-4.4
Aphanomyces	Excellent	D Green	<= 4.0 (specialty criteria)
Fusarium	Weak	Orange	>5.0
Fusarium	Caution	Yellow	>4.0-5.0
Fusarium	V. Good	L Green	>3.0-4.0
Fusarium	Excellent	D Green	<=3.0
Cercospora	Weak	Orange	>5.0
Cercospora	Caution	Yellow	>4.5-5.0
Cercospora	V. Good	L Green	>4.0-4.5
Cercospora	Excellent	D Green	<=4.0
Emergence	V. Good	L Green	Highest 10 entries
Sugar	V. Good	L Green	Highest 10 entries
Yield	V. Good	L Green	Highest 10 entries
Molasses	V. Good	L Green	Lowest 10 entries
Rec/Acre	V. Good	L Green	Highest 10 entries
Rec/Ton	V. Good	L Green	Highest 10 entries
Rev/Ton	V. Good	L Green	Highest 10 entries
Rev/Acre	V. Good	L Green	Highest 10 entries