

Table 1. Comparison of 2022 Fully Approved Varieties to Test Market and Specialty Approved Varieties - Three Years of Data (2019-2021)

Specialty	Rec/T (lbs)		Rec/A (lbs)		Sugar %		Purity (%)		Yield (T/A)		Aphanomyces Root Rating**		Cercospora Leaf Spot**		Rhizoctonia Root Rating**		Emergence (%)		Revenue per Ton*	Revenue per Acre*
	3 yr avg	% of mean	3 yr avg	% of mean	3 yr avg	% of mean	3 yr avg	% of mean	3 yr avg	% of mean	3 yr avg	% of mean	3 yr avg	% of mean	3 yr avg	% of mean	3 yr avg	% of mean	% of mean	% of mean

2022 Fully Approved Varieties - Three Years of Data (% of Mean is of Fully Approved Mean)

Crystal M837		280.6	102.2	9839.4	99.2	16.5	102.0	91.0	99.9	35.4	97.4	4.4	101.9	4.0	100.5	4.7	122.1	76.7	99.7	103.2	100.5	M837
SV 881	RHC	273.4	99.6	9911.8	99.9	16.1	99.5	91.2	100.1	36.5	100.4	4.2	97.2	4.0	100.5	3.9	99.8	75.2	97.7	99.3	99.8	881
SV 883	RHC	271.9	99.0	9887.1	99.7	16.1	99.5	90.9	99.8	36.5	100.4	4.4	101.9	4.2	105.5	3.6	91.6	78.7	102.3	98.6	99.0	883
SV RR862	RHC	272.4	99.2	9867.0	99.5	16.1	99.5	91.2	100.1	36.4	100.2	4.4	101.9	3.7	93.0	3.5	91.0	77.4	100.6	99.3	99.5	862
SV RR863	RHC	274.4	99.9	10096.8	101.8	16.1	99.5	91.3	100.2	36.9	101.5	4.2	97.2	4.0	100.5	3.7	95.4	76.7	99.7	99.5	101.1	863

Mean of Fully Approved: **274.5** **100.0** **9920.4** **100.0** **16.2** **100.0** **91.1** **100.0** **36.3** **100.0** **4.3** **100.0** **4.0** **100.0** **3.9** **100.0** **76.9** **100.0** **100.0** **100.0** **100.0** **Mean**

2022 Specialty Approved Varieties - Three Years of Data (% of mean is of Fully Approved Mean)

Beta 9952	CLS + RHC	268.3	97.7	9338.3	94.1	15.9	98.3	91.0	99.9	35.0	96.3	4.2	97.2	2.9	72.9	3.0	76.8	73.7	95.8	96.7	93.1	9952
Beta 9986	CLS	266.6	97.1	10211.7	102.9	15.8	97.7	91.0	99.9	38.6	106.2	4.3	99.5	2.1	52.8	4.1	106.9	79.0	102.7	95.6	101.5	9986
Crystal M951	CLS	266.6	97.1	10495.4	105.8	15.8	97.7	91.0	99.9	39.5	108.7	4.6	106.5	2.3	57.8	4.5	117.1	77.4	100.6	95.6	103.9	M951
Crystal M977	RHC	272.6	99.3	10605.5	106.9	16.0	98.9	91.2	100.1	39.3	108.1	4.0	92.6	4.3	108.0	3.3	85.0	74.5	96.8	98.2	106.2	M977
Hilleshog 2219	RHC	278.3	101.4	9048.9	91.2	16.3	100.7	91.2	100.1	32.9	90.5	4.9	113.4	4.1	103.0	3.0	76.9	72.9	94.7	101.5	91.9	2219
Hilleshog 2327	RHC	272.9	99.4	10169.8	102.5	16.1	99.5	91.2	100.1	37.5	103.2	4.3	99.5	4.0	100.5	3.8	97.2	75.0	97.5	99.3	102.5	2327
SV 894	RHC	271.1	98.7	9948.6	100.3	16.0	98.9	91.1	100.0	36.9	101.5	4.5	104.2	4.3	108.0	3.6	92.4	76.4	99.3	98.0	99.5	894

*Revenue per Ton and Revenue per Acre figures were produced using the payment calculation with factors released on Oct. 22, 2021 for the final 2021 crop payment.

** Lower numbers are better for all disease nursery ratings.

Table 2. Comparison of 2022 Fully Approved Varieties to Test Market and Specialty Approved Varieties - Two Years of Data (2020-2021)

Specialty	Rec/T (lbs)		Rec/A (lbs)		Sugar %		Purity (%)		Yield (T/A)		Aphanomyces Root Rating**		Cercospora Leaf Spot**		Rhizoctonia Root Rating**		Emergence (%)		Revenue per Ton*	Revenue per Acre*		
	2 yr	% of	2 yr	% of	2 yr	% of	2 yr	% of	2 yr	% of	2 yr	% of	2 yr	% of	2 yr	% of	2 yr	% of	% of	% of		
	avg	mean	avg	mean	avg	mean	avg	mean	avg	mean	avg	mean	avg	mean	avg	mean	avg	mean	mean	mean		
2022 Fully Approved Varieties - Two Years of Data (% of Mean is of Fully Approved Mean)																						
Crystal M837		273.6	101.3	10567.2	100.3	16.4	101.9	90.1	99.8	38.9	99.2	4.6	106.0	4.0	99.5	4.6	112.3	76.8	100.9	102.8	102.0	M837
SV 881	RHC	269.7	99.9	10497.9	99.7	16.1	100.0	90.3	100.0	39.2	100.0	4.1	94.5	4.1	102.0	4.2	102.4	72.9	95.8	100.0	100.0	881
SV 883	RHC	268.1	99.3	10528.8	100.0	16.0	99.4	90.1	99.8	39.4	100.5	4.4	101.4	4.3	107.0	3.8	94.3	79.6	104.6	98.4	98.9	883
SV RR862	RHC	267.6	99.1	10437.1	99.1	15.9	98.8	90.5	100.2	39.2	100.0	4.4	101.4	3.6	89.6	3.8	94.8	75.6	99.3	98.3	98.3	862
SV RR863	RHC	270.8	100.3	10630.1	100.9	16.1	100.0	90.5	100.2	39.3	100.3	4.2	96.8	4.1	102.0	3.9	96.2	75.6	99.3	100.5	100.7	863
Mean of Fully Approved:		270.0	100.0	10532.2	100.0	16.1	100.0	90.3	100.0	39.2	100.0	4.3	100.0	4.0	100.0	4.1	100.0	76.1	100.0	100.0	100.0	Mean
2022 Test Market Varieties for Limited Sales - Two Years of Data (% of mean is of Fully Approved Mean)																						
Beta 9044		283.0	104.8	10807.0	102.6	16.8	104.3	90.6	100.3	38.5	98.2	4.6	106.0	4.2	104.5	4.0	98.9	77.9	102.4	108.5	106.6	9044
Beta 9088		280.6	103.9	10806.4	102.6	16.7	103.7	90.4	100.1	38.8	99.0	4.5	103.7	4.2	104.5	4.0	99.7	74.7	98.2	106.9	105.8	9088
Crystal M028		279.0	103.3	10810.4	102.6	16.5	102.5	90.7	100.4	39.0	99.5	4.3	99.1	4.0	99.5	4.1	100.7	77.2	101.4	105.4	104.9	M028
Crystal M089	CLS	263.8	97.7	10857.1	103.1	15.8	98.1	90.0	99.7	41.5	105.9	4.3	99.1	2.6	64.7	3.7	91.7	78.0	102.5	95.9	101.6	M089
Hilleshog 2379		268.7	99.5	10420.0	98.9	16.0	99.4	90.3	100.0	38.9	99.2	4.2	96.8	4.3	107.0	4.2	104.6	76.8	100.9	98.9	98.1	2379
2022 Specialty Approved Varieties - Two Years of Data (% of mean is of Fully Approved Mean)																						
Beta 9952	RHC + CLS	262.3	97.2	9892.7	93.9	15.7	97.5	90.2	99.9	37.9	96.7	4.2	96.8	2.8	69.7	3.3	81.8	72.5	95.3	95.3	92.2	9952
Beta 9986	CLS	259.8	96.2	10843.4	103.0	15.6	96.9	90.0	99.7	42.0	107.1	4.4	101.4	2.3	57.2	4.1	101.5	77.1	101.3	93.7	100.4	9986
Beta 9098	CLS	271.6	100.6	11048.0	104.9	16.2	100.6	90.3	100.0	40.9	104.3	4.9	112.9	2.5	62.2	4.6	113.2	74.4	97.8	101.1	105.5	9098
Crystal M951	CLS	262.1	97.1	10986.2	104.3	15.7	97.5	89.9	99.6	42.0	107.1	4.7	108.3	2.6	64.7	4.4	108.8	75.9	99.7	94.6	101.4	M951
Crystal M977	RHC	265.1	98.2	11228.9	106.6	15.9	98.8	90.1	99.8	42.7	108.9	4.1	94.5	4.4	109.5	3.7	91.1	73.6	96.7	97.3	106.0	M977
Crystal M002	CLS	269.2	99.7	10943.1	103.9	16.1	100.0	90.1	99.8	40.9	104.3	4.5	103.7	2.0	49.8	4.4	109.0	76.5	100.5	99.5	103.8	M002
Hilleshog 2219	RHC	271.7	100.6	9812.2	93.2	16.2	100.6	90.3	100.0	36.4	92.9	4.9	112.9	4.2	104.5	3.2	78.2	73.6	96.7	101.1	93.9	2219
Hilleshog 2327	RHC	268.1	99.3	10665.9	101.3	16.0	99.4	90.2	99.9	40.1	102.3	4.1	94.5	4.1	102.0	3.9	96.3	73.7	96.8	98.6	100.9	2327
SV 894	RHC	266.5	98.7	10494.5	99.6	15.9	98.8	90.3	100.0	39.6	101.0	4.6	106.0	4.4	109.5	3.9	95.5	75.9	99.7	97.8	98.8	894

*Revenue per Ton and Revenue per Acre figures were produced using the payment calculation with factors released on Oct. 22, 2021 for the final 2021 crop payment.

** Lower numbers are better for all disease nursery ratings.

Table 3. Comparison of 2022 Fully Approved Varieties to Test Market and Specialty Approved Varieties - 1 Year Data (2021)

Specialty	Rec/T (lbs)		Rec/A (lbs)		Sugar %		Purity (%)		Yield (T/A)		Aphanomyces Root Rating**		Cercospora Leaf Spot**		Rhizoctonia Root Rating**		Emergence (%)		Revenue per Ton*	Revenue per Acre*		
	1 yr	% of	1 yr	% of	1 yr	% of	1 yr	% of	1 yr	% of	1 yr	% of	1 yr	% of	1 yr	% of	1 yr	% of	% of	% of		
	avg	mean	avg	mean	avg	mean	avg	mean	avg	mean	avg	mean	avg	mean	avg	mean	avg	mean	mean	mean		
2022 Fully Approved Varieties - One Year of Data (% of Mean is of Fully Approved Mean)																						
Crystal M837		262.0	101.6	11160.8	101.0	15.7	101.6	90.1	99.9	42.7	99.6	4.8	112.7	4.0	100.5	4.4	113.8	76.1	102.2	102.6	102.2	M837
SV 881	RHC	258.6	100.3	11132.8	100.8	15.5	100.3	90.2	100.0	43.1	100.6	3.9	91.5	4.0	100.5	4.0	103.5	69.6	93.5	100.4	101.0	881
SV 883	RHC	255.8	99.2	11127.2	100.7	15.4	99.6	90.0	99.8	43.5	101.5	4.6	108.0	4.2	105.5	3.6	91.8	78.1	104.9	98.7	100.2	883
SV RR862	RHC	253.9	98.4	10636.1	96.3	15.2	98.3	90.3	100.1	41.9	97.8	4.2	98.6	3.6	90.5	3.7	95.3	76.8	103.2	97.1	94.9	862
SV RR863	RHC	259.3	100.5	11180.6	101.2	15.5	100.3	90.5	100.3	43.1	100.6	3.8	89.2	4.1	103.0	3.7	95.6	71.6	96.2	101.2	101.8	863
Mean of Fully Approved:		257.9	100.0	11047.5	100.0	15.5	100.0	90.2	100.0	42.9	100.0	4.3	100.0	4.0	100.0	3.9	100.0	74.4	100.0	100.0	100.0	Mean
2022 Test Market Varieties - One Year of Data (% of mean is of Fully Approved Mean)																						
Beta 9044		271.3	105.2	11455.0	103.7	16.1	104.1	90.7	100.5	42.3	98.7	5.1	119.7	4.1	103.0	3.9	101.4	76.4	102.6	108.9	107.5	9044
Beta 9088		265.2	102.8	11401.1	103.2	15.9	102.8	90.2	100.0	43.1	100.6	4.8	112.7	4.1	103.0	4.0	102.9	71.9	96.6	105.2	105.8	9088
Crystal M028		266.3	103.2	11268.6	102.0	15.8	102.2	90.6	100.4	42.4	98.9	4.4	103.3	3.9	98.0	4.1	112.1	77.9	104.6	105.0	103.9	M028
Crystal M089	CLS	251.4	97.5	11497.4	104.1	15.2	98.3	89.9	99.6	45.8	106.9	4.2	98.6	2.5	62.8	3.5	105.0	76.9	103.3	96.1	102.7	M089
Hilleshog 2379		257.4	99.8	10830.3	98.0	15.4	99.6	90.3	100.1	42.0	98.0	4.3	100.9	4.1	103.0	4.3	110.7	76.0	102.1	99.5	97.5	2379
2022 Specialty Approved Varieties - One Year of Data (% of mean is of Fully Approved Mean)																						
Beta 9952	RHC + CLS	250.5	97.1	10315.3	93.4	15.1	97.7	90.0	99.8	41.3	96.4	4.4	103.3	2.8	70.4	3.2	83.5	70.5	94.7	95.2	91.7	9952
Beta 9986	CLS	247.3	95.9	11489.0	104.0	14.9	96.4	89.8	99.5	46.7	109.0	4.5	105.6	2.2	55.3	3.9	101.7	73.2	98.3	92.3	100.5	9986
Beta 9098	CLS	259.6	100.7	11676.3	105.7	15.5	100.3	90.4	100.2	44.8	104.5	4.9	115.0	2.3	57.8	4.8	123.5	72.2	97.0	100.9	105.5	9098
Crystal M951	CLS	252.8	98.0	11451.6	103.7	15.2	98.3	89.9	99.6	45.4	105.9	4.2	98.6	2.7	67.8	4.2	109.2	75.1	100.9	96.1	101.8	M951
Crystal M977	RHC	251.8	97.6	11943.2	108.1	15.3	99.0	89.4	99.1	47.5	110.8	4.2	98.6	4.3	108.0	3.6	92.7	70.0	94.0	96.0	106.4	M977
Crystal M002	CLS	257.3	99.8	11563.5	104.7	15.5	100.3	90.0	99.8	45.0	105.0	4.9	115.0	1.8	45.2	4.4	112.1	72.7	97.7	99.9	104.9	M002
Hilleshog 2219	RHC	252.7	98.0	10232.7	92.6	15.1	97.7	90.2	100.0	40.3	94.0	5.1	119.7	4.3	108.0	2.8	73.4	74.2	99.7	95.6	89.9	2219
Hilleshog 2327	RHC	254.1	98.5	11173.5	101.1	15.3	99.0	89.8	99.5	44.1	102.9	4.1	96.2	4.0	100.5	3.7	95.8	72.3	97.1	97.0	99.8	2327
SV 894	RHC	256.2	99.3	10955.7	99.2	15.4	99.6	90.2	100.0	42.9	100.1	4.7	110.3	4.4	110.6	3.8	96.7	74.7	100.3	99.2	99.3	894

*Revenue per Ton and Revenue per Acre figures were produced using the payment calculation with factors released on Oct. 22, 2021 for the final 2021 crop payment.

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