

Table 1. Comparison of 2020 Fully Approved Varieties to Test Market and Specialty Approved Varieties - Three Years of Data (2017-2019)

Specialty	Rec/T (lbs)		Rec/A (lbs)		Sugar %		Purity (%)		Yield (T/A)		Cercospora Leaf Spot**		Rhizoctonia Root Rating**		Aphanomyces 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	% of mean	% of mean

2020 Fully Approved Varieties - Three Years of Data (% of Mean is of Approved Mean)

Beta 9475		279.3	98.6	9361.6	97.6	16.2	98.6	92.1	100.0	33.6	99.0	4.0	98.9	4.6	92.0	4.3	101.7	77.2	101.6	96.5	95.5	Beta 9475
Beta 9780	CLS	284.4	100.5	9811.6	102.3	16.5	100.3	92.3	100.2	34.6	101.9	3.9	94.8	5.1	102.0	4.3	100.1	75.1	98.9	101.8	103.8	Beta 9780
Crystal M579		285.7	100.9	9609.7	100.2	16.6	101.1	91.8	99.7	33.7	99.1	4.3	106.4	5.3	106.0	4.2	98.2	75.6	99.5	101.7	101.0	Crystal M579

Mean **283.1** **100.0** **9594.3** **100.0** **16.4** **100.0** **92.1** **100.0** **34.0** **100.0** **4.1** **100.0** **5.0** **100.0** **4.3** **100.0** **75.9** **100.0** **100.0** **100.0** **Mean**

2020 Specialty Approved Varieties - Three Years of Data (% of mean is of Approved Mean)

Crystal M509	CLS	265.7	93.8	10049.7	104.7	15.5	94.3	91.9	99.8	37.9	111.6	3.9	94.9	4.6	92.0	4.3	99.7	77.2	101.7	84.9	94.8	Crystal M509
Crystal M623	RHC	276.8	97.7	8836.7	92.1	16.1	98.1	92.0	99.9	32.1	94.4	4.3	104.7	3.3	66.0	4.3	101.3	77.0	101.3	94.6	89.4	Crystal M623
Crystal RR018	RHC	273.5	96.6	8599.0	89.6	16.0	97.4	91.5	99.4	31.3	92.1	4.5	111.0	3.5	70.0	4.7	110.0	73.2	96.4	91.4	84.2	Crystal RR018
Hilleshog 9739	CLS/RHC	265.6	93.8	8119.4	84.6	15.4	93.7	92.0	99.9	30.5	89.7	4.1	100.3	3.5	70.0	5.1	119.9	73.7	97.0	83.6	75.1	Hilleshog 9739
SV RR862	CLS	274.3	96.9	9535.3	99.4	15.9	96.7	92.2	100.1	34.8	102.6	4.0	98.6	3.8	76.0	4.5	104.4	74.5	98.1	92.1	94.4	SV RR862
SV RR863	CLS	274.7	97.0	9663.6	100.7	15.9	96.6	92.3	100.2	35.2	103.7	3.7	91.8	3.8	76.0	4.5	104.5	72.3	95.2	92.4	95.8	SV RR863

*Revenue per Ton and Revenue per Acre figures were produced using the payment calculation with factors released on Nov. 28, 2018 for the 1st 2018 crop payment estimate.

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

Table 2. Comparison of 2020 Fully Approved Varieties to Test Market and Specialty Approved Varieties - Two Years of Data (2018-2019)

Specialty	Rec/T (lbs)		Rec/A (lbs)		Sugar %		Purity (%)		Yield (T/A)		Cercospora Leaf Spot**		Rhizoctonia Root Rating**		Aphanomyces Root Rating**		Emergence (%)		Revenue per Ton*	Revenue per Acre*
	2 yr avg	% of mean	2 yr avg	% of mean	2 yr avg	% of mean	2 yr avg	% of mean	2 yr avg	% of mean	2 yr avg	% of mean	2 yr avg	% of mean	2 yr avg	% of mean	2 yr avg	% of mean	% of mean	% of mean

2020 Fully Approved Varieties - Two Years of Data (% of Mean is of Approved Mean)

Beta 9475		276.1	98.8	8942.4	97.7	16.1	98.8	91.7	100.1	32.6	99.1	4.2	98.8	4.8	91.7	4.3	103.4	77.4	101.0	97.0	96.2	Beta 9475
Beta 9780	CLS	280.9	100.6	9342.5	102.1	16.4	100.4	91.9	100.3	33.4	101.6	4.1	95.9	5.3	101.3	4.1	98.6	75.5	98.6	102.5	104.1	Beta 9780
Crystal M579		281.0	100.6	9161.5	100.1	16.4	100.8	91.3	99.6	32.6	99.3	4.5	105.3	5.6	107.0	4.1	98.0	76.9	100.4	100.5	99.6	Crystal M579

Mean **279.3** **100.0** **9148.8** **100.0** **16.3** **100.0** **91.6** **100.0** **32.9** **100.0** **4.2** **100.0** **5.2** **100.0** **4.1** **100.0** **76.6** **100.0** **100.0** **100.0** **Mean**

2020 Test Market Varieties for Limited Sales - Two Years of Data (% of mean is of Approved Mean)

Beta 9810	CLS	276.7	99.0	9008.7	98.5	16.2	99.5	91.2	99.5	32.9	100.2	4.1	97.6	4.2	80.3	3.0	73.2	76.4	99.7	96.9	97.0	Beta 9810
Crystal M821	CLS	276.8	99.1	8726.4	95.4	16.1	98.7	91.6	100.0	31.5	95.8	3.8	88.8	5.1	97.5	3.3	79.2	78.0	101.8	96.7	92.6	Crystal M821
Crystal M837	CLS	280.7	100.5	9088.4	99.3	16.3	99.8	91.6	100.0	32.6	99.1	3.9	92.9	4.7	89.8	3.8	91.3	72.0	94.0	99.9	99.0	Crystal M837
Maribo MA801	CLS	268.3	96.1	7592.8	83.0	15.6	95.6	91.6	100.0	28.3	86.2	3.7	87.6	4.6	87.9	5.0	119.8	79.8	104.2	88.6	76.3	Maribo MA801
SV 881	CLS	271.1	97.1	9123.3	99.7	15.6	95.9	92.1	100.5	33.7	102.6	3.8	90.5	3.8	72.6	4.4	105.8	75.1	98.1	90.2	92.5	SV 881
SV 883		271.9	97.3	9000.5	98.4	15.8	96.6	91.7	100.1	33.2	100.9	4.2	98.8	3.6	68.8	4.3	104.0	75.1	98.1	92.2	93.1	SV 883

2020 Specialty Approved Varieties - Two Years of Data (% of mean is of Approved Mean)

Crystal M509	CLS	261.3	93.5	9745.1	106.5	15.4	94.1	91.4	99.8	37.5	114.0	4.1	95.9	4.9	93.6	4.2	100.4	80.4	105.0	84.7	96.6	Crystal M509
Crystal M623	RHC	270.0	96.7	8351.9	91.3	15.9	97.5	91.3	99.7	31.2	94.8	4.4	104.1	3.4	65.0	4.1	98.6	78.8	102.9	92.4	87.7	Crystal M623
Crystal RR018	RHC	267.9	95.9	7956.9	87.0	15.8	97.0	90.8	99.2	29.5	89.7	4.7	110.1	3.7	70.7	4.4	106.5	72.2	94.2	89.2	80.0	Crystal RR018
Hilleshog 2219	CLS	277.3	99.3	8025.3	87.7	16.0	98.3	91.9	100.3	29.1	88.5	4.0	94.7	3.4	65.0	4.9	117.9	72.7	95.0	96.1	85.0	Hilleshog 2219
Hilleshog 9739	CLS/RHC	262.2	93.9	7867.7	86.0	15.2	93.4	91.6	100.0	29.8	90.7	4.1	97.0	3.3	63.1	5.0	119.8	75.2	98.3	82.2	74.5	Hilleshog 9739
SV RR862	CLS	270.4	96.8	9089.3	99.3	15.7	96.4	91.7	100.2	33.7	102.5	3.8	89.3	3.7	70.7	4.3	103.4	77.8	101.5	90.6	92.8	SV RR862
SV RR863	CLS	269.5	96.5	9103.0	99.5	15.7	96.1	91.7	100.1	33.9	103.0	3.8	88.8	3.8	72.6	4.3	103.4	73.9	96.5	90.6	93.4	SV RR863

*Revenue per Ton and Revenue per Acre figures were produced using the payment calculation with factors released on Nov. 28, 2018 for the 1st 2018 crop payment estimate.

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

Table 3. Comparison of 2020 Fully Approved Varieties to Test Market and Specialty Approved Varieties - 1 Year Data (2019)

Specialty	Rec/T (lbs)		Rec/A (lbs)		Sugar %		Purity (%)		Yield (T/A)		Cercospora Leaf Spot**		Rhizoctonia Root Rating**		Aphanomyces 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	% of	% of
	avg	mean	avg	mean	avg	mean	avg	mean	avg	mean	avg	mean	avg	mean	avg	mean	avg	mean	mean	mean	mean	mean

2020 Fully Approved Varieties - One Year of Data (% of Mean is of Approved Mean)

Beta 9475		291.4	99.6	8485.0	96.7	16.8	99.8	92.7	100.1	29.1	97.2	4.1	99.2	4.9	84.5	4.4	104.8	82.2	102.1	99.7	96.9	Beta 9475
Beta 9780	CLS	293.6	100.4	8861.2	101.0	16.8	99.8	93.0	100.4	30.2	100.9	4.0	96.8	5.8	100.0	4.0	95.2	80.5	100.0	100.6	101.5	Beta 9780
Crystal M579		292.4	100.0	8967.8	102.2	16.9	100.4	92.2	99.5	30.5	101.9	4.3	104.0	6.7	115.5	4.2	100.0	78.9	98.0	99.6	101.5	Crystal M579

Mean **292.5** **100.0** **8771.3** **100.0** **16.8** **100.0** **92.6** **100.0** **29.9** **100.0** **4.1** **100.0** **5.8** **100.0** **4.2** **100.0** **80.5** **100.0** **100.0** **100.0** **100.0** **Mean**

2020 Test Market Varieties - One Year of Data (% of mean is of Approved Mean)

Beta 9810	CLS	289.1	98.8	8646.0	98.6	16.8	99.8	92.3	99.6	30.4	101.6	4.1	99.2	4.0	69.0	3.4	79.8	79.7	99.0	98.5	100.0	Beta 9810
Crystal M821	CLS	288.8	98.7	8500.6	96.9	16.7	99.2	92.5	99.9	29.4	98.2	3.7	89.5	6.2	106.9	3.5	83.3	81.5	101.2	97.6	95.9	Crystal M821
Crystal M837	CLS	294.5	100.7	8383.8	95.6	16.9	100.4	92.7	100.1	28.5	95.2	3.9	94.4	5.1	87.9	3.9	91.7	76.3	94.7	101.2	96.3	Crystal M837
Hilleshog 2327		282.5	96.6	9177.4	104.6	16.3	96.8	93.1	100.5	32.4	108.2	3.8	90.7	3.5	60.3	4.7	110.7	77.6	96.4	93.6	101.3	Hilleshog 2327
Maribo MA801	CLS	283.2	96.8	7222.7	82.3	16.3	96.8	92.8	100.2	25.3	84.5	3.7	88.3	4.6	79.3	5.2	122.6	84.9	105.4	92.7	78.4	Maribo MA801
SV 881	CLS	280.7	96.0	8739.8	99.6	16.1	95.6	93.0	100.4	31.1	103.9	3.7	89.5	3.3	56.9	4.6	108.3	79.9	99.2	90.4	93.9	SV 881
SV 883		279.7	95.6	8603.8	98.1	16.2	96.2	92.5	99.9	30.8	102.9	4.0	96.8	3.0	51.7	4.5	106.0	76.8	95.4	90.4	93.0	SV 883

2020 Specialty Approved Varieties - One Year of Data (% of mean is of Approved Mean)

Crystal M509	CLS	272.6	93.2	9241.5	105.4	15.9	94.5	92.4	99.7	33.9	113.3	4.0	96.8	5.2	89.7	4.5	106.0	82.3	102.2	85.7	97.1	Crystal M509
Crystal M623	RHC	283.9	97.1	7937.1	90.5	16.5	98.0	92.3	99.6	28.1	93.9	4.3	104.0	2.8	48.3	4.3	102.4	76.8	95.4	94.1	88.4	Crystal M623
Crystal RR018	RHC	283.6	97.0	7767.0	88.5	16.4	97.4	92.1	99.4	26.6	88.9	4.6	111.3	3.3	56.9	4.8	114.3	73.9	91.8	92.1	81.8	Crystal RR018
Hilleshog 2219	CLS	291.5	99.7	7522.5	85.8	16.6	98.6	93.2	100.6	25.8	86.2	3.9	94.4	2.6	44.8	4.8	114.3	71.4	88.7	98.3	84.7	Hilleshog 2219
Hilleshog 9739	RHC/CLS	271.3	92.8	7369.8	84.0	15.7	93.3	92.6	100.0	27.0	90.2	4.1	98.0	2.3	39.7	5.0	117.9	77.1	95.7	83.4	75.2	Hilleshog 9739
SV RR862	CLS	282.0	96.4	8726.7	99.5	16.3	96.8	92.5	99.9	30.9	103.2	3.8	90.7	2.9	50.0	4.5	106.0	80.8	100.3	91.8	94.8	SV RR862
SV RR863	CLS	281.8	96.4	9030.3	103.0	16.2	96.2	92.9	100.3	32.1	107.2	3.7	89.5	3.3	56.9	4.3	101.2	79.0	98.1	91.6	98.2	SV RR863

*Revenue per Ton and Revenue per Acre figures were produced using the payment calculation with factors released on Nov. 28, 2018 for the 1st 2018 crop payment estimate.

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