

Table 1. 2017 SMBSC Varieties Approved for Unlimited Sales

2017 Approved Varieties	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
Beta 92RR30	APH	277.8	100.1	8445.9	98.8	16.2	99.9	91.8	100.2	30.1	98.3	4.0	87.6	4.6	100.0	3.4	77.9	70.7	103.8	100.2	98.6
Beta 92RR60		279.9	100.9	8682.0	101.5	16.4	101.4	91.3	99.6	30.8	100.7	4.9	107.6	4.5	97.8	4.7	108.7	67.4	98.9	101.4	102.0
Beta 9475	CLS	277.6	100.1	9102.5	106.4	16.2	99.6	92.0	100.4	32.6	106.6	4.0	87.5	4.5	97.8	4.9	114.1	66.9	98.3	100.8	107.3
Crystal M375		280.3	101.1	8830.7	103.3	16.4	101.1	91.6	99.9	31.3	102.3	4.8	105.1	4.6	100.0	5.0	114.7	67.3	98.7	102.2	104.5
Crystal M380	APH	277.1	99.9	8432.1	98.6	16.1	99.5	91.9	100.3	30.2	98.7	4.6	100.1	4.2	91.3	3.5	79.8	67.9	99.7	99.2	97.9
Crystal RR270		273.5	98.6	8172.9	95.6	16.1	99.2	91.2	99.6	29.6	96.6	5.3	116.2	4.6	100.0	4.4	101.4	69.2	101.6	97.4	94.2
Maribo MA109RR	RHC	275.6	99.4	8198.1	95.9	16.1	99.3	91.7	100.1	29.6	96.8	4.4	95.8	3.2	69.6	4.5	103.4	67.5	99.1	98.7	95.4

Mean **277.4** **100.0** **8552.0** **100.0** **16.2** **100.0** **91.6** **100.0** **30.6** **100.0** **4.6** **100.0** **4.3** **100.0** **4.3** **100.0** **68.1** **100.0** **100.0** **100.0**

Specialty Approved Varieties with 3 Years of Data (% of mean is of Approved Mean)

Crystal RR018	RHC	270.2	97.4	8307.0	97.1	15.9	98.2	91.1	99.4	30.7	100.4	4.3	93.1	3.8	82.6	4.4	101.8	71.1	104.3	94.6	94.9
Hilleshog 9093RR	RHC	254.9	91.9	7883.6	92.2	15.2	93.4	90.7	99.0	30.8	100.6	4.4	95.8	3.3	71.7	5.0	115.0	68.6	100.8	84.8	85.3

Last Year of Sales (Variety did not make Approval Criteria in 2016)

Beta 90RR54		266.7	96.1	8596.0	100.5	15.7	96.6	91.4	99.8	32.1	104.8	4.2	90.8	4.0	87.0	4.1	94.5	70.9	104.1	92.9	97.4
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*Revenue per ton and Revenue per Acre figures were produced using the payment calculation for the 2016 crop.

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

Table 2. 2017 Test Market and Specialty Varieties Compared with SMBSC Fully Approved Varieties - Two Years of Data

2017 Approved Varieties	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
Beta 92RR30	APH	282.4	100.8	9302.7	100.1	16.4	100.4	92.1	100.3	32.7	99.1	4.1	89.2	4.7	106.8	3.3	77.9	70.0	102.3	101.7	100.9
Beta 92RR60		282.3	100.8	9304.8	100.1	16.6	101.5	91.3	99.4	32.7	99.0	4.8	106.1	4.6	104.5	4.7	110.5	66.8	97.7	102.1	101.2
Beta 9475	CLS	279.9	100.0	10011.4	107.7	16.2	99.4	92.3	100.5	35.6	108.0	4.0	86.8	4.5	102.3	4.8	114.1	68.0	99.4	99.7	107.7
Crystal M375		281.6	100.6	9428.0	101.4	16.4	100.6	91.8	100.0	33.2	100.8	4.8	104.1	4.8	109.1	4.7	111.3	68.8	100.6	100.9	101.6
Crystal M380	APH	279.7	99.9	9152.3	98.4	16.2	99.5	92.2	100.3	32.5	98.5	4.5	99.0	4.4	100.0	3.4	79.8	67.3	98.3	99.5	98.0
Crystal RR270		274.1	97.9	8728.8	93.9	16.1	98.6	91.3	99.4	31.5	95.6	5.5	120.6	4.7	106.8	4.4	103.9	70.0	102.3	95.9	91.6
Maribo MA109RR	RHC	280.2	100.1	9153.8	98.5	16.3	99.9	92.0	100.1	32.6	99.0	4.3	94.2	3.3	75.0	4.3	102.4	68.0	99.4	100.2	99.1
Mean		280.0	100.0	9297.4	100.0	16.3	100.0	91.9	100.0	33.0	100.0	4.6	100.0	4.4	100.0	4.2	100.0	68.4	100.0	100.0	100.0

2016 Test Market Varieties for Limited Sales with 2 Years Data (% of mean is of Approved Mean)

Beta 9545		279.0	99.6	9398.5	101.1	16.4	100.6	91.1	99.2	33.5	101.6	4.8	104.4	4.3	97.7	4.8	113.1	69.2	101.2	99.0	100.6
Beta 9565		274.3	98.0	9858.8	106.0	16.0	98.3	91.7	99.9	35.6	107.9	4.4	96.4	4.2	95.5	4.5	105.9	69.8	102.0	95.7	103.3
Crystal M579		288.6	103.1	9924.9	106.7	16.8	103.0	91.8	99.9	34.3	104.1	4.6	100.2	4.8	109.1	4.4	103.3	72.4	105.8	105.9	110.2
Hilleshog 9739		270.2	96.5	8671.8	93.3	15.7	96.5	92.1	100.2	31.8	96.6	4.1	88.8	3.6	81.8	4.8	113.7	64.6	94.5	93.0	89.6
SV RR958		269.2	96.1	9357.0	100.6	15.7	96.2	92.0	100.1	34.6	105.0	4.4	96.7	4.3	97.7	5.0	118.1	69.1	101.1	92.7	97.3

2016 Specialty Approved Varieties with 2 Years Data (% of mean is of Approved Mean)

Beta 9505	CLS	269.3	96.2	9513.4	102.3	15.7	96.2	92.0	100.2	35.2	106.7	3.8	83.0	4.3	97.7	3.8	89.7	69.6	101.7	92.7	98.9
Crystal M509	CLS	265.4	94.8	10709.0	115.2	15.5	95.0	92.0	100.1	40.2	121.8	3.7	81.8	4.4	100.0	3.8	89.6	71.6	104.7	90.2	110.0
Crystal RR018	RHC	272.6	97.3	9139.2	98.3	16.0	98.2	91.3	99.4	33.4	101.2	4.3	93.2	3.8	86.4	4.4	104.3	72.0	105.2	94.6	95.8
Hilleshog 9093RR	RHC	259.1	92.5	8718.9	93.8	15.3	93.9	91.1	99.1	33.5	101.7	4.3	95.1	3.3	75.0	4.8	114.1	68.2	99.7	85.5	86.8

Last Year of Sales (Variety did not make Approval Criteria in 2016) % of mean is of Approved Mean

Beta 90RR54		268.8	96.0	9449.7	101.6	15.7	96.3	91.8	99.9	35.0	106.0	4.1	90.3	4.3	97.7	4.3	101.1	71.1	103.9	92.2	97.8
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*Revenue per ton and Revenue per Acre figures were produced using the payment calculation for the 2016 crop.

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

Table 3. Comparison of 2017 Fully Approved Varieties to Test Market and Specialty Approved Varieties Based on 1 Year Data, 2016

2017 Approved Varieties	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 avg	% of mean	1 yr avg	% of mean	1 yr avg	% of mean	1 yr avg	% of mean	1 yr avg	% of mean	1 yr avg	% of mean	1 yr avg	% of mean	1 yr avg	% of mean	1 yr avg	% of mean	% of mean	% of mean
Beta 92RR30	APH	263.4	100.8	7956.0	99.1	15.5	100.5	91.7	100.2	30.0	98.3	4.2	92.3	4.6	102.2	3.4	80.6	64.6	102.2	102.0	100.1
Beta 92RR60		266.1	101.9	8004.0	99.7	15.8	102.6	90.8	99.3	29.9	97.8	4.6	101.2	4.6	102.2	4.6	108.7	60.3	95.3	103.6	101.3
Beta 9475	CLS	266.3	101.9	9022.6	112.4	15.5	100.9	92.2	100.8	33.7	110.4	4.1	89.3	4.5	100.0	5.1	119.4	66.6	105.4	103.4	114.0
Crystal M375		263.0	100.7	8323.6	103.7	15.5	100.5	91.6	100.1	31.4	102.9	4.9	106.7	4.7	104.4	4.5	104.3	64.5	102.0	101.7	104.4
Crystal M380	APH	258.7	99.0	7689.2	95.8	15.2	98.6	91.9	100.4	29.6	97.0	4.6	101.8	4.7	104.4	3.4	79.9	59.3	93.8	98.3	95.1
Crystal RR270		247.4	94.7	7084.1	88.3	14.8	96.1	90.6	99.0	28.4	93.0	5.4	118.5	4.7	104.4	4.2	97.8	65.8	104.1	89.0	82.7
Maribo MA109RR	RHC	264.1	101.1	8089.9	100.8	15.5	100.7	91.7	100.2	30.7	100.5	4.1	90.2	3.8	84.4	4.7	109.4	61.4	97.1	102.0	102.4

Mean 261.3 100.0 8024.2 100.0 15.4 100.0 91.5 100.0 30.5 100.0 4.6 100.0 4.5 100.0 4.3 100.0 63.2 100.0 100.0 100.0

2017 Test Market Varieties with 1 Year Data (% of mean is of Approved Mean)

Beta 9545		260.5	99.7	8157.1	101.7	15.5	100.7	90.8	99.2	31.1	101.9	4.6	101.8	4.3	95.6	4.5	104.4	62.6	99.0	99.4	101.1
Beta 9565		259.5	99.3	8693.1	108.3	15.3	99.3	91.6	100.1	33.2	108.9	4.5	97.6	4.2	93.3	4.4	102.4	64.6	102.2	98.9	107.3
Crystal M579		271.9	104.0	8844.6	110.2	16.0	103.9	91.4	99.9	32.6	106.6	4.5	98.2	5.0	111.1	4.3	101.1	66.8	105.6	108.2	115.4
Hilleshog 9739		252.5	96.6	7402.8	92.3	14.9	96.8	91.6	100.1	29.2	95.7	4.1	89.6	3.8	84.4	4.6	107.2	56.6	89.6	93.2	89.0
SV RR958		253.2	96.9	8235.8	102.6	14.9	96.8	91.7	100.2	32.5	106.3	4.6	101.1	4.4	97.8	5.5	128.4	61.3	97.0	93.5	99.3

2017 Specialty Approved Varieties with 1 Year Data (% of mean is of Approved Mean)

Beta 9505	CLS	254.1	97.2	8381.5	104.5	14.9	97.0	91.8	100.3	32.9	107.9	4.1	88.7	4.5	100.0	4.1	95.1	64.3	101.8	93.8	100.9
Crystal M509	CLS	251.7	96.3	9458.1	117.9	14.8	96.4	91.7	100.2	37.4	122.6	3.9	85.4	4.5	100.0	4.0	93.8	65.2	103.1	92.1	112.6
Crystal RR018	RHC	255.2	97.7	7869.8	98.1	15.1	98.4	91.1	99.5	30.7	100.4	4.4	96.4	3.8	84.4	4.7	109.8	66.1	104.6	94.6	95.0
Hilleshog 9093RR	RHC	242.0	92.6	7502.6	93.5	14.4	94.0	90.8	99.2	31.1	101.8	4.3	95.1	3.3	73.3	4.8	112.3	61.8	97.8	84.0	85.4

Last Year of Sales (Variety did not make Approval Criteria in 2016) % of mean is of Approved Mean

Beta 90RR54		251.7	96.3	8115.6	101.1	14.9	96.7	91.4	99.9	32.2	105.4	4.2	92.0	4.4	97.8	4.4	102.5	65.5	103.6	92.7	97.6
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*Revenue per ton and Revenue per Acre figures were produced using the payment calculation for the 2016 crop.

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