2027 SMBSC Approved Varieties

This document is a summary of field observations over the past few seasons, Official Variety Trial data, and SMBSC Variety Strip Trial information. This summary was compiled to provide another tool for you to select varieties for 2027. In this document varieties may be labeled as fully approved, test market, specialty approved, and last year of sale. Disease and yield data in this document are all based on two years of data unless otherwise stated. The Percent Revenue is calculated utilizing a payment calculator that averages the payments from the previous three years.

Fully approved varieties have met a series of yield and disease rating requirements over the course of at least two years of testing. SMBSC does not limit the sale of these varieties.

Test market varieties are generally varieties that have had one or two years of testing and may require further observation before making full approval. They are a good way for growers to get a look at new varieties on a limited acre basis. Test market varieties are limited to 10% of the Cooperative's acres.

Specialty varieties are varieties that may not have made full approval but are available for unlimited sale due to a positive attribute such as an exceptional disease rating or high sugar.

Last year of sale varieties are those that made approval at one time but no longer meet approval criteria. These varieties will be available in the coming year but will not be sold beyond that year.

Beta 9131

Full Approval/Rhizoc Specialty

Beta 9131 is maintaining the same approval status for 2027 as it had in 2026.

Revenue/Ton	95.3%
Revenue/Acre	94.0%
Aph Rating	3.7
CLS Rating	3.9
Rhizoc Rating	3.5

Strengths

- Beta 9131 has been tested for 6 years and has shown around average tons and sugar.
- It has a better than average Rhizoc score leading to it also having Rhizoc Specialty Approval.

Weaknesses

- Beta 9131 is an older CR+ variety. Its CLS rating has been impacted by the disease overcoming the CR+ gene. Ratings taken from the yield trials also show a poor CLS rating.

Additional Info

- This variety performs about average on Aph and Bacterial Leaf Spot.
- Use of Beta 9131 dropped from 17% of planted acres in 2025 to 3% in 2026.

Beta 9284

Full Approval

Beta 9284 is maintaining Full Approval status for 2027.

Revenue/Ton	97.4%
Revenue/Acre	98.1%
Aph Rating	3.1
CLS Rating	3.8
Rhizoc Rating	3.6

Strengths

- Beta 9284 has been tested for 5 years and has shown around average tons and sugar
- It has the best Aph rating of approved varieties.

Weaknesses

- Beta 9284 has traditional CLS genetics. Its CLS rating has been steady over time but requires an aggressive spray program. CLS ratings from the yield trials are around average.

Additional Info

- This variety performs better than average on Rhizoc and around average against Bacterial Leaf Spot.
- Beta 9284 was planted on 9% of acres in 2026.

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Beta 9369

Full Approval

Beta 9369 is maintaining the same approval status for 2027 as it had in 2026.

Revenue/Ton	105.7%
Revenue/Acre	105.8%
Aph Rating	4.1
CLS Rating	3.5
Rhizoc Rating	4.1

Strengths

- Beta 9369 has above average sugar and average tons.
- It was entered into the Variety Strip Trials in 2026 and showed similar results to the OVT.

Weaknesses

- This variety is weaker on Aph and Rhizoc and requires an in furrow or post emerge fungicide.

Additional Info

- This variety was the most popular variety in 2026, covering 25% of acres.
- It has maintained a moderate CLS rating. Yield trial CLS ratings are slightly worse than average. It has CR+ genetics.

Beta 9497

Full Approval/Rhizoc Specialty

Beta 9497 earned Full Approval and Rhizoc Specialty after a year of Test Market Approval in 2026.

Revenue/Ton	98.0%
Revenue/Acre	98.6%
Aph Rating	3.6
CLS Rating	3.9
Rhizoc Rating	3.4

Strengths

- Beta 9497 has around average tons and sugar.
- It performs better than average on Rhizoc, which has led to it being approved as a Rhizoc Specialty.

Weaknesses

- Beta 9497 is a CR+ variety. Its CLS rating has been impacted by the disease overcoming the CR+ gene. While the two-year mean is considered moderate. 2026 ratings from both the yield trials and nurseries are poor.

Additional Info

- This variety performs about average on Aph and Bacterial Leaf Spot.
- Beta 9497 was planted in the 2026 Variety Strip Trials. It performed slightly poorer than average likely due to CLS.

Beta 9599

Full Approval

Beta 9599 is earning Full Approval in 2027 after two years of testing.

Revenue/Ton	102.3%
Revenue/Acre	99.9%
Aph Rating	3.9
CLS Rating	3.6
Rhizoc Rating	3.9

Strengths

- Beta 9599 has slightly above average sugar.
- It has traditional CLS genetics. In the yield trials and nurseries, the CLS ratings were better than average.

Weaknesses

- This variety has slightly below average tons.
- Beta 9599 performs slightly worse than average against Aph.

Additional Info

- This variety performs about average on Rhizoc, CLS, and Bacterial Leaf Spot.

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Beta 9683*

Test Market

Revenue/Ton**	94.2%
Revenue/Acre**	85.6%
Aph Rating**	4.8
CLS Rating**	3.8
Rhizoc Rating**	4.4

Beta 9683 has earned Test Market Approval after 1 year** of testing.

***This variety is a Truvera variety. At the time of this being published Stryax is not labeled in sugar beets. Not all glufosinate products are labeled in beets. Always follow the pesticide label.**

Strengths

- Beta 9683 is one of two Truvera varieties being approved for 2027 after one year of testing.
- Ratings from the yield trials show a better than average CLS rating.

Weaknesses

- Beta 9683 is lower than average on tons and sugar.
- This variety is very weak on Rhizoc and Aph. Caution should be used when placing this variety. A Rhizoc fungicide is required.

Additional Info

- This trait will help to manage weeds, but growers should be aware of the variety's shortcomings. To bring this trait to the field as soon as possible, some yield and disease concessions have been made.

Crystal M977

Rhizoc Specialty

Revenue/Ton	89.4%
Revenue/Acre	90.6%
Aph Rating	3.5
CLS Rating	4.0
Rhizoc Rating	3.3

Crystal M977 is maintaining the same approval status for 2027 as it had in 2026.

Strengths

- After 8 years of testing Crystal M977 still has the strongest Rhizoc rating.
- It has around average tons.

Weaknesses

- This variety has lower than average sugar.
- As an older variety, Crystal M977 has traditional CLS genetics, and its CLS score is weaker than most of the newer approved varieties.

Additional Info

- Crystal M977 was planted on 17% of acres in 2026.
- It has average performance against Bacterial Leaf Spot.

Crystal M106

Full Approval

Revenue/Ton	98.8%
Revenue/Acre	98.9%
Aph Rating	3.2
CLS Rating	3.6
Rhizoc Rating	3.9

Crystal M106 is maintaining Full Approval for 2027.

Strengths

- This variety has one of the best Aph ratings.
- It has a moderate CLS rating with traditional genetics. Yield trial CLS ratings are better than most.

Weaknesses

- Crystal M106 overall performs around average for sugar, yield, and diseases. There are no obvious weaknesses.

Additional Info

- In the OVTs this variety generally produced a large canopy.
- In 2026, Crystal M106 was planted on 9% of acres.

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Crystal M432

Full Approval

Crystal M432 earned Full Approval after three years of testing and one year of Test Market Approval.

Revenue/Ton	101.6%
Revenue/Acre	99.5%
Aph Rating	3.6
CLS Rating	3.9
Rhizoc Rating	4.1

Strengths

- Crystal M432 has better than average sugar.
- It performs better than most against Bacterial Leaf Spot.

Weaknesses

- Crystal M432 has traditional CLS genetics. CLS ratings from the yield trial are slightly worse than average.
- It has slightly below average tons.

Additional Info

- This variety was planted in the Variety Strip Trials. It had the highest sugar of the varieties in the trial.
- In 2026 it was planted on 6% of acres.

Crystal M445

Full Approval/Rhizoc Specialty

Crystal M445 earned Full Approval after three years of testing and one year of Test Market Approval.

Revenue/Ton	99.6%
Revenue/Acre	102.4%
Aph Rating	3.4
CLS Rating	3.3
Rhizoc Rating	3.8

Strengths

- Crystal M445 has above average tons and around average sugar. Of the approved varieties its ESA was the highest in the OVTs.
- It also had the highest tons and ESA in the Variety Strip Trials.

Weaknesses

- Crystal M445 has CR+ genetics, and its CLS rating has been impacted by the disease overcoming the CR+ gene. In 2026, the CLS rating was almost a full point higher than the 2025 rating.

Additional Info

- This variety has made Rhizoc Specialty Approval as well owing to its relatively low Rhizoc rating.
- In 2026 it was planted on 11% of acres.

Crystal M583

Full Approval

Crystal M583 has earned Full Approval after two years of testing.

Revenue/Ton	101.3%
Revenue/Acre	102.7%
Aph Rating	3.5
CLS Rating	3.3
Rhizoc Rating	4.2

Strengths

- Crystal M583 has above average tons and around average sugar.
- After two years of testing, it has a better than average Aph rating.

Weaknesses

- This variety has a slightly worse than average Rhizoc rating and requires an in furrow or post emerge fungicide.

Additional Info

- This variety has only been tested for two years and has not been entered into SMBSC Variety Strip Trials.
- It has CR+ genetics and a low CLS rating in the nurseries and yield trials.

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Crystal M654*

Test Market

Revenue/Ton**	98.0%
Revenue/Acre**	90.3%
Aph Rating**	5.1
CLS Rating**	4.2
Rhizoc Rating**	4.9

Crystal M654 has earned Test Market Approval after 1 year** of testing.

***This variety is a Truvera variety. At the time of this being published Stryax is not labeled in sugar beets. Not all glufosinate products are labeled in beets. Always follow the pesticide label.**

Strengths

- Crystal M654 is one of two Truvera varieties being approved for 2027 after one year of testing.
- In year one of testing, it performed around average for sugar.

Weaknesses

- Crystal M654 is weaker than average on tons.
- This variety is very weak on CLS, Rhizoc and Aph. Caution should be used when placing this variety. A Rhizoc fungicide is required.

Additional Info

- This trait will help to manage weeds, but growers should be aware of the variety's shortcomings. To bring this trait to the field as soon as possible, some yield and disease concessions have been made.

Hilleshog 2395

Last Year of Sale

Revenue/Ton	86.5%
Revenue/Acre	84.3%
Aph Rating	4.2
CLS Rating	4.0
Rhizoc Rating	4.3

Hilleshog 2395 will be available for a final year in 2027 after four years of Test Market Approval.

Strengths

- Hilleshog 2395 performs better than most against Bacterial Leaf Spot.

Weaknesses

- This variety has lower than average sugar.
- It requires a very aggressive CLS spray program.
- Caution should be used when placing this variety due to Aph and Rhizoc ratings.

Additional Info

- Hilleshog 2395 was planted on 2% of acres in 2026.
- It has been entered into Variety Strip Trials for several years, and its performance has been variable. In 2026, it performed poorly in most of the strip trials.

SesVanderhave 852

Test Market

Revenue/Ton	97.2%
Revenue/Acre	89.6%
Aph Rating	4.4
CLS Rating	4.0
Rhizoc Rating	4.1

SesVanderhave 852 has earned Test Market Approval after 2 years of testing.

Strengths

- SV 852 has average sugar.
- It performs around average against Bacterial Leaf Spot.

Weaknesses

- SV 852 has weaker than average root disease ratings. Caution should be used when placing this variety.
- It has worse than average CLS ratings in both the nurseries and the yield trials.

Additional Info

- This variety is making Test Market Approval after two years of testing. It has not been entered into SMBSC Variety Strip Trials.

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SesVanderhave 864

Test Market

SesVanderhave 864 has earned Test Market Approval after 1 year** of testing.

Revenue/Ton**	97.4%
Revenue/Acre**	88.7%
Aph Rating**	4.4
CLS Rating**	3.9
Rhizoc Rating**	4.3

Strengths

- SV 864 has slightly below average sugar.

Weaknesses

- This variety has weaker than average Aph and Rhizoc ratings.
- The first year of CLS ratings in the yield trials and nurseries were slightly worse than average.

Additional Info

- This variety is making Test Market Approval after one year of testing. It has not been entered into SMBSC Variety Strip Trials.

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