

RECOMMENDED LIST OF SUGAR BEET VARIETIES 2026 (Based on trials from 2022-2024)

| Rz1 rhizomania varieties   |                     | BTS1915 | Amler   | Katjana KWS | Harryeta KWS | Daphna | Chyma KWS | Gaskwall | Amatina KWS | Josephina KWS | Hoopce | Asian | Morgan | Magpie | BTS3410 | ST Tweed | Button | Osprey | Smart Uma KWS | Generosa KWS | BTS Smart 9485 | Smart Vesnica KWS | Smart Nelda KWS | Manuscha KWS |       |       |       |
|--|---------------------|---------|---------|-------------|--------------|--------|-----------|----------|-------------|---------------|--------|-------|--------|--------|---------|----------|--------|--------|---------------|--------------|----------------|-------------------|-----------------|--------------|-------|-------|-------|
| Status: (C) = control variety <sup>1</sup>                                 |                     | Y6(C)   | Y1      | Y5(C)       | Y4(C)        | Y9(C)  | Y2        | Y1       | Y4(C)       | Y2            | Y1     | Y1    | Y4     | Y2     | Y4      | SY2      | Y4     | Y3     | SY2           | SY1          | SY4            | SY3               | SY1             | SY5          |       |       |       |
| AYPR/BCN/ALS/NY as claimed by the Breeder                                  |                     | -       | -       | BCN         | BCN          | BCN    | CERC      | -        | -           | -             | BCN    | -     | -      | -      | -       | V        | BCN    | AYPR   | ALS           | V            | ALS            | ALS               | ALS/BCN         | V            |       |       |       |
| CROP YIELDS <sup>2</sup>   | MEAN                | SE      |         | 95% lsd     |              |        |           |          |             |               |        |       |        |        |         |          |        |        |               |              |                |                   |                 |              |       |       |       |
| Adjusted tonnes % of C=100% <sup>3</sup>                                   | 99.1 t/ha           | 100.0   | 1.23    | 3.4         | 101.4        | 100.6  | 99.9      | 99.8     | 99.6        | 99.4          | 99.4   | 99.3  | 98.4   | 97.7   | 97.3    | 96.8     | 96.7   | 96.6   | 96.6          | 95.4         | 94.9           | 94.1              | 92.6            | 91.6         | 91.1  | 89.5  | 87.3  |
| Sugar yield % of C=100% <sup>3</sup>                                       | 15.9 t/ha           |         |         | 3.4         | 101.4        | 100.6  | 99.9      | 99.8     | 99.6        | 99.4          | 99.4   | 99.3  | 98.4   | 97.7   | 97.3    | 96.8     | 96.7   | 96.6   | 96.6          | 95.4         | 94.9           | 94.1              | 92.6            | 91.6         | 91.1  | 89.5  | 87.3  |
| Root yield % of C=100% <sup>3</sup>  | 95.0 t/ha           |         |         | 3.3         | 102.2        | 99.4   | 98.9      | 100.6    | 100.3       | 99.5          | 99.1   | 98.1  | 96.2   | 98.3   | 97.1    | 96.1     | 96.2   | 96.1   | 96.5          | 95.7         | 94.4           | 93.1              | 90.2            | 93.0         | 90.0  | 86.4  | 86.7  |
| Sugar content %  | 16.7%               |         |         | 0.27        | 16.5         | 16.8   | 16.9      | 16.6     | 16.6        | 16.6          | 16.7   | 16.9  | 17.1   | 16.6   | 16.7    | 16.8     | 16.7   | 16.8   | 16.7          | 16.6         | 16.7           | 16.8              | 17.1            | 16.4         | 16.9  | 17.2  | 16.8  |
| BOLTERS per 100,000 plants/ha  | MEAN                | 95% lsd |         | 99.9% lsd   |              |        |           |          |             |               |        |       |        |        |         |          |        |        |               |              |                |                   |                 |              |       |       |       |
| *X* Unsuitable for sowing BEFORE Mid March                                 |                     |         |         | X           |              |        |           |          |             | X             |        |       |        |        |         |          |        |        |               | X            | X              | X                 | X               | X            | X     |       |       |
| *X* Unsuitable for sowing BEFORE Mid March (Breeder claim)                 |                     |         |         |             |              |        |           |          |             |               |        |       |        |        |         |          |        |        |               |              |                |                   |                 |              |       |       |       |
| Early sowing, before 5 March <sup>4</sup>                                  | 2,206 t/ha          | 3,966   |         | 5,684       | 8,016        | [3169] | 1,871     | 1,805    | 2,573       | 7,260         | [1904] | 2,681 | 1,432  | [3365] | 1,541   | 5,683    | 2,899  | 4,395  | 1,851         | 3,093        | 2,690          | 3,074             | 8,099           | 2,767        | 2,097 | 1,218 | 6,586 |
| Normal sowing  | 14 t/ha             | -       |         | 117         | 30           | 0      | 19        | 14       | 0           | 14            | 0      | 9     | 0      | 0      | 0       | 33       | 33     | 19     | 57            | 9            | 21             | 38                | 14              | 0            | 0     | 14    | 26    |
| PRE-GAPPING ESTABLISHMENT <sup>5</sup>                                     | 95% lsd             |         |         |             |              |        |           |          |             |               |        |       |        |        |         |          |        |        |               |              |                |                   |                 |              |       |       |       |
| Control  | 100%                | 3.5%    |         | 101.8       | 100.3        | 99.8   | 100.8     | 100.6    | 100.4       | 101.6         | 97.1   | 98.7  | 99.0   | 100.8  | 100.7   | 100.4    | 98.9   | 96.3   | 98.8          | 100.0        | 97.8           | 95.4              | 94.6            | 100.9        | 97.4  | 98.2  |       |
| TOTAL MEASURED IMPURITIES (IMP/100G SUGAR)                                 | 15% above mean of C |         | 95% lsd |             |              |        |           |          |             |               |        |       |        |        |         |          |        |        |               |              |                |                   |                 |              |       |       |       |
| Control  | 3.60                | 4.14    |         | 0.188       | 3.86         | 3.51   | 3.33      | 3.56     | 3.68        | 3.72          | 3.60   | 3.56  | 3.39   | 3.47   | 3.45    | 3.29     | 3.47   | 3.44   | 3.36          | 3.44         | 3.42           | 4.01              | 3.45            | 3.40         | 3.88  | 3.41  | 3.86  |
| DISEASE (1 = high leaf infection 9 = very low leaf infection) <sup>6</sup> | Average             |         |         |             |              |        |           |          |             |               |        |       |        |        |         |          |        |        |               |              |                |                   |                 |              |       |       |       |
| Rust   |                     | 5.0     |         | 6.6         | [3.4]        | 3.8    | 3.9       | 4.9      | 7.0         | [4.1]         | 6.0    | 6.2   | [1.3]  | [4.3]  | 4.1     | 4.2      | 6.0    | 5.1    | 5.1           | 5            | 7.4            | [7.4]             | 5.6             | 6.3          | [6.5] | 6.4   |       |
| Powdery mildew   |                     | 5.5     |         | 5.3         | [3.5]        | 5.6    | 5.9       | 5.7      | 5.9         | [5.7]         | 5.6    | 1.3   | [3.6]  | [5.8]  | 4.1     | 4.7      | 5.5    | 6.1    | 5.3           | 5            | 6.1            | [5.5]             | 6.5             | 5.3          | [5.8] | 3.2   |       |
| Cercospora   |                     | 7.4     |         | [8.0]       | -            | [7.4]  | [7.3]     | [7.9]    | [8.5]       | -             | [6.6]  | [7.9] | -      | -      | [7.4]   | [8.2]    | [7.7]  | [8.0]  | [6.8]         | [7.9]        | [7.6]          | -                 | [5.2]           | [7.5]        | -     | [8.6] |       |
| OTHER CLAIMS   |                     |         |         |             |              |        |           |          |             |               |        |       |        |        |         |          |        |        |               |              |                |                   |                 |              |       |       |       |
| AYPR (Aggressive rhizomania)   |                     |         |         | -           | -            | -      | -         | -        | -           | -             | -      | -     | -      | -      | -       | -        | -      | -      | -             | Y            | -              | -                 | -               | -            | -     | -     |       |
| ALS (Herbicide Tolerant)   |                     |         |         | -           | -            | -      | -         | -        | -           | -             | -      | -     | -      | -      | -       | -        | -      | -      | -             | -            | Y              | -                 | Y               | Y            | Y     | -     |       |
| BCN (as claimed by the Breeder)  |                     |         |         | -           | -            | Y      | Y         | Y        | -           | -             | -      | -     | -      | Y      | -       | -        | -      | -      | -             | Y            | -              | -                 | -               | -            | Y     | -     |       |
| V (as claimed by the Breeder) <sup>7</sup>                                 |                     |         |         | -           | -            | -      | -         | -        | -           | -             | -      | -     | -      | -      | -       | -        | -      | -      | V             | -            | -              | -                 | V               | -            | -     | V     |       |
| CERC (as claimed by the Breeder)   |                     |         |         | -           | -            | -      | -         | -        | Y           | -             | -      | -     | -      | -      | -       | -        | -      | -      | -             | -            | -              | -                 | -               | -            | -     | -     |       |
| RL SYSTEM  |                     |         |         |             |              |        |           |          |             |               |        |       |        |        |         |          |        |        |               |              |                |                   |                 |              |       |       |       |
| Year first listed  |                     |         |         | 2020        | 2025         | 2021   | 2022      | 2017     | 2024        | 2025          | 2022   | 2024  | 2025   | 2025   | 2022    | 2024     | 2022   | 2024   | 2022          | 2024         | 2022           | 2024              | 2025            | 2022         | 2023  | 2025  | 2021  |
| BREEDER/UK CONTACT <sup>8</sup>  |                     |         |         |             |              |        |           |          |             |               |        |       |        |        |         |          |        |        |               |              |                |                   |                 |              |       |       |       |
| Breeder  |                     |         |         | BTS         | SV           | KWS    | KWS       | KWS      | KWS         | SV            | KWS    | KWS   | SV     | HH     | STR     | SV       | BTS    | STR    | STR           | SV           | KWS            | KWS               | BTS             | KWS          | KWS   | KWS   |       |
| UK Agent   |                     |         |         | LG          | SV           | KWS    | KWS       | KWS      | KWS         | SV            | KWS    | KWS   | SV     | SV     | STR     | SV       | LG     | STR    | STR           | SV           | KWS            | KWS               | LG              | KWS          | KWS   | KWS   |       |

1 Newly listed varieties (Y1/SY1) have results from three years using approximately 2 kgs breeders' seed. Thereafter commercial seed should be used in RL trials. (See supplementary table).

2 31 trials were drilled and had data collected over the 3 years; 25 of these trials were harvested.

3 Yields based on an average plant population of 101,100 plants/ha in these trials. Differences in adjusted tonnes of less than 3.4% should be treated with reserve.

4 The ratings from normal sowings are applicable for sowing after mid-March in most seasons.

5 Differences in establishment of less than 3.5% should be treated with reserve.

6 Cercospora ratings should be treated with caution with no available data in 2022.

7 Breeders claims are for partial tolerance to some of the yellowing viruses

8 BTS = Betaseed, KWS = KWS UK Ltd, LG = Limagrain UK Ltd, STR = Strube Sugar Beet UK Ltd, SV = SESVanderHave UK Ltd, HH = Hilleshög  
 [-] - limited data