



Scottish Recommended Lists for Cereals 2023/24

Tables

Data are from AHDB Recommended List Trials, and BSPB and Scottish Government funded National List Trials



Scottish Recommended Lists for Cereals 2023/24

Spring barley Grain yield of 100 = 7.8 t/ha

| Year First Listed | Recommendation | | Grain yield as % of treated Control | Yield loss (%) if untreated | Malting market options and MBC† approval | | | Screenings <2.5 mm (%) | Specific weight (kg/hl) | Maturity days +/- RGT Planet | Straw strength 1 to 9; weak to stiff (without PGR) | Straw length (cm) without PGR | Brackling risk 1 to 9; low to high | Disease resistance; 1 susceptible to 9 resistant | |
|-------------------|----------------|-------------|-------------------------------------|-----------------------------|--|------|-------|------------------------|-------------------------|------------------------------|--|-------------------------------|------------------------------------|--|----------------|
| | | | | | Dist. | Brew | Grain | | | | | | | Mildew | Rhynchosporium |
| 2023 | P1 | SY Tennyson | 106 | 13 | P | P | N | 2.6 | 66.6 | +1 | [7] | [69] | 7 | 9 | [3] |
| 2023 | P1 | Diviner | 105 | 12 | P | N | N | 4.0 | 67.7 | +1 | [8] | [67] | 9 | 9 | [3] |
| 2023 | P1 | KWS Curtis | 103 | 11 | N | N | N | 5.2 | 67.5 | +1 | [8] | [69] | 9 | 9 | [7] |
| 2020 | R | Firefoxx | 103 | 11 | F | N | N | 3.6 | 67.1 | 0 | 7 | 69 | 8 | 9 | 5 |
| 2016 | R | Laureate | 102 | 9 | F | F | N | 3.0 | 67.2 | +1 | 6 | 70 | 8 | 9 | 7 |
| 2018 | R | LG Diablo | 102 | 9 | F | F | N | 3.2 | 67.8 | +2 | 7 | 71 | 8 | 9 | 6 |
| 2016 | R | KWS Sassy | 98 | 8 | F | N | N | 2.2 | 69.1 | +1 | 6 | 78 | 6 | 9 | 6 |
| 2016 | S | Fairing | 92 | 9 | N | N | F | 2.6 | 68.9 | -2 | 8 | 70 | 8 | 8 | 8 |
| 2023 | P1 | SY Signet | 105 | 9 | N | P | N | 3.1 | 67.4 | +1 | [8] | [71] | 8 | 9 | [5] |
| 2023 | P1 | Florence | 104 | 10 | N | N | N | 2.7 | 68.2 | 0 | [8] | [69] | 9 | 8 | [6] |
| 2023 | P1 | Sun King | 103 | 8 | N | P | N | 2.5 | 67.7 | +1 | [8] | [72] | 9 | 9 | [4] |
| 2021 | P3 | Skyway | 102 | 11 | N | F | N | 2.4 | 69.4 | +1 | 7 | 75 | 7 | 9 | 7 |
| 2015 | R | RGT Planet | 99 | 9 | N | F | N | 3.2 | 68.8 | 0 | 7 | 73 | 8 | 8 | 6 |
| 2023 | P1 | Hurler | 106 | 13 | N | N | N | 4.4 | 66.2 | +1 | [9] | [65] | 9 | 8 | [6] |
| 2020 | R | Prospect | 101 | 10 | N | N | N | 4.1 | 68.5 | +1 | 7 | 70 | 9 | 9 | 7 |

Colour code

Good

Towards good

Intermediate

Towards poor

Poor

| | | |
|---|------------------------------|---------------------------------|
| R = Recommended for general use | † = Malting Barley Committee | F = MBC Full Approval |
| P1, P2 or P3 = Provisional Year 1, 2 or 3 | Dist. = Malting distilling | P = MBC Provisional Approval |
| S = Specific use variety | Brew = Brewing | T = Under test for MBC approval |
| [] = AHDB limited data | Grain = Grain distilling | N = Not suitable for this use |

Data from AHDB Recommended List trials. The full data sets collected are available on the AHDB Cereals & Oilseeds website <https://ahdb.org.uk/rl>

Scottish Recommended Lists for Cereals 2023/24

Winter barley Grain yield of 100 = 10.4 t/ha

| Year First Listed | Recommendation | | Grain Yield as % of treated control | Yield loss (%) if untreated | Soil type: Yield as % of control | | MBC† Malting Approval (Brewing) | Screenings <2.5 mm (%) | Specific Weight (kg/hl) | Maturity days +/- KWS Orwell | Straw Strength 1 to 9; weak to stiff without PGR | Straw length (cm) no PGR | Disease resistance; 1 susceptible to 9 resistant | | |
|-------------------|----------------|-------------------------|-------------------------------------|-----------------------------|----------------------------------|------------|---------------------------------|------------------------|-------------------------|------------------------------|--|--------------------------|--|----------------|------------|
| | | | | | Light soil | Heavy soil | | | | | | | Mildew | Rhynchosporium | Net Blotch |
| 2023 | P1 | LG Caravelle | [104] | 17 | 103 | [106] | N | 4.3 | 71.8 | 0 | --- | [93] | 7 | 6 | [5] |
| 2022 | P2 | Lightning | 103 | 13 | 102 | 103 | N | 5.5 | 69.4 | 0 | [6] | 92 | 7 | 7 | 5 |
| 2021 | R | KWS Tardis | 102 | 18 | 102 | 107 | N | 5.2 | 70.6 | 0 | 8 | 95 | 5 | 6 | 5 |
| 2021 | R | Bolton | 102 | 17 | 103 | 105 | N | 4.7 | 69.9 | 0 | 7 | 94 | 6 | 5 | 5 |
| 2023 | P1 | Bolivia | [102] | 15 | 104 | [104] | N | 2.6 | 70.2 | 0 | --- | [91] | 7 | 6 | [6] |
| 2019 | R | LG Mountain | 101 | 19 | 102 | 102 | N | 5.8 | 71.1 | -1 | 6 | 91 | 5 | 5 | 5 |
| 2022 | P2 | LG Dazzle | 101 | 13 | 102 | 104 | N | 5.8 | 69.5 | +1 | [7] | 93 | 6 | 7 | 5 |
| 2019 | O | Valerie | 100 | 21 | 99 | [100] | N | 1.9 | 71.2 | -1 | 7 | 93 | 7 | 6 | 5 |
| 2023 | P1 | Buccaneer | [102] | 13 | 99 | [99] | P | 6.7 | 70.3 | +1 | --- | [99] | 6 | 7 | [6] |
| 2016 | S | Craft | 94 | 15 | 95 | 95 | F | 6.7 | 70.7 | 0 | 7 | 96 | 6 | 6 | 5 |
| 2017 | O | Funky | 103 | 14 | 102 | 102 | N | 13.4 | 70.0 | -1 | 8 | 95 | 5 | 6 | 5 |
| 2022 | P2 | KWS Feeris ¹ | 100 | 18 | 101 | 105 | N | 5.3 | 69.8 | 0 | [8] | 100 | 4 | 6 | 6 |
| 2019 | R | SY Kingsbarn | 107 | 21 | 105 | 105 | N | 5.4 | 70.9 | 0 | 6 | 111 | 7 | 6 | 5 |
| 2021 | R | SY Kingston | 106 | 18 | 106 | 104 | N | 9.0 | 70.7 | -1 | 6 | 117 | 8 | 6 | 6 |
| 2021 | R | SY Thunderbolt | 105 | 17 | 104 | 107 | N | 7.5 | 70.9 | -1 | 5 | 111 | 7 | 6 | 6 |
| 2022 | P2 | SY Canyon | 105 | 15 | 105 | 105 | N | 6.4 | 71.7 | 0 | [7] | 115 | 7 | 6 | 5 |
| 2023 | P1 | SY Nephin | [105] | 15 | 104 | [104] | N | 10.9 | 71.4 | 0 | --- | [110] | 6 | 8 | [5] |
| 2016 | O | Bazooka | 104 | 20 | 103 | 105 | N | 8.1 | 70.5 | 0 | 6 | 117 | 5 | 7 | 5 |

Colour code

Good

Towards good

Intermediate

Towards poor

Poor

| | | | | |
|------------------------------------|---|-------------------------------|---|-------------------------|
| R = Recommended for general use | S = Specific use variety | F = MBC Full Approval | P = MBC Provisional Approval | [] = AHDB limited data |
| P1 or P2 = Provisional Year 1 or 2 | † = Malting Barley Committee | N = Not suitable for this use | ¹ Variety is believed to have tolerance to <i>Barley yellow dwarf virus</i> (BYDV) | |
| O = Becoming outclassed | BaYMV: All varieties listed are believed to have resistance to <i>Barley mild mosaic virus</i> (BaMMV) and <i>Barley yellow mosaic virus</i> (BaYMV) strain 1 | | | |

Data from AHDB Recommended List trials. The full data sets collected are available on the AHDB Cereals & Oilseeds website <https://ahdb.org.uk/rl>

Scottish Recommended Lists for Cereals 2023/24

Winter wheat Grain yield of 100 = 11.3 t/ha

| Year First Listed | Recommendation | | Grain yield as % of treated Control | Yield loss (%) if untreated | Use as a 2 nd cereal | Quality markets | | Specific weight (kg/hl) | HFN (s) | Maturity days +/- Skyfall | Straw strength 1-9; weak to stiff | | Straw length (cm) no PGR | Sprout-ing resistance | Disease resistance; 1 susceptible to 9 resistant | | | | |
|-------------------|----------------|-------------------------|-------------------------------------|-----------------------------|---------------------------------|-----------------|------------|-------------------------|---------|---------------------------|-----------------------------------|----------|--------------------------|-----------------------|--|-------------|------------------|----------|-----------|
| | | | | | | Distill-ing | UK Milling | | | | without PGR | with PGR | | | Mildew | Yellow Rust | Septoria tritici | Eye-spot | Fus-arium |
| 2022 | P2 | RGT Stokes | 103 | 15 | Good | Good | --- | 76.2 | 255 | +2 | 5 | 6 | 91 | [6] | 5 | 7 | 6.3 | [5] | 6 |
| 2022 | P2 | RGT Bairstow | 103 | 16 | Good | Good | --- | 76.8 | 239 | +2 | 6 | 6 | 91 | [6] | 6 | 8 | 6.0 | [4] | 6 |
| 2023 | P1 | LG Redwald | [103] | 15 | Good | Med | --- | 75.5 | 172 | +2 | [5] | 5 | 94 | [6] | 6 | 7 | 6.7 | [6] | 6 |
| 2019 | R | LG Skyscraper | 102 | 17 | Good | Med | --- | 77.3 | 227 | 0 | 6 | 6 | 92 | 6 | 7 | 7 | 4.9 | [6] | 6 |
| 2020 | R | RGT Saki | 102 | 16 | Mod | Poor | --- | 76.4 | 231 | +2 | 6 | 7 | 89 | 5 | 5 | 9 | 5.4 | [5] | 6 |
| 2023 | P1 | KWS Zealum | [102] | 17 | Good | Med | --- | 76.7 | 218 | +2 | [6] | 8 | 88 | [6] | 7 | 9 | 5.8 | [6] | 7 |
| 2018 | O | Elation | 101 | 20 | Good | Good | --- | 77.5 | 220 | +1 | 7 | 8 | 82 | 6 | 7 | 8 | 4.3 | [5] | 6 |
| 2021 | P3 | Swallow | 101 | 18 | Mod | Good | --- | 76.7 | 269 | +1 | 8 | 9 | 79 | [5] | 6 | 6 | 5.3 | [4] | 6 |
| 2016 | O | KWS Barrel ¹ | 102 | 23 | Poor | Poor | Biscuit | 77.4 | 247 | +1 | 8 | 8 | 84 | 6 | 6 | 6 | 4.6 | [4] | 5 |
| 2021 | R | LG Illuminate | 100 | 13 | Mod | Med | Biscuit | 77.0 | 262 | +1 | 7 | 7 | 83 | [6] | 5 | 7 | 5.8 | [6] | 6 |
| 2022 | P2 | KWS Brium | 100 | 17 | Mod | Med | Biscuit | 78.0 | 278 | +2 | 7 | 7 | 92 | [6] | 7 | 9 | 5.6 | [6] | 6 |
| 2022 | P2 | KWS Dawsum | 105 | 9 | Good | --- | --- | 80.0 | 311 | +1 | 7 | 7 | 84 | [7] | 8 | 9 | 6.4 | [6] | 7 |
| 2020 | R | SY Insitor | 105 | 22 | Good | --- | --- | 78.9 | 279 | +1 | 6 | 7 | 94 | 5 | 7 | 5 | 6.4 | [4] | 7 |
| 2018 | O | Gleam | 103 | 19 | Good | --- | --- | 77.3 | 237 | 0 | 7 | 7 | 87 | 6 | 7 | 5 | 5.7 | [5] | 6 |
| 2022 | P2 | LG Typhoon | 101 | 9 | Good | --- | --- | 77.1 | 183 | +1 | 7 | 7 | 87 | [5] | 6 | 9 | 7.3 | [6] | 6 |
| 2023 | P1 | KWS Ultimatum | [103] | 8 | Mod | --- | Bread | 79.6 | 287 | +1 | [7] | 7 | 85 | [7] | 7 | 9 | 6.4 | [5] | 7 |
| 2019 | S | KWS Extase ² | 100 | 5 | Mod | --- | Bread | 79.4 | 294 | -1 | 7 | 8 | 91 | 6 | 7 | 8 | 7.8 | [4] | 6 |
| 2022 | P2 | KWS Palladium | 99 | 6 | Mod | --- | Bread | 77.6 | 320 | -1 | 7 | 8 | 83 | [6] | 8 | 9 | 7.4 | [6] | 6 |

Colour code

Good

Towards good

Intermediate

Towards poor

Poor

| | | | |
|---|------------------------------|---|---------------------------|
| R = Recommended for general use | O = Becoming outclassed | [] = AHDB limited data | --- = not for this market |
| P1, P2 or P3 = Provisional Year 1, 2 or 3 | HFN = Hagberg falling number | ¹ Variety is no longer on the AHDB Recommended List | |
| S = Specific use variety | Mod = Moderate; Med = Medium | ² Variety may show weakness to ear sterility on exposed land or fields prone to late spring frosts | |

Data from AHDB Recommended List trials. The full data sets collected are available on the AHDB Cereals & Oilseeds website <https://ahdb.org.uk/rl>

Scottish Recommended Lists for Cereals 2023/24

Spring oats Grain yield of 100 = 7.1 t/ha

| Year first listed | Recommendation | | UK Grain yield as % of treated control | Yield loss (%) if untreated | Kernel content (%) | Screenings <2.0mm (%) | Specific weight (kg/hl) | Maturity days +/- WPB Isabel | Straw strength 1-9; weak to stiff | Straw length (cm) | Crown rust (1 to 9) | Mildew (1 to 9) |
|-------------------|----------------|------------|--|-----------------------------|--------------------|-----------------------|-------------------------|------------------------------|-----------------------------------|-------------------|---------------------|-----------------|
| 2022 | P2 | Merlin | 103 | 5 | 71.3 | 1.8 | 51.2 | -1 | [7] | 107 | [3] | 8 |
| 2020 | R | WPB Isabel | 101 | 13 | 73.0 | 2.2 | 53.5 | 0 | 7 | 109 | 5 | 5 |
| 2011 | R | Canyon | 101 | 5 | 71.3 | 3.0 | 51.4 | -1 | 7 | 110 | 4 | 8 |
| 2014 | R | Conway | 98 | 10 | 71.8 | 2.4 | 49.6 | -1 | 7 | 104 | 4 | 6 |

Winter oats Grain yield of 100 = 9.1 t/ha

| Year first listed | Recommendation | | UK Grain yield as % of treated control | Yield loss (%) if untreated | Kernel content (%) | Screenings <2.0mm (%) | Specific weight (kg/hl) | Maturity days +/- Mascani | Straw strength 1-9; weak to stiff | Straw length (cm) | Crown rust (1 to 9) | Mildew (1 to 9) |
|-------------------|----------------|----------|--|-----------------------------|--------------------|-----------------------|-------------------------|---------------------------|-----------------------------------|-------------------|---------------------|-----------------|
| 2023 | P1 | Cromwell | 102 | 16 | 74.9 | 5.2 | 55.3 | +1 | [8] | 103 | 5 | 3 |
| 2003 | R | Dalguise | 101 | 7 | 72.8 | 3.6 | 54.7 | -1 | 4 | 127 | 4 | 4 |
| 1993 | R | Gerald | 96 | 15 | 70.9 | 4.6 | 53.2 | +1 | 6 | 122 | 4 | 4 |

Colour code

| | | | | |
|------|--------------|--------------|--------------|------|
| Good | Towards good | Intermediate | Towards poor | Poor |
|------|--------------|--------------|--------------|------|

| | | |
|---------------------------------|------------------------------------|-------------------------|
| R = Recommended for general use | P1 or P2 = Provisional Year 1 or 2 | [] = AHDB limited data |
|---------------------------------|------------------------------------|-------------------------|

Data from AHDB Recommended List trials. The full data sets collected are available on the AHDB Cereals & Oilseeds website <https://ahdb.org.uk/rl>

Scottish Recommended Lists for Cereals 2023/24

Spring wheat Grain yield of 100 = 6.8 t/ha

| Year first listed | Recommendation | | UK Grain yield as % of treated control | Yield loss (%) if untreated | UKFM Group | Hagberg falling number | Specific weight (kg/hl) | Maturity days +/- Mulika | Straw strength 1-9; weak to stiff | Straw length (cm) | Septoria tritici (1 to 9) | Mildew (1 to 9) |
|-------------------|----------------|--------------|--|-----------------------------|------------|------------------------|-------------------------|--------------------------|-----------------------------------|-------------------|---------------------------|-----------------|
| 2022 | P2 | KWS Fixum | 107 | --- | 4 | 231 | 77.6 | +1 | --- | 79 | [6] | [8] |
| 2023 | P1 | KWS Alicium | 105 | --- | 2 | 346 | 80.3 | -1 | --- | 85 | [7] | [8] |
| 2021 | R | WPB Escape | 104 | --- | 4 | 271 | 76.4 | +1 | --- | 73 | [6] | 8 |
| 2019 | R | KWS Talisker | 103 | --- | 4 | 295 | 79.0 | +1 | --- | 80 | [6] | 8 |
| 2017 | R | KWS Cochise | 102 | --- | 2 | 250 | 78.6 | +1 | --- | 78 | 6 | 8 |
| 2022 | P2 | KWS Ladum | 102 | --- | 1 | 337 | 78.0 | 0 | --- | 75 | [7] | [7] |
| 2023 | P1 | KWS Harsum | 102 | --- | 1 | 330 | 78.3 | +1 | --- | 78 | [7] | [7] |
| 2023 | P1 | KWS Lightum | 102 | --- | 2 | 325 | 78.4 | 0 | --- | 79 | [6] | [8] |
| 2011 | R | Mulika | 95 | --- | 1 | 332 | 77.0 | 0 | --- | 79 | 7 | 6 |

Colour code

Good

Towards good

Intermediate

Towards poor

Poor

R = Recommended for general use

P1 or P2 = Provisional Year 1 or 2

[] = AHDB limited data

--- = Insufficient information

Data from AHDB Recommended List trials. The full data sets collected are available on the AHDB Cereals & Oilseeds website <https://ahdb.org.uk/rl>



Further information

The full data sets collected are available on the AHDB Cereals & Oilseeds website here, <https://ahdb.org.uk/rl>

The SRUC Scottish Recommended Lists for Cereals are available on the SRUC website here, www.sruc.ac.uk/cereals-list

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