

Scotland's Rural College

Scottish Recommended Lists for Cereals 2022/23

Hoad, SP

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Scottish Recommended Lists for Cereals 2022/23

Tables

Data from AHDB Recommended List Trials and Scottish Government funded National List Trials



Scottish Recommended Lists for Cereals 2022/23

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; high to low | Disease resistance; 1 susceptible to 9 resistant | |
|-------------------|----------------|-------------|-------------------------------------|-----------------------------|--|------|-------|------------------------|-------------------------|------------------------------|--|-------------------------------|------------------------------------|--|----------------|
| | | | | | Dist. | Brew | Grain | | | | | | | Mildew | Rhynchosporium |
| 2020 | P3 | SY Tungsten | 104 | 13 | P | P | N | 4.5 | 67.7 | +1 | 7 | 71 | 8 | 8 | 3 |
| 2020 | P3 | Firefoxx | 104 | 11 | P | N | N | 3.7 | 66.4 | 0 | 7 | 69 | 8 | 9 | 5 |
| 2016 | R | Laureate | 102 | 8 | F | F | N | 3.1 | 66.6 | +1 | 6 | 69 | 8 | 9 | 5 |
| 2018 | R | LG Diablo | 102 | 10 | F | F | N | 3.3 | 67.1 | +2 | 7 | 71 | 8 | 9 | 5 |
| 2016 | R | KWS Sassy | 98 | 8 | F | N | N | 2.4 | 68.6 | +1 | 6 | 77 | 6 | 9 | 6 |
| 2016 | S | Fairing | 92 | 9 | N | N | F | 2.6 | 68.1 | -2 | 8 | 70 | 8 | 8 | 8 |
| 2021 | P2 | Skyway | 103 | 11 | N | P | N | 2.6 | 68.7 | 0 | 7 | 74 | 8 | 9 | [4] |
| 2020 | P3 | SY Splendor | 102 | 12 | N | P | N | 3.6 | 68.1 | +1 | 7 | 72 | 9 | 9 | [4] |
| 2015 | R | RGT Planet | 99 | 9 | N | F | N | 3.1 | 68.0 | 0 | 7 | 72 | 8 | 8 | 5 |
| 2020 | P3 | Prospect | 101 | 10 | N | N | N | 4.2 | 67.9 | +1 | 7 | 69 | 9 | 9 | [6] |

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 | N = Not suitable for this use |
| [] = AHDB limited data | Grain = Grain distilling | |

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 2022/23

Winter barley Grain yield of 100 = 10.0 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 |
| 2021 | P2 | KWS Tardis | 104 | 20 | 103 | 109 | N | 4.3 | 70.2 | 0 | 8 | 95 | 5 | 7 | [5] |
| 2021 | P2 | Bolton | 103 | 20 | 104 | 105 | N | 4.2 | 69.5 | 0 | 7 | 95 | 6 | 5 | [5] |
| 2021 | P2 | Bordeaux | 103 | 22 | 103 | 104 | N | 2.7 | 70.7 | 0 | 7 | 94 | 6 | 4 | [5] |
| 2022 | P1 | Lightning | 103 | 16 | 102 | 102 | N | 5.6 | 68.6 | 0 | [6] | [92] | 7 | 6 | [5] |
| 2019 | R | LG Mountain | 102 | 20 | 102 | 103 | N | 6.0 | 70.5 | -1 | 6 | 92 | 5 | 5 | 5 |
| 2022 | P1 | LG Dazzle | 102 | 16 | 102 | 105 | N | 5.4 | 68.9 | 0 | [7] | [92] | 6 | 7 | [4] |
| 2016 | O | KWS Orwell | 99 | 20 | 99 | 100 | N | 4.9 | 68.8 | 0 | 7 | 93 | 3 | 6 | 5 |
| 2019 | O | Valerie | 99 | 17 | 99 | [99] | N | 1.0 | 70.9 | -1 | 7 | 94 | 6 | 6 | [6] |
| 2016 | S | Craft | 96 | 17 | 96 | 93 | F | 6.2 | 70.1 | 0 | 7 | 97 | 6 | 6 | 6 |
| 2018 | S | Electrum | 95 | 18 | 95 | 97 | F | 5.9 | 70.0 | -1 | 7 | 97 | 6 | 6 | 5 |
| 2017 | R | Funky | 103 | 15 | 102 | 103 | N | 13.2 | 69.8 | -1 | 8 | 97 | 5 | 6 | 5 |
| 2022 | P1 | KWS Feeris ¹ | 101 | 19 | 101 | 104 | N | 3.7 | 69.5 | 0 | [8] | [102] | 4 | 6 | [6] |
| 2021 | P2 | SY Thunderbolt | 106 | 20 | 103 | 107 | N | 7.2 | 70.5 | -1 | 5 | 114 | 8 | 6 | [6] |
| 2019 | R | SY Kingsbarn | 106 | 22 | 105 | 104 | N | 5.7 | 70.4 | 0 | 6 | 112 | 7 | 5 | 5 |
| 2021 | P2 | SY Kingston | 106 | 18 | 105 | 103 | N | 8.6 | 70.4 | -1 | 6 | 118 | 7 | 6 | 6 |
| 2022 | P1 | SY Canyon | 105 | 17 | 105 | 105 | N | 6.4 | 71.2 | -1 | [7] | [118] | 8 | 6 | [5] |
| 2016 | R | Bazooka | 104 | 20 | 104 | 104 | N | 7.7 | 70.0 | 0 | 6 | 117 | 5 | 6 | 5 |

Colour code

Good

Towards good

Intermediate

Towards poor

Poor

| | | | |
|------------------------------------|---|-------------------------------|---|
| R = Recommended for general use | S = Specific use variety | F = MBC Full 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 2022/23

Winter wheat Grain yield of 100 = 11.1 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 | P1 | RGT Stokes | [104] | 19 | Good | Good | --- | 75.3 | 248 | +2 | 5 | 7 | 91 | --- | 5 | 7 | 6.2 | [4] | 6 |
| 2022 | P1 | RGT Bairstow | [103] | 18 | Good | Good | --- | 75.9 | 228 | +2 | 6 | 6 | 91 | --- | 6 | 7 | 6.0 | [4] | 6 |
| 2019 | R | LG Skyscraper | 102 | 21 | Good | Med | --- | 76.5 | 214 | 0 | 6 | 6 | 92 | [5] | 7 | 7 | 4.6 | 4 | 6 |
| 2020 | R | RGT Saki | 102 | 18 | Good | Poor | --- | 75.6 | 220 | +3 | 6 | 7 | 88 | [6] | 5 | 8 | 5.1 | 4 | 6 |
| 2018 | R | Elation | 101 | 23 | Good | Good | --- | 76.9 | 212 | +1 | 7 | 8 | 83 | 5 | 7 | 8 | 3.9 | 4 | 6 |
| 2019 | O | LG Spotlight | 101 | 25 | Mod | Med | --- | 77.7 | 286 | +1 | 7 | 8 | 93 | [7] | 6 | 5 | 4.9 | 5 | 6 |
| 2021 | P2 | Swallow | 101 | 20 | Mod | Good | --- | 75.8 | 249 | +1 | [8] | 9 | 80 | [5] | 6 | 6 | 4.9 | 2 | 5 |
| 2018 | O | KWS Jackal | 100 | 25 | Mod | Med | --- | 74.8 | 179 | +1 | 7 | 6 | 87 | 5 | 7 | 8 | 4.6 | 4 | 6 |
| 2016 | R | KWS Barrel | 102 | 26 | Poor | Poor | Biscuit | 76.9 | 240 | +1 | 8 | 8 | 84 | 6 | 6 | 6 | 4.4 | 4 | 6 |
| 2021 | P2 | LG Illuminate | 101 | 16 | Mod | Med | Biscuit | 76.2 | 249 | +1 | 7 | 7 | 83 | [7] | 5 | 7 | 5.4 | 5 | 5 |
| 2022 | P1 | KWS Brium | [101] | 20 | Mod | Med | Biscuit | 77.3 | 268 | +2 | 7 | 7 | 92 | --- | 7 | 9 | 5.6 | [6] | 6 |
| 2018 | O | Elicit | 99 | 20 | Mod | Good | Biscuit | 76.4 | 208 | +1 | 6 | 7 | 86 | 5 | 6 | 8 | 5.2 | 3 | 6 |
| 2021 | P2 | LG Astronomer | 97 | 14 | Mod | Med | Biscuit | 77.4 | 232 | +1 | 7 | 9 | 88 | [7] | 4 | 8 | 6.2 | 5 | 6 |
| 2022 | P1 | KWS Dawsum | [106] | 12 | Good | --- | --- | 79.4 | 304 | +1 | 7 | 7 | 84 | --- | 8 | 9 | 6.1 | [5] | 6 |
| 2020 | R | SY Insitor | 105 | 26 | Good | --- | --- | 78.2 | 270 | +1 | 6 | 7 | 95 | [5] | 6 | 5 | 6.1 | 4 | 7 |
| 2018 | R | Gleam | 103 | 23 | Good | --- | --- | 76.3 | 220 | 0 | 7 | 7 | 87 | 5 | 6 | 5 | 5.5 | 4 | 6 |
| 2022 | P1 | LG Typhoon | [102] | 13 | Good | --- | --- | 76.3 | 169 | +2 | 7 | 7 | 88 | --- | 7 | 9 | 6.9 | [6] | 6 |
| 2021 | S | RGT Wolverine | 100 | 30 | Mod | --- | --- | 75.5 | 268 | +2 | 7 | 7 | 87 | [6] | 6 | 4 | 5.7 | 6 | 6 |
| 2019 | S | KWS Extase ¹ | 99 | 8 | Mod | --- | Bread | 78.5 | 289 | -1 | 7 | 8 | 90 | [7] | 7 | 8 | 7.3 | 3 | 6 |
| 2022 | P1 | KWS Palladium | [99] | 10 | Mod | --- | Bread | 76.9 | 315 | -1 | 7 | 8 | 84 | --- | 8 | 9 | 7.2 | [6] | 6 |

Colour code

Good

Towards good

Intermediate

Towards poor

Poor

| | | |
|---|------------------------------|---|
| R = Recommended for general use | O = Becoming outclassed | * Yellow rust: Ratings are now 'weighted' towards the most recent year of trials data |
| P1, P2 or P3 = Provisional Year 1, 2 or 3 | HFN = Hagberg falling number | ** <i>Septoria tritici</i> : Ratings are based on the latest, one-year, data [] = AHDB limited data |
| S = Specific use variety | Mod = Moderate; Med = Medium | ¹ 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 2022/23

Spring oats Grain yield of 100 = 6.8 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) |
|-------------------|----------------|------------|--|-----------------------------|--------------------|-----------------------|-------------------------|------------------------------|-----------------------------------|-------------------|---------------------|-----------------|
| 2020 | P3 | WPB Isabel | 105 | 15 | 74.4 | 1.9 | 53.6 | 0 | 7 | 108 | 5 | 5 |
| 2022 | P1 | Merlin | 105 | 6 | 72.6 | 1.6 | 51.1 | -1 | [7] | [105] | [3] | 8 |
| 2011 | R | Canyon | 103 | 6 | 72.7 | 2.4 | 51.3 | -1 | 7 | 109 | 4 | 8 |
| 2014 | R | Conway | 99 | 9 | 73.0 | 1.9 | 50.0 | -1 | 7 | 104 | 4 | 5 |
| 2017 | O | WPB Elyann | 98 | 10 | 76.1 | 2.6 | 50.4 | -1 | 6 | 99 | 5 | 4 |

Winter oats Grain yield of 100 = 8.8 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) |
|-------------------|----------------|----------|--|-----------------------------|--------------------|-----------------------|-------------------------|---------------------------|-----------------------------------|-------------------|---------------------|-----------------|
| 2003 | R | Dalguise | 100 | --- | 73.0 | 3.5 | 54.2 | -1 | 4 | 124 | 4 | 4 |
| 1993 | R | Gerald | 95 | --- | 70.5 | 4.7 | 52.4 | +1 | 6 | 121 | 4 | 4 |

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 | nabim 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 | P1 | KWS Fixum | 108 | --- | 4 | 218 | 77.8 | +2 | --- | 79 | [6] | [8] |
| 2021 | P2 | WPB Escape | 105 | --- | 4 | 261 | 76.2 | +2 | --- | 72 | [6] | 8 |
| 2017 | R | KWS Cochise | 104 | --- | 2 | 243 | 78.5 | +1 | --- | 77 | [6] | 8 |
| 2019 | R | KWS Talisker | 104 | --- | 4 | 281 | 78.7 | +1 | --- | 80 | [6] | 8 |
| 2022 | P1 | KWS Ladum | 102 | --- | 1 | 324 | 78.0 | 0 | --- | 75 | [7] | [8] |
| 2020 | P3 | KWS Giraffe | 101 | --- | 2 | 301 | 79.2 | +1 | --- | 75 | [5] | 8 |
| 2011 | R | Mulika | 94 | --- | 1 | 325 | 77.0 | 0 | --- | 78 | [6] | 7 |

Colour code

Good

Towards good

Intermediate

Towards poor

Poor

R = Recommended for general use

P1, P2 or P3 = Provisional Year 1, 2 or 3

O = Becoming outclassed

[] = 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

Steve Hoad
SRUC - Scotland's Rural College
Department of Agriculture, Horticulture and Engineering Sciences
West Mains Road
Edinburgh EH9 3JG
Scotland UK
steve.hoad@sruc.ac.uk