

Winter wheat trials harvest 2021

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Candidate varieties



| Previous/proposed name | Variety ID | Yield treated (T) | Yield untreated (UT) (as % treated controls) | Lodging % (UT) | Lodging % (T) | Height (cm) (UT) | Maturity (days +/- Skyfall) | Mildew (1-9) | Yellow rust (1-9) | Brown rust (1-9) | Septoria tritici (1-9) | Eyespot (1-9) | OWBM resistance | Endosperm texture | Protein content % | Hagberg Falling Number | Specific weight (kg/ha) | UK contact | |
|-------------------------------------------------------|------------|-------------------|-------------------------------------------------|----------------|---------------|------------------|--------------------------------|--------------|-------------------|------------------|------------------------|---------------|-----------------|-------------------|-------------------|------------------------|-------------------------|-----------------|------------------|
| Control varieties | | | | | | | | | | | | | | | | | | | |
| Gleam | SY114257 | 2546 | 104 | 73 | 2 | 1 | 85 | 0 | 6 | 5 | 6 | 4 | R | Hard | 11.3 | 225 | 76.6 | Syngenta UK Ltd | |
| Elation | EW2082 | 2490 | 101 | 76 | 1 | 1 | 81 | +1 | 7 | 8 | 5 | 4 | R | Soft | 11.3 | 221 | 76.8 | Elsoms Seeds | |
| KWS Siskin | KWS W243 | 2315 | 99 | 82 | 4 | 1 | 83 | 0 | 7 | 9 | 5 | 7 | - | Hard | 11.9 | 278 | 76.7 | KWS UK | |
| KWS Barrel | KWS W239 | 2311 | 100 | 72 | 0 | 1 | 84 | +1 | 6 | 7 | 5 | 4 | R | Soft | 11.2 | 248 | 77.3 | KWS UK | |
| Skyfall | SJ3326 | 2138 | 96 | 61 | 0 | 1 | 83 | 0 | 6 | 3 | 8 | 6 | 6@ | R | Hard | 12.3 | 257 | 78.6 | RAGT Seeds |
| Selected as potential bread-making varieties | | | | | | | | | | | | | | | | | | | |
| KWS Palladium | KWSW388 | 2977 | 101 | 85 | 2 | 1 | 83 | -1 | 8 | 9 | 6 | 7 | - | - | Hard | 11.7 | 302 | 77.3 | KWS UK |
| RGT Flintoff | RW41818 | 2911 | 100 | 65 | 1 | 2 | 85 | 0 | 7 | 6 | 8 | 6 | @ | R | Hard | 11.7 | 251 | 77.6 | RAGT Seeds |
| Mayflower | APB098-045 | 2929 | 99 | 85 | 5 | 3 | 89 | -1 | 8 | 9 | 6 | 8 | @ | - | Hard | 11.8 | 300 | 78.8 | Elsoms Seeds Ltd |
| Selected as potential biscuit-making varieties | | | | | | | | | | | | | | | | | | | |
| KWS Guium | KWSW376 | 2965 | 103 | 75 | 1 | 1 | 89 | +2 | 5 | 9 | 4 | 4 | - | R | Soft | 11.1 | 266 | 78.4 | KWS UK |
| KWS Brium | KWSW380 | 2969 | 102 | 76 | 1 | 2 | 92 | +1 | 7 | 9 | 5 | 5 | - | - | Soft | 11.4 | 267 | 77.4 | KWS UK |
| RGT Rashid | RW41885 | 2920 | 101 | 75 | 1 | 2 | 86 | +4 | 5 | 8 | 6 | 7 | - | R | Soft | 11.0 | 230 | 76.4 | RAGT Seeds |
| Selected as potential feed varieties | | | | | | | | | | | | | | | | | | | |
| RGT Bairstow | RW41869 | 2919 | 104 | 81 | 6 | 3 | 90 | +2 | 6 | 8 | 7 | 7 | - | R | Soft | 11.2 | 231 | 76.1 | RAGT Seeds |
| RGT Stokes | RW41862 | 2918 | 103 | 77 | 21 | 3 | 90 | +3 | 6 | 8 | 6 | 8 | - | - | Soft | 11.4 | 245 | 75.7 | RAGT Seeds |
| Champion | DSV318117 | 2895 | 105 | 83 | 5 | 4 | 87 | 0 | 6 | 8 | 6 | 7 | - | R | Hard | 11.3 | 241 | 75.0 | DSV UK |
| LG Farrier | LGWU155 | 2899 | 105 | 83 | 8 | 4 | 86 | +1 | 7 | 9 | 8 | 5 | - | - | Hard | 10.9 | 279 | 78.9 | Limagrain UK |
| KWS Dawsum | KWSW383 | 2972 | 105 | 88 | 2 | 2 | 83 | +1 | 8 | 9 | 7 | 6 | - | - | Hard | 11.2 | 303 | 80.2 | KWS UK |
| LG Typhoon | LGWU165 | 2907 | 103 | 85 | 2 | 1 | 87 | +1 | 7 | 9 | 7 | 8 | - | R | Hard | 10.9 | 176 | 76.2 | Limagrain UK |
| KWS Henum | KWSW389 | 2978 | 102 | 81 | 1 | 1 | 86 | +3 | 8 | 9 | 7 | 8 | - | - | Hard | 10.9 | 226 | 74.8 | KWS UK |
| Mean of controls (t/ha) | | | 11.0 | 11.0 | - | - | - | 317 | - | - | - | - | - | - | - | - | - | - | - |
| Overall mean | | | - | - | 3 | 2 | 87 | - | - | - | - | - | - | - | 11.5 | 246 | 77.2 | | |
| LSD 5% | | | 2.8 | 7.1 | 1.0 | 0.7 | 2.6 | 1.3 | - | - | - | - | - | - | 0.4 | 31.4 | 0.9 | | |
| Number of trials | | | 25 | 10 | 9 | 7 | 9 | 5 | | | | | | | 10 | 10 | 10 | | |

On the 1-9 scales, high figures indicate that a variety shows the character to a high degree (e.g. high resistance).

The 1-9 ratings are not comparable to those used on the Recommended List table.

Eyespot (1-9) ratings are not presented as there were no ratings for the candidate varieties.

See the AHDB Recommended List for full data on control varieties.

Candidate varieties will be considered for the 2022/23 AHDB Recommended List.

To allow direct comparisons, the data presented for control varieties are taken from trials in which the candidates were grown.

These summaries are derived from National List and BSPB trials. Acknowledgement is made to APHA and BSPB for the use of the data.

T = Data from trials treated with fungicide and Plant growth regulator (PGR)

UT = Data from trials without fungicide or Plant growth regulator (PGR)

R = Believed to be resistant to orange wheat blossom midge (OWBM), but this has not been verified in Recommended List tests

@ = Believed to carry the *Pch1* Rendezvous resistance gene to eyespot, but this has not been verified in Recommended List tests

LSD = Least significant difference

LSD 5%: Varieties that are more than one LSD apart are significantly different at the 95% confidence level