

AHDB Recommended List - Table 3

Winter wheat varieties grown in RL trials in 2018 but not added to the AHDB Recommended List

| | Control varieties | | | | | Other varieties | | | | |
|--|-------------------|------------|------|--------------|----------|-----------------|---------------|---------|-----------|------------------|
| | Skyfall | KWS Siskin | Zulu | KWS Santiago | JB Diego | LG Rhythm | LG Sabertooth | SY Loki | LG Jigsaw | Average LSD (5%) |
| Fungicide-treated grain yield (% treated control) | | | | | | | | | | |
| United Kingdom (11.2 t/ha) | 99 | 102 | 98 | 102 | 100 | 101 | 104 | 102 | 102 | 2.0 |
| East region (11.2 t/ha) | 99 | 102 | 98 | 102 | 99 | 102 | 104 | 102 | 102 | 2.3 |
| West region (11.3 t/ha) | 99 | 102 | 97 | 101 | 100 | 99 | 103 | 103 | 102 | 2.6 |
| North region (11.2 t/ha) | 98 | 100 | 100 | 102 | 100 | [101] | [102] | [102] | [102] | 3.1 |
| Untreated grain yield (% treated control) | | | | | | | | | | |
| United Kingdom (11.2 t/ha) | 81 | 85 | 72 | 67 | 71 | 75 | 77 | 80 | 82 | 5.3 |
| Grain quality | | | | | | | | | | |
| Endosperm texture | Hard | Hard | Soft | Hard | Hard | Soft | Soft | Soft | Hard | |
| Protein content (%) | 12.1 | 11.7 | 11.5 | 11.4 | 11.4 | 11.2 | 10.9 | 11.2 | 11.1 | 0.2 |
| Protein content (%) - Milling spec | 13.3 | 12.8 | 12.6 | 12.5 | 12.4 | 12.1 | 12.1 | 12.1 | 12.1 | 0.3 |
| Hagberg Falling Number | 293 | 300 | 237 | 183 | 315 | 207 | 243 | 264 | 210 | 25 |
| Specific weight (kg/hl) | 78.6 | 77.5 | 76.4 | 75.8 | 78.1 | 75.2 | 75.4 | 75.1 | 76.4 | 0.7 |
| Chopin alveograph W | - | 174 | 100 | - | - | 75 | [69] | 75 | - | 21 |
| Chopin alveograph P/L | - | 0.6 | 0.3 | - | - | 0.3 | [0.4] | 0.4 | - | 0.1 |
| Agonomic features | | | | | | | | | | |
| Resistance to lodging without PGR (1-9) | 8 | 6 | 6 | 7 | 7 | 7 | 7 | 6 | 7 | 0.5 |
| Resistance to lodging with PGR (1-9) | 8 | 7 | 7 | 8 | 8 | 7 | 8 | 7 | 8 | 0.5 |
| Height without PGR (cm) | 82 | 83 | 88 | 85 | 87 | 82 | 95 | 85 | 88 | 1.7 |
| Ripening (days +/- JB Diego, -ve = earlier) | 0 | +1 | +1 | +1 | 0 | +1 | +2 | 0 | +2 | 0.6 |
| Resistance to sprouting (1-9) | 5 | [5] | 5 | 5 | 7 | - | - | - | - | 1.1 |
| Disease resistance | | | | | | | | | | |
| Mildew (1-9) | 5 | 8 | 7 | 6 | 6 | 5 | 6 | 7 | 4 | 1.1 |
| Yellow rust (1-9) | 5 | 9 | 5 | 7 | 4 | 7 | 8 | 8 | 8 | 0.7 |
| Brown rust (1-9) | 8 | 5 | 7 | 5 | 6 | 6 | 7 | 6 | 7 | 0.9 |
| Septoria nodorum (1-9) | [6] | [7] | [6] | 5 | 5 | - | - | - | - | 0.7 |
| Septoria tritici (1-9) | 5.9 | 6.7 | 5.2 | 4.4 | 5.2 | 5.2 | 4.7 | 4.6 | 5.5 | 0.7 |
| Eyespot (1-9) | 6@ | 4 | 4 | 4 | 5 | [4] | [5] | [5] | [6]@ | 1.1 |
| Fusarium ear blight (1-9) | 7 | 5 | 6 | 6 | 6 | 6 | 6 | 5 | 7 | 0.5 |
| Orange wheat blossom midge | R | - | R | R | - | R | R | R | R | |

This table should be read in conjunction with the AHDB Recommended List of winter wheat varieties for 2019/20.
 On the 1-9 scales, high figures indicate that a variety shows the character to a high degree (e.g. high resistance).
 Comparisons of varieties across regions are not valid.

[] = Limited data
 @ = Believed to carry the *Pch1* Rendezvous resistance gene to eyespot but this has not been verified in Recommended List tests.
 R = Believed to be resistant to orange wheat blossom midge (OWBM) but this has not been verified in Recommended List tests.

LSD = Least significant difference
 Average LSD (5%): Varieties that are more than one LSD apart are significantly different at the 95% confidence level.