

## Winter wheat trials harvest 2022

### Candidate varieties



Previous/proposed name	Variety ID	Yield treated (T)	Yield untreated (UT) (as % treated controls)	Lodging % (UT)	Lodging % (T)	Straw length (cm) (UT)	Maturity (days +/- Sky/fall)	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/hl)	UK contact	
<b>Control varieties</b>																			
Skyfall	SJ3326	2138	97	68	0	0	87	0	6	3	8	5	7@	R	Hard	11.6	276	78.7	RAGT Seeds
KWS Barrel	KWS W239	2311	99	79	2	1	84	0	6	6	5	4	[4]	R	Soft	10.8	243	76.4	KWS UK
KWS Siskin	KWS W243	2315	98	86	2	1	85	0	8	9	5	7	[4]	-	Hard	11.5	286	76.8	KWS UK
Gleam	SY114257	2546	103	86	2	1	89	0	6	5	6	6	[4]	R	Hard	11.0	208	76.4	Syngenta UK Ltd
LG Skyscraper	LGWU123	2626	103	86	4	2	93	0	7	7	5	5	[4]	R	Soft	10.7	216	76.7	Limagrains UK
<b>Selected as potential bread-making varieties</b>																			
KWS Ultimatum	KWSW405	3026	101	90	1	0	86	+1	7	9	6	6	[7]	-	Hard	11.3	281	78.9	KWS UK
RGT Zinzan	RW41924	3011	100	79	2	0	93	+1	7	5	8	6	[7]@	R	Hard	11.3	312	77.5	RAGT Seeds
KWS Wrenum	KWSW400	3033	100	88	0	0	84	0	7	6	6	6	[5]	-	Hard	11.1	285	77.2	KWS UK
<b>Selected as potential biscuit-making varieties</b>																			
Gefion	FAL160	3052	104	78	2	1	88	0	8	4	7	5	[5]	R	Soft	10.9	224	77.0	Frontier Agriculture Ltd
RGT Wilkinson	RW41991	3018	101	84	1	0	83	+1	8	7	5	5	[7]@	-	Soft	10.9	255	74.8	RAGT Seeds
<b>Selected as potential feed varieties</b>																			
LG Redwald	LGWU172	3065	106	88	5	5	95	+2	7	7	7	6	[2]	R	Soft	10.9	146	74.0	Limagrains UK
KWS Webbum	KWSW399	3032	103	83	4	0	91	+1	8	5	7	5	[3]	R	Soft	10.8	236	77.4	KWS UK
KWS Zealum	KWSW394	3027	103	84	3	0	88	+1	7	8	5	5	[7]	R	Soft	10.8	204	75.8	KWS UK
Zoom	EW8612	3001	102	91	2	2	84	-1	7	7	5	5	[2]	R	Soft	11.3	188	76.3	Elsoms Seeds Ltd
Mindful	AUK2001	3072	104	89	9	2	91	+1	9	6	5	6	[5]	-	Hard	10.9	249	79.1	Agrovista UK Ltd
Oxford	DSV318214	3005	104	86	4	1	85	+1	6	8	5	6	[4]	R	Hard	11.0	201	74.7	DSV UK
SY Coach	SY119122	3049	103	90	3	1	85	+1	7	7	5	6	[6]	R	Hard	10.9	177	75.4	Syngenta UK Ltd
Mean of controls (t/ha)			10.8	10.8	-	-	-	324	-	-	-	-	-	-	-	-	-	-	-
Overall mean			-	-	2	1	88	-	-	-	-	-	-	-	11.2	246	77.0		
LSD 5%			3.9	7.2	1.1	0.8	2.8	2.0	-	-	-	-	-	-	0.4	28.8	0.8		
Number of trials			23	8	5	9	8	3							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.

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

Candidate varieties will be considered for the 2023/24 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