

Winter wheat trials harvest 2023

Candidate varieties



Previous/proposed name	Variety ID	Yield treated (T) - UK	Yield treated (T) - East	Yield treated (T) - West	Yield treated (T) - North	Yield untreated (UT) (as % treated controls)	Lodging % (UT)	Lodging % (T)	Straw length (cm) (UT)	Ripening (days +/- Skyfall)	Specific weight (kg/hl)	Protein content (%)	Hagberg Falling Number	Mildew (1-9)	Yellow rust (1-9)	Brown rust (1-9)	Septoria tritici (1-9)	Eyespot (1-9)	OWBM resistance	BYDV resistance	Endosperm texture	UK contact	
Control varieties																							
Skyfall	SJ3326	2138	97	96	[98]	[[99]]	65	0	0	86	0	79.7	11.4	303	6	3	9	5	[5]@	R	-	Hard	RAGT Seeds
KWS Barrel	KWS W239	2311	97	97	[97]	[[99]]	76	0	0	86	+1	77.1	10.9	204	6	6	5	4	[5]	R	-	Soft	KWS UK
KWS Siskin	KWS W243	2315	99	99	[100]	[[100]]	85	0	0	86	-1	77.7	11.5	330	8	9	5	6	[4]	-	-	Hard	KWS UK
Gleam	SY114257	2546	104	104	[104]	[[103]]	82	0	1	90	0	76.8	10.7	240	7	5	6	5	[5]	R	-	Hard	Syngenta UK Ltd
LG Skyscraper	LGWU123	2626	102	104	[101]	[[99]]	85	1	1	93	0	77.3	10.8	221	7	7	5	5	[6]	R	-	Soft	Limagrains UK
Selected as potential bread-making varieties																							
LG Partridge	LGWU177	3120	Data cannot be published as variety has not completed National List testing																			Limagrains UK	
KWS Dragum	KWSW411	3147	103	104	[102]	[[101]]	88	2	1	86	-1	78.5	11.0	289	8	9	5	5	6	-	-	Hard	KWS UK
SY Cheer	SY120623	3134	98	98	[99]	[[100]]	85	0	0	92	1	79.4	11.8	326	8	8	5	6	4	-	-	Hard	Syngenta UK Ltd
Selected as potential biscuit-making varieties																							
Bamford	EW8768	3099	106	106	[107]	[[103]]	92	0	0	91	+1	78.6	10.9	288	7	8	6	7	5@	-	-	Soft	Elsoms Seeds Ltd
LG Arkle	LGWU188	3131	103	104	[102]	[[103]]	87	2	3	97	+1	77.1	10.8	279	8	9	5	5	3	R	-	Soft	Limagrains UK
LG Grendel	LGWU186	3129	102	102	[101]	[[104]]	90	2	6	92	+1	75.2	10.8	256	7	9	6	7	5	R	-	Soft	Limagrains UK
KWS Skateum	KWSW422	3158	Data cannot be published as variety has not completed National List testing																			KWS UK	
Almara	SEWC148	3111	99	99	[99]	[[103]]	87	1	0	87	0	77.4	10.9	194	7	8	6	6	5	R	-	Soft	Senova
Selected as potential feed varieties																							
Blackstone	EW81055	3106	103	104	[102]	[[105]]	88	0	0	94	+1	78.3	10.8	315	8	9	5	6	5	R	-	Soft	Elsoms Seeds Ltd
LG Beowulf	LGWU182	3125	106	107	[106]	[[107]]	92	0	0	91	+2	78.6	11.0	290	8	9	5	6	7	R	-	Hard	Limagrains UK
Bolinder	EWQ0377	3142	104	104	[104]	[[104]]	89	3	1	97	+1	76.3	10.5	319	7	9	6	7	7	R	-	Hard	Elsoms Seeds Ltd
LG Redrum	LGWU180	3123	104	104	[103]	[[100]]	90	0	0	88	0	78.4	11.3	255	7	9	5	6	6	R	-	Hard	Limagrains UK
Mean of controls (t/ha)			11.6	11.7	11.8	10.6	11.6	-	-	-	301	-	-	-	-	-	-	-	-	-	-	-	-
Overall mean			-	-	-	-	-	1	1	91	-	77.7	11.1	260	-	-	-	-	-	-	-	-	-
LSD 5%			3.2	2.2	3.4	5.4	4.7	1.0	0.7	2.4	1.4	0.7	0.4	32.8	-	-	-	-	-	-	-	-	-
Number of trials			28	16	8	4	12	6	12	12	7	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 RL table.

See the AHDB RL for full data on control varieties.

Candidate varieties will be considered for the RL 2024/25.

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)

OWBM = Orange wheat blossom midge

BYDV = Barley yellow dwarf virus

R = Believed to be resistant to the trait (OWBM, or BYDV), but this has not been verified in RL tests.

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

LSD = Least significant difference

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