

Winter wheat varieties grown in RL trials in 2023 but not added to the AHDB Recommended List

	Skyfall	KWS Extiase	KWS Barrel	LG Skyscraper	Gleam	KWS Dragum	LG Arkle	LG Grendel	Bollinder	LG Redrum	Average LSD (5%)
	Control varieties					Other varieties					
Fungicide-treated grain yield (% treated control)											
United Kingdom (11.0 t/ha)	96	101	98	102	103	102	102	101	104	103	2.3
East region (10.9 t/ha)	96	101	97	103	103	103	102	101	105	103	2.7
West region (11.2 t/ha)	96	102	97	101	103	101	100	100	103	103	3.0
North region (11.3 t/ha)	95	99	101	101	103	[99]	[103]	[103]	[105]	[101]	3.4
Untreated grain yield (% treated control)											
United Kingdom (11.0 t/ha)	66	93	74	83	80	85	86	88	88	88	4.8
Disease resistance											
Mildew (1–9)	6	7	7	7	6	[8]	[8]	[6]	[7]	[6]	1.5
Yellow rust (1–9)	3	7	6	7	5	9	9	9	9	8	0.6
Yellow rust (young plant)	s	s	-	s	s	-	-	-	-	-	
Brown rust (1–9)	9	6	5	5	6	5	6	6	6	5	0.6
Septoria tritici (1–9)	5.8	7.4	4.6	4.9	5.7	5.4	5.7	6.8	7.0	5.7	0.7
Eyespot (1–9)	6@	4	5	5	5	5	3	4	6	5	1.5
Fusarium ear blight (1–9)	7	6	6	6	6	[5]	[6]	[6]	[6]	[6]	0.4
Orange wheat blossom midge	R	-	R	R	R	-	R	R	R	R	
Agronomic features											
Resistance to lodging without PGR (1–9)	8	7	8	6	7	6	4	3	5	8	1.4
Resistance to lodging with PGR (1–9)	7	8	8	6	7	7	5	4	6	8	1.0
Straw length without PGR (cm)	87	92	85	93	89	86	96	90	95	87	1.5
Straw length with PGR (cm)	78	86	78	84	78	77	87	82	83	78	1.4
Ripening (days +/- Skyfall)	0	-1	+1	0	0	0	+1	+2	+2	0	0.7
Resistance to sprouting (1–9)	5	6	6	6	6	-	-	-	-	-	1.1
Grain quality											
Endosperm texture	Hard	Hard	Soft	Soft	Hard	Hard	Soft	Soft	Hard	Hard	
Protein content (%)	11.8	11.5	10.8	11.0	10.9	10.9	10.8	10.8	10.5	11.3	0.2
Protein content (%) – milling spec	12.9	12.3	11.9	12.0	11.5	11.9	11.7	11.5	12.1	12.3	0.5
Hagberg Falling Number	265	283	233	204	215	248	253	233	287	232	21.8
Specific weight (kg/hl)	79.1	79.1	77.3	77.1	76.9	77.9	77.1	75.5	76.4	78.3	0.6
Chopin Alveograph W	266	203	109	-	-	174	[96]	[112]	[161]	-	30.1
Chopin Alveograph P/L	1.0	0.7	0.4	-	-	1.1	[0.3]	[0.3]	[1.3]	-	0.3
Breeder/UK contact											
Breeder	RAGT	Mom	KWS	LimEur	SyP	KWS	LimEur	LimEur	Sej	LimEur	
UK contact	RAGT	KWS	KWS	Lim	Syn	KWS	Lim	Lim	Els	Lim	

This table should be read in conjunction with the winter wheat RL 2024/25.

Comparisons of varieties across regions are not valid.

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

Protein content (%) – milling spec data is taken from trials managed to a bread-milling protocol.

PGR = Plant growth regulator

[] = Limited data

r = Young plant resistance to yellow rust as shown by UKCPVS tests and RL trial data

s = Young plant susceptibility to yellow rust as shown by UKCPVS tests and RL trial data

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

R = Believed to be resistant to the trait, but this has not been verified in RL tests

LSD = Least significant difference

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

Els = Elsoms Seeds Ltd (elsoms.com)

KWS = KWS UK (kws-uk.com)

Lim = Limagrain UK (lgseeds.co.uk)

LimEur = Limagrain Europe SA (lgseeds.co.uk)

Mom = Momont, France (kws-uk.com)

RAGT = RAGT Seeds (ragt.co.uk)

Sej = Sejet, Denmark (sejet.com)

Syn = Syngenta UK Ltd (syngenta.co.uk)

SyP = Syngenta Participations AG (syngenta.co.uk)