

Spring wheat 2022



	KWS Ladum	Nisaba	Mulika	KWS Cochise	KWS Giraffe	KWS Chilliham	KWS Fixum	WPB Escape	KWS Talisker	Hexham	KWS Kilburn	Average LSD (5%)
End-use group	UKFM Group 1			UKFM Group 2			Hard Group 4					
Scope of recommendation	UK	UK	UK	UK	UK	UK	UK	UK	UK	UK	UK	
Variety status	NEW	NEW	C	C			NEW			C	*	
UK yield as % control (spring sowing)												
Fungicide-treated (6.8 t/ha)	102	95	94	104	101	100	108	105	104	103	100	3.2
UK yield as % control (autumn sowing)												
Fungicide-treated (9.2 t/ha)	-	[97]	95	101	101	99	-	[103]	100	104	[102]	4.5
Grain quality (spring sowing)												
Endosperm texture	Hard	Hard	Hard	Hard	Hard	Hard	Hard	Hard	Hard	Hard	Hard	
Protein content (%)	13.2	13.5	13.6	13.2	13.5	12.9	12.7	12.7	12.5	12.8	13.1	0.3
Hagberg Falling Number	324	297	325	243	301	336	218	261	281	274	266	20.7
Specific weight (kg/hl)	78.0	76.4	77.0	78.5	79.2	78.2	77.8	76.2	78.7	77.3	75.3	0.7
Agronomic features (spring sowing)												
Resistance to lodging with PGR ∞	-	-	-	-	-	-	-	-	-	-	-	-
Straw height without PGR (cm)	75	77	78	77	75	74	79	72	80	77	79	1.9
Ripening (+/- Mulika, -ve = earlier)	0	+2	0	+1	+1	0	+2	+2	+1	+2	+2	1.2
Resistance to sprouting ∞	-	-	-	-	-	-	-	-	-	-	-	-
Disease resistance												
Mildew (1-9)	[8]	[5]	7	8	8	8	[8]	8	8	6	7	1.1
Yellow rust (1-9)	6	5	7	4	6	7	7	8	9	8	5	0.5
Brown rust (1-9)	[7]	[9]	[9]	[9]	[8]	[6]	[8]	[7]	[5]	[9]	[9]	1.8
Septoria tritici (1-9)	[7]	[6]	[6]	[6]	[5]	[7]	[6]	[6]	[6]	[7]	[6]	1.1
Orange wheat blossom midge	-	R	R	R	-	R	-	-	-	-	-	-
Annual treated yield (% control, spring sowing)												
2017 (7.4 t/ha)	-	-	92	106	[102]	101	-	-	[104]	[102]	101	4.0
2018 (5.5 t/ha)	-	-	[94]	[106]	[106]	[98]	-	[112]	[105]	[100]	[100]	6.1
2019 (7.0 t/ha)	103	92	93	105	100	96	108	104	103	103	98	4.1
2020 (6.4 t/ha)	[98]	[96]	[94]	[101]	[97]	[99]	[108]	[103]	[102]	[105]	[103]	4.2
2021 (7.6 t/ha)	103	96	96	100	102	103	106	[103]	105	105	99	4.0
Breeder/UK contact												
Breeder	KWS	BA	BA	KWS	KWS	KWS	KWS	WPB	KWS	KWS	KWS	
UK contact	KWS	BA	Sen	KWS	KWS	KWS	KWS	LSPB	KWS	Sen	KWS	
Status in RL system												
Year first listed	22	22	11	17	20	17	22	21	19	19	14	
RL status	P1	P1	-	-	-	-	P1	P2	-	-	*	

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

UKFM = UK Flour Millers
 UK = Recommended for the UK
 C = Yield control (for the current table)
 * = Variety no longer under test in RL trials
 ∞ = No ratings available
 PGR = Plant growth regulator

[] = Limited data
 R = Believed to be resistant to orange wheat blossom midge (OWBM), but this has not been verified in Recommended List tests
 P1 = First year of recommendation
 P2 = Second year of recommendation

BA = Blackman Agriculture
 KWS = KWS UK (kws-uk.com)
 LSPB = LS Plant Breeding (lsqb.eu)
 Sen = Senova (senova.uk.com)
 WPB = Wiersum Plant Breeding

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