

Winter wheat 2024/25



End-use group	UKFM Group 1				UKFM Group 2				UKFM Group 3				Soft Group 4				Hard Group 4				Average LSD (5%)															
	UK	UK	UK	UK	UK	UK	UK	UK	UK	UK	UK	UK	E&W	UK	N	UK	UK	N&W	N	UK		UK	UK	UK	E&W	UK	UK	UK	UK	UK	UK	UK	UK	UK	UK	UK
Scope of recommendation	UK	UK	UK	UK	UK	UK	UK	UK	UK	UK	UK	UK	E&W	UK	N	UK	UK	N&W	N	UK	UK	UK	UK	E&W	UK	UK	UK	UK	UK	UK	UK	UK	UK	UK	UK	UK
Variety status	NEW	C							NEW				NEW								NEW															
Fungicide-treated grain yield (% treated control)																																				
United Kingdom (11.0 t/ha)	99	97	96	95	101	101	100	97	106	100	100	99	99	99	98	98	106	103	102	102	102	101	96	106	106	106	104	104	103	103	102	102	100	99	98	2.3
East region (10.9 t/ha)	98	97	96	95	101	101	99	97	105	101	100	100	98	98	98	98	105	103	103	102	103	100	96	106	106	106	104	104	103	103	101	102	100	99	99	2.7
West region (11.2 t/ha)	99	98	96	96	102	101	101	97	107	99	99	98	99	99	99	98	107	101	102	103	101	103	96	106	106	106	105	104	104	103	104	100	100	98	98	3.0
North region (11.3 t/ha)	97	[98]	95	94	99	101	99	96	[105]	99	100	98	[102]	100	97	98	104	[103]	102	102	101	103	100	[107]	103	103	105	101	105	103	102	102	101	99	99	3.4
Untreated grain yield (% treated control)																																				
United Kingdom (11.0 t/ha)	71	84	66	75	82	93	90	91	92	83	80	78	87	83	85	85	89	87	84	84	83	83	76	91	90	79	88	91	80	89	79	83	89	72	83	4.8
Disease resistance																																				
Mildew (1-9)	7	[8]	6	7	6	7	7	8	7	7	7	3	[6]	5	4	4	5	[7]	7	6	7	6	6	[6]	7	7	7	5	8	6	6	5	7	6	8	1.5
Yellow rust (1-9)	3	7	3	8	7	7	9	9	7	7	9	8	8	7	8	8	7	9	9	8	7	7	7	9	8	4	8	9	5	7	9	9	4	9	9	0.6
Yellow rust (young plant)	s	-	s	s	s	r	r	r	-	s	s	s	-	r	r	r	s	-	s	s	r	r	r	-	r	s	r	r	s	s	r	r	s	r	s	0.6
Brown rust (1-9)	7	6	9	3	5	6	6	5	6	5	5	5	6	6	7	7	7	6	5	6	5	5	5	5	6	6	6	7	6	5	4	6	7	5	5	0.6
Septoria tritici (1-9)	6.3	6.0	5.8	6.3	5.9	7.4	6.5	7.3	8.9	6.7	5.5	5.7	6.1	6.0	5.6	5.9	6.5	6.2	6.1	5.9	4.9	6.0	5.1	6.7	7.9	6.4	6.6	6.3	5.7	6.6	5.8	7.2	6.0	5.8	5.8	0.7
Eyespot (1-9)	6@	4	6@	5	6@	4	6	6	5@	6@	6@	5	5	4	5	5	4	5	5	4	5	4	4	6	4	5	5	5	5	4	5	6	5	6	5	1.5
Fusarium ear blight (1-9)	6	[7]	7	7	6	6	6	6	6	[5]	6	5	7	[6]	6	6	6	[8]	7	6	6	6	6	[6]	6	7	6	7	6	6	6	7	6	6	7	0.4
Orange wheat blossom midge	-	-	R	-	-	-	-	-	-	-	-	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	-
Agronomic features																																				
Resistance to lodging without PGR (1-9)	8	8	8	7	8	7	6	8	6	7	8	8	6	7	7	7	5	8	6	6	6	5	8	8	6	6	6	7	7	7	7	7	8	7	7	1.4
Resistance to lodging with PGR (1-9)	8	7	7	8	9	8	7	8	7	7	8	7	7	7	9	9	5	7	7	6	6	7	9	8	6	7	7	7	8	8	7	7	8	7	8	1.0
Lodging without PGR (%)	1	1	1	2	1	3	6	2	6	3	1	2	2	6	3	2	22	2	6	10	8	12	1	1	6	7	3	3	3	3	2	3	3	2	2	-
Lodging with PGR (%)	1	3	3	2	0	2	4	2	4	4	1	4	2	3	3	0	25	3	3	7	10	6	0	2	7	4	3	4	2	2	3	3	3	2	2	-
Straw length without PGR (cm)	86	91	87	84	91	92	87	85	90	90	84	93	87	86	85	90	95	92	90	92	93	92	80	90	89	95	86	85	89	91	90	88	88	85	85	1.5
Straw length with PGR (cm)	76	82	78	77	81	86	77	78	83	83	78	85	80	79	77	80	88	85	82	82	84	81	74	81	82	84	79	77	78	81	81	79	79	76	76	1.4
Ripening (days +/- Skyfall)	0	+1	0	+1	+1	-1	+1	-1	0	+2	+2	+2	+3	+1	+1	+2	+2	+2	+2	+2	+2	+3	+1	+2	0	+4	+2	+1	0	-1	+3	+2	+2	+2	+2	0.7
Resistance to sprouting (1-9)	6	-	5	6	6	6	[6]	[6]	[6]	-	[5]	[6]	[6]	[6]	[7]	[7]	[6]	-	[6]	[6]	6	[6]	[5]	-	[6]	5	[6]	[6]	6	6	[6]	6	6	[6]	6	1.1
Main market options (The specific attributes of varieties are different, so, whenever possible, varieties should not be mixed in store)																																				
UK bread-making	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
UK biscuit, cake-making	-	-	-	-	-	-	-	-	-	Y	Y	Y	Y	Y	Y	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
UK distilling	-	-	-	-	-	-	-	-	-	[Y]	[Y]	[Y]	[Y]	[Y]	[Y]	[Y]	[Y]	[Y]	[Y]	Y	[Y]	Y	Y	-	-	-	-	-	-	-	-	-	-	-	-	-
ukp bread wheat for export	Y	-	-	Y	Y	[Y]	-	Y	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
uks soft wheat for export	-	-	-	-	-	-	-	-	-	[Y]	[Y]	-	[Y]	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Grain quality																																				
Endosperm texture	Hard	Hard	Hard	Hard	Hard	Hard	Hard	Hard	Soft	Soft	Soft	Soft	Soft	Soft	Soft	Soft	Soft	Soft	Soft	Soft	Soft	Soft	Soft	Hard	Hard	Hard	Hard	Hard	Hard	Hard	Hard	Hard	Hard	Hard	Hard	Hard
Protein content (%)	11.7	11.8	11.8	12.3	11.8	11.5	11.3	11.4	11.6	10.9	11.1	11.0	10.8	11.1	11.3	11.4	10.7	10.9	10.7	10.8	11.0	10.9	10.9	11.1	11.0	10.5	11.2	11.2	11.7	11.5	11.8	11.7	11.8	11.4	12.3	0.2
Protein content (%) - milling spec	12.5	13.0	12.9	13.2	12.5	12.3	12.2	12.2	12.5	11.6	12.1	11.8	12.0	12.2	12.4	12.5	11.4	11.7	11.8	11.7	12.0	11.9	11.8	12.3	11.9	11.2	12.2	12.2	11.7	11.5	11.8	11.7	11.8	11.4	12.3	0.5
Hagberg Falling Number	248	299	265	265	258	283	271	305	294	239	248	260	221	186	251	232	147	299	202	224	204	240	255	253	235	261	202	299	215	271	286	164	271	321	21.8	
Specific weight (kg/hl)	78.3	79.5	79.1	78.3	78.0	79.1	79.6	77.6	79.1	78.5	75.4	78.0	77.1	77.6	77.0	78.1	75.2	78.2	76.8	76.6	77.1	76.2	76.6	78.3	75.4	78.6	76.1	79.9	76.9	77.7	75.8	77.1	76.3	81.1	0.6	
Chopin Alveograph W	-	[275]	266	243	-	203	189	[186]	207	103	105	[78]	[76]	98	88	-	-	124	[74]	[54]	-	[65]	-	-	-	-	-	-	-	-	-	-	-	-	-	30.1
Chopin Alveograph PL	-	[1.6]	1.0	0.6	-	0.7	0.7	[0.6]	0.8	0.5	0.4	[0.3]	[0.3]	0.3	0.3	-	-	0.5	[0.3]	[0.3]	-	[0.3]	-	-	-	-	-	-	-	-	-	-	-	-	-	0.3
Annual treated yield (% control)																																				
2019 (11.6 t/ha)	96	-	95	97	94	100	-	100	98	-	-	99	99	-	100	99	-	-	-	103	103	103	98	-	104	105	-	104	102	101	102	101	98	98	-	-
2020 (10.4 t/ha)	97	-	95	94	96	99	[102]	[100]	[96]	-	[101]	[102]	[100]	-	100	98	[105]	-	[103]	[103]	102	[101]	101	-	[105]	103	[104]	[105]	103	102	103	[101]	101	99	-	-
2021 (11.0 t/ha)	99	97	97	95	93	101	100	98	95	104	98	98	100	97	97	97	106	102	101	101	101	102	97	107	105	105	102	103	104	103	99	100	95	99	-	-
2022 (11.7 t/ha)	100	98	96	94	96	102	101	100	97	106	101	100	98	99	98	97	106	103	102	102	102	101	98	105	105	105	102	103	103	102	99	101	98	98	-	-
2023 (10.9 t/ha)	99	96	98	96	96	101	101	100	97	106	99	99	99	97	97	97	105	102	102	102	100	101	94	106	106	106	106	105	104	104	102	101	100	98	-	