

Winter barley 2024/25



	Buccaneer	Electrum	Craft	LG Caravelle	LG Capitol	Lightning	Bolivia	KWS Tardis	Bolton	Bordeaux	LG Mountain	LG Dazzle	KWS Orwell	Valerie	SY Thunderbolt [#]	SY Kingsbarn [#]	SY Kingston [#]	SY Canyon [#]	Belfry [#]	SY Nephin [#]	Bazooka [#]	SY Buzzard [#]	KWS Feeris	Average LSD (5%)
End-use group	Two-row malting			Two-row feed										Six-row feed										
Scope of recommendation	UK	UK	UK	UK	UK	UK	UK	UK	UK	UK	UK	UK	UK	UK	UK	UK	UK	UK	UK	UK	UK	Sp	Sp	
Variety status	C	C	C	NEW	NEW	NEW	NEW	C	C	*	C	C	C	C	*	C	C	C	C	C	C	NEW	C	
Fungicide-treated grain yield (% treated control)																								
United Kingdom (9.8 t/ha)	99	96	93	106	106	103	103	103	103	102	101	101	100	99	107	107	107	106	105	104	104	103	102	2.5
East region (9.5 t/ha)	100	96	93	107	107	104	104	104	105	104	102	103	99	99	106	106	106	105	105	105	104	104	102	3.2
West region (9.7 t/ha)	98	96	93	105	[103]	102	102	101	101	100	102	99	100	97	108	107	108	106	104	102	104	[101]	102	4.1
North region (10.5 t/ha)	100	96	93	104	[105]	103	103	103	101	102	101	101	99	100	107	107	106	106	105	105	106	[102]	100	3.5
Untreated grain yield (% treated control)																								
United Kingdom (9.8 t/ha)	87	80	80	90	89	90	88	85	86	82	84	88	83	74	88	83	87	91	87	92	83	82	84	4.3
Disease resistance																								
Mildew (1-9)	6	6	6	7	6	6	8	5	6	6	6	5	3	7	7	7	7	6	6	5	6	5	5	1.3
Brown rust (1-9)	8	7	7	7	7	8	8	6	7	6	7	8	7	4	6	5	6	6	6	7	5	6	6	0.7
Rhynchosporium (1-9)	7	5	6	6	6	6	6	6	5	4	5	7	6	6	7	7	7	6	7	7	7	6	6	1.1
Net blotch (1-9)	6	5	5	6	5	6	6	6	5	5	4	5	5	5	6	5	6	6	5	6	5	7	6	0.8
BaYMV1 & BaMMV	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	-
BaYMV2	-	-	-	-	-	-	-	-	-	-	-	-	-	R	-	-	-	-	-	-	-	-	-	-
Agronomic features																								
Resistance to lodging without PGR (1-9)	[7]	7	8	[8]	[7]	6	[8]	8	8	8	7	7	8	8	5	6	6	6	7	[6]	6	[8]	8	1.4
Resistance to lodging with PGR (1-9)	7	7	8	7	7	6	8	8	8	8	7	7	8	8	6	7	5	6	8	7	6	7	7	1.1
Lodging without PGR (%)	[6]	4	2	[2]	[3]	15	[2]	1	1	1	5	4	2	2	25	15	18	13	5	[10]	11	[1]	2	-
Lodging with PGR (%)	3	3	1	2	2	5	1	0	1	1	3	3	1	1	8	4	11	6	1	3	5	2	3	-
Straw length without PGR (cm)	100	102	99	93	[94]	95	93	97	95	95	94	95	96	95	115	116	120	119	113	113	120	[115]	102	3.7
Straw length with PGR (cm)	91	92	91	86	85	89	90	86	84	85	85	86	87	87	107	106	109	109	104	104	111	107	97	2.3
Brackling (%)	4	9	10	8	11	13	15	6	8	9	27	7	8	8	18	16	19	11	11	23	14	10	12	-
Ripening (days +/- KWS Orwell)	+1	-1	0	0	0	-1	0	0	0	0	-1	+1	0	-1	-1	0	-1	-1	0	0	0	-1	0	1.1
Main market options																								
MBC malting approval for brewing use	P	F	F	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Grain quality																								
Specific weight (kg/hl)	69.6	69.7	69.9	71.4	69.9	68.8	69.9	70.1	69.3	70.5	70.7	68.9	68.9	70.6	70.2	70.2	70.1	71.1	68.8	70.7	69.9	69.0	69.2	0.8
Screenings (% through 2.25 mm)	2.2	2.4	2.3	1.7	1.9	1.9	1.3	1.7	1.6	1.3	1.9	2.0	1.7	0.8	2.0	1.5	2.7	1.9	2.7	3.5	2.6	3.2	1.4	0.7
Screenings (% through 2.5 mm)	6.4	6.8	6.8	4.5	5.2	5.4	3.3	5.2	4.8	3.7	5.7	5.9	5.4	2.1	7.2	5.5	9.0	6.2	9.3	12.2	8.3	13.1	5.6	1.8
Nitrogen content (%)	1.68	1.71	1.68	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.74	0.11
Malting quality																								
Hot water extract (l deg/kg)	307.9	306.9	308.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	295.9	2.2
Annual treated yield (% control)																								
2019 (10.4 t/ha)	-	96	93	-	-	103	-	103	102	103	102	101	99	-	107	106	105	105	104	-	104	-	102	-
2020 (9.3 t/ha)	101	96	94	107	-	104	104	103	104	102	104	102	101	99	106	106	108	105	105	104	105	-	102	-
2021 (9.8 t/ha)	98	96	94	104	105	102	101	103	101	100	98	100	99	98	107	106	105	106	103	105	105	103	102	-
2022 (10.0 t/ha)	99	96	92	106	106	104	105	101	103	103	102	100	100	100	108	108	108	107	105	105	105	102	103	-
2023 (10.1 t/ha)	98	97	92	104	105	104	102	103	101	102	101	101	99	100	107	109	107	106	106	104	105	102	100	-
Soil type (about 50% of trials are medium soils)																								
Light soils (9.7 t/ha)	98	96	94	103	[104]	103	104	102	103	102	102	102	99	100	106	107	106	107	104	105	106	[101]	101	4.3
Heavy soils (9.4 t/ha)	98	96	93	106	[109]	103	103	106	104	104	101	102	100	[100]	105	103	101	102	102	102	103	[100]	102	5.7
Breeder/UK contact																								
Breeder	Sej	SyP	SyP	LimEur	Lim	Ack	NS	KWS	Ack	NS	LimEur	Lim	KWS	Bre	SyP	SyP	SyP	SyP	SyP	SyP	SyP	SCP	KWS	-
UK contact	SU	Syn	Syn	Lim	Lim	ElsAck	Agr	KWS	ElsAck	Sen	Lim	Lim	KWS	Sen	Syn	Syn	Syn	Syn	Syn	Syn	Syn	Syn	KWS	-
Status in RL system																								
Year first listed	23	18	16	23	24	22	23	21	21	21	19	22	16	19	21	19	21	22	16	23	16	24	22	-
RL status	P2	-	-	P2	P1	-	P2	-	-	*	-	-	-	-	*	-	-	-	-	P2	-	P1	-	-

Varieties no longer listed: Belmont, California, Funky, KWS Cassia, KWS Hawking and Surge. KWS Feeris and SY Buzzard have a specific recommendation for tolerance to *Barley yellow dwarf virus* (BYDV). Tolerance to BYDV has not been verified in RL tests. Growers are strongly advised to check with their buyer before committing to a malting variety without full MBC approval. All winter barley varieties in RL 2024/25 are believed to be resistant to *barley yellow mosaic virus* strain 1 (BaYMV1) and *barley mild mosaic virus* (BaMMV).

On the 1-9 scales, high figures indicate that a variety shows the character to a high degree (e.g. high resistance). Comparisons of variety performance across regions are not valid.

UK = Recommended for the UK
 Sp = Specific recommendation
 C = Yield control
 * = Variety no longer under test in RL trials
 # = Hybrid variety

PGR = Plant growth regulator
 [] = Limited data
 R = Believed to be resistant to the trait, but this has not been verified in RL tests

MBC = Malting Barley Committee
 P = Provisional MBC approval
 F = Full MBC approval

P1 = First year of listing
 P2 = Second year of listing

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

Ack = Ackermann Saatzzucht GmbH (sz-ackermann.de)
 Agr = Agrii (agrii.co.uk)
 Bre = Saatzzucht Josef Breun, Germany (breun.de)
 ElsAck = Elsoms Ackermann Barley (elsoms.com)

KWS = KWS UK (kws-uk.com)
 Lim = Limagrain UK (lgseeds.co.uk)
 LimEur = Limagrain Europe SA (lgseeds.co.uk)

NS = Nordic Seed, Denmark (nordicseed.com)
 SCP = Syngenta Crop Protection (syngenta-crop.co.uk)
 Sej = Sejet, Denmark (sejet.com)

Sen = Senova (senova.uk.com)
 SU = Saaten Union UK (saaten-union.co.uk)
 Syn = Syngenta UK Ltd (syngenta.co.uk)
 SyP = Syngenta Participations AG (syngenta.co.uk)