

Winter barley varieties grown in RL trials in 2021 but not added to the AHDB Recommended List

	Control varieties					Other varieties						Average LSD (5%)
	Electrum	Craft	LG Mountain	Bazooka	Funky	KWS Oasis	LG Dracula	Pixie	SU Laubella	LG Prodigy	Sy Javelin #	
Fungicide-treated grain yield (% treated control)												
United Kingdom (9.8 t/ha)	96	95	102	104	103	103	102	102	102	102	105	2.7
East region (9.6 t/ha)	96	95	103	104	102	103	104	104	102	104	106	3.2
West region (10.0 t/ha)	95	94	102	104	104	104	[103]	100	102	[100]	[105]	3.9
North region (10.0 t/ha)	95	96	102	104	103	101	99	102	103	99	104	3.6
Untreated grain yield (% treated control)												
United Kingdom (9.8 t/ha)	78	78	82	84	88	84	88	82	83	85	87	5.0
Main market options												
MBC malting approval for brewing use	F	F	-	-	-	-	-	-	-	-	-	-
Grain quality												
Specific weight (kg/hl)	70.0	70.1	70.5	70.0	69.8	69.7	67.3	70.7	69.4	69.6	69.6	0.8
Screenings (% through 2.25 mm)	2.0	2.0	1.9	2.2	3.4	1.4	1.8	1.0	1.5	2.0	1.9	0.7
Screenings (% through 2.5 mm)	5.9	6.2	6.0	7.7	13.2	4.2	5.4	3.3	4.9	6.2	8.5	1.8
Nitrogen content (%)	1.73	1.67	-	-	-	-	-	-	-	-	-	0.20
Agronomic features												
Resistance to lodging without PGR (1-9) - see note below	7	7	6	6	8	7	[7]	7	7	[6]	[6]	1.4
Resistance to lodging with PGR (1-9) - see note below	7	8	6	6	7	8	7	8	6	6	6	1.0
Straw height without PGR (cm)	97	97	92	117	97	98	[88]	90	95	[98]	[110]	3.9
Straw height with PGR (cm)	90	88	83	107	91	87	82	83	87	90	100	2.7
Ripening (+/-KWS Orwell, -ve = earlier)	-1	0	-1	0	-1	0	+1	0	-1	0	-1	1.1
Disease resistance												
Mildew (1-9)	6	6	5	5	5	6	6	7	8	6	5	1.2
Brown rust (1-9)	7	7	7	5	7	7	7	7	7	8	6	1.0
Rhynchosporium (1-9)	6	6	6	6	6	6	8	5	6	7	8	1.4
Net blotch (1-9)	5	6	5	5	5	[6]	[5]	[5]	[6]	[5]	[5]	1.2
BaYMV	R	R	R	R	R	R	R	R	R	R	R	-
Breeder/UK contact												
Breeder	SyP	SyP	LimEur	SyP	KWSMR	KWS	Lim	Bre	Nord	Lim	SyP	
UK contact	Syn	Syn	Lim	Syn	KWS	KWS	Lim	Sen	SU	Lim	Syn	

This table should be read in conjunction with the AHDB Recommended List of winter barley varieties for 2022/23. On the 1-9 scales, high figures indicate that a variety shows the character to a high degree (e.g. high resistance). Comparisons of varieties across regions are not valid.

= Hybrid variety
 PGR = Plant growth regulator
 [] = Limited data
 F = Full MBC approval

R = Believed to be resistant to *Barley mild mosaic virus* (BaMMV) and to *Barley yellow mosaic virus* (BaYMV) strain 1, but this has not been verified in Recommended List tests

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

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

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

Lodging ratings for RL 2022/23

The scales used to calculate the lodging ratings for the RL 2022/23 have been adjusted to include susceptible and resistant fixed points. The aim is to make the ratings more representative of what is seen in the field and improve consistency of the ratings over years. This has contributed to a drop in ratings for some varieties, compared to the 2021/22 RL. However, this does not mean that these varieties have become more susceptible since last year. As for all ratings, statistical significance (LSD) should be taken into account when deciding if varieties have a different susceptibility to the trait.