

## Winter barley trials harvest 2023

### Candidate varieties



Previous/proposed name	Variety ID	Yield treated (T) - UK	Yield treated (T) - East	Yield treated (T) - West	Yield treated (T) - North	Yield untreated (UT) (% treated controls)	Lodging % (UT)	Lodging % (T)	Brackling % (T)	Straw length (cm) (UT)	Ripening (days +/- KWS Orwell)	Specific weight (kg/ha)	Mildew (1-9)	Brown rust (1-9)	Rhynchosporium (1-9)	Net blotch (1-9)	BaMMV	BYDV tolerance	Variety type	UK contact	
<b>Control varieties</b>																					
Craft	SY212-128	2743	93	93	93	94	81	[1]	2	8	[94]	0	71.3	6	7	6	5	R	-	Two-row	Syngenta UK Ltd
Funky	MH08KU37	2807	103	103	102	104	88	[4]	2	14	[94]	0	70.3	5	7	6	5	R	-	Six-row	KWS UK
Electrum	SY614009	2886	96	96	97	96	82	[4]	6	6	[94]	-1	71.5	6	7	5	5	R	-	Two-row	Syngenta UK Ltd
SY Kingsbarn	SY 214286	2945	107	107	107	107	83	[10]	11	11	[109]	0	71.6	7	5	6	5	R	-	Six-row hybrid	Syngenta UK Ltd
LG Mountain	LGBU14-6669	2976	100	100	101	99	84	[3]	3	22	[87]	0	71.9	5	7	5	5	R	-	Two-row	Limagrain UK
<b>Selected as potential malting varieties</b>																					
Demoisel	SC22693TH	3391	98	[100]	[98]	[97]	[84]	[2]	[2]	11	[95]	0	71.3	3	6	7	6	R	-	Six-row	Agrii
<b>Selected as potential feed varieties</b>																					
LG Capitol	LGBU18-6905-D	3394	107	[110]	[104]	[105]	[90]	[3]	[4]	9	[86]	+1	70.9	6	7	6	5	R	-	Two-row	Limagrain UK
Resolute	NOS916.008-52	3420	104	[105]	[104]	[102]	[90]	[2]	[2]	11	[90]	+1	70.2	6	8	7	5	R	-	Two-row	Agrovista UK Ltd
Valiant	AC14/361/28	3397	103	[107]	[98]	[101]	[88]	[1]	[3]	15	[90]	0	69.5	5	7	7	6	R	-	Two-row	Elsoms Ackermann Barley
Aleksandra	BOLB17.4211	3419	103	[105]	[100]	[101]	[99]	[12]	[36]	11	[102]	0	73.3	7	8	7	5	R	-	Two-row	Agrovista UK Ltd
SY Loona	SY219823B	3413	108	[108]	[106]	[108]	[93]	[3]	[10]	8	[113]	+1	69.5	6	6	8	5	R	-	Six-row hybrid	Syngenta UK Ltd
SY Harrier	SY220060	3416	104	[105]	[101]	[104]	[79]	[20]	[3]	15	[99]	0	69.2	6	5	7	6	R	Y	Six-row hybrid	Syngenta UK Ltd
Valvira	AC14/066/83	3398	104	[104]	[99]	[110]	[81]	[17]	[10]	23	[109]	[+1]	67.5	7	5	7	4	R	Y	Six-row	Elsoms Ackermann Barley
SY Buzzard	SY220061	3417	104	[106]	[100]	[103]	[84]	[6]	[3]	7	[112]	0	69.7	6	5	7	6	R	Y	Six-row hybrid	Syngenta UK Ltd
Mean of controls (t/ha)			9.7	9.1	9.4	11.2	9.7	-	-	-	-	289	-	-	-	-	-	-	-	-	-
Overall mean			-	-	-	-	-	4.3	4.5	9.3	97	-	70.9	-	-	-	-	-	-	-	-
LSD 5%			3.4	5.0	5.4	4.1	5.3	4.9	1.9	0.7	8.4	1.0	0.8	-	-	-	-	-	-	-	-
Number of trials (for candidate varieties)			17	9	3	5	9	5	7	13	6	10	10	-	-	-	-	-	-	-	-

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

The 1-9 ratings are not comparable to those used on the RL table.

See the AHDB RL for full data on control varieties.

Candidate varieties will be considered for the RL 2024/25.

**These summaries are derived from National List and BSPB trials. Acknowledgement is made to APHA and BSPB for the use of the data.**

T = Data from trials treated with fungicide and plant growth regulator (PGR)

UT = Data from trials without fungicide or plant growth regulator (PGR)

[ ] = Limited data

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 RL tests

Y = Believed to be tolerant to *Barley yellow dwarf virus* (BYDV), but this has not been verified in RL tests

LSD = Least significant difference

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