

Winter barley trials harvest 2024

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)	Mildew (1–9)	Brown rust (1–9)	Rhynchosporium (1–9)	Net blotch (1–9)	BaYMV 1	BaYMV 2	BaMMV	BYDV tolerance	Lodging % (T)	Lodging % (UT)	Brackling % (T)	Straw length (cm) (UT)	Ripening (days +/- KWS Orwell)	Specific weight (kg/hl)	Variety type	UK contact	
Control varieties																							
Craft	SY212-128	2743	92	91	[92]	92	83	6	7	6	5	R	-	R	-	[0]	[1]	9	[89]	0	70.3	Two-row	Syngenta UK Ltd
Electrum	SY614009	2886	97	98	[97]	95	85	6	7	5	5	R	-	R	-	[3]	[1]	10	[89]	-1	70.7	Two-row	Syngenta UK Ltd
SY Kingsbarn	SY 214286	2945	108	108	[110]	108	85	7	5	7	5	R	-	R	-	[1]	[3]	17	[106]	-1	70.9	Six-row hybrid	Syngenta UK Ltd
KWS Tardis	KWSB134	3120	102	102	[100]	104	88	5	6	6	6	R	-	R	-	[0]	[0]	5	[83]	0	70.8	Two-row	KWS UK
KWS Feeris	KM13CO24	3222	101	101	[101]	[101]	84	5	6	6	6	R	-	R	Y	[0]	[4]	19	[98]	0	69.7	Six-row	KWS UK
Selected as potential feed varieties																							
Integral	SC 104465 UH	3476	105	104	[109]	[103]	[92]	4	6	6	5	R	-	R	Y	[0]	[0]	6	[95]	[-1]	70.5	Six-row	Agrii
Russo	NOS 917.034-53	3479	106	108	[107]	[102]	[93]	6	6	6	5	R	-	R	-	[1]	[0]	12	[87]	[0]	70.6	Two-row	Agrii
Bastion	NOS 917.003-66	3481	104	105	[101]	[105]	[93]	5	7	6	5	R	-	R	-	[0]	[2]	9	[89]	[0]	70.8	Two-row	Agrovista UK Ltd
Sixy	AC 15/455/57	3483	103	103	[102]	[105]	[78]	7	5	6	5	R	-	R	Y	[0]	[4]	6	[101]	[1]	67.8	Six-row	Elsoms Ackermann Barley
Rosemary	AC 17/089/50	3485	Data cannot be published as variety has not completed GB and NI Variety Lists testing																			Elsoms Ackermann Barley	
LG Carpenter	LGBU19-7269-D	3487	103	105	[102]	[97]	[93]	6	7	7	6	R	-	R	Y	[4]	[1]	12	[92]	[-1]	71.2	Two-row	Limagrain UK
Kitty	Br12938p2	3494	106	105	[104]	[108]	[84]	6	5	6	6	R	R	R	-	[0]	[0]	3	[87]	[2]	73.7	Two-row	Senova
NOS Olena	NOS917.039-67	3495	105	105	[102]	[106]	[89]	6	6	6	6	R	-	R	-	[0]	[0]	5	[85]	[1]	70.7	Two-row	Senova
Organa	NOS917.049-59	3496	102	103	[102]	[99]	[90]	7	7	6	5	R	-	R	Y	[2]	[0]	18	[98]	[0]	70.0	Two-row	Senova
SU Arion	NORD 19042/16	3500	106	107	[103]	[103]	[90]	8	6	6	6	R	-	R	-	[4]	[1]	21	[90]	[0]	69.7	Two-row	Saaten Union UK
SU Newmarket	NORD 18139/27	3502	105	106	[102]	[104]	[95]	8	7	3	5	R	R	R	-	[1]	[6]	15	[88]	[-2]	71.6	Two-row	Saaten Union UK
SY Quantock	SY221180	3505	108	106	[116]	[108]	[95]	7	6	7	5	R	-	R	-	[1]	[0]	12	[108]	[-1]	70.9	Six-row hybrid	Syngenta UK Ltd
SY Kestrel	SY221200	3507	103	102	[107]	[103]	[89]	7	6	7	6	R	-	R	Y	[2]	[0]	8	[106]	[-1]	69.4	Six-row hybrid	Syngenta UK Ltd
Aretha	STRG 283/18	3510	105	107	[105]	[101]	[89]	6	6	6	6	R	R	R	-	[2]	[1]	19	[88]	[-2]	70.7	Two-row	Cope Seeds & Grain
KWS Valencis	KWS B154	3514	105	106	[103]	[103]	[92]	6	7	6	5	R	-	R	-	[0]	[0]	8	[88]	[-1]	70.6	Two-row	KWS UK
KWS Heraclis	KWS B157	3517	105	106	[103]	[107]	[93]	5	6	5	5	R	-	R	-	[0]	[0]	4	[83]	[0]	70.5	Two-row	KWS UK
Inys	KW 21-1961	3521	109	109	[114]	[106]	[93]	7	6	6	6	R	-	R	-	[0]	[0]	7	[105]	[-1]	69.6	Six-row hybrid	KWS UK
Mean of controls (t/ha)		10.0	9.6	9.5	11.4	10.0	-	-	-	-	-	-	-	-	-	-	-	93	-	70.6			
Overall mean		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
LSD 5%		3.2	4.1	8.2	5.1	5.0	-	-	-	-	-	-	-	-	-	-	-	6.9	1.1	0.8			
Number of trials (for candidate varieties)		15	10	2	3	8	-	-	-	-	-	-	-	-	-	-	-	6	8	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 in the RL table.

See the AHDB RL for full data on control varieties.

Candidate varieties will be considered for the RL 2025/26.

These summaries are derived from GB and NI Variety Lists (VL) and BSPB trials. Acknowledgement is made to APHA and BSPB for the use of the data.

Varieties are ordered within a group by ascending variety ID.

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 the trait but this has not been verified in RL tests

Y = Believed to be tolerant to the trait 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