

## Winter barley varieties grown in RL trials in 2023 but not added to the AHDB Recommended List

	Electrum	Craft	KWS Tardis	SY Kingsbarn #	KWS Feeris	Valiant	SY Loona #	Valvira	SY Harrier #	Average LSD (5%)
	Control varieties				Two-row feed	Six-row feed				
<b>Fungicide-treated grain yield (% treated control)</b>										
United Kingdom (9.8 t/ha)	96	93	103	107	102	103	109	103	103	2.5
East region (9.5 t/ha)	96	93	104	106	102	105	107	101	104	3.2
West region (9.7 t/ha)	96	93	101	107	102	[101]	[110]	[105]	[102]	4.1
North region (10.5 t/ha)	96	93	103	107	100	[101]	[110]	[105]	[102]	3.5
<b>Untreated grain yield (% treated control)</b>										
United Kingdom (9.8 t/ha)	80	80	85	83	84	87	92	79	78	4.3
<b>Disease resistance</b>										
Mildew (1–9)	6	6	5	7	5	5	7	7	7	1.3
Brown rust (1–9)	7	7	6	5	6	7	6	6	5	0.7
Rhynchosporium (1–9)	5	6	6	7	6	6	7	6	7	1.1
Net blotch (1–9)	5	5	6	5	6	6	7	6	6	0.8
BaYMV1 & BaMMV	R	R	R	R	R	R	R	R	R	-
BaYMV2	-	-	-	-	-	-	-	-	-	-
<b>Agronomic features</b>										
Resistance to lodging without PGR (1–9)	7	8	8	6	8	[7]	[5]	[7]	[8]	1.4
Resistance to lodging with PGR (1–9)	7	8	8	7	7	8	7	5	7	1.1
Straw length without PGR (cm)	102	99	97	116	102	[102]	[112]	[113]	[102]	3.7
Straw length with PGR (cm)	92	91	86	106	97	88	108	107	96	2.3
Ripening (days +/- KWS Orwell)	-1	0	0	0	0	-1	0	0	0	1.1
<b>Main market options</b>										
MBC malting approval for brewing use	F	F	-	-	-	-	-	-	-	
<b>Grain quality</b>										
Specific weight (kg/hl)	69.7	69.9	70.1	70.2	69.2	68.3	69.0	65.8	68.3	0.8
Screenings (% through 2.25 mm)	2.4	2.3	1.7	1.5	1.4	2.3	3.1	3.9	5.6	0.7
Screenings (% through 2.5 mm)	6.8	6.8	5.2	5.5	5.6	7.7	11.2	12.2	19.5	1.8
Nitrogen content (%)	1.71	1.68	-	-	1.74	-	-	-	-	0.11
<b>Breeder/UK contact</b>										
Breeder	SyP	SyP	KWS	SyP	KWS	Ack	SCP	Ack	SCP	
UK contact	Syn	Syn	KWS	Syn	KWS	ElsAck	Syn	ElsAck	Syn	

This table should be read in conjunction with the winter barley RL 2024/25.

SY Harrier is believed to be tolerant to *Barley yellow dwarf virus* (BYDV), but this has not been verified in RL tests.

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

MBC = Malting Barley Committee  
F = Full MBC approval  
R = Believed to be resistant to the trait, but this has not been verified in RL tests

BaYMV1 = *Barley yellow mosaic virus* strain 1  
BaYMV2 = *Barley yellow mosaic virus* strain 2  
BaMMV = *Barley mild mosaic virus*

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 Saatzucht GmbH ([sz-ackermann.de](http://sz-ackermann.de))  
Agr = Agrii ([agrii.co.uk](http://agrii.co.uk))  
AgV = Agrovista UK Ltd ([agrovista.co.uk](http://agrovista.co.uk))  
ElsAck = Elsoms Ackermann Barley ([elsoms.com](http://elsoms.com))

KWS = KWS UK ([kws-uk.com](http://kws-uk.com))  
SCP = Syngenta Crop Protection ([syngenta-crop.co.uk](http://syngenta-crop.co.uk))  
Sec = Secobra, France ([secobra.fr/en/accueil](http://secobra.fr/en/accueil))

Syn = Syngenta UK Ltd ([syngenta.co.uk](http://syngenta.co.uk))  
SyP = Syngenta Participations AG ([syngenta.co.uk](http://syngenta.co.uk))