

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

	H2023 candidate varieties					Varieties no longer listed ¹			Average LSD (5%)				
	Skyway	Firefox	Laureate	LG Diablo	RGT Planet	RGT Celest	KWS Neils	RGT Eclipse		Rocker	Florence	Sun King	KWS Curtis
	Control varieties					Malting varieties			Feed varieties	Suitable for feed			
Fungicide-treated grain yield (% treated control)													
United Kingdom (7.8 t/ha)	102	101	101	99	97	102	101	100	101	103	102	101	2.3
East region (7.9 t/ha)	103	101	101	99	97	102	101	99	103	103	100	101	3.1
West region (7.4 t/ha)	103	102	102	98	96	[102]	[100]	[100]	[99]	103	104	100	3.6
North region (8.2 t/ha)	101	102	100	100	97	102	103	100	102	102	101	102	2.7
Untreated grain yield (% treated control)													
United Kingdom (7.8 t/ha)	91	90	92	88	87	91	92	90	91	93	94	90	3.0
Disease resistance													
Mildew (1–9)	8	8	9	8	8	8	9	8	8	[8]	[9]	[8]	0.8
Brown rust (1–9)	4	4	5	5	4	5	5	5	5	5	6	5	1.1
Rhynchosporium (1–9)	7	6	7	6	6	[6]	[6]	[5]	[7]	5	5	7	1.5
Agronomic features													
Resistance to lodging without PGR (1–9)	7	7	6	7	7	[8]	[7]	[8]	[6]	[8]	[8]	[8]	1.1
Straw length without PGR (cm)	77	72	72	73	75	68	71	73	70	70	74	70	1.8
Ripening (days +/- RGT Planet)	0	0	+1	+3	0	+1	+1	1	+2	0	+2	+1	0.9
Resistance to brackling (1–9)	8	8	8	8	8	8	8	8	8	9	9	9	0.7
Main market options													
MBC malting approval for brewing use	F	-	F	F	F	T	T	T	Nt	Nt	Nt	Nt	-
MBC malting approval for malt distilling use	-	F	F	F	Nt	-	T	-	-	-	-	Nt	-
Grain quality													
Specific weight (kg/hl)	69.3	67.0	67.2	67.7	68.7	66.2	67.7	68.2	66.7	68.1	67.6	67.4	0.6
Screenings (% through 2.25 mm)	0.9	1.4	1.3	1.4	1.2	2.0	1.4	1.1	1.5	1.1	1.2	1.9	0.3
Screenings (% through 2.5 mm)	2.3	3.6	3.2	3.5	3.3	5.1	3.9	3.5	4.2	3.1	3.0	5.1	1.0
Nitrogen content (%)	1.52	1.49	1.49	1.50	1.52	1.47	1.48	1.52	1.48	1.50	1.48	1.49	0.05
Breeder/UK contact													
Breeder	NS	Ack	SyP	LimEur	RAGT	RAGT	KWSGmbh	RAGT	Sec	Bre	Sec	KWS	
UK contact	Agr	ElsAck	Syn	Lim	RAGT	RAGT	KWS	RAGT	Agr	Sen	Agr	KWS	

This table should be read in conjunction with the spring barley RL 2024.
 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.

¹ Varieties previously under test for malting, but not added to the MBC Approved List.

PGR = Plant growth regulator
 [] = Limited data

MBC = Malting Barley Committee
 F = Full MBC approval in this segment
 T = Under test for MBC approval in this segment
 Nt = Not approved by MBC in this segment

LSD = Least significant difference
 Average LSD (5%): varieties that are more than one LSD apart are significantly different at the 5% 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)
 KWSGmbh = KWS Lochow GmbH (kws-uk.com)
 Lim = Limagrain UK (lgseeds.co.uk)
 LimEur = Limagrain Europe SA (lgseeds.co.uk)

NS = Nordic Seed, Denmark (nordicseed.com)
 RAGT = RAGT Seeds (ragt.co.uk)
 Sec = Secobra, France (secobra.fr/en/accueil)

Sen = Senova (senova.uk.com)
 Syn = Syngenta UK Ltd (syngenta.co.uk)
 SyP = Syngenta Participations AG (syngenta.co.uk)