

Spring barley varieties grown in RL trials in 2022 but not added to the AHDB Recommended List

	Control varieties					H2022 candidate varieties				Varieties no longer listed #					Average LSD (5%)
	Laureate	LG Diablo	RGT Planet	Propino	Sy Tungsten	Marionis	RGT Starlight	Trent	LG Flamenco	Jensen	Sy Bronte	Spinner	Sy Tungsten	Sy Splendor	
<b>Fungicide-treated grain yield (% treated control)</b>															
United Kingdom (7.5 t/ha)	103	101	98	95	103	104	103	102	101	105	103	103	103	102	2.3
East region (7.5 t/ha)	103	102	99	94	102	102	102	103	103	105	104	103	102	102	3.3
West region (7.3 t/ha)	104	101	98	95	103	[102]	[104]	[101]	[101]	105	104	105	103	101	3.8
North region (7.8 t/ha)	102	102	99	95	103	105	102	103	99	104	103	101	103	102	2.8
<b>Untreated grain yield (% treated control)</b>															
United Kingdom (7.5 t/ha)	94	92	89	82	91	94	91	92	88	95	92	97	91	90	2.9
<b>Main market options</b>															
MBC malting approval for brewing use	F	F	F	O	N	T	T	T	N	N	N	N	N	N	
MBC malting approval for malt distilling use	F	F	N	N	N	-	-	-	-	-	-	-	N	-	
MBC malting approval for grain distilling use	-	-	N	N	-	-	-	-	-	-	-	-	-	-	
<b>Grain quality</b>															
Specific weight (kg/hl)	67.2	67.8	68.8	68.8	68.2	67.2	67.1	67.2	67.6	66.6	67.2	68.1	68.2	68.7	0.6
Screenings (% through 2.25 mm)	1.2	1.3	1.2	0.9	1.7	1.4	1.3	1.5	1.2	1.4	1.4	1.2	1.7	1.4	0.3
Screenings (% through 2.5 mm)	3.0	3.2	3.2	2.0	5.1	3.3	3.4	4.2	3.0	3.7	3.3	3.3	5.1	3.7	0.9
Nitrogen content (%)	1.52	1.49	1.54	-	1.48	1.48	1.51	1.53	1.54	1.47	1.51	1.52	1.48	1.53	0.08
<b>Agronomic features</b>															
Resistance to lodging without PGR (1-9)	6	7	7	7	7	[6]	[7]	[8]	[8]	6	7	7	7	7	1.1
Straw length without PGR (cm)	70	71	73	73	72	[71]	[69]	[66]	[68]	66	73	70	72	73	2.0
Ripening (days +/- RGT Planet)	+1	+2	0	-1	+1	+2	+1	-1	+1	+2	+1	+2	+1	+1	0.8
Resistance to brackling (1-9)	8	8	8	8	8	8	8	8	9	8	8	8	8	9	0.8
<b>Disease resistance</b>															
Mildew (1-9)	9	9	8	6	9	9	8	9	8	9	9	9	9	9	0.7
Brown rust (1-9)	5	5	5	5	4	5	5	6	4	4	4	5	4	3	1.1
Rhynchosporium (1-9) - see note below	7	6	6	7	4	[7]	[3]	[7]	[5]	6	6	4	4	6	2.6
<b>Breeder/UK contact</b>															
Breeder	SyP	LimEur	RAGT	SyP	SyP	Syn	R2n	NS	LimEur	Sej	SyP	Sec	SyP	SyP	
UK contact	Lim	Lim	RAGT	Syn	Syn	KWS	RAGT	AgV	Lim	Lim	Syn	Agr	Syn	Syn	

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

This table should be read in conjunction with the AHDB RL of spring barley varieties for 2023. 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.

PGR = Plant growth regulator  
 [] = Limited data  
 MBC = Malting Barley Committee  
 F = Full MBC approval in this segment  
 N = Not approved by MBC in this segment  
 O = No longer approved by MBC in this segment  
 T = Under test for MBC approval in this segment

Agr = Agrii ([agrii.co.uk](http://agrii.co.uk))  
 AgV = Agrovista UK Ltd ([agrovista.co.uk](http://agrovista.co.uk))  
 KWS = KWS UK ([kws-uk.com](http://kws-uk.com))  
 Lim = Limagrain UK ([lgseeds.co.uk](http://lgseeds.co.uk))  
 LimEur = Limagrain Europe SA ([lgseeds.co.uk](http://lgseeds.co.uk))  
 NS = Nordic Seed, Denmark ([nordicseed.com](http://nordicseed.com))

R2n = RAGT, France ([ragt.co.uk](http://ragt.co.uk))  
 RAGT = RAGT Seeds ([ragt.co.uk](http://ragt.co.uk))  
 Sec = Secobra, France ([secobra.com](http://secobra.com))  
 Sej = Sejet, Denmark ([sejet.com](http://sejet.com))  
 Syn = Syngenta UK Ltd ([syngenta.co.uk](http://syngenta.co.uk))  
 SyP = Syngenta Participations AG ([syngenta.co.uk](http://syngenta.co.uk))

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

**Rhynchosporium ratings**

Low disease levels in trials in 2020 and 2021 limited data and resulted in low confidence in the rhynchosporium ratings for newer varieties (indicated by bracketed ratings), with some recommended with very low ratings. Sufficient data from 2022 has enabled more robust ratings to be calculated, producing ratings more in line with those expected for recommended varieties.