

Spring barley varieties grown in RL trials in 2021 but not added to the AHDB Recommended List

	Control varieties					Other varieties	Average LSD (5%)
	Cosmopolitan	LG Diablo	Laureate	RGT Planet	Propino	Malting variety Winston	
Fungicide-treated grain yield (% treated control)							
United Kingdom (7.4 t/ha)	102	102	102	99	95	102	2.2
East region (7.3 t/ha)	102	103	102	99	94	101	3.3
West region (7.1 t/ha)	102	101	103	99	96	[101]	3.5
North region (7.8 t/ha)	103	102	102	99	95	102	2.7
Untreated grain yield (% treated control)							
United Kingdom (7.4 t/ha)	92	92	94	90	81	91	2.9
Main market options							
MBC malting approval for brewing use	N	F	F	F	O	T	
MBC malting approval for malt distilling use	-	F	F	N	N	T	
MBC malting approval for grain distilling use	-	-	-	N	N	-	
Grain quality							
Specific weight (kg/hl)	66.4	67.1	66.6	68.0	68.3	67.6	0.6
Screenings (% through 2.25 mm)	1.4	1.4	1.3	1.2	0.9	1.1	0.3
Screenings (% through 2.5 mm)	3.3	3.3	3.1	3.1	1.9	2.5	0.7
Nitrogen content (%)	1.52	1.52	1.54	1.56	-	1.58	0.09
Agronomic features							
Resistance to lodging without PGR (1-9) - see note below	7	7	6	7	7	7	0.8
Straw height without PGR (cm)	69	71	69	72	73	70	1.5
Ripening (+/-RGT Planet, -ve = earlier)	0	+2	+1	0	-1	+1	0.9
Resistance to brackling (1-9)	7	8	8	8	8	8	0.9
Disease resistance							
Mildew (1-9)	9	9	9	8	6	9	0.5
Brown rust (1-9)	4	5	5	5	5	4	1.2
Rhynchosporium (1-9)	6	5	5	5	7	[4]	2.8
Breeder/UK contact							
Breeder	Sej	LimEur	SyP	RAGT	SyP	Ack	
UK contact	Sen	Lim	Syn	RAGT	Syn	ElsAck	

This table should be read in conjunction with the AHDB Recommended List of spring barley varieties for 2022.
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
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

Ack = Ackermann Saatzzucht GmbH (sz-ackermann.de)
ElsAck = Elsoms Ackermann Barley
Lim = Limagrain UK (lgseeds.co.uk)
LimEur = Limagrain Europe SA (lgseeds.co.uk)
RAGT = RAGT Seeds (ragt.co.uk)
Sej = Sejet, Denmark (sejet.com)
Sen = Senova (senova.uk.com)
Syn = Syngenta UK Ltd (syngenta.co.uk)
SyP = Syngenta Participations AG (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

Lodging ratings for RL 2022/23

The scales used to calculate the lodging ratings for the RL 2022/23 have been adjusted to include susceptible and resistant fixed points. The aim is to make the ratings more representative of what is seen in the field and improve consistency of the ratings over years. This has contributed to a drop in ratings for some varieties, compared to the 2021/22 RL. However, this does not mean that these varieties have become more susceptible since last year. As for all ratings, statistical significance (LSD) should be taken into account when deciding if varieties have a different susceptibility to the trait.