

Spring barley 2025



MBC malting varieties																						Average LSD (5%)
Fireloxx	Laureate	Skyway	SY Tennyson	LG Diablo	RGT Planet	KWS Saasy	Bounty	Beller	LG Aquarius	Diviner	SY Signet	Olsen	SY Arrow	Firecracker	Plarmigan	KWS Enduris	Hurler	NOS Gambit	Fairing	CB Score		
End-use group	Approved						Provisional						Under test for malting				Feed		Described			
Scope of recommendation	UK	UK	UK	UK	UK	UK	UK	UK	UK	UK	UK	UK	UK	UK	UK	UK	UK	UK	UK	UK Gr.Dis	UK Null-Lox	
Variety status	C	C	C	C	C	C								NEW	NEW	NEW	NEW					
<b>Fungicide-treated grain yield (% treated control)</b>																						
United Kingdom (7.8 t/ha)	102	102	101	101	99	96	94	106	104	103	102	102	102	104	103	103	102	104	104	91	99	2.3
East region (8.0 t/ha)	102	101	101	102	100	96	93	107	104	105	101	103	103	104	102	101	101	104	104	90	98	3.0
West region (7.3 t/ha)	102	103	102	101	98	95	94	106	104	103	102	101	101	[105]	[106]	[104]	[103]	104	105	93	99	4.0
North region (8.1 t/ha)	102	101	101	101	100	96	96	105	104	101	103	102	102	103	103	103	102	104	102	90	100	2.6
<b>Untreated grain yield (% treated control)</b>																						
United Kingdom (7.8 t/ha)	86	89	87	84	84	83	82	87	90	88	86	87	88	87	93	90	91	87	90	79	86	2.5
<b>Disease resistance</b>																						
Mildew (1-9)	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	7	9	0.5
Brown rust (1-9)	4	5	4	4	4	4	5	4	5	4	5	5	4	5	5	5	4	4	5	5	5	0.8
Rhynchosporium (1-9)	6	7	7	5	5	5	6	6	6	5	5	5	5	7	5	6	7	6	6	8	6	1.4
Net blotch (1-9)	7	8	6	5	6	5	5	7	6	6	6	6	7	[8]	[7]	[7]	[5]	7	7	7	8	1.8
<b>Agronomic features</b>																						
Resistance to lodging without PGR (1-9)	7	6	7	[7]	7	7	6	[8]	[7]	[8]	[7]	[7]	[8]	[7]	[7]	[7]	[8]	[8]	[7]	7	7	1.0
Straw length without PGR (cm)	71	70	76	71	72	74	79	70	69	71	67	72	71	74	71	72	76	67	69	71	72	1.5
Ripening (days +/- RGT Planet)	0	+1	+1	+2	+3	0	+2	+2	+2	+1	+1	+2	+2	+1	+1	0	+1	+2	+1	-2	+1	1.0
Resistance to brackling (1-9)	7	7	7	7	7	7	6	7	8	7	7	7	7	7	7	7	8	8	8	7	8	0.4
<b>Main market options</b>																						
MBC malting approval for brewing use	-	F	F	F	F	F	Nt	P	P	P	Nt	P	P	T	T	T	T	-	Nt	-	-	
MBC malting approval for malt distilling use	F	F	-	F	F	Nt	F	-	P	-	P	-	P	T	T	T	T	-	-	-	-	
<b>Grain quality</b>																						
Specific weight (kg/hl)	67.8	67.8	69.9	67.0	68.4	69.3	69.6	66.5	68.2	68.8	68.1	68.0	67.5	67.7	68.8	69.4	67.9	66.9	67.8	69.4	68.4	0.6
Screenings (% through 2.25 mm)	1.1	1.1	0.8	1.2	1.2	1.0	0.8	1.2	0.8	1.2	1.4	1.3	1.5	1.1	1.2	1.3	0.9	1.3	0.8	0.9	1.2	0.3
Screenings (% through 2.5 mm)	3.1	2.7	1.9	2.7	3.0	2.9	1.9	3.4	2.1	3.4	3.8	3.0	3.9	2.9	3.2	2.8	2.4	3.8	1.8	2.2	3.0	0.8
Nitrogen content (%)	[1.46]	1.48	1.51	1.42	1.48	1.50	-	1.46	1.50	1.45	1.46	1.44	1.46	1.39	1.45	1.48	1.47	[1.46]	1.49	-	[1.51]	0.05
<b>Malting quality</b>																						
Hot water extract (l deg/kg)	[314.1]	314.2	314.1	316.2	314.2	313.5	-	314.4	314.0	314.1	314.9	314.9	315.7	315.8	315.9	314.9	315.1	312.7	313.5	-	311.8	2.0
Predicted spirit yield (laa/t)	[433.8]	434.9	-	437.9	436.0	-	-	435.6	436.3	437.4	437.0	[433.2]	436.5	437.8	435.6	436.6	434.5	[433.1]	-	-	-	4.6
<b>Annual treated yield (% control)</b>																						
2020 (7.7 t/ha)	100	101	103	102	100	97	95	-	-	-	102	102	-	-	-	-	-	104	-	90	98	
2021 (8.0 t/ha)	103	102	101	103	99	95	94	107	104	103	103	103	102	-	-	-	-	105	103	91	99	
2022 (7.9 t/ha)	101	101	102	102	98	97	96	107	104	104	102	102	103	103	104	103	102	104	104	92	99	
2023 (7.7 t/ha)	102	102	101	99	99	96	94	104	103	102	102	102	102	104	102	103	102	103	104	91	98	
2024 (7.8 t/ha)	102	103	100	101	100	95	91	106	105	103	103	101	102	105	104	102	102	104	104	93	100	
<b>Breeder/UK contact</b>																						
Breeder	Ack	SyP	NS	SyP	LimEur	RAGT	KWS	NS	Sec	Lim	Sec	SyP	Sej	SyP	Sec	Sec	KWSGmbh	Sec	NS	SyP	Cal	
UK contact	ElsAck	Syn	Agr	Syn	Lim	RAGT	KWS	AgV	Agr	Lim	Agr	Syn	Lim	Syn	Agr	Agr	KWS	Agr	Sen	Syn	ADM	
<b>Status in RL system</b>																						
Year first listed	20	16	21	23	18	15	16	24	24	24	23	23	24	25	25	25	25	23	24	16	22	
RL status	-	-	-	-	-	-	-	P2	P2	P2	-	-	P2	P1	P1	P1	P1	-	P2	-	-	

Varieties no longer listed: NOS Munro.  
 Null-Lox and grain-distilling (Gr.Dis) spring barley varieties are described. Data is provided for information only and does not constitute a recommendation.  
 Null-Lox varieties lack a gene for lipogenase production.  
 Growers are strongly advised to check with their buyer before committing to a malting variety without full MBC approval.

Comparisons of variety performance across regions are not valid.  
 On the 1-9 scales, high figures indicate that a variety shows the character to a high degree (e.g. high resistance).

UK = Recommended for the UK  
 C = Yield control  
 MBC = Malting Barley Committee  
 [ ] = Limited data  
 PGR = Plant growth regulator

F = Full MBC approval in this segment  
 P = Provisional MBC approval in this segment  
 T = Under test for MBC approval in this segment  
 Nt = Not approved by MBC in this segment  
 P1 = First year of listing  
 P2 = Second year of listing

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 Saatztuch GmbH (sz-ackermann.de)  
 ADM = ADM Agriculture Ltd (adm-agri.co.uk)  
 Agr = Agrii (agrii.co.uk)  
 AgV = Agrovista UK Ltd (agrovista.co.uk)

Cal = Carlsberg Research Laboratory  
 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)

Sej = Sejet, Denmark (sejet.com)  
 Sen = Senova (senova.uk.com)  
 Syn = Syngenta UK Ltd (syngenta.co.uk)  
 SyP = Syngenta Participations AG (syngenta.co.uk)