

AHDB Recommended List - Table 7

Winter barley 2016/17

Market options, yield and grain quality

	RECOMMENDED	NEW	C	*	*	*	NEW	NEW	C	*	*	C	*	*	NEW	NEW	C	Average LSD (5%)	Not added to Recommended List					
	Two-row malting						Two-row feed						Six-row feed				Kathmandu	Shadow	Verity					
End-use group	UK	UK	UK	UK	Sp	UK	UK	UK	UK	UK	N	UK	UK	W	E	UK	UK	UK		Two-row feed	Six-row feed			
Scope of recommendation	UK	UK	UK	UK	Sp	UK	UK	UK	UK	UK	N	UK	UK	W	E	UK	UK	UK		Not added to Recommended List				
Fungicide-treated grain yield (% treated controls)																								
United Kingdom (9.4 t/ha)	97	96	95	92	91	89	102	102	102	101	101	99	98	98	98	96	107	106	104	2.9	101	96	103	
East region (9.6 t/ha)	97	97	96	92	92	89	102	102	102	102	101	99	98	97	98	97	108	105	104	3.5	102	97	102	
North region (8.8 t/ha)	98	95	92	91	91	88	102	99	102	101	102	100	101	100	97	98	108	107	105	4.3	102	94	105	
West region (9.5 t/ha)	96	93	95	92	90	88	102	101	101	100	100	97	98	98	96	96	108	106	104	3.7	98	94	103	
Untreated grain yield (% treated control)																								
United Kingdom (9.4 t/ha)	80	79	74	78	75	73	83	89	80	81	80	75	75	82	81	86	78	90	90	83	4.9	85	81	91
Main market options																								
IBD malting approval for brewing use	T	F	F	F	F	F	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Grain quality																								
Specific weight (kg/hl)	69.3	67.3	69.8	69.5	68.5	70.5	67.7	68.9	68.0	69.5	67.6	69.7	66.1	70.8	68.7	67.3	68.1	68.4	67.4	68.1	0.8	66.2	68.7	65.1
Screenings % through 2.25 mm	1.8	3.5	2.6	2.2	1.8	1.6	1.9	1.8	2.8	2.0	1.5	2.6	-	1.6	[1.7]	2.5	-	2.7	3.2	4.9	1.3	3.4	2.3	2.0
Screenings % through 2.5 mm	4.2	9.3	6.6	5.6	4.6	3.6	4.8	4.1	6.9	5.2	4.0	6.5	-	3.8	[4.7]	6.0	-	8.1	9.0	13.4	2.9	8.6	5.9	4.9
Nitrogen content (%)	1.61	1.64	1.69	1.66	1.67	1.68	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.17	-	1.66	-
Status in RL system																								
Year first listed	16	13	12	05	07	99	16	16	15	13	14	14	07	10	13	13	11	16	16	09	-	-	-	

Varieties no longer listed: Daxor, Escadre, KWS Meridian and Saffron

Varieties are in order of highest UK treated yield within end-use groups

Comparisons across regions are not valid.

Sp = Cassata has a specific recommendation for growers wanting BaYMV resistant variety for malting

\$ = hybrid variety

UK = recommended for the UK

E = recommended for the East region

W = recommended for the West region

N = recommended for the North region

F = full IBD approval

* = variety no longer in trials

T = Under test for IBD approval in this segment

P1 = first year of recommendation [] = limited data

P2 = second year of recommendation

C = yield control (for current table). For this table KWS Meridian was also a yield control but is no longer listed

LSD = least significant difference

Average LSD (5%): Varieties that are more than one LSD apart are significantly different at the 5% confidence level.

AHDB Recommended List - Table 6

Winter barley 2016/17

Supplementary data

	RECOMMENDED	NEW	C	*	*	*	NEW	NEW	C	*	*	C	*	*	NEW	NEW	C	Average LSD (5%)			
	Craft	Talisman	Sy Venture	Flagon	Cassata	Pearl	KWS Orwell	Surge	KWS Infinity	KWS Glacier	KWS Tower	Cavaller	Retriever	KWS Cassia	California	Matros	Florentine	Bazooka \$	Belfry \$	Volume \$	Average LSD (5%)
End-use group	Two-row malting						Two-row feed						Six-row feed								
Scope of recommendation	UK	UK	UK	UK	Sp	UK	UK	UK	UK	UK	UK	N	UK	UK	W	E	UK	UK	UK	UK	
Breeder/ UK contact	Syn	Sen	SyP	SyP	Lim	Lim	KWS	Syn	KWS	KWS	KWS	Lim	Sej	KWS	Lim	Sej	Sen	Syn	Syn	SyP	
UK contact	Syn	Sen	Syn	Syn	Lim	Lim	KWS	Syn	KWS	KWS	KWS	Lim	Lim	KWS	Lim	Lim	Sen	Syn	Syn	Syn	
Annual treated yield (% control)																					
2011 treated yield (8.8 t/ha)	-	100	94	89	89	85	-	-	-	100	101	106	101	99	98	100	97	-	-	104	4.2
2012 treated yield (8.7 t/ha)	-	93	95	91	92	91	-	-	103	102	102	96	96	100	100	98	96	-	-	105	3.6
2013 treated yield (8.8 t/ha)	99	96	97	90	93	[87]	104	103	103	103	101	101	103	99	98	95	97	105	105	102	3.5
2014 treated yield (9.8 t/ha)	98	95	95	95	92	91	101	102	100	101	99	95	95	96	99	96	96	107	106	105	3.2
2015 treated yield (10.6 t/ha)	95	96	94	-	90	88	101	100	101	101	101	98	101	96	95	99	95	109	105	106	3.1
Soil type (about 50% of trials are medium soils)																					
Light soils (9.0 t/ha)	97	97	95	93	91	89	103	101	101	100	102	99	100	98	97	98	97	109	106	105	3.6
Heavy soils (10.0 t/ha)	94	95	97	89	91	87	100	101	101	102	100	97	97	97	99	95	96	106	105	104	4.9
Agronomic characteristics																					
Lodging % without PGR	2	5	1	18	1	3	0	5	3	5	3	11	7	2	0	3	0	1	0	4	-
Lodging % with PGR	0	4	1	9	0	2	0	1	1	3	0	3	2	0	0	2	0	0	0	1	-
Malting quality																					
Hot water extract (l deg/kg)	310.5	308.2	308.3	305.6	305.2	304.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.3
Status in RL system																					
Year first listed	16	13	12	05	07	99	16	16	15	13	14	14	07	10	13	13	11	16	16	09	
RL Status	P1	-	-	*	*	*	P1	P1	P2	-	-	*	*	-	-	*	*	P1	P1	-	

Not added to Recommended List		
Kathmandu	Shadow	Verity
Two-row feed	Six-row feed	
Not added to Recommended List		
Sej	Syn	Bre
Sen	Syn	Sen
-	-	-
102	99	103
100	96	104
101	94	102
-	-	-
102	96	104
98	95	100
-	-	-
4	2	0
0	7	0
-	310.4	-
-	-	-
-	-	-

All yields on this table are taken from treated trials receiving a full fungicide and PGR programme

[] = limited data

C = yield control (for current table). For this table KWS Meridian was also a yield control but is no longer listed

LSD = least significant difference

Average LSD (5%): Varieties that are more than one LSD apart are significantly different at the 5% confidence level.

Key to Breeder and UK contact codes:

Bre = Saatzucht Josef Breun, Germany
 KWS = KWS UK (www.kws-uk.com)
 Lim = Limagrain UK (www.limagrain.co.uk)

Sej = Sejet, Denmark
 Sen = Senova (www.senova.uk.com)
 Syn = Syngenta UK Ltd

SyP = Syngenta Participations AG

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