

# AHDB Recommended List - Table 8

## Spring barley 2016

### Market options, yield and grain quality

	RECOMMENDED		NEW	NEW	NEW				C	C	NEW	C		NEW		*	*	*				
	AHDB		RGT Planet	Laureate	KWS Irina	KWS Sassy	Olympus	Origin	Octavia	Sienna	Odyssey	Propino	Fairing	Concerto	Belgravia	Ovation	Scholar	Hacker	Kelim	Waggon	Westminster	Average LSD (5%)
End-use group	Malting varieties													Feed varieties								
Scope of recommendation	UK	UK	UK	UK	UK	UK	UK	UK	UK	UK	UK	Sp	UK	N	UK	UK	W	UK	UK	UK		
<b>Fungicide-treated grain yield (% treated control)</b>																						
United Kingdom (7.4 t/ha)	108	107	106	105	104	104	103	103	102	101	98	96	94	107	106	102	100	99	93		2.4	
East region (7.5 t/ha)	108	108	105	104	104	105	105	101	103	100	98	96	-	108	106	100	97	97	[93]		3.1	
West region (7.7 t/ha)	108	105	106	102	105	104	101	103	101	101	98	97	-	107	106	103	100	99	94		3.0	
North region (7.0 t/ha)	107	109	107	108	105	103	105	103	101	102	97	95	93	108	107	101	100	100	93		2.2	
<b>Main market options</b>																						
IBD malting approval for brewing use	P	T	F	T	-	T	P	P	F	F	-	F	N	-	-	-	-	-	-	-		
IBD malting approval for malt distilling use	N	T	N	T	P	T	P	P	F	N	-	F	F	-	-	-	-	-	-	-		
IBD malting approval for grain distilling use	N	-	N	-	P	-	N	N	N	N	T	N	F	-	-	-	-	-	-	-		
<b>Grain quality</b>																						
Specific weight (kg/hl)	67.8	66.4	65.9	67.9	66.8	66.8	66.7	70.7	68.1	68.0	68.3	68.8	67.8	66.5	68.3	69.7	67.5	67.4	70.0		0.8	
Screenings % through 2.25 mm	1.5	1.5	1.7	1.3	1.8	1.5	1.4	1.5	1.4	1.1	1.3	1.3	1.7	1.5	2.0	1.6	[2.7]	-	[1.2]		0.4	
Screenings % through 2.5 mm	3.8	3.0	4.2	2.8	4.8	4.1	3.2	3.2	3.5	2.3	2.9	2.8	4.1	3.9	5.8	3.4	[7.2]	-	[3.3]		1.1	
Nitrogen content (%)	1.38	1.41	1.41	1.42	1.46	1.36	1.37	1.41	1.42	1.47	1.49	1.44	[1.52]	1.38	[1.40]	1.46	[1.49]	-	-		0.06	
<b>Status in RL system</b>																						
Year first listed	15	16	14	16	15	16	15	15	12	10	16	09	08	16	15	14	13	05	05			

**Varieties no longer listed:** Deveron, Garner, Moonshine, NFC Tipple, Optic, Quench, Rhyncostar, Sanette, Shada, Tesla and Vaul

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

Comparisons of variety performance across regions are not valid

Growers are strongly advised to check with their buyer before committing to a malting variety without full IBD approval

C = yield control (for current table). For this table NFC Tipple and Sanette were also yield controls but are no longer listed

UK = recommended for the UK

N = recommended for the North region

W = recommended for the West region

F = full IBD approval

N = not approved by IBD for this segment

P = provisional IBD approval

T = under test for IBD approval in this segment

Sp = Fairing is under test for the production of malt for grain distilling

[ ] = limited data

C = yield control for current table

\* = variety no longer in trials

LSD = least significant difference

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

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### Yield, agronomy and disease resistance

	RECOMMENDED	NEW	NEW	NEW					C	C	NEW	C		NEW			*	*	*	Average LSD (5%)
	AHDB																			
	RGT Planet	Laureate	KWS Iriana	KWS Sassy	Olympus	Origin	Octavia	Sienna	Odyssey	Propino	Fairing	Concerto	Belgravia	Ovation	Scholar	Hacker	Kelim	Waggon	Westminster	
End-use group	Malting varieties													Feed varieties						
Scope of recommendation	UK	UK	UK	UK	UK	UK	UK	UK	UK	UK	Sp	UK	N	UK	UK	W	UK	UK	UK	
Fungicide-treated grain yield as % treated control																				
United Kingdom (7.4 t/ha)	108	107	106	105	104	104	103	103	102	101	98	96	94	107	106	102	100	99	93	2.4
East region (7.5 t/ha)	108	108	105	104	104	105	105	101	103	100	98	96	-	108	106	100	97	97	[93]	3.1
West region (7.7 t/ha)	108	105	106	102	105	104	101	103	101	101	98	97	-	107	106	103	100	99	94	3.0
North region (7.0 t/ha)	107	109	107	108	105	103	105	103	101	102	97	95	93	108	107	101	100	100	93	2.2
Untreated grain yield (as % treated control)																				
United Kingdom (7.4 t/ha)	92	94	90	90	88	88	87	89	85	85	85	81	80	87	90	88	86	84	81	2.8
Agronomic features																				
Resistance to lodging (no PGR)	7	7	8	6	7	7	6	7	6	7	7	6	-	7	7	8	7	7	7	0.5
Straw height (cm)	74	73	70	79	74	73	73	78	75	76	74	79	78	73	69	75	79	75	82	1.6
Ripening (+/- Concerto, -ve = earlier)	-1	0	-1	0	0	0	-1	0	0	-1	-2	0	-1	0	0	-1	0	-2	-1	0.7
Resistance to brackling	8	8	9	6	6	6	6	8	8	8	7	8	7	7	9	9	9	8	7	0.7
Disease resistance																				
Mildew	9	8	9	9	9	8	9	9	9	6	8	8	[8]	8	9	[9]	8	[9]	[9]	0.8
Yellow rust	[4]	[7]	[6]	[7]	[8]	[9]	[7]	[6]	8	4	[9]	8	7	[5]	[8]	[5]	5	7	8	2.0
Brown rust	4	[6]	5	[5]	5	[5]	5	5	4	5	[4]	6	5	[4]	5	5	4	5	6	1.3
Rhynchosporium	5	6	5	5	6	6	6	6	6	8	4	5	7	5	6	6	6	3	7	1.1
Ramularia	8	[7]	7	[6]	6	[7]	7	6	6	6	[6]	6	6	[6]	8	6	8	8	7	2.4

On the 1-9 scales high figures indicate that a variety shows the character to a high degree (eg high resistance)  
 Comparisons of variety performance across regions are not valid  
 C = yield control (for current table). For this table NFC Tipple and Sanette were also yield controls but are 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

UK = recommended for the UK  
 N = recommended for the North region  
 W = recommended for the West region  
 Sp = Fairing is under test for the production of malt for grain distilling  
 \* = variety no longer in trial  
 [ ] = limited data

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## Spring barley 2016

Supplementary data																				
	RECOMMENDED		NEW	NEW	NEW			C	C	NEW	C		NEW			*	*	*	Average LSD (5%)	
	RGT Planet	Laureate	KWS Irina	KWS Sassy	Olympus	Origin	Octavia	Sienna	Odyssey	Propino	Fairing	Concerto	Belgravia	Ovation	Scholar	Hacker	Kelim	Waggon	Westminster	
End-use group	Malting varieties												Feed varieties							
Scope of recommendation	UK	UK	UK	UK	UK	UK	UK	UK	UK	UK	Sp	UK	N	UK	UK	W	UK	UK	UK	
Breeder/ UK contact																				
Breeder	RAGT	Syn	KWS	KWS	LimEur	LimEur	LimEur	LimEur	Lim	SyP	Syn	Lim	Lim	LimEur	Syn	Sec	SyP	SyP	Lim	
UK contact	RAGT	Syn	KWS	KWS	Lim	Lim	Lim	Lim	Lim	Syn	Syn	Lim	Lim	Lim	Syn	Agr	Syn	Syn	Lim	
Annual treated yield (% control)																				
2011 treated (7.3 t/ha)	-	-	105	-	-	-	-	-	106	99	-	95	94	-	-	101	104	99	95	3.1
2012 treated (6.6 t/ha)	110	-	108	-	101	-	102	103	101	100	-	98	91	-	104	104	99	99	94	3.2
2013 treated (7.0 t/ha)	107	107	106	106	104	107	104	103	100	105	97	97	[97]	107	[109]	103	102	101	[92]	3.6
2014 treated (7.9 t/ha)	108	105	108	103	107	103	102	104	100	101	100	95	95	107	107	102	96	100	91	2.7
2015 treated (8.4 t/ha)	107	108	105	105	105	103	104	102	103	100	98	97	93	108	105	102	100	98	95	2.3
Malting quality																				
Hot water extract (l deg/kg)	315.2	315.7	315.0	315.9	312.6	315.5	316.6	316.1	314.0	313.9	311.5	316.2	[311.3]	-	-	-	-	-	-	2.0
Status in RL system																				
Year first listed	15	16	14	16	15	16	15	15	12	10	16	09	08	16	15	14	13	05	05	
RL status	P2	P1	-	P1	P2	P1	P2	P2	-	-	P1	-	-	P1	P2	-	*	*	*	

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

C = yield control (for current table). For this table NFC Tipple and Sanette were also yield controls but are no longer listed

Sp = Fairing is under test for the production of malt for grain distilling

UK = recommended for the UK

N = recommended for the North region

W = recommended for the West region

[ ] = limited data

\* = variety no longer in trial

P1 = first year of recommendation

P2 = second year of recommendation

Agr = Agrii ([www.agrii.co.uk](http://www.agrii.co.uk))

KWS = KWS UK ([www.kws-uk.com](http://www.kws-uk.com))

Lim = Limagrain UK ([www.limagrain.co.uk](http://www.limagrain.co.uk))

LimEur = Limagrain Europe SA

RAGT = RAGT Seeds ([www.ragt.co.uk](http://www.ragt.co.uk))

Syn = Syngenta UK Ltd ([www.syngenta.co.uk](http://www.syngenta.co.uk))

SyP = Syngenta Participations AG ([www.syngenta.co.uk](http://www.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