

## AHDB Recommended List (Table 9)

### Spring barley 2017

#### Market options, yield and grain quality

	RECOMMENDED																		NEW			NEW			NEW			C			C			C		
	RGT Planet	Laureate	KWS Irina	Chanson ~	LG Opera	Dioptric	KWS Sassy	Olympus	Sienna	Octavia	Propino	Odyssey	Fairing	Concerto	Belgravia	Ovation	Scholar	Hacker	Average LSD (5%)																	
End-use group	Malting varieties																		Feed varieties																	
Scope of recommendation	UK	UK	UK	UK	UK	Nr	UK	UK	UK	UK	UK	UK	Sp	UK	Nr	UK	UK	W																		
Fungicide-treated grain yield (% treated controls)																																				
United Kingdom (7.6 t/ha)	105	105	104	104	104	104	103	102	101	100	100	98	97	94	93	104	104	100	2.8																	
East region (7.9 t/ha)	106	107	103	105	105	102	103	101	99	102	98	100	97	95	-	106	103	99	3.9																	
West region (7.8 t/ha)	106	103	104	101	102	102	100	102	101	98	100	98	98	95	-	102	103	102	4.1																	
North region (7.2 t/ha)	105	105	105	106	105	106	105	103	102	101	101	98	96	93	91	104	105	100	3.5																	
Main market options																																				
IBD malting approval for brewing use	F	P	F	T	T	-	P	-	P	F	F	F	-	F	N	-	-	-																		
IBD malting approval for malt distilling use	N	P	N	-	T	-	P	P	P	F	N	F	-	F	F	-	-	-																		
IBD malting approval for grain distilling use	N	-	N	-	-	T	-	P	N	-	N	N	P	N	F	-	-	-																		
Grain quality																																				
Specific weight (kg/hl)	67.6	66.1	65.8	65.4	66.2	68.2	67.8	66.4	70.4	66.2	68.0	68.0	68.2	68.8	68.2	66.1	68.2	69.7	0.7																	
Screenings (% through 2.25 mm)	1.6	1.6	2.0	1.3	2.6	3.0	1.2	2.3	1.8	1.7	1.1	1.6	1.0	1.4	2.1	1.6	2.1	1.7	0.4																	
Screenings (% through 2.5 mm)	4.2	3.7	4.8	3.4	6.9	7.6	2.7	5.7	4.1	4.1	2.4	4.1	2.6	3.2	5.1	4.3	6.4	4.0	1.0																	
Nitrogen content (%)	1.39	1.41	1.42	1.37	1.35	1.37	1.42	1.47	1.42	1.38	1.48	1.42	1.50	1.45	-	1.38	[1.41]	1.47	0.07																	
Status in RL system																																				
Year first listed	15	16	14	17	17	17	16	15	15	15	10	12	16	09	08	16	15	14																		

Not added to Recommended List

Acorn
Malting variety
-
101
103
102
100
T
T
-
67.6
1.6
3.9
1.39
-

Varieties no longer listed: Kelim, Origin, Waggon and Westminster.

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

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

Comparisons of variety performance across regions are not valid.

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

UK = recommended for the UK

Nr = recommended for the North region

W = recommended for the West region

Sp = Fairing is suitable for the production of malt for grain distilling

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

[ ] = limited data

~ Variety lacking a gene for lipoxygenase production

LSD = least significant difference

Average LSD (5%): Varieties that are more than one LSD apart are significantly different at the 95% confidence level.

# AHDB Recommended List (Table 8)

## Spring barley 2017

### Yield, agronomy and disease resistance



	RECOMMENDED	C	NEW	NEW	NEW																	
	RGT Planet	Laureate	KWS Irina	Chanson ~	LG Opera	Dioptic	KWS Sassy	Olympus	Sienna	Octavia	Propino	Odyssey	Fairing	Concerto	Belgravia	Ovation	Scholar	Hacker	Average LSD (5%)			
<b>End-use group</b>	<b>Malting varieties</b>																		<b>Feed varieties</b>			
Scope of recommendation	UK	UK	UK	UK	UK	Nr	UK	UK	UK	UK	UK	UK	Sp	UK	Nr	UK	UK	W				
<b>Fungicide-treated grain yield (% treated controls)</b>																						
United Kingdom (7.6 t/ha)	105	105	104	104	104	104	103	102	101	100	100	98	97	94	93	104	104	100	2.8			
East region (7.9 t/ha)	106	107	103	105	105	102	103	101	99	102	98	100	97	95	-	106	103	99	3.9			
West region (7.8 t/ha)	106	103	104	101	102	102	100	102	101	98	100	98	98	95	-	102	103	102	4.1			
North region (7.2 t/ha)	105	105	105	106	105	106	105	103	102	101	101	98	96	93	91	104	105	100	3.5			
<b>Untreated grain yield (% treated control)</b>																						
United Kingdom (7.6 t/ha)	91	92	88	88	88	90	89	86	88	85	84	82	84	80	79	84	89	87	3.0			
<b>Agronomic features</b>																						
Resistance to lodging (no PGR) (1-9)	7	7	8	6	6	7	6	7	7	6	7	6	7	6	7	7	7	7	0.4			
Straw height (cm)	75	73	71	76	72	72	80	75	79	77	77	75	74	79	80	73	69	75	2.7			
Ripening (+/-Concerto, -ve = earlier)	-1	0	-1	-1	-1	0	0	0	0	0	-1	0	-2	0	0	0	0	-1	1.0			
Resistance to brackling (1-9)	8	8	9	7	8	8	6	6	7	6	8	8	7	8	7	7	9	8	0.7			
<b>Disease resistance</b>																						
Mildew (1-9)	9	[8]	9	[9]	[9]	[9]	[9]	9	9	9	6	9	[8]	8	[8]	[8]	9	[9]	0.7			
Yellow rust (1-9)	[4]	[6]	[6]	[7]	[6]	[6]	[6]	[8]	[7]	[8]	4	8	[9]	8	8	[6]	[9]	[5]	2.6			
Brown rust (1-9)	4	5	4	5	5	5	5	5	5	5	5	3	[3]	5	6	4	5	5	1.3			
Rhynchosporium (1-9)	6	6	5	5	5	6	5	6	6	6	6	5	8	4	5	6	6	6	1.0			
Ramularia (1-9)	8	7	7	6	6	8	6	7	8	7	6	6	7	6	6	5	8	7	2.3			

Not added to Recommended List

Acorn	Malting variety
	-
	101
	103
	102
	100
	89
	7
	79
	-1
	8
	9
	7
	5

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, Sanette 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 95% confidence level.

UK = recommended for the UK

Nr = recommended for the North region

W = recommended for the West region

[ ] = limited data

~ Variety lacking a gene for lipoxygenase production

Sp = Fairing is suitable for the production of malt for grain distilling

# AHDB Recommended List (Table 8)

## Spring barley 2017

### SUPPLEMENTARY DATA

	RECOMMENDED		C	NEW	NEW	NEW															Average LSD (5%)	
	RGT Planet	Laureate	KWS Irina	Chanson ~	LG Opera	Dioptic	KWS Sassy	Olympus	Sienna	Octavia	Propino	Odyssey	Fairing	Concerto	Belgravia	Ovation	Scholar	Hacker				
<b>End-use group</b>	Malting varieties																		Feed varieties			
Scope of recommendation	UK	UK	UK	UK	UK	Nr	UK	UK	UK	UK	UK	UK	Sp	UK	Nr	UK	UK	W				
<b>Breeder/ UK contact</b>																						
Breeder	RAGT	SyP	KWS		LimEur	SyP	KWS	LimEur	LimEur	LimEur	SyP	Lim	SyP	Lim	Lim	LimEur	SyP	Sec				
UK contact	RAGT	Syn	KWS	SU	Lim	Syn	KWS	Lim	Lim	Lim	Syn	Lim	Syn	Lim	Lim	Lim	Syn	Agr				
<b>Annual treated yield (% control)</b>																						
2012 treated yield (6.9 t/ha)	107	-	105	-	-	-	-	100	100	100	98	98	-	95	92	-	102	101	-			
2013 treated yield (7.2 t/ha)	106	105	104	-	-	-	103	102	101	101	103	99	96	95	95	105	106	101	-			
2014 treated yield (8.1 t/ha)	106	[104]	105	104	104	104	102	104	101	101	99	98	98	93	[94]	105	105	100	-			
2015 treated yield (8.5 t/ha)	105	106	103	105	105	103	103	103	100	102	98	101	96	95	94	106	104	99	-			
2016 treated yield (7.5 t/ha)	106	105	104	102	103	103	103	101	102	97	100	98	99	95	-	102	103	101	-			
<b>Malting quality</b>																						
Hot water extract (1 deg/kg)	314.7	315.5	314.7	314.3	316.2	314.6	315.9	312.3	315.6	316.1	313.2	314.0	311.0	316.0	-	312.9	310.9	314.3	2.0			
<b>Status in RL system</b>																						
Year first listed	15	16	14	17	17	17	16	15	15	15	10	12	16	09	08	16	15	14				
RL Status	-	P2	-	P1	P1	P1	P2	-	-	-	-	-	P2	-	-	P2	-	-				

Not added to Recommended List  
Not added

Acorn
Malting variety
-
SU
-
102
101
102
316.1
-
-

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

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

Sp = Fairing is suitable for the production of malt for grain distilling

~ Variety lacking a gene for lipoxygenase production

UK = recommended for the UK

Nr = recommended for the North region

W = recommended for the West region

[ ] = limited data

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))

Sec = Secobra, France ([www.secobra.com](http://www.secobra.com))

SU = Saaten Union UK ([www.saaten-union.co.uk](http://www.saaten-union.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 95% confidence level.