

# HGCA Recommended List<sup>®</sup> spring barley 2013

## MARKET OPTIONS AND GRAIN QUALITY



	New		C		New		C		C		C		C		New		New		New		New		New		Average LSD (5%)
	Sanette	Odyssey	Chronicle	Propino	Overture	Glassel	Quench	Shuffle	Concerto	Moonshine	NFC Tipple	Belgravia	Optic	Tesla	Crooner	KWS Orphelia	Kelim	Natasia	Montoya	Rhyncostar	Garner	Waggon	Westminster		
<b>End-use group</b>	<b>Malting varieties</b>													<b>Feed varieties</b>											
Scope of recommendation	UK	UK	UK	UK	UK	UK	UK	UK	UK	NE	UK	NE	UK	UK	UK	UK	UK	UK	UK	UK	UK	UK	UK	UK	
UK treated yield as % control (7.2 t/ha)	109	106	104	104	103	103	103	102	100	100	99	98	94	106	106	106	105	105	104	104	103	103	96	2.5	
<b>Main market options</b>																									
IBD malting approval for brewing use	T	P	P	F	P	N	F	P	F	N	F	N	F	-	-	-	-	-	-	-	-	-	-	-	
IBD malting approval for distilling use	N	P	P	N	P	T	N	F	F	P	N	F	F	-	-	-	-	-	-	-	-	-	-	-	
IBD malting approval for grain distilling use	N	N	N	N	N	N	N	N	N	N	N	F	N	-	-	-	-	-	-	-	-	-	-	-	
Overseas malting	-	-	-	Y	-	-	Y	-	[Y]	-	Y	-	Y	-	-	-	-	-	-	-	-	-	-	-	
<b>Grain quality</b>																									
Specific weight (kg/hl)	66.7	67.7	67.4	67.3	67.9	66.7	67.7	66.8	68.4	67.2	68.3	68.3	70.1	66.1	67.3	66.1	67.7	66.6	67.3	66.2	66.6	67.6	70.0	0.9	
Sieving % through 2.25 mm	[2.7]	1.3	1.9	1.2	1.9	[2.7]	1.9	1.4	1.4	1.3	1.8	1.6	1.6	[2.4]	[4.2]	[1.9]	[2.8]	[1.9]	[1.1]	[3.0]	[1.5]	-	1.4	0.5	
Sieving % through 2.5 mm	[5.2]	3.4	3.9	2.4	3.7	[5.8]	4.5	2.9	2.7	3.2	3.8	3.7	4.5	[4.8]	[9.0]	[4.6]	[7.0]	[3.6]	[2.3]	[6.7]	4.1	-	3.0	1.1	
Nitrogen content (%)	1.44	1.44	1.44	1.52	1.50	1.51	1.55	1.53	1.50	1.46	1.48	1.55	1.52	1.49	[1.45]	1.46	[1.53]	1.50	1.46	[1.39]	-	-	-	0.06	
<b>Status in RL system</b>																									
Year first listed	13	12	12	10	12	13	07	11	09	11	05	08	95	13	13	13	13	13	13	13	10	05	05		
RL status	P1	P2	P2	-	P2	P1	-	-	-	-	-	-	-	P1	P1	P1	P1	P1	P1	P1	-	-	-		

**Varieties no longer listed:** Oxbridge and Summit

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

C = yield control

F = full IBD approval

Y = suited to that market

UK = recommended for the whole of the UK

[ ] = limited data

P = provisional IBD approval

[Y] = may be suited to that market

NE = recommended for the North East region

P1, P2 = first and second year of recommendation

T = under test

N = not suited to that market

Average LSD (least significant difference) 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



	New		C		New		C		C		C		C		New		New		New		New		New		Average LSD (5%)
	Sanette	Odyssey	Chronicle	Propino	Overture	Glassel	Quench	Shuffle	Concerto	Moonshine	NFC Tipple	Belgravia	Optic	Tesla	Crooner	KWS Orphelia	Kelim	Natasia	Montoya	Rhyncostar	Garner	Waggon	Westminster		
End-use group	Malting varieties													Feed varieties											
Scope of recommendation	UK	UK	UK	UK	UK	UK	UK	UK	UK	NE	UK	NE	UK	UK	UK	UK	UK	UK	UK	UK	UK	UK	UK	UK	
<b>Fungicide treated grain yield as % treated control</b>																									
UK with fungicide (7.2 t/ha)	108.6	105.7	103.8	103.8	103.2	102.9	102.8	101.9	100.2	99.8	99.0	98.3	94.2	106.4	105.8	105.7	104.6	104.6	104.0	104.0	103.4	102.9	96.4	2.5	
East region with fungicide (7.2 t/ha)	[109]	107	101	103	104	[102]	104	102	102	[101]	98	100	93	[106]	[102]	[107]	[106]	[104]	[106]	[103]	104	100	96	3.2	
West region with fungicide (7.4 t/ha)	[109]	106	105	104	104	[103]	103	102	100	100	99	100	94	[108]	[107]	[106]	[106]	[105]	[104]	[101]	104	103	98	3.2	
North region with fungicide (7.1 t/ha)	108	106	105	104	103	103	102	102	99	100	100	97	95	106	107	105	103	106	103	106	103	104	96	2.3	
<b>Untreated grain yield as % treated control in comparable trials</b>																									
UK without fungicide	95	92	91	92	94	92	90	90	89	87	86	88	78	95	95	94	93	95	90	91	92	91	87	3.2	
<b>Agronomic features</b>																									
Resistance to lodging	[7]	[5]	[7]	8	[7]	[7]	7	8	6	7	7	7	7	[6]	[7]	[7]	[8]	[7]	[6]	[6]	8	8	6	1.5	
Straw height (cm)	71	72	73	75	74	71	71	76	77	71	68	76	74	74	65	70	77	71	69	69	73	73	81	1.6	
Ripening (+/- Optic, -ve = earlier)	+2	+2	+1	+1	+2	+1	+1	+1	+1	0	0	+1	0	+1	+1	0	+2	0	+1	0	0	-1	+1	0.7	
Resistance to brackling	8	8	8	8	7	9	8	8	7	7	8	8	5	6	9	8	9	6	7	9	8	8	7	1.2	
<b>Disease resistance</b>																									
Mildew	9	9	8	8	8	9	9	9	8	8	7	9	5	9	8	8	9	9	9	9	9	9	9	0.9	
Yellow rust	7	7	7	4	7	8	5	6	7	7	5	7	8	6	8	8	4	4	4	5	7	6	7	1.7	
Brown rust	4	4	5	5	6	5	4	4	6	4	6	6	7	5	5	5	5	5	4	5	5	5	6	2.6	
Rhynchosporium	6	7	6	7	6	4	7	6	4	4	4	7	3	7	5	7	6	6	6	7	7	3	7	1.5	
Ramularia	8	6	7	6	6	5	5	6	6	5	6	7	5	7	6	5	7	7	6	3	5	7	7	1.7	

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

UK = recommended for the whole of the UK

[ ] = limited data

NE = Specific recommendation for the North East region

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

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## SUPPLEMENTARY DATA



	New		C		New		C		C		C		C		New		New		New		New		New		Average LSD (5%)	
	Sanette	Odyssey	Chronicle	Propino	Overture	Glassel	Quench	Shuffle	Concerto	Moonshine	NFC Tipple	Belgravia	Optic	Tesla	Crooner	KWS Orphelia	Kelim	Natasia	Montoya	Rhyncostar	Garner	Waggon	Westminster			
End-use group	Malting varieties													Feed varieties												
Scope of recommendation	UK	UK	UK	UK	UK	UK	UK	UK	UK	NE	UK	NE	UK	UK	UK	UK	UK	UK	UK	UK	UK	UK	UK	UK		
<b>Breeder/ UK contact</b>																										
Breeder	SCP	Lim	Lim	SCP	Lim	SCP	SCP	SCP	Lim	RAGT	SCP	Lim	SCP	Lim	Sec	KWS	SCP	Sej	SU	Sec	SCP	SCP	Lim			
UK contact	SS	Lim	Lim	SS	Lim	SS	SS	SS	Lim	RAGT	SS	Lim	SS	Lim	Agr	KWS	SS	KWS	SU	Agr	SS	SS	Lim			
<b>Grain yield as % treated control</b>																										
2008 treated (7.6 t/ha)	-	-	-	103	-	-	102	102	103	98	99	101	94	-	-	-	-	-	-	-	102	106	100	3.2		
2009 treated (7.7 t/ha)	-	103	103	106	103	-	103	104	99	99	99	97	94	-	-	-	-	-	-	-	104	102	95	3.2		
2010 treated (7.1 t/ha)	107	104	102	103	102	103	103	101	100	100	100	100	94	105	106	106	103	101	104	104	102	102	93	3.4		
2011 treated (7.0 t/ha)	109	110	106	103	103	103	104	105	99	99	99	[98]	96	107	105	105	107	106	104	106	105	102	98	3.1		
2012 treated (6.4 t/ha)	111	104	103	105	104	103	102	98	101	101	98	95	94	107	107	106	103	106	104	103	103	103	97	2.9		
<b>Malting quality</b>																										
Hot water extract (l deg/kg)	314.7	313.9	315.0	314.0	316.1	313.1	313.0	312.9	315.8	313.3	312.3	312.1	312.4	314.2	311.4	313.0	311.4	311.8	314.5	313.6	-	-	-	1.5		

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

[ ] = limited data

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

### Key to Breeder and UK contact codes

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))

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

Sec = Secobra, France

Sej = Sejet, Denmark

SU = Saaten Union UK ([www.saaten-union.co.uk](http://www.saaten-union.co.uk))

SCP = Syngenta Crop Protection ([www.syngenta.co.uk](http://www.syngenta.co.uk))

SS = Syngenta Seeds ([www.syngenta.co.uk](http://www.syngenta.co.uk))

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