

HGCA Recommended List[®] spring barley 2011

MARKET OPTIONS AND GRAIN QUALITY



	P2		C	P1		P1		C	* C		C	P1		P1	P2		*	C		Average LSD (5%)
	Propino	Quench	Shuffle	Concerto	Moonshine	NFC-Tipple	Forensic	Belgravia	Oxbridge	Optic	Sumit	Panther	Garner	Waggon	Scout	Publican	Westminster			
End-use group	Malting varieties										Feed varieties									
Scope of recommendation	UK	UK	UK	UK	NE	UK	UK	UK	UK	UK	UK	East	UK	UK	NE	UK	UK			
UK treated yield as % control (7.2 t/ha)	107	106	105	104	103	103	102	102	97	96	107	107	107	106	104	102	99			2.7
Main market options																				
IBD malting approval for brewing use	F	F	P	F	P	F	-	-	-	F	-	-	-	-	-	-	-			
IBD malting approval for distilling use	-	-	P	F	P	-	-	F	F	F	-	-	-	-	-	-	-			
IBD malting approval for grain distilling use	-	-	-	-	-	-	F	F	-	-	-	-	-	-	-	-	-			
Overseas malting	[Y]	Y	-	[Y]	-	Y	-	-	-	Y	-	-	-	-	-	-	-			
Year first listed	10	07	11	09	11	05	09	08	05	95	11	11	10	05	08	07	05			
Grain quality																				
Specific weight (kg/hl)	66.9	67.7	66.9	68.0	67.1	68.2	66.9	68.3	69.4	69.7	67.1	68.2	66.1	67.4	68.3	68.5	69.8			0.7
Sieving % through 2.25 mm	1.1	1.5	[1.1]	1.1	[1.0]	1.4	1.3	1.3	1.1	1.5	[1.7]	[1.3]	1.3	-	[1.3]	1.1	1.2			0.4
Sieving % through 2.5 mm	3.3	4.9	[3.6]	3.4	[3.5]	4.1	4.1	4.3	3.2	5.3	[5.2]	[4.7]	4.8	-	[4.2]	3.3	3.6			1.1
Nitrogen content (%)	1.55	1.55	1.55	1.53	1.50	1.50	1.52	1.58	1.61	1.56	-	1.47	-	-	-	1.57	-			0.05

P1, P2 = first and second year of recommendation

C = yield control

* = variety no longer in trials

[] = limited data

Y = suited to that market

[Y] = may be suited to that market

[T] = Under test for IBD approval in this segment

F = Full IBD approval

P = Provisional IBD approval

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

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

UK = recommended for the whole of the UK

East = Specific recommendation for the East region

NE = Specific recommendation for the North East region

Varieties no longer listed: Decanter, Doyen, Jolika and Sweeney

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YIELD, AGRONOMY AND DISEASE RESISTANCE



	P2		C	P1		P1		C	* C		C	P1		P1	P2		*	C	Average LSD (5%)
	Propino	Quench	Shuffle	Concerto	Moonshine	NFC-Tipple	Forensic	Belgravia	Oxbridge	Optic	Sumit	Panther	Garner	Waggon	Scout	Publican	Westminster		
End-use group	Malting varieties										Feed varieties								
Scope of recommendation	UK	UK	UK	UK	NE	UK	UK	UK	UK	UK	UK	East	UK	UK	NE	UK	UK		
Fungicide treated grain yield as % treated control																			
UK with fungicide (7.2 t/ha)	107	106	105	104	103	103	102	102	97	96	107	107	107	106	104	102	99		2.7
North East region with fungicide (7.2 t/ha)	107	105	106	103	102	103	103	101	96	97	105	108	106	107	106	102	99		3.3
East region with fungicide (7.1 t/ha)	108	107	[106]	107	[105]	103	101	104	96	94	[109]	[106]	107	104	[103]	102	100		4.4
West region with fungicide (7.8 t/ha)	[107]	106	[104]	101	[102]	102	103	102	99	96	[107]	[105]	[106]	104	-	101	98		4.4
North West region with fungicide (6.5 t/ha)	[108]	105	-	[107]	-	102	[101]	102	95	97	-	-	[109]	107	[98]	104	102		6.5
Untreated grain yield as % treated control in comparable trials																			
UK without fungicide	97	94	95	94	91	92	86	94	87	81	99	98	96	94	93	94	92		3.5
Agronomic features																			
Resistance to lodging	8	8	[9]	6	[6]	7	6	7	8	7	[8]	[5]	8	8	6	7	6		1.2
Straw height (cm)	76	70	77	77	71	68	71	76	73	75	69	69	73	73	72	74	82		2.3
Ripening (+/- Optic, -ve = earlier)	0	0	+1	+1	-1	0	0	+1	0	0	+1	+0	0	-1	0	1	1		0.9
Resistance to brackling	8	8	9	7	7	8	8	7	8	5	9	8	8	8	7	7	6		1.2
Disease resistance																			
Mildew	8	9	8	8	8	8	4	9	7	5	8	8	9	9	8	9	9		0.8
Yellow rust	3	5	6	7	7	4	5	8	5	8	6	5	7	7	2	4	7		2.4
Brown rust	[5]	4	[3]	7	[5]	7	6	7	6	7	[4]	[9]	[6]	6	6	5	6		-
<i>Rhynchosporium</i>	7	8	6	4	4	4	5	7	7	4	7	4	7	3	4	8	8		1.6
Barley yellow dwarf virus (BYDV)	No ratings available																		

P1, P2 = first and second year of recommendation C = yield control

* = variety no longer in trials

[] = limited data

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

On the 1-9 scales high figures indicate that a variety shows the character to a high degree (e.g. high resistance)

Comparisons of variety performance across regions are not valid

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SUPPLEMENTARY DATA



	P2	C	P1		P1	C			* C	C	P1	P1	P2		*		C	Average LSD (5%)
	Propino	Quench	Shuffle	Concerto	Moonshine	NFC-Tipple	Forensic	Belgravia	Oxbridge	Optic	Sumit	Panther	Garner	Waggon	Scout	Publican	Westminster	
End-use group	Malting varieties										Feed varieties							
Scope of recommendation	UK	UK	UK	UK	NE	UK	UK	UK	UK	UK	UK	East	UK	UK	NE	UK	UK	
Breeder/ UK contact																		
Breeder	Syn	Syn	Syn	Lim	RAGT	Syn	Syn	Lim	Lim	Syn	Syn	Sejet	Syn	Syn	Lim	Syn	Lim	
UK contact	Syn	Syn	Syn	Lim	RAGT	Syn	Syn	Lim	Lim	Syn	Syn	Lim	Syn	Syn	Lim	Syn	Lim	
Grain yield as % treated control																		
2006 treated (6.9 t/ha)	-	105	-	105	-	102	99	99	98	97	-	-	-	103	106	103	98	3.6
2007 treated (7.0 t/ha)	106	105	-	105	-	103	102	102	94	95	-	-	108	108	103	104	104	3.1
2008 treated (7.4 t/ha)	106	103	105	105	101	102	104	103	98	96	108	105	105	108	106	101	102	3.5
2009 treated (7.4 t/ha)	109	107	[107]	102	[103]	102	103	100	97	97	[107]	[109]	108	106	[104]	102	98	4.0
2010 treated (7.0 t/ha)	106	107	105	104	104	104	103	104	96	98	106	107	106	105	-	102	95	3.7
Malting quality																		
Hot water extract (l deg/kg)	313.5	313.1	312.6	315.9	312.8	311.5	312.8	311.7	313.2	311.9	-	314.8	-	-	-	312.3	-	1.6

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

Key to breeder/UK contact codes:

Lim = Limagrain UK (www.limagrain.co.uk)

RAGT = RAGT Seeds (www.ragt.co.uk)

Syn = Syngenta Seeds (www.newfarmcrops.co.uk)

Sejet = Sejet, Denmark (www.sejet.com)

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