

HGCA Recommended List[®] Spring Barley 2008

MARKET OPTIONS AND GRAIN QUALITY



	P2		P1		P2		C		P1		P1		C		C		*		C		P1		*		C*		*		Average LSD (5%)	
	Quench	Sweeney	Publican	NFC-Tipple	Jolika	Appaloosa	Belgravia	Cocktail	Westminster	Oxbridge	Cellar	Optic	Decanter	Waggon	Scout	Wicket	Doyen	Rebecca	Riviera	Static										
End-use group	Malting varieties													Feed varieties																
Scope of recommendation	UK	UK	UK	UK	UK	NE	UK	UK	UK	UK	UK	UK	North	UK	NE	UK	UK	North	UK	UK										
UK Treated yield as % control (7.2 t/ha)	107	106	105	104	104	102	102	102	101	100	97	96	#	106	106	104	102	101	98	97										
Main market options																														
IBD malting approval for brewing use	P	-	-	F	P	-	-	F	F	-	-	F	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IBD malting approval for distilling use	-	-	P	-	-	F	P	F	-	F	-	F	F	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Under test for IBD approval	-	-	-	-	Y	-	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Overseas malting	[Y]	-	-	Y	-	-	-	[Y]	-	-	Y	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Year first listed	07	08	07	05	08	06	08	03	05	05	01	95	99	05	08	05	04	04	95	99										
Grain quality																														
Specific weight (kg/hl)	67.9	67.8	69.2	68.6	67.3	68.1	68.4	69.9	70.2	69.7	69.1	69.9	69.6	67.8	68.9	68.6	68.9	66.9	70.6	68.5										
Sieving % through 2.25 mm	2.5	[2.8]	1.9	2.4	[2.3]	3.3	[2.3]	3.1	2.0	1.8	2.1	2.5	3.3	[3.0]	[2.4]	2.5	[2.1]	[2.6]	2.1	2.4										
Sieving % through 2.5 mm	7.6	[7.6]	5.4	6.8	[6.5]	10.1	[8.1]	10.0	6.0	5.2	6.4	8.6	10.2	[7.7]	[7.6]	7.1	[7.3]	[7.9]	5.7	7.8										
Nitrogen content (%)	1.55	1.48	1.56	1.46	1.50	1.48	1.54	1.52	1.55	1.50	1.55	1.55	-	1.51	[1.59]	1.48	1.45	-	[1.54]	[1.61]										

P1, P2 = first and second year of recommendation

* = variety no longer in trials

C = yield control

[] = limited data

Y = suited to that market

[Y] = may be suited to that market

F = Full IBD approval

P = Provisional 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

NE = Specific recommendation for the North East region

North = Specific recommendation for both the North West and North East regions

= Decanter has been grown only in trials in the North for several years so a UK mean yield cannot be given

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Varieties no longer listed: Chalice, Kirsty, Power, Spire and Troon

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YIELD, AGRONOMY AND DISEASE RESISTANCE



	P2	P1	P2	C	P1	P1	C	C		*	C		P1	*		C	*		Average LSD (5%)		
	Quench	Sweeney	Publican	NFC-Tipple	Jolika	Appaloosa	Belgravia	Cocktail	Westminster	Oxbridge	Cellar	Optic	Decanter	Waggon	Scout	Wicket	Doyen	Rebecca	Riviera	Static	
End-use group	Malting varieties												Feed varieties								
Scope of recommendation	UK	UK	UK	UK	UK	NE	UK	UK	UK	UK	UK	UK	North	UK	NE	UK	UK	North	UK	UK	
Fungicide treated grain yield as % treated control																					
UK with fungicide (7.2 t/ha)	107	106	105	104	104	102	102	102	101	100	97	96	#	106	106	104	102	101	98	97	2.6
North East region with fungicide (7.3 t/ha)	106	105	105	104	104	103	101	101	101	100	96	97	94	106	108	103	101	102	97	97	3.2
Dry (East) region with fungicide (7.0 t/ha)	106	107	106	104	103	103	105	102	102	100	98	94	-	106	104	104	103	[100]	97	98	4.2
Wet (West) region with fungicide (7.4 t/ha)	[112]	-	[105]	105	-	99	-	102	100	101	98	96	-	105	-	106	103	[99]	97	98	4.9
North West region with fungicide (6.8 t/ha)	104	[106]	104	102	[102]	100	[101]	101	102	96	95	95	[95]	106	[101]	103	101	99	100	97	4.4
Untreated grain yield as % treated control in comparable trials																					
UK without fungicide	96	95	96	92	94	89	95	90	94	90	86	80	86	95	94	91	93	91	89	88	3.6
Agronomic features																					
Resistance to lodging	8	9	8	9	8	9	7	9	8	9	8	8	9	9	8	9	9	8	7	9	
Straw height (cm)	69	70	73	68	69	71	75	68	82	73	68	74	74	72	71	63	70	79	78	72	3.1
Ripening (+/- Optic, -ve = earlier)	0	[-1]	0	-1	[0]	-1	[-1]	-1	0	-1	-1	0	-2	-2	[-1]	-1	-1	-1	-3	-2	1.2
Resistance to brackling	8	8	7	8	7	8	7	9	6	8	5	5	8	8	8	9	8	4	7	7	1.2
Disease resistance																					
Mildew	9	9	8	9	8	9	9	7	9	7	9	5	9	9	8	6	7	6	8	9	0.6
Yellow rust	3	[4]	3	3	[5]	8	[7]	4	6	5	4	9	8	6	[2]	6	3	4	6	6	1.5
Brown rust	3	9	5	8	4	6	5	7	5	5	7	5	5	7	7	7	7	5	4	7	1.8
<i>Rhynchosporium</i>	8	5	8	4	6	4	7	5	8	7	4	4	6	4	5	6	7	8	5	5	1.1

P1, P2 = first and second year of recommendation

* = variety no longer in trials

C = yield control

[] = 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

	RECOMMENDED																				Average LSD (5%)
	P2	P1	P2	C	P1		P1	C	C		*	C		P1	*		C	*	*		
	Quench	Sweeney	Publican	NFC-Tipple	Jolika	Appaloosa	Belgravia	Cocktail	Westminster	Oxbridge	Cellar	Optic	Decanter	Waggon	Scout	Wicket	Doyen	Rebecca	Riviera	Static	
End-use group	Malting varieties													Feed varieties							
Scope of recommendation	UK	UK	UK	UK	UK	NE	UK	UK	UK	UK	UK	UK	North	UK	NE	UK	UK	North	UK	UK	
Breeder/ UK contact																					
Breeder	NFC	NFC	NFC	NFC	NFC	Nick	Nick	NFC	Nick	Nick	NFC	NFC	Nick	NFC	Nick	NFC	NFC	Nord	RAGT	NFC	
UK contact	NFC	NFC	NFC	NFC	NFC	Nick	Nick	NFC	Nick	Nick	NFC	NFC	Nick	NFC	Nick	NFC	NFC	SU	RAGT	NFC	
Grain yield as % treated control																					
2003 treated (7.5 t/ha)	-	-	-	103	-	102	-	101	102	104	97	95	94	106	-	104	103	100	99	98	3.0
2004 treated (7.1 t/ha)	108	-	107	106	-	110	-	101	102	101	97	95	96	106	-	107	102	106	96	97	2.6
2005 treated (7.2 t/ha)	108	107	106	103	103	100	101	102	101	99	96	96	92	106	106	104	102	97	98	98	3.2
2006 treated (6.9 t/ha)	106	105	105	103	106	101	101	101	99	100	97	98	95	104	107	104	99	103	99	97	3.8
2007 treated (7.0 t/ha)	105	104	103	104	102	97	102	102	102	93	98	95	93	108	103	101	101	99	97	-	3.8
Malting quality																					
Hot water extract (l deg/kg)	313.8	313.0	313.4	313.2	315.0	312.2	314.0	313.3	317.2	315.3	314.6	312.4	-	312.2	310.9	311.9	313.3	-	311.1	306.9	3.2

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

Key to breeder/UK contact codes:

NFC = New Farm Crops (www.newfarmcrops.co.uk)

Nick = Nickerson (www.nickersonseeds.co.uk)

Nord = Nordsaat, Germany

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

SU = Saaten Union UK Ltd (www.saaten-union.co.uk)

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