

HGCA Recommended List[®] Spring Barley 2007

MARKET OPTIONS AND GRAIN QUALITY



	P1		P1	C	P2		C						C	*				*	*	C*	C	Average LSD (5%)
	Quench	Publican	NFC-Tipple	Appaloosa	Cocktail	Oxbridge	Westminster	Troon	Cellar	Optic	Chalice	Decanter	Waggon	Wicket	Power	Doyen	Spire	Rebecca	Kirsty	Static	Riviera	
End-use group	Malting varieties												Feed varieties									
Scope of recommendation	UK	UK	UK	NE	UK	UK	UK	NE	UK	UK	North	North	UK	UK	UK	UK	UK	North	NW	UK	UK	
UK Treated yield as % control (7.1 t/ha)	108	107	105	104	103	102	102	99	98	96	96	96	107	106	103	103	102	100	99	98	98	2.3
Main market options																						
IBD malting approval for brewing use	P	-	F	-	F	-	P	-	F	F	-	-	-	-	-	-	-	-	-	-	-	
IBD malting approval for distilling use	-	P	-	F	F	F	-	F	-	F	-	F	-	-	-	-	-	-	-	-	-	
Under test for IBD approval	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Overseas malting	-	-	Y	-	[Y]	-	-	[Y]	Y	Y	[Y]	-	-	-	-	-	-	-	-	-	-	
Year first listed	07	07	05	06	03	05	05	03	01	95	98	99	05	05	05	04	02	04	03	99	95	
Grain quality																						
Specific weight (kg/hl)	68.6	69.7	69.0	68.7	70.2	70.2	70.6	69.7	69.5	70.4	69.1	70.1	68.5	69.3	69.7	69.2	67.8	67.4	70.5	69.0	71.4	0.7
Sieving % through 2.25 mm	2.5	2.3	2.7	3.3	3.4	2.0	2.3	2.0	2.3	3.0	3.2	4.6	3.1	2.8	3.3	2.5	2.9	3.8	4.8	2.4	2.2	1.0
Sieving % through 2.5 mm	7.6	6.5	7.9	10.4	11.3	5.6	6.9	6.0	7.2	10.3	9.3	13.5	7.6	7.7	9.0	7.6	7.2	9.9	12.7	8.4	5.8	2.3
Nitrogen content (%)	1.55	1.57	1.46	1.45	1.49	1.49	1.54	1.56	1.54	1.55	1.58	-	1.50	1.47	1.49	1.44	-	-	-	1.61	1.54	0.05

P1, P2 = first and second year of recommendation.

Y = suited to that market.

F = 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.

NW = Specific recommendation for the North West region.

* = no longer in trials.

[Y] = may be suited to that market.

P = Provisional IBD approval.

NE = Specific recommendation for the North East region.

North = Specific recommended for both the North West and North East regions.

C = yield control.

® = "HGCA RECOMMENDED LIST" is a registered trademark of the Home Grown Cereals Authority.

Variety no longer listed: Tocada

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YIELD, AGRONOMY AND DISEASE RESISTANCE

RECOMMENDED	P1		C	P2		C		C		*	C		*	*	C*	C	Average LSD (5%)					
	Quench	Publican	NFC-Tipple	Appaloosa	Cocktail	Oxbridge	Westminster	Troon	Cellar	Optic	Chalice	Decanter	Waggon	Wicket	Power	Doyen		Spire	Rebecca	Kirsty	Static	Riviera
End-use group	Malting varieties												Feed varieties									
Scope of recommendation	UK	UK	UK	NE	UK	UK	UK	NE	UK	UK	North	North	UK	UK	UK	UK	UK	North	NW	UK	UK	
Fungicide treated grain yield as % treated control																						
UK with fungicide (7.1 t/ha)	108	107	105	104	103	102	102	99	98	96	96	96	107	106	103	103	102	100	99	98	98	2.3
North East region with fungicide (7.1 t/ha)	108	107	105	105	102	103	102	98	96	97	96	95	107	105	105	102	102	104	100	98	99	2.9
North West region with fungicide (6.6 t/ha)	[108]	[106]	103	104	102	99	102	98	96	95	97	95	106	104	102	101	101	101	100	99	102	4.1
Dry (East) region with fungicide (7.1 t/ha)	106	107	106	105	104	103	102	102	99	96	97	[97]	107	107	102	103	102	97	[97]	99	96	3.8
Wet (West) region with fungicide (7.2 t/ha)	[111]	[105]	105	100	103	103	100	101	99	97	95	[96]	106	108	103	104	104	[97]	[99]	99	97	4.3
Untreated grain yield as % treated control in comparable trials																						
UK without fungicide	98	98	93	92	91	93	96	92	87	79	84	88	97	93	97	96	89	92	89	91	90	3.4
Agronomic features																						
Resistance to lodging	8	8	8	9	9	9	8	8	8	8	8	9	9	9	8	9	9	8	8	8	7	
Straw height (cm)	69	71	66	70	67	73	80	70	67	72	69	[73]	72	62	68	70	73	78	[71]	71	76	2.3
Ripening (+/- Optic, -ve = earlier)	0	0	0	0	-1	-1	0	-1	-1	0	-1	-1	-1	0	-2	-1	0	-1	0	-1	-2	0.77
Resistance to brackling	8	7	8	8	9	8	6	7	5	5	6	8	8	9	5	8	6	4	8	7	8	1.1
Disease resistance																						
Mildew	9	9	9	8	7	7	9	9	9	5	9	9	8	6	8	8	6	7	7	9	8	0.3
Yellow rust	4	3	3	8	4	4	5	8	4	9	7	8	6	6	7	3	5	4	4	6	6	1.1
Brown rust	4	5	8	5	6	6	5	5	7	5	4	5	8	7	7	6	5	5	8	7	4	1.7
<i>Rhynchosporium</i>	7	8	4	4	5	7	8	4	4	4	5	6	4	6	6	7	4	8	4	5	5	0.6

P1, P2 = first and second year of recommendation.

* = 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	P1		C	P2		C		C		*		*		C*		C	Average LSD (5%)					
	Quench	Publican	NFC-Tipple	Appaloosa	Cocktail	Oxbridge	Westminster	Troon	Cellar	Optic	Chalice	Decanter	Waggon	Wicket	Power	Doyen		Spire	Rebecca	Kirsty	Static	Riviera
End-use group	Malting varieties												Feed varieties									
Scope of recommendation	UK	UK	UK	NE	UK	UK	UK	NE	UK	UK	North	North	UK	UK	UK	UK	UK	North	NW	UK	UK	
Breeder/ UK contact																						
Breeder	NFC	NFC	NFC	Nick	NFC	Nick	Nick	Nick	NFC	NFC	NFC	Nick	NFC	NFC	Sej	NFC	RAGT	Nord	Nord	NFC	RAGT	
UK contact	NFC	NFC	NFC	Nick	NFC	Nick	Nick	Nick	NFC	NFC	NFC	Nick	NFC	NFC	Nick	NFC	RAGT	SU	SU	NFC	RAGT	
Grain yield as % treated control																						
2002 treated (6.7 t/ha)	-	-	107	-	103	105	102	101	98	94	96	95	111	108	107	104	101	98	99	99	98	3.2
2003 treated (7.4 t/ha)	-	-	104	103	102	105	103	99	97	96	96	95	106	105	105	104	104	101	101	99	100	3.1
2004 treated (7.0 t/ha)	109	108	107	111	102	102	103	99	98	96	97	97	107	108	102	103	103	107	100	98	97	2.7
2005 treated (7.1 t/ha)	109	107	103	101	103	100	101	98	97	97	97	93	107	105	101	103	101	98	100	98	98	2.9
2006 treated (6.8 t/ha)	107	105	104	102	101	100	100	98	98	98	94	96	105	104	103	99	-	103	-	98	100	3.3
Malting quality																						
Hot water extract (l deg/kg)	313.8	314.1	313.8	312.8	314.7	315.8	317.7	315.2	315.1	312.8	312.3	-	312.7	312.4	313.1	313.7	-	-	-	307.3	311.5	1.7

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

Key to breeder/UK contact codes:

NFC = New Farm Crops (www.newfarmcrops.co.uk).
 Nick = Nickerson-Advanta Ltd (www.nickersonuk.com).
 Nord = Nordsaat, Germany.

RAGT = RAGT Seeds Ltd (www.ragt.co.uk).
 Sej = Sejet, Denmark.
 SU = Saaten Union UK Ltd (www.saaten-union.co.uk).

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