



HGCA RECOMMENDED LIST® SPRING BARLEY 2005

MARKET OPTIONS AND GRAIN QUALITY

Table updated June 2005 to show revised loB approvals

	P1	P1		P1		P2	C	*	C	C		P1	P1	P1	P1	P2		P2		C	C	Average LSD (5%)
	NFC Tipple	Oxbridge	Cocktail	Westminster	Troon	Carafe	Cellar	Prestige \$	Chalice	Optic	Decanter	Waggon	Tocada	Wicket	Power	Doyen	Spire	Rebecca	Kirsty	Static	Riviera	
End-use group	Malting varieties											Feed varieties										
Scope of recommendation	UK	UK	UK	UK	UK	UK	UK	Specific	North	UK	North	UK	UK	UK	UK	UK	UK	North	N West	UK	UK	
UK treated yield as % control (6.8 t/ha)	109	107	106	105	102	101	101	99	99	99	98	111	111	110	108	106	106	104	103	102	100	3.0
Main market options																						
loB malting approval for brewing use	P	-	F	P	-	-	F	-	F	F	F	-	-	-	-	-	-	-	-	-	-	
loB malting approval for distilling use	-	P	F	P	F	-	-	-	F	F	F	-	-	-	-	-	-	-	-	-	-	
Under test for loB approval																						
BCE guide to overseas malting	-	-	(Y)	-	(Y)	(Y)	(Y)	Y	(Y)	Y	(Y)	-	-	-	-	-	-	-	-	-	-	
Year first listed	05	05	03	05	03	04	01	03	98	95	99	05	05	05	05	04	02	04	03	99	95	
Grain quality																						
Specific weight (kg/hl)	68.6	69.6	69.8	70.6	69.0	66.6	69.0	69.7	68.4	69.9	69.5	68.3	68.1	68.8	69.1	68.8	67.0	67.0	69.5	68.3	70.9	0.6
Sieving % through 2.25 mm	2.3	1.7	2.9	1.8	1.8	2.5	2.1	1.9	2.8	2.7	3.7	2.7	2.5	2.4	2.9	2.3	2.5	3.4	3.9	2.2	2.0	0.8
Sieving % through 2.5 mm	6.9	4.8	10.2	5.7	5.4	6.5	6.3	5.2	8.2	9.0	12.3	6.5	5.6	6.7	8.0	6.9	6.9	9.0	11.1	7.5	5.5	1.9
Nitrogen content (%)	1.45	1.50	1.48	1.55	1.57	1.56	1.54	1.67	1.57	1.53	1.57	1.50	1.51	1.47	1.49	1.47	1.49	-	1.59	1.60	1.56	0.05

P1, P2 = first and second year of recommendation

Y = suited to that market

F = Full loB approval

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

\$ Prestige is recommended for export for malting.

* = no longer in trial

(Y) = may be suited to that market

P = Provisional loB approval

Varieties marked "North" are recommended for both the North West and North East regions.

C = yield control

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YIELD AGRONOMY AND DISEASE RESISTANCE

	P1	P1		P1		P2	C	*	C	C		P1	P1	P1	P1	P2		P2		C	C	
	NFC Tipple	Oxbridge	Cocktail	Westminster	Troon	Carafe	Cellar	Prestige \$	Chalice	Optic	Decanter	Waggon	Tocada	Wicket	Power	Doyen	Spire	Rebecca	Kirsty	Static	Riviera	Average LSD (5%)
End-use group	Malting varieties											Feed varieties										
Scope of recommendation	UK	UK	UK	UK	UK	UK	UK	Specific	North	UK	North	UK	UK	UK	UK	UK	UK	North	N West	UK	UK	
Fungicide treated grain yield as % treated control																						
United Kingdom (6.8 t/ha)	109	107	106	105	102	101	101	99	99	99	98	111	111	110	108	106	106	104	103	102	100	3.0
North East region (6.9 t/ha) #	108	108	105	106	101	100	100	99	99	100	98	111	112	109	110	106	105	109	104	101	100	2.9
North West region (6.8 t/ha) #	(106)	(104)	105	(106)	100	100	99	100	100	98	98	(109)	(112)	(107)	(107)	104	103	105	104	101	102	5.0
Dry (East) region (6.9 t/ha) #	110	108	107	106	105	103	102	99	99	98	97	112	109	112	106	107	107	101	102	102	98	4.1
Wet (West) region (6.5 t/ha) #	110	106	106	102	103	101	103	100	98	97	98	111	109	114	104	107	106	98	102	102	100	3.9
Untreated grain yield as % treated control in comparable trials																						
United Kingdom	93	93	91	95	91	85	87	87	82	78	86	98	88	93	98	94	88	91	90	90	89	4.5
Agonomic features																						
Resistance to lodging	9	9	9	8	8	9	8	8	8	8	9	9	9	9	7	9	9	9	8	9	7	
Straw height (cm)	66	72	70	84	74	74	70	72	71	75	75	73	78	63	71	70	73	81	73	75	82	1.9
Ripening (+/- Optic, -ve = earlier)	0	-1	-1	0	-1	-1	-1	-2	-2	0	-1	-2	-2	-1	-2	-1	0	-1	-1	-1	-2	0.6
Resistance to brackling	8	8	9	7	7	7	5	7	7	5	8	8	7	9	5	8	6	3	8	7	8	1.0
Disease resistance																						
Mildew	9	8	8	9	9	9	9	9	9	5	9	9	6	7	9	8	6	7	7	9	8	0.5
Yellow rust	3	4	4	5	8	3	4	4	7	8	8	5	3	6	6	3	5	3	4	6	5	1.6
Brown rust	9	7	8	5	6	9	8	9	4	6	6	9	4	8	6	7	5	5	9	8	6	2.4
<i>Rhynchosporium</i>	5	7	6	8	4	4	4	4	5	4	5	4	4	6	6	8	4	7	5	5	5	1.0
BYDV	-	-	(8)	-	(8)	-	7	(6)	7	7	7	-	-	-	-	-	8	-	(6)	8	5	

P1, P2 = first and second year of recommendation

* = variety no longer in trial

C = yield control

() = Limited data. BYDV ratings in brackets are from 1 or 2 sites only.

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 (eg high resistance).

Comparisons of variety performance across regions are not valid.

= The regional yields include supplementary trials (2000-2001) which may not have received the full fungicide protocol.

\$ Prestige is recommended for export for malting.

Varieties marked "North" are recommended for both the North West and North East regions.

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SUPPLEMENTARY DATA

	P1	P1		P1		P2	C	*	C	C		P1	P1	P1	P1	P2		P2		C	C	Average LSD (5%)	
	Malting varieties											Feed varieties											
End-use group	NFC Tipple	Oxbridge	Cocktail	Westminster	Troon	Carafe	Cellar	Prestige	Chalice	Optic	Decanter	Waggon	Tocada	Wicket	Power	Doyen	Spire	Rebecca	Kirsty	Static	Riviera		
Scope of recommendation	UK	UK	UK	UK	UK	UK	UK	Specific	North	UK	North	UK	UK	UK	UK	UK	UK	North	N West	UK	UK		
Breeder/ Agent																							
Breeder	NFC	Nick	NFC	Nick	Nick	NFC	NFC	RAGT	NFC	NFC	Nick	NFC	Loch	NFC	Sej	NFC	RAGT	Nord	Nord	NFC	RAGT		
Agent	NFC	Nick	NFC	Nick	Nick	NFC	NFC	RAGT	NFC	NFC	Nick	NFC	CPB	NFC	Adv	NFC	RAGT	SU	SU	NFC	RAGT		
Grain yield as % treated control																							
2000 treated (7.4 t/ha)	-	-	108	-	103	-	102	101	98	100	98	-	-	-	-	-	108	-	105	102	98	3.0	
2001 treated (6.4 t/ha)	-	-	105	-	102	103	100	-	100	102	97	-	-	-	-	105	105	105	104	100	98	3.0	
2002 treated (6.5 t/ha)	110	108	106	105	104	102	101	101	99	97	98	115	111	112	110	107	104	101	102	102	101	3.3	
2003 treated (7.2 t/ha)	106	108	105	105	102	100	100	100	98	98	98	109	110	108	108	107	107	103	104	101	103	3.1	
2004 treated (6.6 t/ha)	110	105	105	106	102	100	101	97	100	98	100	110	111	112	105	106	106	110	103	101	100	2.7	
Agronomic features																							
Lodging % without PGR	1.0	1.1	0.8	2.9	2.0	0.7	2.0	1.4	2.0	1.3	0.8	0.7	1.0	0.3	2.9	0.4	0.8	0.7	2.3	1.2	5.2		
Lodging % with PGR	0.5	0.5	0.5	2.5	2.3	1.2	1.2	1.3	0.9	1.8	1.3	0.5	1.0	0.5	7.1	0.7	0.5	0.8	0.9	1.0	2.4		
Malting quality																							
Hot water extract (l deg/kg)	313.3	314.5	313.4	317.3	314.4	315.7	314.8	311.0	311.6	312.8	311.5	312.5	310.2	311.8	312.5	312.5	309.9	-	308.8	306.5	308.9	1.5	

P1, P2 = first and second year of recommendation

* = variety no longer in trial

C = yield control

Varieties marked "North" are recommended for both the North West and North East regions.

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

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

Key to breeder/agent codes:

Adv = Advanta Seeds UK (www.advantaseeds.co.uk)

CPB = CPB Twyford Ltd (www.cpb-twyford.co.uk)

Loch = Lochow-Petkus, Germany

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

Nick = Nickerson (UK) Ltd (www.nickersonuk.com)

Nord = Nordsaat, Germany

Paj = Pajbjerg Fonden, Denmark

Sej = Sejet, Denmark

SU = Saaten Union (enquires@saaten-union.co.uk)

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

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