



HGCA RECOMMENDED LIST SPRING BARLEY 2004

MARKET OPTIONS AND GRAIN QUALITY															
	P2	P2	P1	C	P2	C	C		P1		P2	P1	C	C	
	Cocktail	Troon	Carafe	Cellar	Prestige \$	Optic	Chalice	Decanter	Doyen	Spire	Kirsty	Rebecca	Static	Riviera	Average LSD (5%)
End-use group	Malting varieties								Feed varieties						
Scope of recommendation	UK	UK	UK	UK	Specific	UK	North	North	UK	UK	N West	North	UK	UK	
UK Treated yield as % control (7.0 t/ha)	106	102	101	101	100	99	99	98	106	105	103	102	102	100	3.1
Main market options															
loB malting approval in the South	P	P		F		F									
loB malting approval in the North	P	P				F	F	F							
Under test for loB approval			(Y)												
BCE guide to overseas malting	(Y)	(Y)	(Y)	(Y)	Y	Y	(Y)	(Y)							
Year first listed	03	03	04	01	03	95	98	99	04	02	03	04	99	95	
Grain quality															
Specific weight (kg/hl)	69.6	68.8	66.4	68.7	69.5	69.7	68.1	69.1	68.7	66.5	69.0	66.9	68.1	70.5	0.6
Sieving % through 2.25 mm	2.7	1.4	1.9	1.7	1.4	2.5	2.5	3.4	1.9	2.2	3.6	3.1	1.8	1.9	0.8
Sieving % through 2.5 mm	10	5	6	5	4	8	8	12	6	6	11	9	7	5	2.0
Nitrogen content (%)	1.5	1.6	1.6	1.6	1.7	1.5	1.6	1.6	1.5	1.5	1.6	-	1.6	1.6	0.05

P1, P2 first and second year of recommendation

C = Yield control

F = Full loB approval

\$ Prestige is recommended for export for malting.

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

P = Provisional loB approval

Y = Suited to that market

(Y) = May be suited to that market



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YIELD AGRONOMY AND DISEASE RESISTANCE

	P2	P2	P1	C	P2	C	C		P1		P2	P1	C	C	
	Cocktail	Troon	Carafe	Cellar	Prestige \$	Optic	Chalice	Decanter	Doyen	Spire	Kirsty	Rebecca	Static	Riviera	Average LSD (5%)
End-use group	Malting varieties								Feed varieties						
Scope of recommendation	UK	UK	UK	UK	Specific	UK	North	North	UK	UK	N West	North	UK	UK	
Fungicide treated grain yield as % treated control															
UK with fungicide (7.0 t/ha)	106	102	101	101	100	99	99	98	106	105	103	102	102	100	3.1
North East region with fungicide (6.8 t/ha) #	105	101	100	100	100	101	99	98	106	105	105	109	101	99	3.1
North West region with fungicide (7.1 t/ha) #	105	99	101	100	100	98	100	98	104	103	104	103	102	100	4.7
Dry (East) region with fungicide (7.2 t/ha) #	107	105	103	103	101	98	98	98	106	106	102	99	102	98	3.8
Wet (West) region with fungicide (6.6 t/ha) #	106	104	100	102	100	98	98	98	107	106	101	96	102	100	4.1
Untreated grain yield as % treated control in comparable trials															
UK without fungicide	90	90	85	86	87	78	80	84	92	86	88	88	89	86	5.1
Agonomic features															
Resistance to lodging	9	8	9	8	9	8	8	9	9	9	8	9	8	7	(1.7)
Straw height (cm)	69	74	73	69	72	75	71	74	70	74	74	81	74	81	2.0
Ripening (+/- Optic, -ve = earlier)	0	-1	-1	-1	-2	0	-2	-1	-1	0	-1	-1	-1	-2	0.7
Resistance to brackling	9	7	6	5	7	5	7	8	7	6	8	4	7	8	1.1
Disease resistance															
Mildew	8	9	9	9	9	5	9	9	8	7	8	8	9	8	0.8
Yellow rust	4	8	4	4	3	8	8	7	4	5	4	4	5	6	2.0
Brown rust	8	5	9	9	8	6	5	6	7	6	8	7	8	6	(3.1)
<i>Rhynchosporium</i>	5	4	4	4	5	4	5	5	8	4	5	7	5	5	(1.1)
BYDV	(8)	(8)	-	7	(6)	7	7	6	-	8	(6)	-	8	5	(2.2)

BYDV ratings in brackets are from 1 or 2 sites only

C = Control variety

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

() = Limited data. LSDs in brackets are approximate

= The regional yields include supplementary trial (1999-2001) which may not have received the full fungicide protocol.

Comparisons of variety performance across regions are not valid.

\$ Prestige is recommended for export for malting.



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SUPPLEMENTARY DATA

	P2	P2	P1	C	P2	C	C		P1		P2	P1	C	C		
	Cocktail	Troon	Carafe	Cellar	Prestige \$	Optic	Chalice	Decanter	Doyen	Spire	Kirsty	Rebecca	Static	Riviera	Average LSD (5%)	
End-use group	Malting varieties								Feed varieties							
Scope of recommendation	UK	UK	UK	UK	Specific	UK	North	North	UK	UK	N West	North	UK	UK		
Breeder/ Agent																
Breeder	NFC	Nick	NFC	NFC	Mon	NFC	NFC	Nick	NFC	Mon	Nord	Nord	NFC	Mon		
Agent	NFC	Nick	NFC	NFC	Mon	NFC	NFC	Nick	NFC	Mon	SU	SU	NFC	Mon		
Grain yield as % treated control																
1999 treated (7.3 t/ha)	-	-	-	102	99	100	99	98	-	103	-	-	102	97	3.0	
2000 treated (7.4 t/ha)	108	103	-	102	101	100	98	98	-	107	104	-	102	98	3.0	
2001 treated (6.4 t/ha)	105	102	103	100	-	102	100	97	105	104	104	105	100	98	3.2	
2002 treated (6.5 t/ha)	106	104	101	101	101	97	99	98	106	104	102	101	102	101	3.3	
2003 treated (7.2 t/ha)	105	102	100	101	100	97	98	97	107	107	104	103	101	103	2.8	
Malting quality																
Hot water extract (l deg/kg)	313.8	314.7	315.8	314.8	311.3	313.3	311.6	311.3	312.4	310.1	309.1	-	306.9	309.0	1.5	

\$ Prestige is recommended for export for malting.

Key to breeder/agent codes:

Mon = Monsanto UK Ltd, PBIC Seeds (www.monsanto-ag.co.uk)

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

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

Nord = Nordsaat, Germany

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