



HGCA RECOMMENDED LIST® WINTER BARLEY 2006/07

MARKET OPTIONS AND GRAIN QUALITY

	P2	C	*	P2	P2	C	C	*	*	P1	P1	C*	P2					Average LSD (5%)
	Flagon	Pearl	Fanfare	Saffron	Camion	Spectrum	Cannock	Carat	Scylla	Haka	Colossus \$	Colibri	Boost \$	Siberia	Sequel	Amarena	Pict	
Variety type	Two-row malting			Two-row feed						Six-row feed								
Scope of recommendation	UK	UK	East	UK	UK	UK	UK	UK	North	UK	N&W	UK	UK	UK	UK	North	UK	
UK treated yield as % control (8.2 t/ha)	100	97	96	104	101	101	101	98	98	98	110	109	109	104	104	103	103	3.3
Main market options																		
loB malting approval for brewing use	P	F	F	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
loB malting approval for distilling use	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Under test for loB approval	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BCE guide to overseas malting	-	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pearling	-	-	-	-	?	-	-	(Y)	-	Y	-	-	-	-	?	-	-	-
Year first listed	05	99	95	05	04	05	03	02	02	01	04	06	06	00	03	05	02	
Grain quality																		
Specific weight (kg/hl)	69.1	70.3	71.6	70.4	71.3	68.4	66.7	71.6	70.5	71.4	66.9	65.7	69.4	63.4	70.0	64.7	70.6	0.8
Screenings % through 2.25 mm	3.4	2.4	3.8	1.9	2.7	2.0	4.1	1.7	2.7	1.6	5.4	6.4	3.2	4.0	6.0	5.1	10.1	1.5
Screenings % through 2.5 mm	9.4	6.2	11.9	6.6	7.8	5.7	11.5	4.1	9.1	4.0	17.2	25.7	10.0	13.1	18.6	15.8	27.8	3.6
Nitrogen content (%)	1.6	1.7	1.7	-	1.7	-	1.7	1.6	1.7	1.7	-	-	-	1.7	1.6	-	1.5	0.07

P1, P2 = first and second year of recommendation

* = variety no longer in trials

C = yield control

Y = suited to that market

(Y) = may be suited to that market

? = further information required

F = Full loB approval

P = Provisional loB approval.

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

E&W = Recommended for dry (East) and wet (West) regions.

\$ = Colossus is a hybrid barley and is recommended for the North and wet (West) regions. Boost is a hybrid barley recommended for the UK.

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

Varieties no longer listed: Vanessa, Pastoral, Sumo, Regina and Jewel



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YIELD, AGRONOMY AND DISEASE RESISTANCE

	P2	C	*	P2	P2	C	C	*	*	P1	P1	C*	P2					
	Flagon	Pearl	Fanfare	Saffron	Camion	Spectrum	Cannock	Carat	Scylla	Haka	Colossus \$	Colibri	Boost \$	Siberia	Sequel	Amarena	Pict	Average LSD (5%)
Variety type	Two-row malting			Two-row feed						Six-row feed								
Scope of recommendation	UK	UK	East	UK	UK	UK	UK	UK	North	UK	N&W	UK	UK	UK	UK	North	UK	
Grain yield as % treated control																		
UK with fungicide (8.2 t/ha)	100	97	96	104	101	101	101	98	98	98	110	109	109	104	104	103	103	3.3
North region with fungicide (8.4 t/ha)	98	98	94	105	102	101	102	97	99	96	112	(106)	(107)	103	103	106	101	4.0
Dry (East) region with fungicide (8.3 t/ha)	101	96	96	106	101	101	101	98	98	100	108	111	109	105	106	103	103	4.4
Wet (West) region with fungicide (7.8 t/ha)	102	98	95	103	101	100	99	99	97	97	111	109	109	105	104	102	103	4.1
Untreated grain yield (% treated control in comparable trials)																		
UK without fungicide	86	83	81	89	84	80	80	83	82	83	87	94	90	88	89	93	86	5.0
Agronomic features																		
Resistance to lodging	4	7	6	8	8	9	6	8	8	8	6	6	7	8	7	8	6	
Straw height (cm)	111	111	102	101	101	93	107	96	98	104	122	111	113	99	116	112	112	3.7
Ripening (+/- Pearl, -ve = earlier)	-1	0	-1	-1	-2	-2	+1	-3	-2	-2	-3	-2	-3	-4	-3	-3	-3	0.8
Winter hardiness	(5)	5	(6)	(5)	5	(6)	4	5	7	7	5	-	-	4	6	(6)	6	1.8
Disease resistance																		
Mildew	7	7	6	4	5	5	4	6	6	7	4	7	7	5	7	9	7	1.4
Yellow rust	8	5	8	6	7	7	8	6	6	7	3	9	7	4	5	3	5	1.4
Brown rust	7	7	7	7	5	5	5	5	6	7	3	7	4	5	5	8	7	0.9
<i>Rhynchosporium</i>	8	7	7	6	7	6	8	7	7	5	8	8	8	8	8	8	8	0.6
Net blotch	6	5	7	8	8	6	8	6	8	7	7	8	8	5	7	8	6	1.9
BaYMV						R		R				R	R	R	R		R	

P1, P2 = first and second year of recommendation

* = variety no longer in trials

C = yield control

() = limited data. Bracketed LSDs are approximate.

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).

R = resistant to barley mild mosaic virus (BaMMV) and to barley yellow mosaic virus (BaYMV) strain 1.

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SUPPLEMENTARY DATA

P2 C * P2 P2 C C * * P1 P1 C* P2

	Flagon	Pearl	Fanfare	Saffron	Camion	Spectrum	Cannock	Carat	Scylla	Haka	Colossus	Colibri	Boost	Siberia	Sequel	Amarena	Pict	Average LSD (5%)
Variety type	Two-row malting			Two-row feed						Six-row feed								
Scope of recommendation	UK	UK	UK	UK	UK	UK	UK	UK	North	UK	N&W	UK	UK	UK	UK	North	UK	
Breeder/ Agent																		
Breeder	NFC	Nick	Adv	CPB	CPB	Nick	Nick	Nick	CPB	CPB	NFC	Mom	NFC	Sec	NFC	Nord	CPB	
Agent	NFC	Nick	Adv	CPB	CPB	Nick	Nick	Nick	CPB	CPB	NFC	Dalt	NFC	Dal	NFC	SU	CPB	
Annual yields as % treated control																		
2001 treated yield (7.9 t/ha)	-	93	97	-	101	-	104	99	97	97	114	-	-	104	105	-	103	3.8
2002 treated yield (7.9 t/ha)	100	97	93	104	101	100	99	99	99	99	105	-	-	105	105	100	102	3.5
2003 treated yield (7.8 t/ha)	102	100	-	105	102	100	102	96	99	98	109	106	108	103	102	100	100	3.4
2004 treated yield (8.8 t/ha)	100	97	-	106	101	103	101	99	97	96	109	110	110	103	104	104	103	4.4
2005 treated yield (8.7 t/ha)	100	96	98	102	102	99	99	99	97	(97)	112	110	108	107	106	106	105	3.7
Soil type (about 50% of trials are medium soils)																		
Light soils (8.0 t/ha)	100	97	97	107	102	102	100	99	99	99	109	108	108	104	104	104	104	4.6
Heavy soils (8.5 t/ha)	100	97	94	104	100	100	101	98	97	98	109	110	108	105	104	101	102	4.1
Agronomic Characteristics																		
Lodging % without PGR	15.6	3.0	4.6	1.6	2.1	0.0	7.9	1.3	1.2	1.4	6.8	6.6	3.2	0.9	2.3	1.5	4.3	
Lodging % with PGR	13.5	3.5	4.9	1.4	1.1	0.3	2.7	0.8	1.1	1.1	4.7	7.6	1.0	1.3	1.7	1.8	3.7	
Malting quality																		
Hot water extract (l deg/kg)	308.4	306.4	307.0	-	300.8	-	301.2	302.3	298.7	298.8	-	-	-	286.8	301.4	-	297.2	3.1

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)

Dal = Dalgety Masstock (www.dalgety.co.uk)

Dalt= Dalton Seeds (www.dalmark.co.uk)

Mom=Moment, France

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

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

Nord=Nordsaat, Ger

Sec = Secobra, France

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

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