

HGCA Recommended List[®] spring barley 2010

MARKET OPTIONS AND GRAIN QUALITY

	RECOMMENDED		P1	P2	P2	C	C	C	C	P1	*P2	*	*	*	*C	*	Average LSD (%)			
	Propino	Quench	Concerto	Publican	Forensic	NFC-Tipple	Belgravia	Westminster	Oxbridge	Optic	Decanter	Garner	Waggon	Cropton	Sweeney	Scout	Jolika	Cocktail	Doyen	
End-use group	Malting varieties										Feed varieties									
Scope of recommendation	UK	UK	UK	UK	UK	UK	UK	UK	UK	UK	North	UK	UK	UK	UK	NE	UK	UK	UK	
UK treated yield as % control (7.2 t/ha)	108	107	105	104	103	103	102	101	98	97	#	108	107	105	105	105	104	102	101	2.4
Main market options																				
IBD malting approval for brewing use	[T]	F	P	-	-	F	-	F	-	F	-	-	-	-	-	-	-	-	-	
IBD malting approval for distilling use	-	-	P	F	P	-	F	-	F	F	-	-	-	-	-	-	-	-	-	
IBD malting approval for grain distilling use	-	-	-	-	P	-	F	-	-	F	-	-	-	-	-	-	-	-	-	
Overseas malting	-	Y	-	-	-	Y	-	-	-	Y	-	-	-	-	-	-	-	[Y]	-	
Year first listed	10	07	09	07	09	05	08	05	05	95	99	10	05	09	08	08	08	03	04	
Grain quality																				
Specific weight (kg/hl)	66.5	67.4	67.9	68.4	66.8	68.0	68.2	69.7	69.3	69.5	69.0	66.0	67.1	67.9	67.3	68.2	66.5	69.5	68.5	0.7
Sieving % through 2.25 mm	1.5	1.8	1.5	1.4	1.5	1.7	1.6	1.4	1.2	1.8	2.2	1.6	-	1.7	1.8	[1.6]	1.7	2.2	-	0.5
Sieving % through 2.5 mm	4.5	5.9	4.5	4.3	5.1	5.1	5.6	4.5	3.7	6.6	7.5	5.8	-	5.7	5.3	[5.2]	5.0	7.5	-	1.3
Nitrogen content (%)	1.55	1.54	1.52	1.58	1.50	1.51	1.57	-	1.60	1.56	[1.63]	-	-	1.58	1.50	[1.60]	1.52	1.53	-	0.07

P1, P2 = first and second year of recommendation C = yield control
 * = variety no longer in trials [] = limited data
 Y = suited to that market [Y] = may be suited to that market [T] = Under test for IBD approval in this segment
 F = Full IBD approval P = Provisional IBD approval

Growers are strongly advised to check with their buyer before committing to a malting variety without 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
 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

Varieties no longer listed: Cellar, Rebecca and Riviera

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Other varieties not added to the RL

Cairn	Yard	Benchmark	Mirage	Tantan
-	-	-	-	-
105	104	101	101	99
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
67.7	67.6	67.0	68.5	67.5
1.5	1.6	1.7	1.6	1.4
4.8	5.2	5.2	5.2	4.8
1.64	1.55	1.58	1.56	[1.62]

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YIELD, AGRONOMY AND DISEASE RESISTANCE

	RECOMMENDED												P1	*P2	*	*	*	*C	*	
	P1	P2	P2	C	C	C	C	C	C	C	C	C	P1	*P2	*	*	*	*C	*	
	Propino	Quench	Concerto	Publican	Forensic	NFC-Tipple	Belgravia	Westminster	Oxbridge	Optic	Decanter	Garner	Waggon	Cropton	Sweeney	Scout	Jolika	Cocktail	Doyen	Average LSD (%)
End-use group	Malting varieties												Feed varieties							
Scope of recommendation	UK	UK	UK	UK	UK	UK	UK	UK	UK	UK	North	UK	UK	UK	UK	NE	UK	UK	UK	
Fungicide treated grain yield as % treated control																				
UK with fungicide (7.2 t/ha)	108.2	106.5	104.6	103.7	103.0	103.0	101.7	101.1	97.8	96.5	#	107.8	106.5	105.3	104.9	104.5	104.3	101.7	101.4	2.4
North East region with fungicide (7.3 t/ha)	107	105	103	103	103	103	100	101	97	97	94	107	107	105	105	107	104	102	101	3.2
Dry (East) region with fungicide (7.1 t/ha)	[109]	107	109	104	103	103	104	102	98	95	-	[109]	106	108	106	104	106	102	102	4.0
Wet (West) region with fungicide (7.5 t/ha)	[109]	109	103	103	104	102	102	100	100	96	-	[107]	104	103	[104]	-	[104]	102	101	4.9
North West region with fungicide (6.4 t/ha)	-	105	[106]	105	[101]	102	101	102	96	98	[97]	-	109	[108]	103	[100]	[103]	102	104	5.3
Untreated grain yield as % treated control in comparable trials																				
UK without fungicide	97	94	92	94	85	91	94	94	88	80	85	97	92	94	94	93	92	89	92	3.5
Agronomic features																				
Resistance to lodging	7.4	7.5	6.6	6.8	6.5	7.4	6.9	6.3	7.9	7.4	8.3	7.1	8.0	8.8	7.2	6.1	6.6	7.7	8.7	1.2
Straw height (cm)	78	72	79	76	73	70	78	84	75	77	76	76	75	78	73	74	73	71	72	2.1
Ripening (+/- Optic, -ve = earlier)	-1	0	0	+1	0	0	0	+1	0	0	-1	0	-1	+1	0	-1	+1	0	0	0.9
Resistance to brackling	8	8	7	7	8	7	7	6	8	5	8	8	8	9	8	8	8	9	8	1.1
Disease resistance																				
Mildew	8.2	8.6	8.4	8.5	4.1	8.3	8.6	8.7	6.8	5.0	8.8	8.6	8.7	8.5	8.9	7.6	8.6	6.2	6.1	0.6
Yellow rust	-	3.8	-	3.5	-	3.5	7.2	6.4	4.9	8.5	8.1	-	6.5	-	-	2.0	-	4.3	3.6	1.9
Brown rust	5.1	4.0	6.6	4.9	5.8	7.2	6.7	6.1	6.0	7.3	4.6	6.0	5.8	5.5	8.5	6.1	4.1	8.1	8.2	-
<i>Rhynchosporium</i>	6.8	8.0	3.9	7.4	4.9	3.8	7.6	7.7	7.2	4.0	5.9	6.8	3.0	4.5	4.5	4.0	4.8	5.9	6.6	1.7
Barley yellow dwarf virus (BYDV)	-	[6]	[7]	[6]	[7]	[7]	[6]	[6]	[6]	[5]	-	-	[7]	[5]	[7]	[7]	[7]	[7]	[7]	-

P1, P2 = first and second year of recommendation C = yield control

* = variety no longer in trials

[] = 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

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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Other varieties not added to the RL

	Cairn	Yard	Benchmark	Mirage	Tantan
	-	-	-	-	-
	104.5	104.0	101.4	101.2	98.6
	103	104	100	102	96
	[106]	[103]	[103]	[99]	[102]
	[106]	[104]	[102]	[103]	[99]
	-	-	-	-	[100]
	95	92	90	88	87
	8	7	6	8	9
	78	76	74	70	72
	0	+1	-1	-1	-2
	8	7	7	9	8
	9	9	9	9	8
	-	-	-	-	8
	4	5	6	5	5
	6	6	5	4	3
	-	-	-	-	-

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SUPPLEMENTARY DATA

	RECOMMENDED		P1	P2	P2	C	C	C	C	P1	*P2	*	*	*	*C	*	Average LSD (5%)			
	Propino	Quench	Concerto	Publican	Forensic	NFC-Tipple	Belgravvia	Westminster	Oxbridge	Optic	Decanter	Garner	Waggon	Cropton	Sweeney	Scout	Jolika	Cocktail	Doyen	
End-use group	Malting varieties											Feed varieties								
Scope of recommendation	UK	UK	UK	UK	UK	UK	UK	UK	UK	UK	North	UK	UK	UK	UK	NE	UK	UK	UK	
Breeder/ UK contact																				
Breeder	Syn	Syn	Nick	Syn	Syn	Syn	Nick	Nick	Nick	Syn	Nick	Syn	Syn	Syn	Syn	Nick	Syn	Syn	Syn	
UK contact	Syn	Syn	Nick	Syn	Syn	Syn	Nick	Nick	Nick	Syn	Nick	Syn	Syn	Syn	Syn	Nick	Syn	Syn	Syn	
Grain yield as % treated control																				
2005 treated (7.1 t/ha)	-	109	-	107	-	102	102	101	98	97	92	-	106	-	108	107	104	102	102	3.5
2006 treated (6.8 t/ha)	-	106	107	105	101	103	101	99	100	98	95	-	104	104	105	107	105	100	99	3.5
2007 treated (7.0 t/ha)	107	106	106	104	102	104	103	104	94	96	93	109	108	110	105	104	102	102	102	3.3
2008 treated (7.4 t/ha)	[106]	104	105	101	104	102	103	102	98	96	[96]	[105]	108	104	105	[107]	107	102	103	3.4
2009 treated (7.3 t/ha)	111	108	103	103	104	103	101	100	98	98	[93]	109	107	105	-	[105]	-	102	-	3.9
Malting quality																				
Hot water extract (l deg/kg)	313.0	312.9	315.8	312.2	312.9	311.5	312.2	-	312.9	311.5	310.3	-	-	311.1	312.7	309.9	314.6	312.5	-	2.1

Other varieties not added to the RL

Cairn	Yard	Benchmark	Mirage	Tartan
-	-	-	-	-
Syn	Syn	Nick	Nick	Nick
Syn	Syn	Nick	Nick	Nick
-	-	-	-	99
-	-	-	-	98
107	106	102	101	-
[102]	[101]	[102]	[101]	-
104	105	101	102	99
310.5	312.4	311.8	312.7	312.7

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

Key to breeder/UK contact codes:

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

Syn = Syngenta Seeds (www.newfarmcrops.co.uk)

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