



HGCA RECOMMENDED LIST LATE AUTUMN SOWN WHEAT 2004/05

	C				P2		P2		*	*	C		C		P2			P2		P2		P2		Average LSD				
	X119	Malacca	Hereward	Paragon +	Einstein	Tybalt +	Charger	Option	Morph +	Wallace +	Chablis +	Solstice	Ashby +	Deben	Robigus	Claire	Consort	Wizard	Belvoir +	Richmond	Napier	Tanker	Access	Average LSD				
Recommendation	Nabim Group 1				Nabim Group 2								Nabim Group 3					Nabim Group 4										
Scope of recommendation	UK				UK				UK	UK	UK	UK	UK						UK									
Main market options																												
Nabim Group	1	1	1	1	2	2	2	2	2	2	2	2	2	3	3	3	3	3	4	4	4	4	4	4	4	4	4	
UK yield as % treated control																												
UK yield with fungicide (9.0 t/ha)	106	101	96	95	(108)	106	105	105	104	104	103	103	102	109	(108)	105	104	(104)	114	(109)	106	106	106	105	105	6.6		
Grain quality																												
Endosperm texture	Hard	Hard	Hard	Hard	Hard	Hard	Hard	Hard	Hard	Hard	Hard	Hard	Hard	Soft	Soft	Soft	Soft	Soft	Hard	Hard	Hard	Hard	Hard	Hard	Hard			
Protein content (%)	11.9	12.3	13.0	13.0	-	12.7	11.9	12.6	12.4	12.2	12.6	(12.3)	12.8	11.2	-	11.8	11.8	-	11.6	(11.9)	11.7	12.0	(11.3)	0.6				
Hagberg Falling Number	264	299	211	302	-	280	196	261	261	246	319	(261)	256	191	-	226	205	-	194	(242)	138	255	(181)	49				
Specific weight (kg/hl)	75.1	75.2	78.5	77.4	-	76.1	75.2	78.0	75.8	76.1	78.0	(77.6)	78.5	75.5	-	76.0	76.7	-	76.2	(78.1)	74.5	74.8	(73.9)	1.5				
Agronomic features																												
Resistance to lodging with PGR	(8)	9	(9)	7	-	6	(7)	8	8	8	5	(9)	8	5	-	8	9	-	9	(9)	8	9	(9)	3.5				
Straw height with PGR (cm)	(79)	75	-	92	(75)	86	-	79	78	80	85	(78)	84	79	(75)	78	75	(72)	77	-	71	71	(69)	3.4				
Ripening (+/- Chablis, -ve = earlier)	+2	+1	+2	+1	(+3)	-2	+2	+2	+1	+1	0	+3	0	+3	(+4)	+2	+3	(+4)	0	-	+2	+3	+4	3.5				
Latest safe sowing date #	(End Feb)	End Jan	End Jan		(End Jan)	End Jan	End Feb				(End Jan)			Mid Feb	(End Feb)	End Feb	End Jan	(End Jan)		-	End Jan	End Jan	End Jan					
Disease resistance																												
Mildew	8	7	5	7	7	(9)	8	4	(8)	(7)	4	4	(7)	6	9	4	6	7	(6)	5	7	6	7					
Yellow rust	9	9	5	9	5	9	7	9	9	9	9	9	9	9	3	9	5	4	9	7	4	5	4					
Brown rust	7	7	6	9	6	9	4	6	8	9	6	4	8	5	9	8	4	9	9	9	9	6	8					
Septoria nodorum	5	7	7	(8)	6	-	6	6	(8)	(8)	(7)	6	(7)	7	8	7	5	6	-	6	6	5	6					
Septoria tritici	6	5	6	6	5	6	5	5	4	7	5	5	5	6	7	6	4	5	5	5	5	4	5					
Year first listed	02	99	91	99	03	03	97	01	01	01	95	02	01	01	03	99	95	03	03	03	00	01	02					

P2 second year of recommendation + = Spring wheat. * Variety no longer in trials C = Yield control () = Limited data

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

Latest safe sowing date is the advised latest date to give sufficient cold for flowering. Spring wheats have no vernalisation requirement.

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

Data for winter wheat varieties is given for comparison only and do not constitute a Recommended List.

There are insufficient data to provide late autumn listings for newer winter wheat varieties and their absence from the list does not imply they are unsuitable for late autumn sowing.



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SUPPLEMENTARY DATA

	C				P2		P2		*		*		C		C		P2			P2		P2		P2		P2		P2		P2		P2		P2		P2	
	Xi19	Malacca	Hereward	Paragon +	Einstein	Tybalt +	Charger	Option	Morph +	Wallace +	Chablis +	Solstice	Ashby +	Deben	Robigus	Claire	Consort	Wizard	Belvoir +	Richmond	Napier	Tanker	Access	Average LSD	5%												
Recommendation	Nabim Group 1				Nabim Group 2								Nabim Group 3					Nabim Group 4																			
Scope of recommendation	UK				UK								UK					UK																			
Breeder/ Agent																																					
Breeder	Adv	CPB	Mon	Mon	Nick	Zel	Mon	Mon	Nick	Mon	CPB	Adv	CPB	Nick	CPB	Nick	Mon	CPB	CPB	Ceb	Mon	Els	CPB														
Agent	Adv	CPB	Mon	Mon	Nick	Ceb	Mon	Mon	Nick	Mon	CPB	Adv	CPB	Nick	CPB	Nick	Mon	CPB	CPB	Ceb	Mon	Els	CPB														
Annual yield as % control																																					
1999 treated (8.7 t/ha)	-	97	95	96	-	-	108	-	105	108	100	-	104	-	-	105	103	-	-	-	106	-	-	-	5.7												
2000 treated (9.7 t/ha)	-	106	99	96	-	106	107	107	104	104	103	-	102	112	-	111	108	-	117	-	108	110	-	4.5													
2001 treated (7.8 t/ha)	(110)	105	(97)	91	-	107	(99)	(105)	(101)	(102)	105	(101)	(104)	(113)	-	(103)	106	-	111	(109)	(107)	(103)	(105)	8.3													
2002 treated (8.8 t/ha)	(103)	102	-	95	(111)	(109)	(108)	(106)	(109)	(103)	105	(102)	(100)	(106)	(105)	104	-	(105)	(115)	-	(105)	(108)	(108)	11.36													
2003 treated (10.3 t/ha)	(104)	(95)	-	(96)	(101)	(103)	-	(101)	(101)	(100)	(104)	(101)	(100)	(104)	(107)	(100)	(100)	(100)	(111)	(105)	(103)	(100)	(100)	5.4													
Agronomic features																																					
Lodging % with PGR	1.2	0.5	0.4	2.3	0	6.3	2.7	0.9	1.4	1.1	7.5	0.1	1.2	7.9	0	0.8	0.3	0	0.1	0.6	1.3	0.3	0.1														

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

() Limited data

Key to breeder/agent codes:

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

Ceb = Cebeco Seed Innovations Ltd (info@cebeco-seeds.co.uk)

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

Els = Elsoms Seeds Ltd (www.elsoms.com)

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

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

Zel = Zelder BV, Netherlands