

HGCA Recommended List[®] late autumn sown wheat 2010/11

	P2		*	C		P2	P2	C		C	P2	*	P2	*	*	P2		P2		P2		P2		P2		Average LSD (5%)					
	Gallant	X19	Solstice	Paragon +	Ketchum	Panorama	Einstein	Battalion	Tybalt +	Cordiale	Ashby +	Oplus	Marksman	Robigus	Scout	Zebedee	Claire	Oakley	JB-Diego	Glasgow	Viscount	Belvoir +	Humber	Istabraq	Cassius	Gladiator	Duxford	Alchemy	Grafton	Zircon + \$	Average LSD (5%)
Recommendation	nabim Group 1				nabim Group 2								nabim Group 3				Group 4														
Scope of recommendation	-	-	-	UK	-	-	-	-	UK	-	UK	-	-	-	-	-	-	-	-	-	-	UK	-	-	-	-	-	-	-	Sp	
UK yield as % treated control																															
UK yield with fungicide (9.1 t/ha)	[105]	103	102	95	[109]	[106]	[104]	103	103	103	102	[100]	99	[105]	[105]	104	[97]	110	109	109	[109]	108	107	[106]	[106]	[105]	105	103	[100]	101	7.2
Grain quality																															
Endosperm texture	Hard	Hard	Hard	Hard	Hard	Hard	Hard	Hard	Hard	Hard	Hard	Hard	Hard	Soft	Soft	Soft	Soft	Hard	Hard	Soft	Soft	Hard	Hard	Soft	Soft	Hard	Hard	Soft	Hard	Hard	
Protein content (%)	[11.8]	11.7	12.3	12.8	[11.7]	[12.0]	[12.2]	[12.4]	12.3	[12.4]	12.8	[12.9]	[12.5]	[11.3]	[12.3]	11.4	[11.5]	[11.1]	[11.4]	11.2	[11.7]	11.5	[11.6]	[10.8]	[11.3]	[11.9]	[11.6]	11.6	[11.9]	12.8	0.7
Hagberg falling number	[293]	291	284	282	[208]	[219]	[254]	[201]	293	[304]	280	[186]	[248]	[188]	[212]	259	[233]	[175]	[301]	182	[135]	224	[296]	[174]	[164]	[247]	[248]	238	[238]	181	70
Specific weight (kg/hl)	[77.1]	74.6	76.7	77.9	[76.5]	[76.1]	[76.3]	[73.6]	76.0	[78.1]	78.5	[75.7]	[75.5]	[75.5]	[77.2]	73.4	[74.4]	[74.1]	[75.8]	75.9	[74.5]	77.0	[75.8]	[76.9]	[73.5]	[76.0]	[73.4]	75.7	[76.8]	78.0	2.0
Agronomic features																															
Lodging %	-	11.9	2.7	10.4	-	-	-	1.8	12.4	-	8.7	-	4.8	-	-	10.7	-	3.4	3.1	4.8	-	4.8	1.0	-	-	-	1.9	4.6	-	2.6	
Straw height with PGR (cm)	[79]	87	85	104	[85]	[84]	[80]	81	94	[75]	92	[83]	[80]	[83]	[83]	[84]	[83]	78	[84]	[77]	[77]	86	79	[88]	[80]	[75]	[86]	85	[72]	89	5.5
Ripening (+/- Paragon, -ve = earlier)	[0]	[0]	[-1]	[0]	[-1]	[0]	-	[+1]	[0]	[-2]	[0]	[-1]	[0]	-	[+2]	[+1]	-	[0]	[0]	[0]	[0]	[0]	[+1]	-	[+1]	-	[0]	[+2]	[-1]	[0]	2.4
Latest safe sowing date #	[End Jan]	End Feb	End Jan	-	[End Feb]	[End Feb]	End Jan	End Jan	-	End Jan	-	[End Jan]	End Jan	End Feb	[End Jan]	End Jan	End Feb	Mid Feb	End Jan	End Feb	[End Jan]	-	End Jan	End Feb	[End Jan]	End Jan	End Feb	Mid Feb	-	-	
Disease resistance																															
Mildew	6	6	4	7	8	7	6	8	8	6	7	5	8	6	6	6	4	5	6	5	6	6	5	5	6	7	6	7	7	7	
Yellow rust	4	9	4	9	4	9	5	6	7	6	9	6	5	2	9	9	9	2	6	5	4	9	8	9	9	9	5	9	7	9	
Brown rust	4	6	3	8	5	4	5	8	9	3	6	7	8	6	9	3	5	6	4	3	9	8	5	4	8	5	4	4	3	6	
Septoria tritici	5	5	5	6	6	6	5	5	6	5	5	6	6	6	6	6	6	6	6	5	6	5	5	5	5	5	5	7	6	5	
Year first listed	09	02	02	99	09	09	03	07	03	04	01	09	08	03	09	07	99	07	08	05	09	03	07	04	09	04	08	06	09	07	

P2 = second year of listing

* = variety no longer in trials

C = yield control

Sp = Specific recommendation

[] = limited data

+ = spring wheat

\$ = Zircon is specifically recommended as a white-grained wheat. nabim do not class it as a bread-making variety

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)

Data for winter wheat varieties is given for comparison only and do not constitute a Recommended List but the data are directly comparable with those for spring wheat

There are insufficient data for newer winter wheat varieties and their absence from the table does not imply that they are unsuitable for late-autumn sowing

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

Variety no longer listed: Ambrosia, Consort, Deben, Gatsby, Malacca, Mascot, Soissons and Timber

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SUPPLEMENTARY DATA

	P2		*	C	P2	P2	C	C	C	P2	*	P2	*	*	P2	P2	P2	P2	P2	P2	P2	P2	P2	P2	Average LSD (5%)							
	RECOMMENDED																															
	Gallant	Xi19	Solstice	Paragon +	Ketchum	Panorama	Einstein	Battalion	Tybalt +	Cordiale	Ashby +	Qplus	Marksman	Robigus	Scout	Zebedee	Claire	Oakley	JB-Diego	Glasgow	Viscount	Belvoir +	Humber	Istabraq	Cassius	Gladiator	Duxford	Alchemy	Grafton	Zircon +		
Recommendation	nabim Group 1			nabim Group 2						nabim Group 3			Group 4																			
Scope of recommendation	-	-	-	UK	-	-	-	-	UK	-	UK	-	-	-	-	-	-	-	-	-	-	UK	-	-	-	-	-	-	-	-	Sp	
Breeder/ UK contact																																
Breeder	Syn	Nick	Nick	RAGT	Syn	Nick	Nick	RAGT	Wier	KWS	KWS	Nick	RAGT	KWS	Sen	Nick	Nick	KWS	Breun	SU	KWS	KWS	KWS	Nick	Nick	RAGT	Syn	Nick	KWS	KWS		
UK contact	Syn	Nick	Nick	RAGT	Syn	Nick	Nick	RAGT	Nick	KWS	KWS	Nick	RAGT	KWS	Sen	Nick	Nick	KWS	Sen	SU	KWS	KWS	KWS	Nick	Nick	RAGT	Syn	Nick	KWS	KWS		
Annual yield as % control																																
2005 treated (8.9 t/ha)	-	[109]	[103]	[96]	-	-	[107]	-	[101]	[105]	[104]	-	-	[110]	-	[109]	[96]	-	-	[113]	-	[112]	-	[111]	-	[110]	-	[111]	-	[103]	8.5	
2006 treated (9.0 t/ha)	-	[103]	[99]	[95]	-	-	[102]	[103]	[103]	[100]	[102]	-	-	[100]	-	[105]	[92]	[104]	-	[105]	-	[106]	[104]	[102]	-	[100]	-	[98]	-	[101]	9.0	
2007 treated (8.1 t/ha)	-	[91]	-	[93]	-	-	[96]	[108]	-	[99]	-	[90]	-	-	[87]	-	[97]	[97]	[97]	-	[100]	[96]	-	-	-	[88]	[92]	-	[102]	8.8		
2008 treated (10.5 t/ha)	[111]	[107]	[108]	[96]	[110]	[109]	[108]	[105]	[102]	-	[102]	[103]	[103]	[109]	[106]	[110]	[110]	[116]	[116]	[114]	[111]	[111]	[111]	-	[110]	-	[112]	[107]	[107]	[102]	8.6	
2009 treated (8.8 t/ha)	[103]	[101]	[102]	[95]	[113]	[108]	-	[107]	[102]	[103]	[103]	[102]	-	[108]	-	-	-	[116]	[110]	-	[111]	[109]	[114]	-	[108]	-	[110]	[105]	[99]	[98]	6.0	

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

Key to breeder/agent codes:

Breun = Saatzucht Josef Breun

Sen = Senova (www.senova.uk.com)

KWS = KWS UK (www.kws-uk.com)

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

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

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

RAGT = RAGT Seeds (www.ragt.co.uk)

Wier = Landbouwbureau Wiersum BV

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