

# HGCA Recommended List<sup>®</sup> late autumn sown wheat 2011/12



	P1		C	P1	P2	P2	C	C	P2	P2	*	P2	*	P2	*	Average LSD (5%)																
	Gallant	Mulika +	Solstice	Paragon +	Ketchum	KWS Willow +	Panorama	Kingdom	KWS Sterling	Tybalt +	Battalion	Einstein	Ashby +	Cordiale	Invicta	Warrior	Scout	Viscount	Glasgow	Beluga	Cassius	Alchemy	Conqueror	Oakley	JB Diego	Belvoir +	Humber	Duxford	Grafton	Zircon + \$	Average LSD (5%)	
Recommendation	nabim Group 1				nabim Group 2				nabim Group 3				Soft Group 4				Hard Group 4				Other											
Scope of recommendation	UK	UK	UK	UK	UK	UK	UK	E&W	UK	UK	UK	UK	UK	UK	UK	Sp	UK	UK	UK	UK	North	UK	UK	UK	UK	UK	UK	UK	UK	UK	Sp	
UK yield as % treated control																																
UK yield with fungicide (8.7 t/ha)	104	[101]	100	95	109	[108]	105	[104]	[104]	104	102	[102]	101	[101]	[108]	[105]	103	[107]	107	[107]	[105]	101	112	109	107	106	106	103	[99]	100	7.5	
Grain quality																																
Endosperm texture	Hard	Hard	Hard	Hard	Hard	Hard	Hard	Hard	Hard	Hard	Hard	Hard	Hard	Hard	Soft	Soft	Soft	Soft	Soft	Soft	Soft	Soft	Hard	Hard	Hard	Hard	Hard	Hard	Hard	Hard		
Protein content (%)	[11.5]	[12.2]	[12.1]	12.5	[11.5]	[11.7]	[11.7]	-	-	11.9	[12.2]	[12.3]	12.4	[11.9]	-	-	[12.1]	[11.5]	[11.1]	-	[11.1]	11.5	[11.2]	[10.8]	[11.2]	11.3	[11.4]	[11.3]	[11.7]	12.4	0.9	
Hagberg falling number	[285]	[300]	[260]	279	[199]	[262]	[210]	-	-	292	[192]	[261]	273	[285]	-	-	[204]	[126]	[180]	-	[155]	230	[184]	[166]	[294]	222	[287]	[241]	[230]	179	84	
Specific weight (kg/hl)	[76.8]	[77.0]	[76.2]	77.6	[76.1]	[78.8]	[75.8]	-	-	75.9	[73.2]	[75.9]	78.1	[77.5]	-	-	[76.8]	[74.2]	[75.5]	-	[73.2]	75.0	[73.1]	[73.7]	[75.3]	76.7	[75.3]	[73.0]	[76.5]	77.7	2.4	
Agronomic features																																
Lodging %	-	-	3.3	8.8	-	-	-	-	-	12.8	2.2	-	9.4	-	-	-	-	-	6.8	-	-	6.2	-	4.1	3.7	6.6	1.2	2.3	-	3.2	-	
Straw height with PGR (cm)	[77]	[96]	82	102	[83]	[96]	[82]	[82]	[77]	91	79	[79]	90	[74]	[86]	[79]	[80]	[75]	[74]	[76]	[78]	83	[77]	76	82	84	77	83	[70]	88	6.3	
Ripening (+/- Paragon, -ve = earlier)	[0]	-	[-1]	[0]	[-1]	-	[0]	-	-	[0]	[0]	-	[0]	[-2]	-	-	[2]	[0]	[1]	-	[1]	[2]	[1]	[0]	[0]	[-1]	[0]	[0]	[-1]	[0]	2.8	
Latest safe sowing date #	End	-	End	-	End	-	[End	[Mid	[End	-	End	End	-	End	[Mid	[Mid	End	End	End	[End	End	End	[End	Mid	End	-	End	End	[End	-		
	Jan		Jan		Feb		Feb]	Feb]	Jan]		Jan	Jan		Jan	Feb]	Feb]	Jan	Jan	Feb	Jan]	Jan	Jan	Jan]	Feb	Jan		Jan	Feb	Jan]	-		
Disease resistance																																
Mildew	5	7	4	8	8	8	7	6	7	8	8	6	6	6	6	8	6	7	5	5	7	7	4	6	6	7	5	6	7	7	-	
Yellow rust	5	9	4	9	4	9	9	6	9	6	6	6	9	6	8	9	9	5	5	9	9	9	5	2	6	9	8	5	8	8	-	
Brown rust	4	9	4	8	5	7	4	4	7	9	8	5	7	3	8	9	9	9	4	4	8	5	5	6	4	8	5	4	3	7	-	
Septoria tritici	5	[7]	5	6	6	[6]	6	6	5	6	5	5	5	5	6	7	6	5	5	5	5	7	4	5	6	5	5	5	6	5	-	
Orange wheat blossom midge	-	R	-	-	-	-	-	-	-	-	-	-	-	-	-	R	R	R	R	-	-	-	R	R	-	R	-	-	-	-		
Year first listed	09	11	02	99	09	11	09	10	10	03	07	03	01	04	10	10	09	09	05	10	09	06	10	07	08	03	07	08	09	07		

P1, P2 = first and second year of listing \* = variety no longer sown in late autumn sown trials C = yield control Sp = Specific recommendation  
 [ ] = limited data + = spring wheat

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 are 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 to provide late autumn listings for newer winter wheat varieties and their absence from the table does not imply that they are unsuitable for late-autumn sowing

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

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

R = believed to be resistant to orange wheat blossom midge (OWBM), but this has not been verified in RL tests

® = "HGCA RECOMMENDED LIST" is a registered trademark of AHDB

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## SUPPLEMENTARY DATA

	P1		C	P1		P2	P2	C	C			P2	P2	*	P2	*	P2	*					Average LSD (5%)								
	Gallant	Mulika	Solstice	Paragon	Ketchum	KWS Willow +	Panorama	Kingdom	KWS Sterling	Tybalt	Battalion	Einstein	Ashby	Cordiale	Invicta	Warrior	Scout	Viscount	Glasgow	Beluga	Cassius	Alchemy	Conqueror	Oakley	JB Diego	Belvoir	Humber	Duxford	Grafton	Zircon \$	
Recommendation	nabim Group 1			nabim Group 2														nabim Group 3			Soft Group 4				Hard Group 4				Other		
Scope of recommendation	UK	-	UK	UK	UK	-	UK	E&W	UK	UK	UK	UK	UK	UK	UK	Sp	UK	UK	UK	North	UK	UK	UK	UK	UK	UK	UK	UK	UK	Sp	
Breeder/ UK contact																															
Breeder	Syn	BA	Lim	RAGT	Syn	KWS	Lim	Syn	KWS	Wier	RAGT	Lim	KWS	KWS	Lim	RAGT	Sen	KWS	SU	Sen	Lim	Lim	KWS	KWS	Breun	KWS	KWS	Syn	KWS	KWS	
UK contact	Syn	Sen	Lim	RAGT	Syn	KWS	Lim	Syn	KWS	Lim	RAGT	Lim	KWS	KWS	Lim	RAGT	Sen	KWS	SU	Sen	Lim	Lim	KWS	KWS	Sen	KWS	KWS	Syn	KWS	KWS	
Annual yield as % control																															
2006 treated (9.0 t/ha)	-	-	[99]	[95]	-	-	-	-	-	[103]	[103]	[102]	[102]	[100]	-	-	-	-	[105]	-	-	[98]	-	[104]	-	[106]	[104]	-	-	[101]	8.2
2007 treated (8.1 t/ha)	-	-	-	[93]	-	-	-	-	-	[108]	[96]	-	[99]	-	-	-	-	-	[98]	-	-	[92]	-	[97]	[97]	[100]	[96]	[88]	-	[102]	7.8
2008 treated (10.5 t/ha)	[111]	[98]	[109]	[96]	[110]	[112]	[109]	-	-	[102]	[105]	[109]	[102]	-	-	-	[106]	[111]	[115]	-	[110]	[107]	[116]	[116]	[116]	[111]	[111]	[112]	[107]	[102]	9.5
2009 treated (8.9 t/ha)	[103]	[105]	[102]	[95]	[113]	[112]	[108]	[108]	[109]	[103]	[106]	-	[102]	[103]	[111]	[106]	[108]	[111]	-	[109]	[107]	[105]	[113]	[116]	[110]	[109]	[113]	[110]	[99]	[98]	6.4
2010 treated (6.6 t/ha)	[103]	[102]	[91]	[96]	[109]	[102]	[105]	[102]	[100]	[105]	-	[96]	[99]	[91]	[105]	[104]	[100]	[105]	-	[108]	[102]	[101]	[114]	-	[102]	[102]	-	[101]	[97]	[99]	9.5

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

### Key to breeder/agent codes:

BA = Blackman Agriculture  
 Breun = Saatzucht Josef Breun, Germany  
 KWS = KWS UK (www.kws-uk.com)  
 Lim = Limagrain (www.limagrain.co.uk)  
 RAGT = RAGT Seeds ( www.ragt.co.uk)  
 Sen = Senova (www.senova.uk.com)  
 SU = Saaten Union (www.saaten-union.co.uk)  
 Syn = Syngenta Seeds (www.newfarmcrops.co.uk)  
 Wier = Wiersum BV, Netherlands

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