

HGCA Recommended List[®] late autumn sown wheat 2012/13

	RECOMMENDED													New											Average LSD (5%)				
	Gallant	Mulika +	Soistice	Paragon +	KWS Willow +	Ketchum	KWS Sterling	Panorama	Tybalt +	Battalion	Einstein	Cordiale	Ashby +	Invicta	Warrior	Scout	Viscount	Beluga	Alchemy	Conqueror	KWS Alderon +	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	UK	UK	UK	UK	UK	UK	UK	UK	Sp	UK	UK	UK	UK	UK	UK	UK	UK	UK	UK	UK	UK	UK	Sp	
UK yield as % treated control																													
UK yield with fungicide (9.0 t/ha)	104	[102]	100	95	[110]	108	[105]	104	104	102	[101]	[101]	100	[108]	[105]	103	107	[106]	102	113	[[110]]	107	106	106	104	100	100	7.7	
Grain quality																													
Endosperm texture	Hard	Hard	Hard	Hard	Hard	Hard	Hard	Hard	Hard	Hard	Hard	Hard	Hard	Soft	Soft	Soft	Soft	Soft	Soft	Hard	Hard	Hard	Hard	Hard	Hard	Hard	Hard	Hard	
Protein content (%)	[11.7]	[12.2]	[11.9]	12.4	[11.6]	[11.5]	[11.4]	[11.7]	11.8	[12.1]	[12.3]	[12.1]	12.4	[10.7]	[11.6]	[11.9]	[11.3]	[10.6]	11.3	[11.1]	[12.0]	[11.1]	11.1	[11.3]	[11.2]	[11.6]	12.3	0.8	
Hagberg falling number	[287]	[301]	[246]	293	[251]	[210]	[259]	[213]	288	[204]	[283]	[343]	272	[214]	[174]	[230]	[147]	[132]	237	[200]	[302]	[298]	222	[313]	[246]	[251]	169	70	
Specific weight (kg/hl)	[77.0]	[77.6]	[76.0]	78.3	[79.3]	[76.5]	[75.5]	[75.8]	76.3	[73.6]	[76.3]	[78.5]	78.5	[74.3]	[73.8]	[77.1]	[74.4]	[73.6]	75.4	[73.8]	[77.5]	[75.6]	76.9	[75.6]	[73.6]	[76.6]	79.1	1.9	
Agromomic features																													
Lodging %	-	-	-	8	-	-	-	-	11	3	-	-	14	-	-	-	-	-	8	-	-	5	11	1	3	-	5	1.6	
Straw height with PGR (cm)	76	[94]	81	100	[92]	[81]	[76]	[80]	89	[77]	[79]	[73]	88	[84]	[78]	78	74	[75]	81	75	[81]	80	81	[76]	81	[68]	85	5.5	
Ripening (+/- Paragon, -ve = earlier)	[-1]	-	[-1]	[0]	-	[-1]	[-1]	[0]	[-1]	[-1]	-	[-1]	[0]	[+1]	[0]	[+2]	[0]	[0]	[+1]	[+1]	-	[-1]	[-1]	[0]	[0]	[-1]	[0]	2.4	
Latest safe sowing date #	End	-	End	-	-	End	End	End	-	End	End	End	-	Mid	Mid	End	End	End	End	Mid	-	End	-	End	End	End	End	-	
	Jan		Jan			Feb	Jan	Feb		Jan	Jan	Jan		Feb	Feb	Jan	Jan	Jan	Jan	Feb		Jan		Jan	Feb	Jan			
Disease resistance																													
Mildew	5	7	4	8	8	8	7	7	8	8	6	6	6	4	8	6	7	4	7	3	5	6	7	5	6	7	7	-	
Yellow rust	5	9	4	9	6	5	9	9	7	6	6	7	9	8	8	9	4	9	8	7	8	8	9	8	5	8	9	-	
Brown rust	4	9	4	8	7	5	8	5	9	8	5	3	6	7	8	9	8	4	5	6	8	4	8	5	3	7	-		
Septoria tritici	5	6	5	6	6	6	4	6	6	5	5	5	5	5	7	5	5	5	6	4	6	5	6	5	6	5	6	-	
Orange wheat blossom midge	-	R	-	-	-	-	-	-	-	-	-	-	-	-	R	R	R	-	-	R	-	-	R	-	-	-	-	-	
Staus in RL System																													
Year first listed	09	11	02	99	11	09	10	09	03	07	03	04	03	10	10	09	09	10	06	10	12	08	03	07	08	09	07		
RL Status	-	P2	-	C	P2	*	-	-	C	*	*	-	C	-	-	-	-	-	-	-	P1	-	-	*	-	-	*		

P1, P2 = first and second year of listing

* = variety no longer sown in late autumn sown trials

C = yield control

Sp = Specific recommendation

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

+ = spring wheat

[] = limited data

[[]] = very 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)

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 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

= 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

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SUPPLEMENTARY DATA

	RECOMMENDED													New										Average LSD (\$)					
	Gallant	Mulika +	Solstice	Paragon +	KWS Willow +	Ketchum	KWS Sterling	Panorama	Tyball +	Battalion	Einstein	Cordiale	Ashby +	Invicta	Warrior	Scout	Viscount	Beluga	Alchemy	Conqueror	KWS Alderon +	JB Diego	Belvoir +	Humber	Duxford	Grafton	Zircon + \$	Average LSD (\$)	
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	UK	UK	UK	UK	UK	UK	UK	Sp	UK	UK	UK	UK	UK	UK	UK	UK	UK	UK	UK	UK	Sp	
Breeder/ UK contact																													
Breeder	Syn	BA	Lim	RAGT	KWS	Syn	KWS	Lim	Wier	RAGT	Lim	KWS	KWS	Lim	RAGT	Sen	KWS	Sen	Lim	KWS	KWS	Bruen	KWS	KWS	Syn	KWS	KWS		
UK contact	Syn	Sen	Lim	RAGT	KWS	Syn	KWS	Lim	Lim	RAGT	Lim	KWS	KWS	Lim	RAGT	Sen	KWS	Sen	Lim	KWS	KWS	Sen	KWS	KWS	Syn	KWS	KWS		
Annual yield as % control																													
2007 treated (8.1 t/ha)	-	-	-	[93]	-	-	-	-	[108]	[96]	-	-	[99]	-	-	-	-	-	[92]	-	-	[97]	[100]	[96]	[88]	-	[102]	8.0	
2008 treated (10.5 t/ha)	[112]	[98]	[109]	[96]	[112]	[110]	-	[110]	[102]	[105]	[109]	-	[102]	-	-	[106]	[111]	-	[107]	[116]	-	[116]	[111]	[111]	[112]	[107]	[102]	9.5	
2009 treated (8.9 t/ha)	[103]	[105]	[102]	[95]	[112]	[113]	[109]	[108]	[103]	[106]	-	[103]	[102]	[111]	[106]	[108]	[111]	[109]	[105]	[113]	[109]	[110]	[109]	[113]	[110]	[99]	[98]	6.4	
2010 treated (7.3 t/ha)	[103]	[106]	[92]	[96]	[105]	[109]	[101]	[105]	[105]	-	[97]	[93]	[99]	[105]	[104]	[101]	[106]	[108]	[101]	[114]	[113]	[103]	[104]	-	[102]	[98]	[96]	8.9	
2011 treated (10.2 t/ha)	[101]	-	[98]	-	-	-	[104]	-	-	-	[98]	[100]	-	[105]	[103]	[100]	[104]	[101]	[101]	[112]	-	-	-	-	-	-	-	11.1	

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

Key to Breeder and UK contact codes

BA= Blackman Agriculture

Bruen = Saatucht Josef Bruen, 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)

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

Wier = Wiersum BV, Netherlands

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