

HGCA Recommended List[®] late autumn-sown wheat 2013/14

	*		C		C		*		*		C		*		*		*		*		*		*		*		Average LSD (5%)	
	Gallant	Mulika +	Solstice	Paragon +	KWS Willow +	Tybait +	KWS Sterling	KWS Podium	Cordiale	Ashby +	Cocoon	Invicta	KWS Target	Scout	Tuxedo	Viscount	Beluga	Denman	Alchemy	Gravitas	Conqueror	KWS Santiago	KWS Alderon +	Belvoir +	Zircon + \$			
End-use group	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	EW	UK	UK	UK	UK	UK	UK	UK	UK	UK	UK	EW	UK	UK	UK	Sp		
UK yield as % treated control																												
UK yield with fungicide (8.7 t/ha)	106	103	101	95	112	104	104	[103]	103	101	[107]	106	[105]	104	[102]	108	108	[108]	104	[104]	113	[112]	[111]	110	100	7.0		
Grain quality																												
Endosperm texture	Hard	Hard	Hard	Hard	Hard	Hard	Hard	Hard	Hard	Hard	Soft	Soft	Soft	Soft	Soft	Soft	Soft	Soft	Soft	Soft	Hard	Hard	Hard	Hard	Hard			
Protein content (%)	[11.4]	[12.2]	[11.9]	12.2	[11.4]	11.5	-	-	-	12.3	-	-	-	[12.0]	-	[11.4]	-	-	[11.4]	-	[11.1]	-	[11.9]	10.8	12.4	0.9		
Hagberg Falling Number	[281]	[321]	[247]	297	[257]	288	-	-	-	266	-	-	-	[201]	-	[123]	-	-	[239]	-	[180]	-	[312]	214	163	83		
Specific weight (kg/hl)	[78.0]	[78.3]	[76.8]	79.1	[79.5]	76.5	-	-	-	78.8	-	-	-	[78.1]	-	[75.4]	-	-	[76.9]	-	[74.3]	-	[77.5]	76.8	79.3	1.5		
Agronomic features																												
Lodging % with PGR	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Straw height with PGR (cm)	72	[90]	76	96	[87]	83	[71]	[72]	[68]	84	[88]	[82]	[75]	74	[70]	70	[71]	[71]	77	[78]	71	[79]	[78]	78	82	4.3		
Ripening (+/- Paragon, -ve = earlier)	[0]	-	[-1]	[0]	-	[0]	-	-	-	[0]	-	-	-	[+2]	-	[0]	-	-	[+1]	-	[0]	-	-	[-1]	[+1]	1.8		
Latest safe sowing date #	End	-	End	-	-	-	Mid	Mid	End	-	End	End	Mid	End	Mid	Mid	End	Mid	Mid	End	Mid	End	-	-	-			
	Jan		Jan				Feb	Feb	Jan		Jan	Feb	Feb	Jan	Feb	Feb	Jan	Feb	Feb	Feb	Feb	Jan	Jan					
Disease resistance																												
Mildew	5	[7]	4	8	[8]	8	7	6	6	6	7	5	4	5	7	7	4	5	7	6	3	5	[6]	[6]	[7]	-		
Yellow rust	5	8	4	8	8	7	8	7	6	8	8	8	8	9	9	4	5	4	6	5	6	5	8	7	9	-		
Brown rust	4	7	4	7	7	8	8	7	3	5	9	6	4	8	8	7	4	5	4	5	6	6	7	8	7	-		
Septoria tritici	5	5	5	6	6	6	5	5	5	5	5	5	5	6	6	5	5	5	6	6	4	5	6	5	6	-		
Fusarium ear blight	5	[6]	6	[6]	[6]	[5]	6	6	6	[6]	7	6	5	6	6	6	6	6	7	6	6	6	[6]	6	[6]	-		
Orange wheat blossom midge	-	R	-	-	-	-	-	-	-	-	-	-	R	R	-	R	-	R	-	R	R	R	-	R	-	-		
Status in RL system																												
Year first listed	09	11	02	99	11	03	10	11	04	03	11	10	11	09	11	09	10	11	06	11	10	11	12	03	07			
RL Status	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	P2	-	-	-		

P2 = second year of recommendation

* = variety no longer sown in late autumn-sown trials

C = yield control

Sp = specific recommendation

+ = spring wheat

[] = limited data

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

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

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 (eg 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 list all winter wheat varieties, especially newer ones 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

Late autumn wheat trials are sown between 15th November and 31st December

® = "HGCA RECOMMENDED LIST" is a registered trademark of the Agriculture and Horticulture Development Board

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SUPPLEMENTARY DATA



	*		C		C	*	*		C	*	*	*	*	*	*	*	*	*	*	*	*	*	*					
	Gallant	Mulika +	Solstice	Paragon +	KWS Willow +	Tybalt +	KWS Sterling	KWS Podium	Cordiale	Ashby +	Cocoon	Invicta	KWS Target	Scout	Tuxedo	Viscount	Beluga	Denman	Alchemy	Gravitas	Conqueror	KWS Santiago	KWS Alderon +	Belvoir +	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	UK	UK	UK	EW	UK	UK	UK	UK	UK	UK	UK	UK	UK	UK	UK	EW	UK	UK	UK	Sp	
Breeder/ UK contact																												
Breeder	SCP	BA	Lim	RAGT	KWS	Wier	KWS	KWS	KWS	KWS	Sec	Lim	KWS	Sen	RAGT	KWS	Sen	SCP	Lim	Lim	KWS	KWS	KWS	KWS	KWS	KWS	KWS	
UK contact	SS	Sen	Lim	RAGT	KWS	Lim	KWS	KWS	KWS	KWS	Agr	Lim	KWS	Sen	RAGT	KWS	Sen	SS	Lim	Lim	KWS	KWS	KWS	KWS	KWS	KWS	KWS	
Annual yield as % control																												
2008 treated (10.5 t/ha)	[111]	[98]	[109]	[96]	[112]	[102]	-	-	-	[102]	-	-	-	[106]	-	[111]	-	-	[107]	-	[116]	-	-	[111]	[102]	9.4		
2009 treated (8.9 t/ha)	[103]	[105]	[102]	[95]	[112]	[103]	[109]	-	[103]	[102]	-	[111]	-	[108]	-	[111]	[109]	-	[105]	-	[113]	-	[109]	[109]	[98]	6.8		
2010 treated (7.3 t/ha)	[103]	[105]	[92]	[96]	[105]	[105]	[101]	[99]	[93]	[99]	-	[105]	[106]	[101]	[104]	[106]	[108]	[106]	[101]	[101]	[113]	[113]	[113]	[104]	[96]	8.8		
2011 treated (8.7 t/ha)	-	-	-	[96]	-	[105]	-	-	-	[99]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
2012 treated (7.9 t/ha)	-	[100]	[96]	[92]	[111]	[106]	[95]	[99]	[101]	[102]	[99]	[98]	[99]	-	[95]	-	[106]	[106]	-	[97]	-	[108]	[107]	[112]	[103]	10.1		

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

Key to Breeder and UK contact codes

Agr = Agrii (www.agrii.co.uk)

BA = Blackman Agriculture

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

Lim = Limagrain (www.limagrain.co.uk)

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

SCP = Syngenta Crop Protection (www.syngenta.co.uk)

Sec = Secobra, France

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

SS = Syngenta Seeds (www.syngenta.co.uk)

Wier = Wiersum BV, Netherlands

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