

# HGCA Recommended List<sup>®</sup> Spring Wheat (for late autumn sowing) 2015/16



	C												*	C												C*																			
	nabim Group 1						KWS Willow +						nabim Group 3						Soft Group 4						Hard Group 4																				
End-use group	Gallant	Skyfall	Crusoe	Mulika +	Solstice	Paragon +	KWS Willow +	Panorama	Tyball +	Cubanita	Cordiale	Ashby +	KWS Cashel	Zulu	Monterey	KWS Croft	Delphi	Ioon	KWS Target	Invicta	Scout	Twister	Myriad	Leeds	Viscount	Beluga	Horatio	Cougar	Alchemy	Revelation	Evolution	Dickens	KWS Santiago	KWS Kielder	KWS Alderon +	Conqueror	KWS Gator	Belvoir +	JB Diego	Relay	Grafton	Average LSD (5%)			
Scope of recommendation	-	-	-	UK	-	UK	UK	-	UK	-	-	UK	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	UK	-	-	UK	-	-	-	-	-	-		
UK yield (% treated control)																																													
Fungicide-treated (9.2 t/ha)	[103]	[101]	101	100	96	93	108	[104]	102	[102]	99	98	[98]	[107]	106	106	[105]	[102]	102	101	[98]	[112]	110	109	[106]	105	104	103	[102]	[102]	[110]	109	108	108	106	[105]	105	105	[102]	101	[100]	7.1			
Grain quality																																													
Endosperm texture	Hard	Hard	Hard	Hard	Hard	Hard	Hard	Hard	Hard	Hard	Hard	Hard	Soft	Soft	Soft	Soft	Soft	Soft	Soft	Soft	Soft	Soft	Soft	Soft	Soft	Soft	Soft	Soft	Soft	Soft	Soft	Soft	Soft	Soft	Hard	Hard	Hard	Hard	Hard	Hard	Hard	Hard	Hard	Hard	
Protein content (%)	[10.4]	[9.0]	[10.7]	12.3	[10.6]	12.4	11.6	-	11.9	[9.7]	[10.3]	12.3	[10.0]	[9.0]	[9.1]	[9.8]	[9.4]	-	-	[10.4]	-	-	[10.0]	[9.6]	-	-	-	[9.7]	-	[9.4]	[8.3]	[8.7]	[10.5]	[9.1]	11.9	-	-	11.1	[9.8]	-	-	-	-	1.9	
Hagberg falling number	-	-	-	329	-	300	254	-	307	-	-	280	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	326	-	-	232	-	-	-	-	-	116	
Specific weight (kg/hl)	[76.8]	[77.0]	[77.2]	78.1	[78.6]	78.9	79.2	-	76.2	[78.8]	[78.8]	78.7	[75.9]	[75.3]	[77.4]	[75.5]	[74.0]	-	-	[73.7]	-	-	[75.7]	[76.5]	-	-	-	[72.0]	-	[72.7]	[73.8]	[75.3]	[73.9]	[73.0]	77.3	-	-	76.6	[77.2]	-	-	-	-	3.0	
Agronomic features																																													
Lodging %	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
Straw height with PGR (cm)	[72]	[70]	70	88	75	92	84	[74]	83	[73]	67	82	[73]	[78]	78	76	[77]	[72]	73	81	[72]	[76]	81	79	[70]	70	79	73	[77]	[76]	[75]	78	77	72	77	[70]	75	75	[76]	70	[64]	3.6			
Ripening (+/- Mulika, -ve = earlier)	-	[0]	-	[0]	-	-	[-1]	-	[0]	[0]	[-2]	[0]	[+1]	[+1]	[+3]	[+2]	-	[+2]	-	-	-	[+3]	[+2]	[+3]	-	-	-	[+3]	-	-	[+3]	[+1]	-	[+4]	[0]	-	-	[-1]	-	-	-	-	-	2.3	
Latest safe sowing date #	Mid Feb	End Feb	End Jan	-	End Jan	-	-	End Feb	-	[Mid Feb]	[Mid Feb]	-	[End Jan]	End Feb	End Feb	End Feb	Mid Feb	End Feb	Mid Feb	Mid Feb	Mid Feb	End Feb	Mid Feb	Mid Feb	Mid Feb	End Jan	Mid Feb	End Feb	Mid Feb	End Jan	[Mid Feb]	End Jan	End Jan	End Jan	-	Mid Feb	Mid Feb	-	End Jan	Mid Feb	Mid Feb	-	-		
Disease resistance																																													
Mildew	6	6	7	[7]	4	8	[8]	7	8	6	6	6	8	7	6	8	6	8	4	5	6	4	6	3	[7]	3	7	6	[8]	6	6	8	4	5	6	3	6	[6]	6	6	7	1.3			
Yellow rust	5	6	9	7	4	7	7	7	7	6	5	7	8	9	7	8	8	8	8	9	9	6	8	7	4	6	6	8	7	9	9	9	6	4	7	6	9	7	8	9	6	0.7			
Brown rust	6	8	4	5	5	8	8	6	6	5	4	6	9	4	4	6	7	5	3	6	7	4	5	4	7	3	6	9	4	8	8	8	6	8	6	7	3	9	5	8	4	1.3			
Septoria tritici	4	6	6	5	5	6	6	5	6	5	5	5	5	5	5	5	5	6	5	5	5	5	5	5	5	5	5	7	6	6	6	5	4	5	6	4	5	5	5	6	5	1.2			
Fusarium ear blight	5	6	6	[6]	6	[6]	[6]	6	[5]	6	5	[6]	7	6	6	6	6	6	5	6	6	6	6	7	6	6	6	6	7	7	6	6	6	6	[6]	6	6	[6]	6	6	5	0.3			
Orange wheat blossom midge	-	R	-	R	-	-	-	-	-	-	-	-	-	R	R	R	R	-	R	-	R	R	R	R	R	-	R	R	-	-	-	-	R	R	-	R	R	R	-	-	-				
Status in RL System																																													
Year first listed	09	14	12	11	02	99	11	09	03	14	04	03	14	14	13	13	13	14	11	10	09	14	13	13	09	10	12	13	06	13	14	13	11	13	12	10	12	03	08	12	09	-	-		
RL Status	-	-	-	-	-	*	-	-	-	-	-	*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
Breeder/ UK contact																																													
Breeder	SyP	RAGT	Lim	BA	Lim	RAGT	KWS	Lim	Wier	SyP	KWS	KWS	KWS	Lim	BA	KWS	BA	RAGT	KWS	Lim	Sen	Mom	Lim	Mom	KWS	KWS	Lim	RAGT	Lim	Lim	Sej	Sec	KWS	KWS	KWS	KWS	KWS	KWS	KWS	Wier	RAGT	KWS			
UK contact	Syn	RAGT	Lim	Sen	Lim	RAGT	KWS	Lim	Lim	Syn	KWS	KWS	KWS	Lim	Sen	KWS	Sen	RAGT	KWS	Lim	Sen	KWS	Lim	KWS	KWS	Sen	Lim	RAGT	Lim	Lim	Lim	Agr	KWS	KWS	KWS	KWS	KWS	KWS	KWS	Sen	RAGT	KWS			

Varieties no longer listed: Zircon

+ = spring wheat

Yields are expressed as % of the spring wheat controls. For full information on the late-sown yield performance of winter wheat varieties, please see the winter wheat Recommended List Supplementary data table (page XX).

The data for the spring wheat varieties constitute a Recommended List, the winter wheat data presented do not constitute a Recommended List but are shown to allow direct comparisons with data for the spring wheat varieties.

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

UK = recommended for the UK

E = recommended for the East region

E&W = recommended for the East and West regions

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

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

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

LSD = least significant difference

Average LSD (5%): varieties that are more than one LSD apart are significantly different at the 5% confidence level

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

Bre = SaatZucht Josef Breun, Germany

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

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

Mom = Momont, France

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

Sec = Secobra, France

Sej = Sejet, Denmark

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

Syn = Syngenta UK Ltd (www.syngenta.co.uk)

SyP = Syngenta Participations AG (www.syngenta.co.uk)

Wier = Wiersum, Netherlands

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