





# HGCA Recommended List<sup>®</sup> winter wheat 2012/13

## SUPPLEMENTARY DATA

	New										New										New										New New										
	RECOMMENDED																																								
	Crusoe	Gallant	Solstice	KWS Sterling	Ketchum	Panorama	KWS Podium	Cordiale	Battalion	Einstein	Torch	Cocoon	Invicta	Tuxedo	KWS Target	Warrior €	Scout	Claire	Gravitas	Horatio	Beluga	Denman	Viscount	Alchemy	KWS Santiago	Conqueror	KWS Gator	Relay	JB Diego	Duxford	Stigg	Grafton	Humber	Average LSD (5%)							
End-use group	nabim Group 1					nabim Group 2					nabim Group 3					Soft Group 4					Hard Group 4																				
Scope of recommendation	UK	UK	UK	UK	UK	UK	UK	UK	UK	UK	UK	E&W	UK	UK	UK	Sp	UK	UK	UK	UK	UK	UK	UK	UK	E&W	UK	UK	E&W	UK	UK	UK	UK	UK	UK							
Breeder/ UK contact	Lim	Syn	Lim	KWS	Syn	Lim	KWS	KWS	RAGT	Lim	RAGT	Sec	Lim	RAGT	KWS	RAGT	Sen	Lim	Lim	Sen	Syn	KWS	Lim	KWS	KWS	KWS	RAGT	Bruen	Syn	Lim	KWS	KWS									
UK contact	Lim	Syn	Lim	KWS	Syn	Lim	KWS	KWS	RAGT	Lim	RAGT	Mas	Lim	RAGT	KWS	RAGT	Sen	Lim	Lim	Sen	Syn	KWS	Lim	KWS	KWS	KWS	RAGT	Sen	Syn	Lim	KWS	KWS									
Annual yield (% control)																																									
2007 (9.8 t/ha)	-	103	96	102	98	100	-	98	[91]	98	-	-	102	-	-	98	99	97	-	-	105	-	104	99	-	104	-	-	104	100	-	102	96	3.8							
2008 (11.6t/ha)	-	102	98	103	101	102	100	101	98	99	-	100	102	102	104	101	98	99	104	-	105	106	102	100	108	106	-	-	105	103	104	103	99	2.9							
2009 (10.7 t/ha)	98	93	96	101	102	101	101	95	99	96	105	106	104	106	104	101	99	[100]	106	105	[104]	103	103	100	110	106	105	107	102	102	103	101	100	3.2							
2010 (9.8 t/ha)	100	99	97	103	104	102	100	[98]	[100]	98	106	104	102	102	101	103	99	[96]	104	104	105	103	103	99	106	108	107	106	104	102	101	101	[103]	2.7							
2011 (9.5 t/ha)	100	97	96	106	-	[99]	97	98	-	95	104	108	107	105	102	102	98	[99]	107	105	103	103	105	102	110	111	106	105	105	103	101	99	-	3.2							
Rotational position																																									
First cereal (10.7 t/ha)	99	99	96	103	101	101	99	98	97	97	105	104	104	103	103	101	98	98	105	105	104	104	103	100	108	107	105	105	104	101	102	101	99	2.6							
Second and more (9.0 t/ha)	98	98	98	103	104	102	98	99	101	99	103	105	102	103	100	101	99	96	103	103	105	101	104	99	108	106	108	106	104	103	100	103	100	3.4							
Sowing date (most trials were sown during October)																																									
Before 6 Oct (10.6 t/ha)	100	99	96	103	101	101	100	98	97	97	105	102	104	103	102	102	99	99	105	104	104	104	104	101	108	108	104	105	104	102	103	102	99	2.5							
Late autumn (8.9 t/ha)	-	100	96	[102]	[105]	101	-	[96]	100	-	-	-	[104]	-	-	[101]	99	-	-	-	[103]	-	104	100	-	109	-	-	105	101	-	[96]	104	6.9							
Soil type (about 50% of trials are on medium soils)																																									
Light soils (10.0 t/ha)	-	97	96	102	100	100	99	98	95	98	[102]	103	103	103	101	100	99	96	104	[107]	104	103	104	100	105	108	[108]	[105]	105	101	99	101	100	3.8							
Heavy soils (10.7 t/ha)	100	99	97	103	101	102	99	99	99	97	106	105	105	103	103	102	99	98	105	104	105	103	104	100	109	107	105	105	104	102	103	103	99	2.8							
Agronomic features																																									
Lodging % without PGR	4.2	4.6	2.0	2.9	12.3	2.2	2.5	3.3	5.1	13.2	4.6	17.9	4.3	2.4	2.5	3.4	1.7	4.9	15.6	8.7	0.4	17.9	5.0	4.5	6.0	10.8	3.7	4.6	4.9	1.1	2.4	0.4	0.8								
Lodging % with PGR	7.2	4.5	2.2	1.9	10.2	1.4	3.5	2.7	2.5	10.7	2.1	12.2	5.3	2.5	2.5	4.3	1.9	6.3	8.2	4.4	2.4	5.5	8.7	5.4	6.7	5.4	1.4	3.4	5.0	1.5	1.8	0.6	1.3								
Latest safe sowing date #	-	End	End	End	End	End	[Mid	End	End	End	-	[End	Mid	[Mid	[Mid	Mid	End	End	[End	-	End	[Mid	End	End	[End	Mid	-	-	End	End	[End	End	End	-							
Speed of development to growth stage 31 (days +/- average)																																									
Early Sep sown	-	-4	+1	+1	-4	-2	-2	-4	-1	-6	-	+5	0	+2	-3	-1	+4	+6	-1	-	0	+2	0	0	+8	-3	-	-	0	-3	0	+3	-3	7.2							
Early Oct sown	-	-7	-2	-5	0	-2	-9	-9	0	-7	-	+7	0	0	-4	+3	-1	+4	-7	-	-1	0	+1	+3	+1	-5	-	-	-1	+1	-5	+1	-2	8.6							
Early Nov sown	-	-4	-1	-2	+1	0	-1	-3	-1	-2	-	+4	+2	+1	-3	+3	+2	+4	+3	-	+1	+1	+3	+3	+0	-2	-	-	+1	+2	-1	+1	-1	4.0							

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

[] = limited data

### Key to Breeder and UK contact codes

Breun = Saat-zucht Josef Breun, Germany

Mas = Masstock Arable (www.masstock.co.uk)

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

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

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

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

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

Sec = Secobra, France

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

# = Latest safe sowing date is the advised latest sowing time to give a sufficient cold period for flowering. A dash indicates that there is insufficient data to give a comment and NOT that the variety does not have a vernalisation requirement.

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