

# HGCA Recommended List<sup>®</sup> Winter wheat 2015/16

Winter wheat varieties grown in RL trials in 2014  
but not added to the HGCA Recommended List



	Control varieties					Other varieties					Average LSD (5%)
	KWS Santiago	JB Diego	Invicta	Gallant	Solstice	Jorvik	KWS Tempo	Energise	RGT Scrummage	Ruskin	
<b>Fungicide-treated grain yield (% treated control)</b>											
United Kingdom (10.0 t/ha)	105	102	100	97	96	105	103	103	101	98	3.5
East region (10.0 t/ha)	106	102	99	99	95	104	102	103	101	98	2.0
West region (9.9 t/ha)	105	103	98	99	96	103	101	101	[99]	95	3.0
North region (9.5 t/ha)	105	101	101	95	97	[108]	[101]	[105]	[103]	[97]	3.3
<b>Untreated grain yield (% treated control)</b>											
United Kingdom (10.0 t/ha)	80	87	84	74	73	80	89	75	76	80	6.0
<b>Grain quality</b>											
Endosperm texture	Hard	Hard	Soft	Hard	Hard	Soft	Hard	Soft	Soft	Hard	
Protein content (%)	11.0	11.1	11.3	12.0	11.9	10.3	11.2	10.8	11.1	11.5	0.3
Hagberg Falling Number	155	304	242	305	258	166	312	157	230	311	25
Specific weight (kg/hl)	74.9	77.7	74.8	77.0	77.9	76.3	79.3	75.5	76.5	78.2	0.9
Chopin alveograph W	-	-	84	234	204	[64]	[221]	79	[95]	[216]	31
Chopin alveograph P/L	-	-	0.3	0.9	0.7	[0.3]	[0.9]	0.3	[0.3]	[1.2]	0.2
<b>Agronomic features</b>											
Resistance to lodging without PGR	7	7	7	7	8	6	8	7	7	8	0.9
Resistance to lodging with PGR	7	8	8	8	8	7	8	8	8	8	0.7
Height without PGR (cm)	85	87	88	81	90	92	82	79	80	75	1.7
Ripening (days +/- Solstice, -ve = earlier)	+2	0	+3	-1	0	+3	+3	+1	0	+1	0.7
<b>Disease resistance</b>											
Mildew	4	6	5	6	4	3	8	5	7	7	1.6
Yellow rust	6	8	8	5	4	8	9	7	4	9	0.9
Brown rust	6	5	6	6	5	5	7	3	5	8	1.4
Septoria nodorum	[6]	6	5	5	6	[5]	[6]	[6]	[5]	[6]	0.8
Septoria tritici	4	5	5	4	5	5	5	5	5	5	0.5
Eyespot	5	4	5	5	4	[4]	[7]	[4]	[5]	[6]	1.5
Fusarium ear blight	6	6	6	5	6	7	7	6	6	7	0.4
Orange wheat blossom midge	R	-	-	-	-	R	-	R	-	-	

This table should be read in conjunction with the HGCA Recommended List of Winter Wheat varieties for 2015/16

[ ] = limited data

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

LSD = Least significant difference

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

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