

## AHDB Recommended List - Table 3

# Winter wheat varieties grown in RL trials in 2015 but not added to the AHDB Recommended List

	Control Varieties					Other varieties							Average LSD (5%)
	KWS Santiago	JB Diego	Invicta	Crusoe	Gallant	Butler	RGT Adventure	Sherlock	RGT Pembroke	RGT Marlborough	Mosaic	Amplify	
<b>Fungicide-treated grain yield (% treated control)</b>													
United Kingdom (10.4 t/ha)	105	102	99	98	97	102	101	98	102	101	103	104	3.2
East region (10.3 t/ha)	105	101	98	98	97	102	102	97	102	100	103	105	2.0
West region (10.4 t/ha)	104	103	97	99	98	102	102	98	102	[97]	103	103	2.8
North region (9.5 t/ha)	107	102	101	96	95	[104]	[98]	[98]	[105]	[108]	[101]	[102]	3.9
<b>Untreated grain yield (% treated control)</b>													
United Kingdom (10.4 t/ha)	75	84	78	85	68	80	79	85	73	77	87	72	5.8
<b>Grain quality</b>													
Endosperm texture	Hard	Hard	Soft	Hard	Hard	Hard	Hard	Hard	Soft	Soft	Soft	Hard	
Protein content (%)	11.0	11.1	11.3	12.4	11.9	11.5	11.5	11.7	10.9	11.2	10.9	11.5	0.3
Hagberg Falling Number	157	303	243	260	303	282	242	248	217	185	173	242	21
Specific weight (kg/hl)	75.3	77.8	74.9	77.5	77.1	76.7	76.7	79.1	77.6	76.1	77.2	77.6	0.8
Chopin alveograph W	-	-	79	228	232	206	245	[245]	104	79	-	229	31
Chopin alveograph P/L	-	-	0.3	0.6	0.9	0.6	0.9	[1.0]	0.4	0.3	-	0.8	0.2
<b>Agromomic features</b>													
Resistance to lodging without PGR	7	7	7	7	7	[7]	[7]	[7]	[6]	[6]	[7]	[7]	1.0
Resistance to lodging with PGR	7	8	8	8	8	8	8	8	7	7	8	8	0.7
Height without PGR (cm)	87	88	89	81	82	85	87	87	80	92	82	90	1.9
Ripening (days +/- JB Diego, -ve = earlier)	+2	0	+3	+1	-2	+2	0	0	+1	+1	+1	+1	0.7
Resistance to sprouting	5	7	7	6	6	[6]	[6]	[7]	[6]	[5]	[4]	[6]	0.9
<b>Disease resistance</b>													
Mildew	4	6	5	7	6	9	7	5	5	8	5	7	1.8
Yellow rust	6	7	8	9	4	6	5	9	5	8	8	4	0.7
Brown rust	6	6	6	3	7	5	5	9	5	9	4	6	1.5
Septoria nodorum	5	5	[5]	[6]	5	[6]	[4]	[6]	[5]	[5]	[6]	[5]	0.7
Septoria tritici	4	5	5	6	4	6	5	6	5	5	5	5	0.6
Eyespot	5	4	5	4	5	[5]	[4]	[4]	[9]@	[4]	[4]	[3]	1.7
Fusarium ear blight	6	6	6	6	5	6	5	6	6	6	6	6	0.4
Orange wheat blossom midge	R	-	-	-	-	-	-	R	R	R	R	R	

This table should be read in conjunction with the AHDB Recommended List of Winter Wheat varieties for 2016/17

[ ] = limited data

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

@ believed to carry the *Pch1* Rendezvous resistance gene to eyespot 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.