

AHDB Recommended List - Table 3

Winter wheat varieties grown in RL trials in 2016 but not added to the AHDB Recommended List

	Control Varieties				Other varieties									Average LSD (5%)
	Skyfall	Crusoe	Zulu	KWS Santiago	JB Diego	LG Cassidy	Stratosphere	RGT Knightsbridge	RGT Westminster	LG Bletchley	Marlowe	RGT Paddington	Marston	
Fungicide-treated grain yield (% treated control)														
United Kingdom (10.7 t/ha)	101	97	99	103	100	101	105	104	103	101	105	104	102	2.7
East region (10.8 t/ha)	100	97	99	104	100	102	105	104	103	101	105	104	102	3.1
West region (10.7 t/ha)	101	98	98	102	101	101	104	104	103	101	106	103	101	3.4
North region (9.9 t/ha)	101	93	102	104	100	[99]	[106]	[106]	[102]	[101]	[106]	[[103]]	[101]	4.3
Untreated grain yield (% treated control)														
United Kingdom (10.7 t/ha)	82	77	76	69	77	76	83	77	82	86	78	72	85	6.2
Grain quality														
Endosperm texture	Hard	Hard	Soft	Hard	Hard	Hard	Soft	Soft	Soft	Soft	Hard	Hard	Hard	
Protein content (%)	11.9	12.5	11.3	11.1	11.2	11.4	10.8	10.8	11.3	11.3	11.0	11.2	11.4	0.3
Protein content (%) - Milling spec	13.1	13.8	12.5	12.5	12.4	12.5	12.0	12.0	12.5	12.6	12.4	12.3	12.8	0.3
Hagberg Falling Number	291	262	233	168	309	242	208	244	181	191	234	197	308	22
Specific weight (kg/hl)	77.9	77.3	75.6	75.1	77.4	77.2	72.7	72.6	74.9	76.0	76.0	76.4	76.8	0.7
Chopin alveograph W	[265]	215	97	-	-	179	[56]	71	129	104	-	[124]	165	26
Chopin alveograph P/L	[1.6]	0.6	0.3	-	-	0.5	[0.6]	0.4	0.5	0.4	-	[0.8]	0.8	0.2
Agronomic features														
Resistance to lodging without PGR (1-9)	8	7	6	7	7	7	7	7	7	7	6	7	7	0.8
Resistance to lodging with PGR (1-9)	8	8	7	7	8	8	7	7	8	8	6	8	8	0.7
Height without PGR (cm)	82	81	89	86	88	85	88	84	83	84	91	83	87	2.2
Ripening (days +/- JB Diego, -ve = earlier)	0	0	+1	+1	0	0	0	+1	+1	0	+1	0	+1	0.7
Resistance to sprouting (1-9)	4	6	6	5	7	-	-	-	-	-	-	-	-	0.9
Disease resistance														
Mildew (1-9)	6	7	7	5	6	5	7	4	6	4	8	4	9	2.1
Yellow rust (1-9)	6	9	5	6	5	9	7	6	8	8	7	7	9	1.0
Brown rust (1-9)	9	3	4	5	6	4	5	3	6	9	5	5	4	1.3
Septoria nodorum (1-9)	[5]	6	[6]	5	6	[6]	[6]	[6]	[6]	[6]	[6]	[6]	[6]	0.7
Septoria tritici (1-9)	6.0	6.7	5.7	4.3	5.2	5.5	4.9	5.6	5.2	5.4	5.3	5.4	6.8	0.7
Eyespot (1-9)	6@	4	4	4	5	[4]	[4]	[5]	[3]	[4]	[6]@	[3]	[3]	1.5
Fusarium ear blight (1-9)	7	6	6	6	6	6	6	6	6	6	6	6	6	0.5
Orange wheat blossom midge	R	-	R	R	-	-	R	R	-	R	R	-	-	

This table should be read in conjunction with the AHDB Recommended List of Winter Wheat varieties for 2017/18

[] = limited data

[[]] = very 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 95% confidence level.