



WINTER WHEAT 2003

Varieties grown in trials in 2002 but not listed on the 2003 HGCA Recommended List

	C	C	C	C	C	*	*	*	*	*	*	*	*	*	Average LSD 5%	
	Malacca	Option	Consort	Claire	Savannah	Warlock 24	Chardonnay	Tellus	Chatsworth	Goodwood	Arran	Brunel	Carlton	Phlebas	Macro	
	RL controls					Other varieties										
UK treated yield as % control (10.3 t/ha)	97	102	100	100	103	101	98	98	96	101	100	102	101	101	101	
Grain quality																
Endosperm texture	Hard	Hard	Soft	Soft	Hard	Hard	Hard	Hard	Hard	Soft	Soft	Soft	Hard	Hard	Hard	
Protein content (%)	12.1	11.8	11.5	11.6	11.0	11.6	11.7	11.9	12.2	11.4	11.3	11.5	11.8	11.6	11.5	0.21
Hagberg falling number	312	277	224	242	229	282	261	283	280	250	188	276	217	145	243	17.5
Specific weight (Kg/hl)	75.6	78.7	77.3	77.2	77.1	75.8	76.6	78.4	77.5	76.0	76.2	76.0	77.7	74.8	74.8	0.60
1000 grain weight (g)	46.2	47.8	50.4	48.8	56.2	53.4	49.2	52.4	47.1	45.6	49.7	46.6	50.9	48.9	51.2	1.62
Zeleny volume	47.0	46.7	21.5	21.5	21.6	(41.9)	(49.9)	(48.5)	49.1	(27.4)	(27.0)	(20.8)	(22.8)	37.1	37.6	4.8
Chopin alveograph W	203	181	102	95	81	164	199	217	198	105	105	126	81	124	143	20.4
Chopin alveograph P/L	0.9	1.5	0.3	0.3	2.0	0.7	1.0	1.3	1.3	0.4	0.3	0.4	2.6	0.6	0.9	0.24
Fungicide treated grain yield as % treated control																
United Kingdom (10.3 t/ha)	97	102	100	100	103	101	98	98	96	101	100	102	101	101	101	3
North region (9.5 t/ha)	101	107	105	102	109	101	103	100	100	107	103	105	101	103	103	3.8
Dry (East) region (10.2 t/ha)	98	102	101	102	103	105	99	100	97	102	102	105	104	104	104	2.8
Wet (West) Region (9.8 t/ha)	99	103	102	104	104	105	100	102	98	104	103	105	105	103	103	3
Untreated grain yield as % treated control in comparable trials																
United Kingdom	72	76	64	76	68	73	71	74	74	76	69	71	71	73	75	
Agronomic features																
Resistance to Lodging without PGR	7	6	8	7	7	5	8	7	9	8	8	5	7	8	6	1.5
Resistance to lodging with PGR	8	7	9	7	8	7	9	9	9	9	9	8	8	9	7	1.3
Height without PGR (cm)	86	89	87	91	88	96	88	90	87	89	86	87	86	89	89	1.2
Ripening (days +/- Claire, -ve = early)	-1	+1	+2	0	+2	-1	0	-1	0	+1	+2	0	0	+1	0	0.7
Disease resistance																
Mildew	7	4	6	4	8	8	6	6	5	3	6	7	7	7	6	1.0
Yellow rust	9	9	5	9	5	9	5	9	9	7	9	5	6	7	8	(1.1)
Brown rust	7	5	4	8	8	6	8	5	8	8	4	9	6	9	9	(1.5)
<i>Septoria nodorum</i>	7	6	5	7	5	5	6	5	7	7	6	7	6	6	7	(2.5)
<i>Septoria tritici</i>	6	5	4	7	4	5	4	5	6	6	4	5	5	6	6	(0.8)
Eyespot	4	6	7	7	5	8	5	6	5	5	8	4	6	3	4	(3.3)
<i>Fusarium</i> ear blight	6	6	6	7	6	6	5	6	6	4	6	5	7	7	5	(3.5)

This table should be read in conjunction with the 2003 HGCA Recommended List