



## HGCA RECOMMENDED LIST WINTER OATS 2004/05

	P2	P2	P1	P1	C	C		C	P1	P2		
	SW Dalguise	Buffalo #	SW Kinross	Mascani	Gerald	Millennium	Ayr	Jalna	Expression	Hendon	Grafton	Average LSD 5%
Variety type	Conventional husked varieties								Naked varieties			
Scope of Recommendation	UK	Specific	UK	UK	UK	UK	UK	UK	UK	UK	UK	
UK yield as % treated control (7.7 t/ha)												
Fungicide treated	107	106	105	102	102	101	100	97	82	77	71	4.5
Untreated with fungicide	90	98	99	96	91	97	87	85	74	68	67	6.1
Grain quality												
Kernel Content (%)	75.1	70.6	74.2	77.1	72.1	77.1	72.3	75.3	-	-	-	1.2
Specific weight (kg/hl)	54.9	51.0	53.0	55.0	53.5	52.1	54.3	55.2	61.8	60.5	64.5	1.2
Screenings % through 2.0mm	3.6	4.1	3.9	1.4	3.3	2.1	1.5	5.2	30.7	41.7	20.1	6.3
Agronomic features												
Resistance to lodging	7	9	8	7	7	6	7	7	6	9	7	1.1
Straw length (cm)	122	90	135	123	121	123	128	127	136	77	124	3.5
Ripening (days +/- Gerald, -ve = earlier)	-2	0	0	-1	0	0	-3	-1	0	0	-2	1.3
Winter hardiness +	8	6	8	7	8	7	8	7	7	7	7	0.4
Disease resistance												
Mildew	5	2	5	5	4	4	5	6	5	5	5	1.6
Crown rust	3	7	6	8~	6	9~	6	5	6	5	6	1.3
Year first listed	03	03	04	04	93	00	02	98	04	03	00	

P1, P2 first and second year of recommendation

C = Yield control

On the 1-9 scales high figures indicate that a variety shows the character to a high degree (i.e. high resistance)

# Buffalo is a specific recommendation for growers requiring a lodging resistant semi-dwarf variety. It is very susceptible to mildew and its kernel content is lower than that preferred by

+ The winter damage is measured on a scale where scores above 5 indicate only leaf damage and no plant death.

Average LSD (least significant difference) 5%. Varieties that are more than one LSD apart are significantly different at the 5% confidence level.

~ A race of crown rust has been identified which attacks Millennium but so far infection levels in RL trials have been very low. It may also affect Mascani.



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### SUPPLEMENTARY DATA

	P2	P2	P1	P1	C	C		C	P1	P2		Average LSD 5%
	SW Dalguise	Buffalo	SW Kinross	Mascani	Gerald	Millennium	Ayr	Jalna	Expression	Hendon	Grafton	
Variety type	Husked varieties								Naked varieties			
Scope of Recommendation	UK	Specific	UK	UK	UK	UK	UK	UK	UK	UK	UK	
Breeder/ Agent												
Breeder	Sval	IGER	SW	IGER	IGER	IGER	Sera	SW	IGER	IGER	IGER	
Agent	SW	SW	SW	SW	SW	SW	CPB	SW	SW	SW	SW	
Annual yields as % treated control												
UK 1999 treated yield (7.3 t/ha)	-	-	-	-	102	100	103	98	-	-	72	7.4
UK 2000 treated yield (7.9 t/ha)	111	109	-	-	101	101	106	98	-	77	68	5.9
UK 2001 treated yield (7.5 t/ha)	107	106	109	106	103	100	96	97	85	79	72	6.4
UK 2002 treated yield (7.7 t/ha)	112	109	97	99	106	100	103	94	80	81	76	6.5
UK 2003 treated yield (8.4 t/ha)	100	101	104	99	98	104	93	98	80	74	68	4.6
Agronomic features												
Lodging % without PGR	7.7	0	1.6	7.4	4.4	13.9	7.3	10.5	14.3	0	3.2	

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

**Key to breeder/agent codes:**

CPB = CPB Twyford Ltd ([www.cpb-twyford.co.uk](http://www.cpb-twyford.co.uk))

IGER = Institute of Grassland and Environmental Research ([www.iger.bbsrc.ac.uk/igerweb/](http://www.iger.bbsrc.ac.uk/igerweb/))

SW = SW Seed Ltd

Sera = Serasem, France

Sval = Svalof Weibull, Sweden