



HGCA RECOMMENDED LIST® WINTER OATS 2005/06

	SW Dalguise	* Buffalo \$	P2 SW Kinross	C Millennium	P2 Mascani	C Gerald	C Ayr	* Jalna	P2 Expression	Hendon	Grafton	Average LSD 5%
Variety type	Conventional husked varieties								Naked varieties			Average LSD 5%
Scope of Recommendation	UK	Specific	UK	UK	UK	UK	UK	UK	UK	UK	UK	
UK yield as % treated control (7.8 t/ha)												
Fungicide treated	106	105	104	102	101	101	98	96	81	78	71	4.3
Untreated with fungicide	89	97	96	95	94	89	86	84	72	70	65	5.6
Grain quality												
Kernel content (%)	74.7	70.3	73.9	76.8	76.8	71.8	71.8	75	-	-	-	1.2
Specific weight (kg/hl)	54.7	50.7	52.6	51.8	54.4	53.1	53.9	54.9	61.5	60.5	64.1	1.1
Screenings % through 2.0mm	3.7	4.0	3.9	1.9	2.3	2.9	1.9	4.8	28.1	41.9	19.7	4.1
Agronomic features												
Resistance to lodging	7	8	8	6	7	7	7	7	6	9	7	0.7
Straw length (cm)	122	97	127	115	115	117	124	119	129	86	119	4.8
Ripening (days +/- Gerald, -ve = earlier)	-2	0	+1	0	-1	0	-4	-1	0	0	-1	1.1
Winter hardiness #	8	6	7	7	7	8	8	7	7	7	7	0.3
Disease resistance												
Mildew	4	2	6	5	7	5	6	6	6	6	5	1.8
Crown rust	4	6	6	9~	8~	5	6	5	6	5	6	1.1
Year first listed	03	03	04	00	04	93	02	98	04	03	00	

P2 = second year on list

* = variety no longer in trial

C = yield control

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

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

\$ 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 millers.

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

~ 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	C	P2	C	C	*	P2				
	SW Dalguise	Buffalo	SW Kinross	Millennium	Mascani	Gerald	Ayr	Jalna	Expression	Hendon	Grafton	Average LSD 5%	
Variety type										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 2000 treated yield (8.1 t/ha)	108	106	-	98	-	99	103	96	-	75	66	6.0	
UK 2001 treated yield (7.4 t/ha)	107	106	110	100	106	103	96	97	85	79	72	6.6	
UK 2002 treated yield (7.9 t/ha)	109	106	94	97	96	102	100	92	77	79	74	6.6	
UK 2003 treated yield (7.8 t/ha)	102	103	106	106	101	100	95	99	81	73	68	4.8	
UK 2004 treated yield (7.8 t/ha)	106	105	105	104	102	99	98	99	82	86	76	5.6	
Agronomic features													
Lodging % without PGR	10.9	0.3	2.6	17.7	4.8	6.9	16.0	8.6	26.1	0.1	8.8		

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)

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

SW = SW Seed Ltd (www.swseed.co.uk)

Sera = Serasem, France

Sval = Svalof Weibull, Sweden

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