



HGCA RECOMMENDED LIST[®] WINTER OATS 2006/07

	C		C		C	*	*				
	SW Dalguise	SW Kinross	Millennium	Mascani	Gerald	Ayr	Jalna	Expression	Hendon	Grafton	Average LSD 5%
Variety type	Conventional husked varieties							Naked varieties			
Scope of Recommendation	UK	UK	UK	UK	UK	UK	UK	UK	UK	UK	
UK yield as % treated control (8.1 t/ha)											
Fungicide treated	102	101	101	99	98	95	94	79	77	70	3.8
Untreated with fungicide	84	93	92	92	87	82	82	70	69	64	4.4
Grain quality											
Kernel content (%)	74.6	74.1	76.4	76.8	71.9	71.5	75.2	-	-	-	1.0
Specific weight (kg/hl)	54.9	53.2	52.2	54.6	53.5	54.0	55.2	62.1	61.4	64.3	0.9
Screenings % through 2.0mm	2.0	2.3	1.3	0.6	1.7	0.7	3.5	26.4	40.2	15.8	4.1
Agronomic features											
Resistance to lodging	7	7	7	7	7	7	7	6	9	7	0.6
Straw length (cm)	124	134	120	122	120	128	122	135	83	125	4.4
Ripening (days +/- Gerald, -ve = earlier)	-2	+1	0	-1	0	-3	-1	+1	+1	-2	1.0
Winter hardiness #	8	7	7	7	8	8	7	7	7	7	0.3
Disease resistance											
Mildew	3	6	5	6	4	5	6	5	6	4	1.8
Crown rust	4	6	8~	8~	5	6	5	5	4	5	1.0
Year first listed	03	04	00	04	93	02	98	04	03	00	

* = 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.

The winter hardiness 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.

® = "HGCA RECOMMENDED LIST" is a registered trademark of the Home-Grown Cereals Authority.

Variety no longer Listed:

Buffalo



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SUPPLEMENTARY DATA

	C		C		C	*	*				
	SW Dalguise	SW Kinross	Millennium	Mascani	Gerald	Ayr	Jalna	Expression	Hendon	Grafton	Average LSD 5%
Variety type	Conventional husked varieties							Naked varieties			
Scope of Recommendation	UK	UK	UK	UK	UK	UK	UK	UK	UK	UK	
Breeder/ Agent											
Breeder	Sval	SW	IGER	IGER	IGER	Sera	SW	IGER	IGER	IGER	
Agent	SW	SW	SW	SW	SW	CPB	SW	SW	SW	SW	
Annual yields as % treated control											
UK 2001 treated yield (7.7 t/ha)	104	106	97	102	100	93	94	82	76	70	6.4
UK 2002 treated yield (8.2 t/ha)	106	92	95	93	100	97	89	75	77	72	6.3
UK 2003 treated yield (7.9 t/ha)	99	103	104	98	97	92	97	78	71	66	4.5
UK 2004 treated yield (8.2 t/ha)	103	102	101	99	96	94	96	80	83	73	4.9
UK 2005 treated yield (8.9 t/ha)	98	102	105	99	97	97	-	78	77	70	4.2
Agronomic features											
Lodging % without PGR	22.8	12.2	21.2	12.9	18.7	41.0	22.2	51.1	0.1	14.2	

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)

IGER = Institute of Grassland and Environmental Research

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

Sera = Serasem, France

Sval = Svalöf Weibull AB, Sweden

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