



**HGCA**

**RECOMMENDED LIST**

**WINTER OATS 2003**

	P1	P1	*	C	P2	C	C	P1		
	Sw Dalguise	Buffalo #	Kingfisher	Gerald	Ayr	Millennium	Jalna	Hendon	Grafton	Average LSD 5%
<b>Variety type</b>	<b>Conventional varieties</b>							<b>Naked varieties</b>		
Scope of Recommendation	UK	Specific	UK	UK	UK	UK	UK	UK	UK	
<b>UK yield as % treated control (7.48 t/ha)</b>										
Fungicide treated	110	108	104	103	102	100	97	78	72	3.9
Untreated with fungicide	90	98	92	90	87	95	83	68	67	5.9
<b>Grain quality</b>										
Kernel Content (%)	75.5	70.9	75.3	72.7	72.7	77.4	75.8			
Specific weight (kg/hl)	54.7	50.9	52.6	53.5	54.2	52.1	55.2	60.5	64.4	
Sieving % through 2.0mm	3.8	4.7	3.6	4.7	2.0	2.9	6.6	38.8	21.7	
<b>Agronomic features</b>										
Resistance to lodging	(7)	(8)	7	7	(6)	6	7	(9)	8	
Straw length (cm)	122	92	143	122	129	124	128	80	125	
Ripening (days +/- Gerald, -ve = earlier)	-4	-1	-1	0	-4	0	-1	-1	-2	
Winter hardiness +	(7)	(7)	(7)	(7)	(7)	(7)	(7)	(7)	(7)	
<b>Disease resistance</b>										
Mildew	(4)	(2)	5	4	5	6	6	(5)	5	
Crown rust	3	7	7	6	6	9	5	5	6	
Year first listed	03	03	99	93	02	00	98	03	00	

P1, P2 first and second year of recommendation

C = Yield control

\* Variety no longer in trials

On the 1-9 scales high figures indicate that a variety shows the character to a high degree

# 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.

+ No winter significant winter damage has been observed in winter oat RL trials in the last 5 years. However winter oats show lower winter hardiness than other cereals.

Average LSD 5%. Varieties that are more than one LSD apart are significantly different at the 5% confidence level.



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**SUPPLEMENTARY DATA**

	P1	P1	*	C	P2	C	C	P1	
	Sw Dalguise	Buffalo	Kingfisher	Gerald	Ayr	Millennium	Jalna	Hendon	Grafton
<b>Variety type</b>	<b>Conventional varieties</b>							<b>Naked varieties</b>	
Scope of Recommendation	UK	Specific	UK	UK	UK	UK	UK	UK	UK
<b>Breeder/ Agent</b>									
Breeder	Sval	IGER	IGER	IGER	Sera	IGER	Semu	IGER	IGER
Agent	Semu	Semu	Semu	Semu	CPB	Semu	Semu	Semu	Semu
<b>Annual yields as % treated control</b>									
1998 treated (7.18 t/ha)	*	*	100	104	*	100	96	*	77
1999 treated (7.31 t/ha)	*	*	104	102	103	100	98	*	72
2000 treated (7.89 t/ha)	111	109	102	101	106	101	98	77	68
2001 treated (7.47 t/ha)	106	105	103	103	97	101	96	78	73
2002 treated (7.51 t/ha)	112	109	110	106	103	98	95	81	76
<b>Agronomic features</b>									
Lodging % without PGR	4	1	8	3	4	9	10	1	2
Lodging % with PGR	7	1	6	3	6	6	4	1	1

All yields are taken from treated trials receiving a full fungicide and PGR 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/))

Semu = Semundo Ltd ([www.semundo.co.uk](http://www.semundo.co.uk))

Sera = Serasem, France

Sval = Svalof Weibul, Sweden