

HGCA Recommended List[®] Winter Oats 2007/08



	P1	C	P1	C	*						
	Tardis	SW Dalguise	SW Kinross	Brochan	Mascani	Gerald	Ayr	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 (8.3 t/ha)											
Fungicide treated	103	101	100	100	98	98	95	79	77	72	4.1
Untreated with fungicide	90	84	92	88	92	85	82	69	68	64	6.6
Grain quality											
Kernel content (%)	72.2	75.0	74.3	76.5	77.3	72.3	71.7	-	-	-	1.0
Specific weight (kg/hl)	51.5	55.6	53.9	51.8	55.1	54.2	54.3	63.0	62.1	64.9	1.1
Screenings % through 2.0mm	0.0	0.2	0.5	0.0	0.1	0.2	0.7	24.9	46.8	13.4	5.3
Agronomic features											
Resistance to lodging	7	7	7	8	7	7	7	6	9	7	0.4
Straw length (cm)	117	126	135	111	124	123	131	138	80	128	3.5
Ripening (days +/- Gerald, -ve = earlier)	-2	-2	+1	0	-1	0	-3	0	0	-2	1.2
Winter hardiness #	8	8	7	7	7	8	8	7	7	8	0.4
Disease resistance											
Mildew	7	3	6	5	6	4	4	6	6	4	1.2
Crown rust	7	3	7	5	8~	5	5	6	4	6	2.1
Year first listed	07	03	04	07	04	93	02	04	03	00	

* = variety no longer in trial.

C = yield control. Millennium was also a control but is no longer listed.

On the 1-9 scales high figures indicate that a variety shows the character to a high degree (e.g. 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 may affect Mascani.

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

Varieties no longer Listed: Millennium and Jalna.

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SUPPLEMENTARY DATA

	P1		C		P1		C		*		
	Tardis	SW Dalguise	SW Kinross	Brochan	Mascani	Gerald	Ayr	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 and UK contact											
Breeder	IGER	Sen	Sen	IGER	IGER	IGER	Sera	IGER	IGER	IGER	
UK contact	Sen	Sen	Sen	Sen	Sen	Sen	CPB	Sen	Sen	Sen	
Annual yields as % treated control											
UK 2002 treated yield (8.1 t/ha)	-	106	92	-	94	100	97	76	77	72	6.6
UK 2003 treated yield (8.0 t/ha)	-	99	103	-	99	97	92	79	72	66	4.4
UK 2004 treated yield (8.3 t/ha)	102	103	102	99	99	96	94	80	83	72	5.5
UK 2005 treated yield (8.7 t/ha)	[103]	99	100	[103]	98	97	95	77	77	71	5.3
UK 2006 treated yield (8.4 t/ha)	104	100	100	101	99	98	-	83	75	78	6.0
Agronomic features											
Lodging % without PGR	7.2	23.0	9.2	3.4	8.1	13.4	26.9	39.0	0.1	14.6	

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

Sen = Senova Ltd (www.senova.uk.com)

Sera = Serasem, France

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