

HGCA Recommended List[®] Winter Oats 2008/09



	P2		P2	C	C	*				Average LSD (5%)
	Tardis	SW Kinross	Brochan	SW Dalguise	Mascani	Gerald	Expression	Hendon	Grafton	
Variety type	Conventional husked varieties						Naked varieties			
Scope of Recommendation	UK	UK	UK	UK	UK	UK	UK	UK	UK	
UK yield as % treated control (8.2 t/ha)										
Fungicide treated	105	102	101	101	100	99	81	78	74	3.5
Untreated with fungicide	[94]	94	[90]	86	95	87	70	70	66	5.9
Grain quality										
Kernel content (%)	72.7	74.9	77.6	75.4	78.0	72.5	-	-	-	0.9
Specific weight (kg/hl)	49.9	53.0	50.5	54.6	54.5	53.3	63.3	62.6	65.3	1.3
Screenings % through 2.0mm	[0.0]	0.5	[0.0]	0.2	0.1	0.2	23.2	47.8	14.2	6.4
Agronomic features										
Resistance to lodging \$	6	5	7	5	6	6	4	9	6	0.9
Straw length (cm)	112	130	110	123	120	120	133	84	124	2.3
Ripening (days +/- Gerald, -ve = earlier)	[-2]	0	[1]	-2	-1	0	0	0	-2	1.4
Winter hardiness #	8	7	7	8	7	8	7	7	8	0.4
Disease resistance										
Mildew	8	6	4	3	6	4	5	5	4	1.0
Crown rust	7	6	7	3	8 ~	4	5	4	5	1.8
Year first listed	07	04	07	03	04	93	04	03	00	

* = variety no longer in trial.

C = yield control

P2 = second year

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 but infection levels in trials have been low so far

\$ = The lodging scores have been rescaled for 2008. There has been no significant change in the degree of lodging observed

® = "HGCA RECOMMENDED LIST" is a registered trademark of HGCA

Variety no longer Listed: Ayr

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SUPPLEMENTARY DATA

	P2		P2		C		C		*	
	Tardis	SW Kinross	Brochan	SW Dalguise	Mascani	Gerald	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	
Breeder/ UK contact										
Breeder	IGER	Sen	IGER	Sen	IGER	IGER	IGER	IGER	IGER	
UK contact	Sen	Sen	Sen	Sen	Sen	Sen	Sen	Sen	Sen	
Annual yields as % treated control										
UK 2003 treated yield (8.3 t/ha)	-	[105]	-	[101]	[100]	[99]	[81]	[74]	[68]	5.1
UK 2004 treated yield (8.0 t/ha)	-	[102]	-	103	[99]	97	[80]	83	72	6.7
UK 2005 treated yield (8.5 t/ha)	[106]	102	[106]	101	101	99	79	79	72	5.4
UK 2006 treated yield (8.3 t/ha)	106	101	102	101	101	99	84	76	79	6.4
UK 2007 treated yield (7.6 t/ha)	107	101	100	99	98	101	[79]	78	[78]	8.2
Agonomic features										
Lodging % without PGR	4.9	10.4	2.3	16.6	5.4	8.8	29.9	0.3	9.7	
Treated yields with and without PGR as % treated control										
With PGR (8.2 t/ha)	103	102	99	102	99	98	79	79	74	5.0
Without PGR (8.1 t/ha)	[108]	98	[103]	100	101	100	80	79	80	6.8

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

Key to breeder/agent codes:

IGER = Institute of Grassland and Environmental Research

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

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