


# HGCA Recommended List<sup>®</sup> winter oats 2011/12

Recommended varieties											Candidate
	P2		C		C		*	P2		Average LSD (5%)	Bastion
	Balado	Tardis	Dalguise	Brochan	Gerald	Mascani	Hendon	Fusion	Grafton		
Variety type	Conventional husked varieties						Naked varieties				Naked
Scope of Recommendation	UK	UK	UK	UK	UK	UK	UK	UK	UK		-
<b>UK yield as % treated control (8.3 t/ha)</b>											
Fungicide treated	109	103	101	100	100	99	78	78	76	4.1	[76]
Untreated with fungicide	101	100	90	98	95	98	70	68	66	14.8	[66]
<b>Grain quality</b>											
Kernel content (%)	73.3	72.8	75.8	77.9	72.8	78.3	-	-	-	0.8	-
Specific weight (kg/hl)	49.9	49.1	53.9	50.2	52.6	53.8	61.7	63.6	65.1	1.3	[61.9]
Screenings % through 2.0mm	0.5	0.3	0.2	0.3	0.3	0.1	47.7	37.9	17.7	4.4	[27.2]
<b>Agronomic features</b>											
Resistance to lodging	9	7	4	7	5	6	8	9	6	1.3	[4]
Straw length (cm)	91	110	122	108	119	117	84	91	120	5.7	118
Ripening (days +/- Gerald, -ve = earlier)	0	-2	-2	0	0	-1	1	+1	-2	1.5	-1
<b>Disease resistance</b>											
Mildew	4	8	3	5	3	6	5	3	3	-	3
Crown rust	3	7	3	5	4	8 ~	4	3	6	-	[5]
Year first listed	10	07	03	07	93	04	03	10	00		-

P2 = second year of recommendation \* = 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 (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


~ A race of crown rust has been identified which may affect Mascani but infection levels in trials have been low so far

Bastion is a candidate for recommendation in 2011

**Variety no longer listed:** Kinross

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SUPPLEMENTARY DATA											Candidate
Recommended varieties											
	P2	C	C	*	P2						
	Balado	Tardis	Dalguise	Brochan	Gerald	Mascani	Hendon	Fusion	Grafton	Average LSD (5%)	Bastion
Variety type	Conventional husked varieties						Naked varieties				Naked
Scope of Recommendation	UK	UK	UK	UK	UK	UK	UK	UK	UK		-
<b>Breeder/ UK contact</b>											
Breeder	IBERS	IBERS	Sen	Sen	IBERS	IBERS	IBERS	IBERS	IBERS		IBERS
UK contact	Sen	Sen	Sen	Sen	Sen	Sen	Sen	Sen	Sen		Sen
<b>Annual yields as % treated control</b>											
UK 2006 treated yield (8.3 t/ha)	[108]	106	101	102	99	100	76	[74]	79	8.5	-
UK 2007 treated yield (7.6 t/ha)	[105]	107	100	101	102	99	79	[73]	79	10.7	-
UK 2008 treated yield (8.2 t/ha)	[113]	[104]	[104]	[95]	[97]	[100]	[90]	[82]	[76]	19.6	[87]
UK 2009 treated yield (8.4 t/ha)	106	99	100	[102]	102	98	76	76	75	6.6	[80]
UK 2010 treated yield (9.1 t/ha)	107	98	103	99	98	100	75	78	72	5.0	73
<b>Agronomic features</b>											
Lodging % without PGR	0.1	2.6	21.2	2.0	8.9	5.2	0.4	0.1	7.9	-	19.7
<b>Treated yields with and without PGR as % treated control</b>											
With PGR (8.5 t/ha)	107	101	103	98	99	99	77	76	74	4.6	[74]
Without PGR (7.8 t/ha)	[114]	106	98	105	101	101	81	[82]	81	8.9	-

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

## Key to breeder/UK contact codes:

IBERS =Institute of Biological, Environmental & Rural Sciences

Sen = Senova Ltd ([www.senova.uk.com](http://www.senova.uk.com))

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