


HGCA Recommended List[®] winter oats 2010/11

	P1		C	C	C	C		P1			
	Balado	Tardis	Kinross	Dalguise	Brochan	Gerald	Mascani	Hendon	Fusion	Grafton	Average LSD (5%)
RECOMMENDED											
											
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	108	103	100	100	100	99	99	79	77	76	3.7
Untreated with fungicide	[97]	98	94	84	98	92	95	67	[65]	63	10.1
Grain quality											
Kernel content (%)	73.6	72.8	74.9	75.6	78.0	72.7	78.3	-	-	-	0.8
Specific weight (kg/hl)	51.3	49.8	52.8	54.6	50.7	53.2	54.5	62.8	65.0	65.8	1.2
Screenings % through 2.0mm	0.8	0.3	0.5	0.2	0.3	0.3	0.2	46.0	36.4	14.3	4.7
Agronomic features											
Resistance to lodging	[9]	7	5	4	7	6	6	9	[9]	6	0.9
Straw length (cm)	92	111	129	122	109	120	118	84	93	122	3.3
Ripening (days +/- Gerald, -ve = earlier)	+1	-3	0	-3	0	0	-1	+1	+1	-3	1.1
Disease resistance											
Mildew	4	8	5	3	4	3	6	5	3	3	-
Crown rust	3	7	7	3	5	4	8~	4	3	6	-
Year first listed	10	07	04	03	07	93	04	03	10	00	

P1 = first year of recommendation

C = yield control

[] = limited data

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

Variety no longer listed: Expression

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SUPPLEMENTARY DATA

	P1		C	C	C	P1					
	Balado	Tardis	Kinross	Dalguise	Brochan	Gerald	Mascani	Hendon	Fusion	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/ UK contact											
Breeder	IBERS	IBERS	Sen	Sen	IBERS	IBERS	IBERS	IBERS	IBERS	IBERS	
UK contact	Sen	Sen	Sen	Sen	Sen	Sen	Sen	Sen	Sen	Sen	
Annual yields as % treated control											
UK 2005 treated yield (8.5 t/ha)	-	[105]	101	100	[105]	99	100	78	-	72	5.5
UK 2006 treated yield (8.3 t/ha)	[108]	105	101	101	102	99	100	76	[74]	79	8.5
UK 2007 treated yield (7.6 t/ha)	[103]	106	101	98	99	101	97	78	[72]	[78]	10.1
UK 2008 treated yield (8.2 t/ha)	[113]	[104]	[100]	[104]	[95]	[97]	[99]	[90]	[81]	[76]	15.5
UK 2009 treated yield (8.4 t/ha)	[106]	99	98	[100]	[102]	[102]	98	[76]	[76]	[75]	5.6
Agronomic features											
Lodging % without PGR	0.3	3.1	11.7	23.3	2.5	8.5	6.2	0.3	0.2	6.7	0.0
Treated yields with and without PGR as % treated control											
With PGR (8.5 t/ha)	[104]	101	101	101	96	98	98	77	[74]	73	5.0
Without PGR (7.9 t/ha)	[114]	107	98	100	106	102	101	81	[82]	79	6.3

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)

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