

HGCA Recommended List[®] winter oats 2012/13

Recommended varieties

Candidate



	Balado	Dalguise	Gerald	Tardis	Brochan	Mascani ~	Hendon	Fusion	Grafton	Average LSD (5%)	Mason
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	106	101	101	101	99	98	79	78	74	5.0	71
Grain quality											
Kernel content (%)	73.7	76.0	73.2	72.9	78.2	78.3	-	-	-	0.8	-
Specific weight (kg/hl)	50.0	53.9	52.5	49.5	50.2	53.6	62.1	63.6	64.8	1.4	[62.4]
Screenings % through 2.0mm	-	-	-	-	-	-	-	-	-	-	-
Agronomic features											
Resistance to lodging	9	4	6	7	7	6	8	9	6	0.9	[7]
Straw length (cm)	87	116	114	105	104	112	81	88	115	5.9	111
Ripening (days +/- Gerald, -ve = earlier)	+2	-2	0	-2	0	-1	+2	+2	-2	1.8	0
Disease resistance											
Mildew	4	4	3	8	4	6	5	3	4	4.9	5
Crown rust	-	-	-	-	-	-	-	-	-	-	-
Status in RL system											
Year first listed	10	03	93	07	07	04	03	10	00		-
RL status	-	C	C	*	*	C	*	-	-		-

P1 = first year of recommendation

* = variety no longer in trial.

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. 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

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SUPPLEMENTARY DATA

Recommended varieties

Candidate



	Balado	Dalguise	Gerald	Tardis	Brochan	Mascani	Hendon	Fusion	Grafton	Average LSD (5%)	Mason
Variety type	Conventional husked varieties						Naked varieties				Naked
Scope of Recommendation	UK	UK	UK	UK	UK	UK	UK	UK	UK		-
Breeder/ UK contact											
Breeder	IBERS	Sen	IBERS	IBERS	Sen	IBERS	IBERS	IBERS	IBERS		IBERS
UK contact	Sen	Sen	Sen	Sen	Sen	Sen	Sen	Sen	Sen		Sen
Annual yields as % treated control											
UK 2007 treated yield (7.6 t/ha)	[105]	100	102	107	101	99	79	[74]	79	11.3	-
UK 2008 treated yield (8.2 t/ha)	[113]	[104]	[97]	[104]	[95]	[100]	[90]	[82]	[76]	20.4	-
UK 2009 treated yield (8.4 t/ha)	106	100	102	99	[102]	98	76	76	75	7.7	[81]
UK 2010 treated yield (9.1 t/ha)	107	103	98	98	99	99	75	78	72	5.3	[65]
UK 2011 treated yield (7.9 t/ha)	100	101	105	97	99	94	81	78	71	7.6	69
Treated yields with and without PGR as % treated control											
With PGR (8.4 t/ha)	106	103	101	100	96	97	79	77	73	7.0	[68]
Without PGR (7.8 t/ha)	[107]	99	103	102	104	99	82	[80]	76	7.5	[74]

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

Key to Breeder and UK contact codes:

IBERS =Institute of Biological, Environmental & Rural Sciences

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

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