HGCA Recommended List[®] Winter Oats 2009/10

Recommended varieties											
RECOMMENDED			С	С		С	*				
HGCA	Tardis	Brochan	Kinross	Dalguise	Mascani	Gerald	Expression	Hendon	Grafton	Average LSD (5%)	
Variety type	Convention	onal huske	d varieties				Naked val	rieties			
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	80	79	75	3.8	
Untreated with fungicide	[93]	[88]	92	83	93	84	68	71	66	6.0	
Grain quality											
Kernel content (%)	72.9	77.7	74.9	75.7	78.1	72.6	-	-	-	1.0	
Specific weight (kg/hl)	50.2	50.7	53.1	54.7	54.6	53.5	63.4	62.6	65.2	1.8	
Screenings % through 2.0mm	[0.0]	[0.0]	0.5	0.2	0.1	0.2	23.0	45.3	14.1	6.2	
Agronomic features											
Resistance to lodging	7	7	5	5	6	6	4	9	6	1.0	
Straw length (cm)	113	110	130	123	119	120	132	83	124	2.9	
Ripening (days +/- Gerald, -ve = earlier)	[-3]	[0]	0	-3	-2	0	0	0	-3	1.5	
Winter hardiness #	8	7	7	8	7	8	7	7	8	0.4	
Disease resistance											
Mildew	9	4	5	3	6	4	5	5	4	0.8	
Crown rust	7	6	7	3	8 ~	5	5	4	6	1.9	
Year first listed	07	07	04	03	04	93	04	03	00		
* = variety no longer in trial.	C = vield control										

^{* =} variety no longer in trial.

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

Winter hardiness is measured on a scale where scores above 5 indicate only leaf damage and not plant death

Balado	Fusion						
Husked	Naked						
-	-						
[110]	[77]						
[95]	[65]						
[74.3]	_						
[52.0]	[65.1]						
[02.0]	[00.1]						
-	-						
[8]	[8]						
94	89						
[+2]	[+2]						
-	-						
4	3						
3	3						
	_						

Candidates

Balado and Fusion are candidates for recommendation in 2009

C = yield control

[~] 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											Candidates		
RECOMMENDED			С	С		С	*				•			
HGCA	Tardis	Brochan	Kinross	Dalguise	Mascani	Gerald	Expression	Hendon	Grafton	Average LSD (5%)		Balado	Fusion	
Variety type		onal huske					Naked var					Husked	Naked	
Scope of Recommendation	UK	UK	UK	UK	UK	UK	UK	UK	UK		i			
Breeder/ UK contact														
Breeder	IBERS	IBERS	Sen	Sen	IBERS	IBERS	IBERS	IBERS	IBERS		_	IBERS	IBERS	
UK contact	Sen	Sen	Sen	Sen	Sen	Sen	Sen	Sen	Sen		_	Sen	Sen	
Annual yields as % treated control														
UK 2004 treated yield (8.1 t/ha)	[101]	[102]	102	103	98	96	79	83	72	6.3		-	-	
UK 2005 treated yield (8.5 t/ha)	[105]	[105]	101	100	100	99	78	78	72	5.5	•	-	=	
UK 2006 treated yield (8.3 t/ha)	105	102	101	101	100	99	84	76	79	8.5	-	[108]	[74]	
UK 2007 treated yield (7.6 t/ha)	106	99	101	98	97	101	[79]	78	[78]	10.1	-	[103]	[72]	
UK 2008 treated yield (8.3 t/ha)	[107]	[110]	[101]	[100]	[105]	[99]	-	[90]	[77]	8.9	•	[117]	[84]	
Agronomic features														
Lodging % without PGR	3.8	2.3	10.2	16.3	4.8	8.0	28.1	0.2	8.6		•	0.7	1.2	
Treated yields with and without PGR as % treated control														
With PGR (8.3 t/ha)	102	98	102	101	99	97	79	79	73	4.4		[106]	[74]	
Without PGR (8.1 t/ha)	109	106	99	100	102	101	81	82	80	8.0	-	-	=	

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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