

Winter Cereal Varieties for 2013

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An Roinn
**Talmhaíochta,
Bia agus Mara**

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**What a
difference a
year can
make.....**

2011



2012

2012



Grain Production 2012

- Total cereal area increased by 7 % or 22,000 ha compared to 2011 due mainly by the increased winter wheat and barley areas
- Grain production down 9% on 2011 figures –
- Teagasc forecast : Total cereal production for 2012 ~ 2.3 million tonnes

	2011 (area '000 ha)	2012 (area '000 ha)	% change in area
Winter Barley	37,265	40,600	8.9
Winter Wheat	80,200	83,500	4.1
Winter Oats	9600	9776	1.8



















DAFM Winter Cereal Variety Trials 2012

Winter Barley RL/NL Trials 2012

• 6 sites -

3 centres (Kildare, Kilkenny, Cork)
3 outside sites (Meath, Offaly, Cork)

• 20 varieties -

4 Fully Recommended -

Saffron,
Amerena,
Leibniz
KWS Cassia



**3 Provisionally Recommended - Anisette,
Famosa,
Volume**

Winter Barley RL/NL Trials 2012

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**3 Provisionally Recommended - Anisette,
Famosa,
Volume**

Winter Barley RL Trial 2012

Variety		RL Status	% Area Sown 2012	% Seed entered into cert. for 2013	Agt
Amarena	6-R	R	2	4	GC
KWS Cassia	2-R	R	41	49	GC
Leibniz	6-R	R	16	30	ST
Saffron	2-R	R	21	10	GC
Anisette	2-R	PR	12	-	GC
Famosa	2-R	PR	6	6	ST
Volume	6-R (H)	PR	1	1	ST
KWS B99	2-R	Can	-	-	GC
SY Bamboo	6-R (H)	Can	-	-	ST
California	2-R	Can	-	-	ST

Winter Barley Recommended list 2012

Recommended List 2012	Seed entered into certification for 2013	Eligible Varieties for 2013	Seed entered into certification for 2013
Amarena	4	KWS B99	-
KWS Cassia	49	SY Bamboo	-
Leibniz	30	California	-
Saffron	10		
Anisette	-		
Famosa	6		
Volume	1		

Winter Barley RL Trial 2012

Variety	RL Status	3 yr average (C = ?? t/ha)	RL Yield 2012 (C = 8.6 Amer/Saff t/ha)	RL Yield 2011 (C = 8.96 t/ha) C= Amar/Saff	RL Yield 2010 (C= 9.01 t/ha) C = Amer/Saff
Amarena	R (6)		(102)	106	101
KWS Cassia	R		(105)	101	102
Leibniz	R(6)		(105)	108	106
Saffron	R		(99)	94	99
Anisette	PR		(101)	98	100
Famosa	PR		(96)	98	100
Volume	PR (6H)		(115)	115	114

Winter Barley RL Trial 2012

Variety	Agt	Type	Yield 12	Yield 11	Yield 10
KWS B99	GC	2R	(106)	107	110
SY Bamboo	ST	6R (H)	(116)	106	113
California	ST	2R	(100)	99	104
Talisman	GC	2R	(94)	101	-
KWS Glacier (B100)	GC	2R	(103)	-	-

Winter Barley RL Trial 2012

Variety	Type	Agt	Yield 12
SJ 087699	2R	GC	(100)
Arcanda	2R	GC	(101)
KWS Tonic (6-929)	6R	ST	(111)
SYN 210-86	2R	ST	(97)
NSL 08-6728C	2R	ST	(93)
SY 210-77	6R (H)	ST	(120)
NSL 08-6728D	2R	ST	(92)
SZD E2809	2R	ST	(93)

Winter Barley Recommended list 2012

Agronomic & Quality Characteristics	Recommended				Provisionally Recommended		
	Amarena	KWS Cassia	Leibniz	Saffron	Anisette	Famosa	Volume
Relative Yield	102 (102)	102 (105)	108 (105)	98 (99)	98 (101)	100 (96)	115 (115)
Shortness of straw	5	7	4	7	8	7	4
Resistance to Lodging	7	7	7	8	7	7	(6)
Straw Breakdown	4	6	5	7	5	6	4
Earliness of ripening	8	6	6	5	6	4	6

Winter Barley Recommended list 2012

Agronomic & Quality Characteristics	Recommended				Provisionally Recommended		
	Amarena	KWS Cassia	Leibniz	Saffron	Anisette	Famosa	Volume
Mildew	7	5	6	4	6	6	(6)
Rhynco	7	5	7	4	6	6	(7)
B Rust	7	7	4	7	7	6	(6)
N Blotch	7	(7)	7	7	6	(7)	(7)
1000 grain weight (g)	50.0 (47.9)	58.7 (57.1)	54.1 (51.3)	58.5 (56.6)	56.3 (54.0)	56.7 (53.9)	48.6 (45.0)
Hectolitre weight (kg/hl)	63.1 (62.0)	68.7 (67.1)	64.8 (63.1)	68.5 (66.9)	65.7 (64.1)	66.9 (65.0)	65.6 (64.2)
Year First Listed	2008	2011	2010	2007	2010	2011	2012

Winter Oats RL/NL Trial 2012

•5 sites - 3 centres (Kildare, Kilkenny, Cork)
2 outside sites (Kildare, Louth)

•10 varieties – 3 Fully Recommended – Barra,
Evita,
Husky



Provisionally Recommended – none

Winter Oats RL/NL Trial 2012

Variety	RI Status	% Area Sown Winter/Spring 2012	% Seed entered into certification for 2013 Winter & Spring 2013	Agt
Husky	R	47	41	ST
Evita	R	-	-	ST
Barra (S)	R	40	31	ST
Binary	PR (S)	1	18	
Circle	PR (S)	3	4	GC

Winter Oats RL/NL Trial 2012

Variety	% Seed 2013	Yr	Agt		Yield 12	Yield 11	Yield 10
Barra	31	R	GC		(92)	93	98
Evita	-	R	ST		(98)	103	102
Husky	41	R	ST		(108)	104	105
Binary (S)	18	-	GC		(99)	103	-
Cavalcade (S)		-	GC		(97)	102	-
Melody	-	1	ST		(93)	-	-
MH 05 PC 1 -2	-	1	ST		(107)	-	-
MH 05 HQ 11 - 2-3	-	1	ST		(102)	-	-
Sympony	-	1	GC		(93)	-	-
Ozon	-	1	GC		(108)	-	-

Winter Oat Recommended List 2012

	Barra	Evita	Husky
Relative Yield (2011) (2012)	95 (92)	102 (98)	104 (108)
Shortness of straw	6	8	7
Resistance to Lodging	4	6	7
Straw Breakdown	4	6	5
Earliness of ripening	5	7	8
Winter Hardiness	3	3	5
Mildew	3	4	6
Crown Rust	4	4	4

Winter Oat Recommended List 2012

	Barra	Evita	Husky
Relative Yield	95 (92)	102 (98)	104 (108)
Kernal Content (%)	72.8	69.4	72.5
1000 grain weight (g)	38.4	40.1	38.5
Hectolitre weight (kg/hl)	57.2	55.7	56.7
Year First Listed	1986	2001	2010

Winter Wheat RL 2013

•9 sites –

2 Centres (Kildare, Kilkenny)

7 Outside sites {Louth, Meath, Offaly, Tipperary, Cork (3)}

18 varieties –

4 Fully Recommended –

Einstein,
Cordiale,
Lion,
JB Diego.

4 Provisionally Recommended –

Kingdom,
Grafton,
Gravitas,
Stigg.



Winter Wheat: Seed entered into Certification for 2013

Variety	RL Status (2012)	% Area Sown 2012	% Seed entered into certification for 2013	Agt
Cordiale	R	8	5	GC
Einstein	R	10	8	ST
JB Diego	R	41	39	G
Lion	R	10	4	GC
Grafton	PR	7	3	GC
Kingdom	PR	4	2	ST
Gravitas	PR	11	17	GC
Stigg	PR	3	5	ST
Sahara	-	4	3	
Avatar	Can	1	11	GC
Lumos	Can	<1	2	GC
Invicta	-	<1	2	
Sterling	-	<1	<1	GC

Winter Wheat RL Trials 2012

Variety	Yr	Agt	Yield 12 (C = 8.1 t/ha)	Yield 11 (C = 10.65 t/ha)	Yield 10 (C = 9.58 t/ha)
Cordiale	R	GC	(101)	97	102
Einstein	R	ST	(99)	103	98
JB Diego	R	G	(101)	108	105
Lion	R	GC	(103)	101	105
Grafton	PR	GC	(96)	101	99
Gravitas	PR	GC	(94)	105	107
Kingdom	PR	ST	(100)	94	103
Stigg	PR	ST	(88)	103	102

Winter Wheat RL Trials 2012

Variety	Yr	Agt	Yield 12 (C = 8.1 t/ha)	Yield 11 (C = 10.65 t/ha)	Yield 10 (C = 9.58 t/ha)
SY Epsom	3	ST	(104)	101	102
Avatar	3	GC	(107)	103	112
SJ 08-53	3	GC	(96)	105	105
KWS Lumos	2	GC	(103)	104	(105)
Dunmore	1	ST	(105)	(107)	(101)
Ferrari	1	ST	(95)	(111)	(100)
SJ 08-46	1	GC	(102)	(111)	(104)
NIC 07 -4134B	1	ST	(93)	(110)	-
KWS W187	1	GC	(95)	(108)	-
LGW 61	1	ST	(96)	(105)	-

Winter Wheat Recommended list 2012

Recommended List 2012	% Seed entered into certification for 2013	Eligible Varieties for 2013	% Seed entered into certification for 2013
Cordiale (R)	5	SY Epson	-
Einstein (R)	8	Avatar	11
JB Diego (R)	39	SJ 08-53	-
Lion (R)	4	KWS Lumos	2
Grafton (PR)	3		
Gravitas (PR)	17		
Kingdom (PR)	2		
Stigg (PR)	5		

Winter Wheat Recommended list 2012

Agronomic & Quality Characteristics	Recommended				Provisionally Recommended			
	Cordiale	Einstein	JB Diego	Lion	Grafton	Gravitas	Kingdom	Stigg
Relative Yield	99 (101)	101 (99)	105 (101)	103 (103)	100 (96)	106 (94)	100 (100)	103 (88)
Shortness of Straw	8	7	6	5	8	6	7	8
Resistance to Lodging	8	7	6	5	8	(5)	7	(8)
Straw Breakdown	6	8	7	7	6	(6)	6	(8)
Earliness of Ripening	7	6	5	5	7	4	7	4

Winter Wheat Recommended list 2012

Agronomic & Quality Characteristics	Recommended				Provisionally Recommended			
	Cordiale	Einstein	JB Diego	Lion	Grafton	Gravitas	Kingdom	Stigg
Mildew	6	6	6	4	7	(7)	6	(7)
Septoria <i>spp</i>	4	5	6	7	5	(7)	5	(8)
Yellow Rust	(7)	(7)	(7)	(8)	(8)	(7)	(7)	(8)
Fusarium ear blight	6	7	7	6	(5)	(7)	(7)	(6)
Sprouting	7	7	7	5	(5)	(7)	(7)	(7)

Winter Wheat Recommended list 2012

Agronomic & Quality Characteristics	Recommended				Provisionally Recommended			
	Cordiale	Einstein	JB Diego	Lion	Grafton	Gravitas	Kingdom	Stigg
Grain Protein (@15% MC)	10.7 (12.7)	10.5 (12.2)	9.8 (11.8)	9.6 (11.3)	10.2 (12.0)	9.4 (11.3)	10.4 (12.0)	10.0 (11.9)
Hagberg	357	299	-	-	-	-	293	-
Bread-making quality	Good	Mod	-	-	-	-	Mod	-
1000 gr wt (g)	46.3 (40.7)	50.4 (44.2)	50.4 (44.6)	46.7 (41.2)	49.5 (44.4)	45.4 (37.7)	48.5 (43.4)	50.2 (47.1)
KPH (kg/hl)	76.2 (69.0)	74.2 (66.3)	75.0 (67.2)	74.2 (68.2)	74.6 (66.9)	73.2 (65.9)	75.3 (68.6)	70.7 (64.4)
Market	Br	Br	F	F	F	F	Br	F
Year Listed	2006	2004	2010	2008	2012	2012	2011	2012

Early Sown Wheat Trials

Speed of Development

Fast	Medium	Slow
Einstein	Avatar	Stigg
Cordiale	JB Diego	Grafton
Lion	Invicta	Kingdom
Gravitas	Crusoe	KWS Lumos
SJ08-53	Denman	Sahara
	SY Epson	Ferrari

Winter Wheat - Early Sown Trial Results

Variety	Agt	3-Year Yield (C= t/ha)	Yield 12 (C = 8.3 t/ha)	Yield 11 (C = 11.02 t/ha)	Yield 10 (C = 10.10 t/ha)
Einstein (C)	ST		(97)	100	101
Cordiale (C)	GC		(104)	100	99
Lion	GC		(107)	108	101
JB Diego	G		(104)	108	102
Kingdom	ST		(103)	92	100
Grafton	GC		(96)	101	97
Gravitas	GC		(104)	107	-

Winter Wheat - Early Sown Trial Results

Variety	Agt	Yield 12 (C = 8.3 t/ha)	Yield 11 (C = 11.02 t/ha)
Stigg	ST	(94)	105
Denman	ST	(107)	101
Avatar	GC	(113)	108
SY EPSON	ST	(100)	-
SJ 08-53	GC	(95)	-
KWS Lumos	GC	(108)	-
SJ 08-46	GC	(106)	-
Ferrari	ST	(101)	-
KWS W 187	GC	(98)	-
SJ 09-61	GC	(88)	-
SJ 08-48	GC	(91)	-

1st Wheat vs Continuous Sites

Variety Yield Rating 09 - 11

Variety	1 st Wheat 17 trials (C = 10.28 t/ha)	Continuous Sites 6 trials (C = 9.52 t/ha)
Einstein (C)	101	102
Cordiale (C)	99	98
Lion	104	99
JB Diego	105	105
Kingdom	100	99
Grafton	100	100
Gravitas	107	102
Stigg	103	103

1st Wheat vs Continuous Sites

Variety Yield Rating 09 - 11



