

Winter Cereal Varieties for 2012

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Department of
**Agriculture,
Fisheries and Food**

An Roinn
**Talmhaíochta,
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Winter Barley, 2012

Variety		RL Status	% Area Sown 2011	% Seed avail 2012	Agt
Amarena	6-R	R	3	2	GC
KWS Cassia	2-R	R	25	36	GC
Leibniz	6-R	R	9	15	ST
Saffron	2-R	R	43	29	GC
Anisette	2-R	PR	14	10	GC
Famosa	2-R	PR	3	7	ST
Volume	6-R	PR	-	2	ST

Winter Barley, 2012

Variety	RL Status	RL Yield 2012 (C = 8.96 t/ha)	Yield 11 (C= 9.01 t/ha) C = Amer/Saff	Yield 10 (C= 8.85 t/ha) C = Amer/Saff	Yield 09 (C= 8.76 t/ha) C = Camion/Saff
Amarena	R	102	106	101	104
KWS Cassia	R	102	101	102	107
Leibniz	R	108	108	106	114
Saffron	R	98	94	99	103
Anisette	PR	98	97	98	104
Famosa	PR	100	98	100	106
Volume	PR	115	115	114	113 (2008 Res)

Winter Barley, 2012

Variety	Agt	Type	Yield 11	Yield 10
KWS B99	GC	2R	107	110
SY Bamboo	ST	Hybrid	106	113
SY Venture	ST	2R	98	102
California	ST	2R	99	104
Element	ST	Hybrid	107	110

Winter Barley, 2012

Variety	Type	Agt	Yield 11
SJ 075400	2R	GC	99
SJ 063643	2R	GC	101
KWS Sunny	2R	ST	96
SYN 209-71	2R	ST	95
KWS Tenor	6R	ST	105
SYN 209-68	2R	ST	95

Winter Barley Recommended list 2012

Agronomic & Quality Characteristics	Recommended				Provisionally Recommended		
	Amarena	KWS Cassia	Leibniz	Saffron	Anisette	Famosa	Volume
Relative Yield	102	102	108	98	98	100	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



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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	58.7	54.1	58.5	56.3	56.7	48.6
Hectolitre weight (kg/hl)	63.1	68.7	64.8	68.5	65.7	66.9	65.6
Year First Listed	2008	2011	2010	2007	2010	2011	2012

Winter Oats, 2012

Variety	RI Status	% Area Sown Winter 2011	% Seed availability Winter & Spring 2012	Agt
Barra	R	50	34	GC
Evita	R	4	4	ST
Husky	R	22	22	ST
Circle	-	13	24	GC



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Frost Damage Athy – MH 04 HG 2-1-2



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Frost Damage Athy – MH 04 HG 2-1-2



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Frost Damage Athy - Barra



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Frost Damage Athy - Barra



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Frost Damage Athy - Husky



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Frost Damage Athy - Husky



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Frost Damage Athy - Evita



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Frost Damage Athy - Evita



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Frost Damage Athy - Circle



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Frost Damage Athy - Circle



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Winter Oats Moorepark

Variety	Plants/sqm	Ears/sqm	TGW	Yield
Barra	14	38	99	96
Evita	21	55	102	98
Husky	39	73	99	106
Circle	10	33	113	105
MH HG 2-1-2	100	100	112	92
Control	MH HG 2-1-2 370 Plants/sqm	MH HG 2-1-2 645 Ears/sqm	Barra / Evita / Husky 38.0g	Barra / Evita / Husky 7.78 t/ha

Winter Oats, 2012

Variety	% Seed avail 2012	Yr	Agt	3 Year Yield (C = 7.99t/ha)	Yield 11	Yield 10	Yield 09
Barra	34	R	GC	95	93	98	94
Evita	4	R	ST	102	103	102	100
Husky	22	R	ST	104	104	105	102
Circle	24	4	GC	98	93	101	99
Galaxy	-	3	ST	105	99	112	103
Binary	12	1	GC		103		

Winter Oat Recommended List 2012

	Barra	Evita	Husky
Relative Yield	95	102	104
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	102	104
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, Seed Availability for 2012

Variety	RL Status (2011)	% Area Sown 2011	% Seed Avail 2012	Agt
Cordiale	R	18	15	GC
Einstein	R	25	7	ST
JB Diego	R	23	25	G
Lion	R	12	9	GC
Alchemy	PR	1	-	ST
Kingdom	PR	6	23	ST
Grafton	-	8	6	GC
Gravitas	-	<1	7	GC
Stigg	-	-	3	ST
Sahara	-	4	4	GC

Winter Wheat RL Trials 2011

Variety	Yr	Agt	Yield 11 (C = 10.65 t/ha)	Yield 10 (C = 9.58 t/ha)	Yield 09 (C = 9.72 t/ha)
Cordiale	R	GC	97	102	98
Einstein	R	ST	103	98	102
JB Diego	R	G	108	105	102
Lion	R	GC	101	105	102
Kingdom	PR	ST	94	103	103

Winter Wheat RL Trials 2011

Variety	Yr	Agt	Yield 11 (C = 10.65 t/ha)	Yield 10 (C = 9.58 t/ha)	Yield 09 (C = 9.72 t/ha)
Grafton	3	GC	101	99	100
Gravitas	2	GC	105	107	(102)
Stigg	2	ST	103	102	(106)
Denman	2	ST	104	103	(103)
SY Epson	2	ST	101	102	(103)
Avatar	2	GC	103	112	-
SJ 08-53	2	GC	105	105	-
Trapez	2	G	102	106	-



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Winter Wheat RL Trials 2011

Variety	Yr	Agt	Yield 11 (C = 10.65 t/ha)	Yield 10 (C = 9.58 t/ha)
KWS Lumos	1	GC	104	(105)
KWS Crosby	1	GC	98	(104)
KWS Target	1	GC	101	(103)
W 06-005319	1	ST	101	(102)
KWS Erasmus	1	ST	103	(101)



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Winter Wheat Recommended list 2012

Recommended List 2011	Eligible Varieties for 2012
Cordiale (R)	Grafton
Einstein (R)	Gravitas
Lion (R)	Stigg
JB Diego (R)	Denman
Alchemy (PR)	SY Epson
Kingdom (PR)	



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Winter Wheat Recommended list 2012

Agronomic & Quality Characteristics	Recommended				Provisionally Recommended			
	Cordiale	Einstein	JB Diego	Lion	Grafton	Gravitas	Kingdom	Stigg
Relative Yield	99	101	105	103	100	106	100	103
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



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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 spp	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	10.5	9.8	9.6	10.2	9.4	10.4	10.0
Hagberg	357	299	-	-	-	-	293	-
Bread-making quality	Good	Mod	-	-	-	-	Mod	-
1000 gr wt (g)	46.3	50.4	50.4	46.7	49.5	45.4	48.5	50.2
KPH (kg/hl)	76.2	74.2	75.0	74.2	74.6	73.2	75.3	70.7
Market	Br	Br	F	F	F	F	Br	F
Year Listed	2006	2004	2010	2008	2012	2012	2011	2012



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Treated vs Untreated Yield

(6 Sites 2010/2011)

	Untreated (Untreated Yield = 7.98 t/ha)	% Response to Fungicide (Treated Yield = 10.83 t/ha)
Cordiale	86	52
Einstein	94	44
JB Diego	106	34
Lion	99	42
Grafton	95	35
Gravitas	113	24
Kingdom	89	50
Stigg	118	14

Early Sown Wheat Trials

Speed of Development

Fast	Medium	Slow
Einstein	Avatar	Stigg
Cordiale	JB Diego	Grafton
Lion	Invicta	Kingdom
Gravitas	Crusoe	Sahara
	Denman	

Winter Wheat - Early Sown Trial Results

Variety	Agt	3-Year Yield (C = 10.4t/ha)	Yield 11 (C = 11.02 t/ha)	Yield 10 (C = 10.10 t/ha)	Yield 09 C = 10.05 t/ha)
Einstein (C)	ST	100	100	101	98
Cordiale (C)	GC	100	100	99	102
Lion	GC	104	108	101	102
Sahara	GC	102	103	99	103
JB Diego	G	104	108	102	102
Kingdom	ST	97	92	100	99
Grafton	GC	101	101	97	105

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



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