

Winter Cereal Varieties for 2011

Barry O'Reilly, DAFF



Department of
**Agriculture,
Fisheries and Food**

An Roinn
**Talmhaíochta,
Iascaigh agus Bia**

Winter Barley, 2011

Variety		RL Status	% Area Sown 2010	% Seed avail 2011	Agt
Saffron	2-R	R	65	39	GC
Amarena	6-R	R	6	2	GC
Leibniz	6-R	R	5	4	ST
Anisette	2-R	PR	18	19	GC
Boost	6-R	PR	1	1	ST
Famosa	2-R	PR	-	4	ST
KWS Cassia	2-R	PR	-	25	GC

Winter Barley, 2011

Variety	RL Status	RL Yield 2011 (C = 9.3t/ha)	Yield 10	Yield 09	Yield 08
Saffron	R	98	99	103	101
Amarena	R	102	101	104	108
Leibniz	R	107	106	114	110
Anisette	PR	99	98	104	104
Boost	PR	104	107	107	107
Famosa	PR	101	100	106	105
KWS Cassia	PR	102	102	107	104

Winter Barley, 2011

Variety	Agt	Type	Yield 10	Yield 09	Yield 08
Marcorel	GC	6R	106	111	109
Volume	ST	Hybrid	114	-	113
Ajour	GC	2R	99	106	100
Ericas	GC	6R	104	104	-
Hercule	GC	6R	106	109	-

Winter Barley, 2011

Variety	Type	Agt	Yield 10
AC02/352/12	2R	GC	102
Augusta	2R	GC	98
KWS B99	2R	GC	110
SYN 208-52	Hybrid	ST	113
KWS Meridian	6R	ST	105
SYN 208-57	2R	ST	102
NIC 06-5100D	2R	ST	104
Element	Hybrid	ST	110
LD 21-4	6R	ST	107
Trick	2R	ST	100



Department of
**Agriculture,
Fisheries and Food**
An Roinn
**Talmhaíochta,
Iascaigh agus Bia**

Winter Barley Recommended list 2011

Agronomic & Quality Characteristics	Recommended			Provisionally Recommended			
	Amarena	Saffron	Leibniz	Anisette	Boost	Famosa	KWS Cassia
Relative Yield	102	98	107	99	104	101	102
Shortness of straw	5	7	4	8	5	7	7
Resistance to Lodging	7	8	7	7	7	(7)	(7)
Straw Breakdown	5	7	5	5	6	(6)	(5)
Earliness of ripening	8	5	6	6	8	(4)	(5)



Department of
**Agriculture,
Fisheries and Food**
An Roinn
**Talmhaíochta,
Iascaigh agus Bia**

Winter Barley Recommended list 2011

Agronomic & Quality Characteristics	Recommended			Provisionally Recommended			
	Amarena	Saffron	Leibniz	Anisette	Boost	Famosa	KWS Cassia
Mildew	7	4	6	6	6	(6)	(5)
Rhynco	7	4	7	6	7	(6)	(5)
B Rust	7	6	4	(7)	4	(6)	(6)
N Blotch	7	7	7	6	7	(7)	(7)
1000 grain weight (g)	47.8	57.9	52.7	55.1	48.6	56.3	58.1
Hectolitre weight (kg/hl)	60.9	67.2	62.6	64.2	64.1	65.4	67.3
Year First Listed	2008	2007	2010	2010	2009	2011	2011

Winter Oats, 2011

Variety	RI Status	% Area Sown 2010	% Seed availability for 2011	Agt
Barra	R	44	59	GC
Evita	R	9	5	ST
Husky	R	13	17	ST

Winter Oats, 2011

Variety	% Seed avail 2011	Yr	Agt	3 Year Yield (C = 8.2t/ha)	Yield 10	Yield 09	Yield 08
Barra	59	R	GC	95	98	94	93
Evita	5	R	ST	102	102	100	104
Husky	17	R	ST	104	105	102	105
Circle	12	4	GC	97	101	99	94
Canyon	-	3	ST	103	104	104	102
Galaxy	2	2	ST	-	112	103	-



Department of
**Agriculture,
Fisheries and Food**
An Roinn
**Talmhaíochta,
Iascaigh agus Bia**

Winter Oat Recommended List 2011

	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
Mildew	3	4	6
Crown Rust	4	4	4



Department of
**Agriculture,
Fisheries and Food**
An Roinn
**Talmhaíochta,
Iascaigh agus Bia**

Winter Oat Recommended List 2011

	Barra	Evita	Husky
Relative Yield	95	102	104
Kernal Content (%)	74.0	70.6	72.4
1000 grain weight (g)	37.6	39.9	37.9
Hectolitre weight (kg/hl)	55.3	53.5	54.4
Year First Listed	1986	2001	2010



Department of
**Agriculture,
Fisheries and Food**
An Roinn
**Talmhaíochta,
Iascaigh agus Bia**

Winter Wheat, Seed Availability for 2011

Variety	RL Status (2010)	% Area Sown 2010	% Seed Avail 2011	Agt
Einstein	R	28	23	ST
Cordiale	R	29	22	GC
Lion	R	19	14	GC
Alchemy	PR	1	1	ST
JB Diego	PR	10	21	G
Oakley	PR	4	-	GC
Sahara	-	5	7	GC
Grafton	-	3	8	GC
Kingdom	-	-	5	ST



Department of
**Agriculture,
Fisheries and Food**
An Roinn
**Talmhaíochta,
Iascaigh agus Bia**

Winter Wheat - Early Sown Trial Results

Variety	Agt	3-Year Yield (C = 10.4t/ha)	Yield 10	Yield 09	Yield 08
Einstein	ST	100	101	98	102
Cordiale	GC	100	99	102	98
Alchemy	ST	99	100	99	96
Lion	GC	101	101	102	100
Oakley	GC	104	104	101	107
Sahara	GC	99	99	103	95
JB Diego	G	102	102	102	103
Kingdom	ST	-	100	99	-
Grafton	GC	-	97	105	-



Department of
**Agriculture,
Fisheries and Food**
An Roinn
**Talmhaíochta,
Iascaigh agus Bia**

Winter Wheat RL Trials 2010

Variety	Yr	Agt	Yield 10 (C = 9.58 t/ha)	Yield 09 (C = 9.72 t/ha)	Yield 08 (C = 11.25 t/ha)
Einstein	R	ST	98	102	99
Cordiale	R	GC	102	98	101
Lion	PR	GC	105	102	99
Alchemy	PR	ST	104	102	93
JB Diego	PR	G	105	102	97
Oakley	PR	GC	107	99	101

Winter Wheat RL Trials 2010

Variety	Yr	Agt	Yield 10 (C = 9.58 t/ha)	Yield 09 (C = 9.72 t/ha)	Yield 08 (C = 11.25 t/ha)
Kingdom	2	ST	103	103	(98)
Invicta	2	ST	103	101	(92)
Grafton	2	GC	99	100	(97)
Gravitas	1	GC	107	(102)	-
CPBT W153	1	GC	102	(98)	-
Stigg	1	ST	102	(106)	-



Department of
**Agriculture,
Fisheries and Food**
An Roinn
**Talmhaíochta,
Iascaigh agus Bia**

Winter Wheat RL Trials 2010

Variety	Yr	Agt	Yield 10 (C = 9.58 t/ha)	Yield 09
Denman	1	ST	103	(103)
Edgar	1	ST	99	(102)
SYN 10739	1	ST	102	(103)
Alves	1	GC	98	-
NA WW 32	1	GC	112	-
Semu 06.081	1	GC	94	-
SJ 08-53	1	GC	105	-
Trapez	1	G	106	-
ELS 0849	1	G	102	-



Department of
**Agriculture,
Fisheries and Food**
An Roinn
**Talmhaíochta,
Iascaigh agus Bia**

Winter Wheat Recommended list 2011

Recommended List 2010	Eligible Varieties for 2011
Cordiale (R)	Grafton
Einstein (R)	Kingdom
Lion (R)	Invicta
Alchemy (PR)	
JB Diego (PR)	
Oakley (PR)	



Department of
**Agriculture,
Fisheries and Food**
An Roinn
**Talmhaíochta,
Iascaigh agus Bia**

Winter Wheat Recommended list 2011

Agronomic & Quality Characteristics	Recommended				Provisionally Recommended	
	Cordiale	Einstein	JB Diego	Lion	Alchemy	Kingdom
Relative Yield	100	100	101	102	99	102
Shortness of straw	8	7	6	5	6	(7)
Resistance to Lodging	8	7	(6)	5	6	(7)
Straw Breakdown	6	8	7	7	7	(6)
Earliness of ripening	7	6	5	5	5	(7)

Winter Wheat Recommended list 2011

Agronomic & Quality Characteristics	Recommended				Provisionally Recommended	
	Cordiale	Einstein	JB Diego	Lion	Alchemy	Kingdom
Mildew	6	6	6	4	7	(6)
Septoria spp	4	5	6	7	7	(5)
Yellow Rust	(7)	(7)	(7)	(8)	(8)	(7)
Fusarium ear blight	6	7	(7)	6	6	(7)
Sprouting	7	7	(7)	5	5	(7)

Winter Wheat Recommended list 2011

Agronomic & Quality Characteristics	Recommended				Provisionally Recommended	
	Cordiale	Einstein	JB Diego	Lion	Alchemy	Kingdom
Grain Protein (@15% MC)	10.6	10.6	9.9	9.7	10.0	10.4
Hagberg	328	276	-	-	272	()
Bread-making quality	Good	Mod	-	-	-	()
1000 gr wt (g)	45.7	48.9	49.9	46.0	48.1	47.7
KPH (kg/hl)	74.3	72.6	73.3	72.9	71.9	73.5
Market	Br	Br	F	F	Bi	Br
Year Listed	2006	2004	2010	2008	2007	2011

Continuous Wheat – Variety Yield Rating

Variety	RL 08-10 21 trials	Continuous Sites 5 trials
Cordiale (R)	100	98
Einstein (R)	100	102
JB Diego (R)	101	99
Lion (R)	102	100
Alchemy (PR)	99	97



Department of
**Agriculture,
Fisheries and Food**
An Roinn
**Talmhaíochta,
Iascaigh agus Bia**



Department of
**Agriculture,
Fisheries and Food**
An Roinn
**Talmhaíochta,
Iascaigh agus Bia**