

Scotland's Rural College

Scottish Recommended Lists for Cereals 2019

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Scottish Recommended Lists for Cereals 2019/20

Tables

Data from AHDB Recommended List Trials and Scottish Government funded National List Trials



Scottish Recommended Lists for Cereals 2019/20

Spring barley Yield of 100 = 7.5 t/ha

Year First Listed	Recommendation		Grain yield as % of treated Control	Yield loss (%) if untreated	Malting use: Brewing, Distilling or Grain Distilling	MBC† Malting Approval (See footnotes)	Feed use‡ (See footnote)	Screenings <2.5 mm (%)	Specific weight (kg/hl)	Maturity days +/- Concerto	Straw strength 1 to 9; weak to stiff	Straw length (cm) no PGR	Brackling risk 1 to 9; high to low	Disease resistance; 1 susceptible to 9 resistant	
														Mildew	Rhynchosporium
2018	P2	LG Diablo	107	11	B & D	P		2.8	67.6	+2	7	73	8	[9]	5
2016	R	Laureate	104	9	B & D	F		3.0	66.8	+1	7	71	8	[8]	6
2016	R	KWS Sassy	103	10	D	F		2.1	68.8	+1	6	79	7	[8]	6
2015	R	Sienna	102	9	D	F		3.2	70.9	+1	7	77	7	[9]	6
2018	P2	RGT Asteroid	102	9	B, D & GD	P		2.4	68.7	+1	7	74	8	[9]	5
2016	R	Fairing	95	10	GD	F		2.2	68.8	-1	7	73	7	[8]	6
2009	R	Concerto	92	10	B & D	F		2.6	69.3	0	7	78	8	8	4
2019	P1	Cosmopolitan	106	12	B	T		3.0	66.8	+1	[7]	69	7	---	[6]
2015	R	RGT Planet	103	10	B	F		3.1	68.3	0	7	73	8	[9]	5
2014	R	KWS Irina *	102	13	B	N		4.0	66.4	0	8	69	9	[9]	5
2010	R	Propino	99	14	B	F		1.7	68.7	0	7	75	8	6	5
2015	R	Scholar	104	11	None	N		5.2	69.0	+1	7	68	9	[9]	5

Colour code

Good

Towards good

Intermediate

Towards poor

Poor

R = Recommended for general use	F = MBC Full Approval	N = Not approved by MBC	* KWS Irina is no longer Approved by MBC
P1 or P2 = Provisional Year 1 or 2	P = MBC Provisional Approval	[] = AHDB limited data	
† = Malting Barley Committee	T = Under test as a malting variety	‡ High yielding malting varieties can also be considered for feed use	

Data from AHDB Recommended List trials. The full data sets collected are available on the AHDB Cereals & Oilseeds website <http://cereals.ahdb.org.uk/varieties>

Scottish Recommended Lists for Cereals 2019/20

Winter barley Yield of 100 = 9.8 t/ha

Year First Listed	Recommendation		Grain Yield as % of treated control	Yield loss (%) if untreated	Yield % control		MBC† Malting Approval (Brewing)	Screenings <2.5 mm (%)	Specific Weight (kg/hl)	Maturity days +/- KWS Orwell	Straw Strength 1 to 9; weak to stiff	Straw length (cm) with PGR	Disease resistance; 1 susceptible to 9 resistant		
					Light soil	Heavy soil							Mildew	Rhynchosporium	Net Blotch
2019	P1	LG Mountain	105	21	105	[107]	No	9.2	68.9	-1	7	85	5	5	5
2017	R	KWS Creswell	103	27	102	99	No	8.6	67.9	0	7	87	4	6	4
2016	R	KWS Orwell	102	22	102	102	No	6.0	67.8	0	8	85	3	6	5
2015	O	KWS Infinity	102	22	102	100	No	8.2	68.0	0	7	88	4	6	6
2014	R	KWS Tower	102	26	101	100	No	7.5	67.4	0	8	88	5	6	4
2019	P1	Valerie	[101]	15	102	[101]	No	2.5	70.2	-1	8	87	6	6	6
2019	P1	LG Flynn	[101]	22	102	[106]	No	5.5	69.8	+1	7	91	4	6	6
2010	S	KWS Cassia	98	17	97	98	No	5.7	71.0	+1	8	89	4	5	5
2016	S	Craft	97	20	97	95	F	6.8	69.3	0	8	88	6	6	6
2018	P2	Electrum	95	17	96	98	P	6.6	69.5	-1	7	90	6	6	5
2017	R	Funky	104	15	105	105	No	17.3	69.0	-1	8	93	5	7	5
2018	P2	KWS Astaire	103	16	104	105	No	8.3	65.8	0	8	100	7	7	6
2017	R	Sunningdale	109	19	107	105	No	10.3	67.8	0	7	105	5	7	6
2018	P2	Belmont	108	31	107	109	No	10.3	68.5	0	7	107	6	6	6
2016	R	Bazooka	106	18	106	109	No	9.6	68.8	0	7	109	4	7	6
2019	P1	SY Baracooda	106	18	106	[107]	No	8.0	68.7	0	7	110	8	7	5
2019	P1	SY Kingsbarn	106	19	106	[108]	No	6.9	69.9	0	8	103	6	7	6
2018	P2	Libra	103	19	103	105	No	8.8	70.8	-1	7	105	4	7	6

Colour code

Good

Towards good

Intermediate

Towards poor

Poor

R = Recommended for general use

O = Becoming outclassed

F = MBC Full Approval

P1 or P2 = Provisional Year 1 or 2

† = Malting Barley Committee

P = MBC Provisional Approval

[] = AHDB limited data

S = Specific use variety

BaYMV: All varieties listed have resistance to barley mild mosaic virus (BaMMV) and barley yellow mosaic virus (BaYMV) strain 1

Data from AHDB Recommended List trials. The full data sets collected are available on the AHDB Cereals & Oilseeds website <http://cereals.ahdb.org.uk/variety>

Scottish Recommended Lists for Cereals 2019/20

Winter wheat Yield of 100 = 11.2 t/ha

Year First Listed	Recommendation		Grain yield as % of treated Control	Yield loss (%) if untreated	Use as a 2 nd cereal	Quality markets		Specific weight (kg/hl)	HFN	Maturity days +/- JB Diego	Straw strength 1-9; weak to stiff		Straw length (cm) no PGR	Sprouting resistance	Disease resistance; 1 susceptible to 9 resistant				
						Distilling	UK Milling				without PGR	with PGR			Mildew	Yellow rust	Septoria tritici	Eye-spot	Fusarium
2018	P2	KWS Jackal	104	25	Good	Med	---	76.1	177	+1	7	7	85	[5]	7	9	4.9	4	6
2019	P1	LG Skyscraper	[104]	22	Good	Med	---	77.2	221	0	7	7	90	---	7	8	5.2	[4]	6
2018	P2	Elation	103	23	Good	Good	---	77.8	209	+1	7	8	81	[6]	7	9	4.3	4	6
2017	R	LG Sundance	102	15	Good	Med	---	74.4	187	+2	6	7	86	[4]	7	9	7.9	3	7
2013	O	Leeds	101	31	Poor	Med	---	78.1	221	+2	7	8	85	6	3	6	4.6	4	7
2019	P1	LG Spotlight	[101]	22	Mod	Med	---	78.3	290	+1	7	8	91	---	6	8	5.2	[5]	7
2009	O	Viscount	101	24	Mod	Good	---	76.2	202	+1	7	8	80	5	6	7	4.8	4	6
2017	R	LG Motown	100	16	Good	Med	---	76.0	226	0	6	6	83	[6]	7	9	5.7	4	6
2013	S	Revelation	98	17	Poor	Good	---	76.5	257	+3	7	8	85	5	6	9	6.3	8	7
2016	R	KWS Barrel	105	29	Mod	Poor	Biscuit	77.3	227	+1	7	8	82	[6]	6	9	4.5	4	6
2018	P2	Elicit	102	19	Mod	Good	Biscuit	77.3	222	+1	7	8	84	[5]	6	9	6.0	4	7
2014	R	Zulu	100	26	Poor	Med	Biscuit	76.4	237	+1	6	7	88	5	7	5	5.2	4	6
2015	R	KWS Lili	103	28	Poor	---	Bread	77.5	303	+2	7	8	81	7	8	7	5.9	5	6
2019	P1	KWS Extase	[102]	6	Mod	---	Bread	78.6	307	0	7	8	89	---	6	9	8.1	[4]	6
2016	R	KWS Siskin	100	17	Mod	---	Bread	77.5	300	+1	6	7	83	[5]	8	9	6.7	4	5
2018	P2	RGT Gravity	105	24	Good	---	---	76.4	211	+1	7	7	86	[4]	4	8	5.0	4	6
2018	P2	Gleam	104	19	Good	---	---	76.6	223	0	7	7	85	[5]	6	7	6.4	4	6
2009	S	Grafton *	[99]	25	Mod	---	---	79.0	325	-1	8	8	75	5	7	6	5.4	6	5

Colour code

Good

Towards good

Intermediate

Towards poor

Poor

R = Recommended for general use	S = Specific use variety	HFN = Hagberg falling number	[] = AHDB limited data;
P1 or P2 = Provisional Year 1 or 2	O = Becoming outclassed	Mod = Moderate; Med = Medium	* Grafton is no longer on the AHDB Recommended List

Data from AHDB Recommended List trials. The full data sets collected are available on the AHDB Cereals & Oilseeds website <http://cereals.ahdb.org.uk/varieties>

Scottish Recommended Lists for Cereals 2019/20

Spring oats (Yield of 100 = 7.9 t/ha)

Year first listed	Recommendation		UK Grain yield as % of treated control	Yield loss (%) if untreated	Kernel content (%)	Screenings <2.0mm (%)	Specific weight (kg/hl)	Maturity days +/- Firth	Straw strength 1-9; weak to stiff	Straw length (cm)	Crown rust (1 to 9)	Mildew (1 to 9)
2018	P2	Delfin	105	9	74.8	2.6	53.6	0	8	118	[4]	9
2017	P3	Yukon	102	7	75.1	3.1	53.4	-1	8	114	[5]	8
2019	P1	Elison	102	9	74.6	2.5	54.4	0	[9]	[115]	[4]	8
2015	O	Aspen	101	16	76.1	2.0	54.2	-1	7	105	4	6
2011	R	Canyon	100	8	75.0	1.9	54.5	0	7	116	4	8
2017	R	WPB Elyann	99	12	79.1	2.6	53.6	-1	6	108	[5]	7
2000	R	Firth	96	15	77.3	2.8	52.8	0	7	108	4	6
2014	R	Conway	95	11	76.9	2.6	53.6	-1	8	113	4	7

Winter oats (Yield of 100 = 8.8 t/ha)

Year first listed	Recommendation		UK Grain yield as % of treated control	Yield loss (%) if untreated	Kernel content (%)	Screenings <2.0mm (%)	Specific weight (kg/hl)	Maturity days +/- Mascani	Straw strength 1-9; weak to stiff	Straw length (cm)	Crown rust (1 to 9)	Mildew (1 to 9)
2003	R	Dalguise	100	---	74.9	3.6	54.8	-1	3	120	4	4
1993	R	Gerald	98	---	72.5	4.2	53.5	+2	6	117	5	[4]

Spring wheat (Yield of 100 = 7.2 t/ha)

Year first listed	Recommendation		UK Grain yield as % of treated control	Yield loss (%) if untreated	nabim Group	Hagberg falling number	Specific weight (kg/hl)	Maturity days +/- Mulika	Straw strength 1-9; weak to stiff	Straw length (cm)	Septoria tritici (1 to 9)	Mildew (1 to 9)
2017	R	KWS Cochise	107	24	2	225	79.6	+1	---	83	6	[8]
2011	R	Mulika	95	14	1	300	77.6	0	---	81	6	6
2019	P1	KWS Talisker	[106]	16	4	263	79.7	[+1]	---	84	7	[8]
2019	P1	Hexham	[105]	11	4	275	78.7	[+3]	---	83	7	[7]

Colour code

Good

Towards good

Intermediate

Towards poor

Poor

R = Recommended for general use | P1, P2 or P3 = Provisional Year 1, 2 or 3 | O = Becoming outclassed | [] = AHDB limited data | --- = Insufficient information

Data from AHDB Recommended List trials. The full data sets collected are available on the AHDB Cereals & Oilseeds website <http://cereals.ahdb.org.uk/varieties>