



Scottish Recommended Lists for Cereals 2021/22

Tables

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



Scottish Recommended Lists for Cereals 2021/22

Spring barley Yield of 100 = 7.7 t/ha

Year First Listed	Recommendation		Grain yield as % of treated Control	Yield loss (%) if untreated	Malting market options and MBC† approval			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	
					Dist.	Brew	Grain							Mildew	Rhynchosporium
2018	R	LG Diablo	103	8	F	F	N	3.9	66.9	+2	7	72	8	9	5
2020	P2	SY Tungsten	103	12	P	P	N	5.0	67.4	+1	7	73	8	9	[4]
2020	P2	Firefoxx	103	11	P	N	N	4.2	66.4	+1	7	71	8	9	[5]
2016	R	Laureate	100	8	F	F	N	3.8	66.3	+1	7	70	8	9	6
2016	R	KWS Sassy	99	7	F	N	N	2.9	68.4	+1	6	78	6	9	6
2015	O	Sienna	99	8	N	N	N	4.2	70.2	+1	7	77	7	9	5
2016	S	Fairing	92	9	N	N	F	2.8	68.2	-1	7	72	8	8	6
2020	P2	SY Splendor	103	12	N	P	N	4.5	67.9	+2	7	73	8	9	[4]
2021	P1	Skyway	103	10	N	T	N	3.3	68.7	+1	7	75	8	9	---
2019	P3	Cosmopolitan	102	9	N	P	N	3.7	66.2	+1	7	70	7	9	6
2015	R	RGT Planet	99	9	N	F	N	3.8	67.8	0	7	73	8	9	5
2020	P2	Prospect	102	8	N	N	N	4.8	67.7	+1	7	71	9	9	[6]

Colour code

Good

Towards good

Intermediate

Towards poor

Poor

R = Recommended for general use	† = Malting Barley Committee	F = MBC Full Approval	[] = AHDB limited data
P1, P2 or P3 = Provisional Year 1, 2 or 3	Dist. = Malting distilling	P = MBC Provisional Approval	--- = No published rating to date
S = Specific use variety	Brew = Brewing	T = Under test as a malting variety	
O = Becoming outclassed	Grain = Grain distilling	N = Not suitable for this use	

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

Scottish Recommended Lists for Cereals 2021/22

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) no PGR	Disease resistance; 1 susceptible to 9 resistant		
					Light soil	Heavy soil							Mildew	Rhynchosporium	Net Blotch
2019	R	LG Mountain	105	21	104	107	N	7.5	69.4	0	7	87	5	5	5
2021	P1	KWS Tardis	105	23	104	[110]	N	7.2	69.1	0	8	[92]	5	7	[5]
2021	P1	Bolton	105	23	105	[106]	N	6.8	68.6	+1	8	[88]	6	5	[5]
2021	P1	Bordeaux	104	25	104	[107]	N	5.5	69.9	0	7	[88]	6	4	[4]
2020	P2	KWS Hawking	101	22	101	107	N	7.3	68.7	+1	8	[92]	5	6	6
2016	R	KWS Orwell	101	22	101	103	N	6.3	68.1	0	8	89	3	6	5
2019	R	Valerie	100	18	101	[101]	N	3.1	70.0	0	8	92	6	6	[6]
2014	O	KWS Tower	100	28	101	100	N	7.3	67.6	+1	8	93	5	5	4

2016	S	Craft	96	20	97	94	F	6.6	69.5	+1	8	93	6	6	6
2018	S	Electrum	96	20	96	97	F	6.8	69.2	-1	7	95	6	6	6

2017	R	Funky	104	16	104	104	N	16.1	69.0	-1	8	96	5	7	5
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2021	P1	SY Kingston	108	19	106	107	N	8.9	69.7	-1	7	[120]	7	6	6
2018	R	Belmont	107	31	106	107	N	9.6	68.7	0	7	112	5	7	5
2019	R	SY Kingsbarn	107	22	105	108	N	7.0	69.7	0	7	113	7	6	5
2021	P1	SY Thunderbolt	107	19	103	[111]	N	7.9	69.6	-1	6	[114]	8	6	[6]
2016	R	Bazooka	105	21	105	107	N	8.7	69.2	0	7	117	5	6	6

Colour code

Good

Towards good

Intermediate

Towards poor

Poor

R = Recommended for general use	S = Specific use variety	F = MBC Full Approval	N = Not suitable for this use
P1 or P2 = Provisional Year 1 or 2	† = Malting Barley Committee	P = MBC Provisional Approval	[] = AHDB limited data
O = Becoming outclassed	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 <https://ahdb.org.uk/rl>

Scottish Recommended Lists for Cereals 2021/22

Winter wheat Yield of 100 = 11.0 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/ha)	HFN (s)	Maturity days +/- Skyfall	Straw strength 1-9; weak to stiff		Straw length (cm) no PGR	Sprout -ing resistance	Disease resistance; 1 susceptible to 9 resistant				
						Distilling	UK Milling				without PGR	with PGR			Mildew	Yellow Rust **	Septoria tritici	Eye-spot	Fusarium
2019	R	LG Skyscraper	103	24	Good	Med	---	76.8	214	0	7	7	92	[5]	7	8	5.1	[4]	7
2020	P2	RGT Saki	102	19	Good	Poor	---	75.9	227	+3	7	7	88	[6]	5	8	6.5	[5]	6
2021	P1	Swallow	[102]	21	Mod	Good	---	76.3	245	0	[8]	9	79	[5]	5	6	5.7	[3]	5
2019	P3	LG Spotlight	101	25	Mod	Med	---	78.0	288	+1	7	8	93	[7]	6	6	5.2	[5]	6
2018	R	Elation	101	26	Good	Good	---	77.2	210	+1	7	8	82	[6]	7	8	4.1	4	6
2018	R	KWS Jackal	101	27	Good	Med	---	75.5	185	+1	7	7	87	[5]	7	9	4.8	4	6
2017	O	LG Sundance	99	17	Mod	Med	---	73.8	178	+2	6	7	87	4	7	9	7.9	3	6
2013	S*	Revelation	95	20	Poor	Good	---	76.2	251	+3	7	8	86	[5]	6	8	6.0	7	6
2016	R	KWS Barrel	103	29	Mod	Poor	Biscuit	77.2	234	+1	7	8	84	6	6	7	4.2	4	6
2021	P1	LG Illuminate	[102]	17	Good	Med	Biscuit	76.6	251	+1	[7]	8	82	[7]	5	7	7.0	[5]	5
2021	P1	LG Quasar	[101]	20	Mod	Med	Biscuit	75.4	212	+2	[7]	8	89	[6]	6	6	6.6	[4]	6
2018	R	Elicit	100	21	Mod	Good	Biscuit	76.8	213	0	7	8	85	[5]	6	8	5.1	4	6
2021	P1	LG Prince	[100]	20	Good	Med	Biscuit	74.8	250	+2	[7]	8	83	[6]	4	8	7.1	[5]	6
2021	P1	LG Astronomer	[98]	15	Mod	Med	Biscuit	77.8	238	+1	[7]	8	88	[6]	4	9	7.4	[5]	6
2020	P2	SY Insitor	105	26	Good	---	---	78.4	273	+1	6	7	95	[5]	6	5	6.8	[5]	7
2021	P1	RGT Wolverine	[103]	30	Mod	---	---	75.9	274	+2	[7]	8	86	[6]	5	5	5.3	[5]	6
2018	R	Gleam	102	22	Good	---	---	76.3	217	0	7	7	87	[5]	6	5	6.1	4	6
2019	S	KWS Extase	98	7	Mod	---	Bread	78.4	299	-1	7	8	90	[7]	7	8	8.0	[4]	6

Colour code

Good

Towards good

Intermediate

Towards poor

Poor

R = Recommended for general use	O = Becoming outclassed	* This variety is longer on the AHDB Recommended List	[] = AHDB limited data
P1, P2 or P3 = Provisional Year 1, 2 or 3	HFN = Hagberg falling number	** Yellow rust: Ratings are now 'weighted' towards the most recent year of data. These national averages may not reflect resistance to local rust populations or to high disease situations	
S = Specific use variety	Mod = Moderate; Med = Medium		

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

Scottish Recommended Lists for Cereals 2021/22

Spring oats (Yield of 100 = 6.9 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)
2020	P2	WPB Isabel	105	17	75.8	2.0	54.5	0	[9]	[109]	5	5
2011	R	Canyon	102	6	73.2	2.4	51.7	0	7	110	4	8
2015	O	Aspen	100	14	73.8	2.1	51.7	0	7	98	5	4
2017	R	WPB Elyann	98	10	77.0	2.5	50.9	-1	7	100	5	4
2014	R	Conway	98	10	74.4	2.5	50.5	-1	9	105	4	5

Winter oats (Yield of 100 = 8.7 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	99	---	73.3	3.9	54.0	-1	4	121	4	4
1993	R	Gerald	96	---	71.1	4.8	52.3	+2	6	119	4	4

Spring wheat (Yield of 100 = 6.8 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)
2021	P1	WPB Escape	107	---	4	264	77.0	+2	---	77	[6]	[8]
2017	R	KWS Cochise	106	22	2	239	79.0	+1	---	81	6	8
2019	R	KWS Talisker	105	13	4	278	79.2	+1	---	83	6	[8]
2020	P2	KWS Giraffe	103	---	2	269	79.8	+1	---	78	5	[8]
2011	R	Mulika	94	12	1	321	77.4	0	---	80	6	7

Colour code

Good
Towards good
Intermediate
Towards poor
Poor

R = Recommended for general use	P1 or P2 = Provisional Year 1 or 2	O = Becoming outclassed	[] = AHDB limited data	--- = Insufficient information
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Data from AHDB Recommended List trials. The full data sets collected are available on the AHDB Cereals & Oilseeds website <https://ahdb.org.uk/rl>

Further details

The full data sets collected are available on the AHDB Cereals & Oilseeds website here, <https://ahdb.org.uk/r/>

The SRUC Scottish Recommended Lists for Cereals are available on the SRUC website here, <https://sruc.ac.uk/cerealslist>

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