

**Scotland's Rural College**

## **Scottish Recommended Lists for Cereals 2022/23**

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# Scottish Recommended Lists for Cereals 2022/23

## Tables

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



## Scottish Recommended Lists for Cereals 2022/23

### Spring barley Grain yield of 100 = 7.8 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 +/- RGT Planet	Straw strength 1 to 9; weak to stiff (without PGR)	Straw length (cm) without PGR	Brackling risk 1 to 9; high to low	Disease resistance; 1 susceptible to 9 resistant	
					Dist.	Brew	Grain							Mildew	Rhynchosporium
2020	P3	SY Tungsten	104	13	P	P	N	4.5	67.7	+1	7	71	8	8	3
2020	P3	Firefoxx	104	11	P	N	N	3.7	66.4	0	7	69	8	9	5
2016	R	Laureate	102	8	F	F	N	3.1	66.6	+1	6	69	8	9	5
2018	R	LG Diablo	102	10	F	F	N	3.3	67.1	+2	7	71	8	9	5
2016	R	KWS Sassy	98	8	F	N	N	2.4	68.6	+1	6	77	6	9	6
2016	S	Fairing	92	9	N	N	F	2.6	68.1	-2	8	70	8	8	8
2021	P2	Skyway	103	11	N	P	N	2.6	68.7	0	7	74	8	9	[4]
2020	P3	SY Splendor	102	12	N	P	N	3.6	68.1	+1	7	72	9	9	[4]
2015	R	RGT Planet	99	9	N	F	N	3.1	68.0	0	7	72	8	8	5
2020	P3	Prospect	101	10	N	N	N	4.2	67.9	+1	7	69	9	9	[6]

**Colour code**

Good

Towards good

Intermediate

Towards poor

Poor

R = Recommended for general use	† = Malting Barley Committee	F = MBC Full Approval
P1, P2 or P3 = Provisional Year 1, 2 or 3	Dist. = Malting distilling	P = MBC Provisional Approval
S = Specific use variety	Brew = Brewing	N = Not suitable for this use
[ ] = AHDB limited data	Grain = Grain distilling	

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 2022/23

**Winter barley** Grain yield of 100 = 10.0 t/ha

Year First Listed	Recommendation		Grain Yield as % of treated control	Yield loss (%) if untreated	Soil type: Yield as % of 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 without PGR	Straw length (cm) no PGR	Disease resistance; 1 susceptible to 9 resistant		
					Light soil	Heavy soil							Mildew	Rhynchosporium	Net Blotch
2021	P2	KWS Tardis	104	20	103	109	N	4.3	70.2	0	8	95	5	7	[5]
2021	P2	Bolton	103	20	104	105	N	4.2	69.5	0	7	95	6	5	[5]
2021	P2	Bordeaux	103	22	103	104	N	2.7	70.7	0	7	94	6	4	[5]
2022	P1	Lightning	103	16	102	102	N	5.6	68.6	0	[6]	[92]	7	6	[5]
2019	R	LG Mountain	102	20	102	103	N	6.0	70.5	-1	6	92	5	5	5
2022	P1	LG Dazzle	102	16	102	105	N	5.4	68.9	0	[7]	[92]	6	7	[4]
2016	O	KWS Orwell	99	20	99	100	N	4.9	68.8	0	7	93	3	6	5
2019	O	Valerie	99	17	99	[99]	N	1.0	70.9	-1	7	94	6	6	[6]
2016	S	Craft	96	17	96	93	F	6.2	70.1	0	7	97	6	6	6
2018	S	Electrum	95	18	95	97	F	5.9	70.0	-1	7	97	6	6	5
2017	R	Funky	103	15	102	103	N	13.2	69.8	-1	8	97	5	6	5
2022	P1	KWS Feeris <sup>1</sup>	101	19	101	104	N	3.7	69.5	0	[8]	[102]	4	6	[6]
2021	P2	SY Thunderbolt	106	20	103	107	N	7.2	70.5	-1	5	114	8	6	[6]
2019	R	SY Kingsbarn	106	22	105	104	N	5.7	70.4	0	6	112	7	5	5
2021	P2	SY Kingston	106	18	105	103	N	8.6	70.4	-1	6	118	7	6	6
2022	P1	SY Canyon	105	17	105	105	N	6.4	71.2	-1	[7]	[118]	8	6	[5]
2016	R	Bazooka	104	20	104	104	N	7.7	70.0	0	6	117	5	6	5

**Colour code**

Good

Towards good

Intermediate

Towards poor

Poor

R = Recommended for general use	S = Specific use variety	F = MBC Full Approval	[ ] = AHDB limited data
P1 or P2 = Provisional Year 1 or 2	† = Malting Barley Committee	N = Not suitable for this use	<sup>1</sup> Variety is believed to have tolerance to <i>Barley yellow dwarf virus</i> (BYDV)
O = Becoming outclassed	BaYMV: All varieties listed are believed to have resistance to <i>Barley mild mosaic virus</i> (BaMMV) and <i>Barley yellow mosaic virus</i> (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 2022/23

**Winter wheat** Grain yield of 100 = 11.1 t/ha

Year First Listed	Recommendation		Grain yield as % of treated Control	Yield loss (%) if untreated	Use as a 2 <sup>nd</sup> cereal	Quality markets		Specific weight (kg/hl)	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				
						Distill-ing	UK Milling				without PGR	with PGR			Mildew	Yellow Rust *	Septoria tritici **	Eye-spot	Fus-arium
2022	P1	RGT Stokes	[104]	19	Good	Good	---	75.3	248	+2	5	7	91	---	5	7	6.2	[4]	6
2022	P1	RGT Bairstow	[103]	18	Good	Good	---	75.9	228	+2	6	6	91	---	6	7	6.0	[4]	6
2019	R	LG Skyscraper	102	21	Good	Med	---	76.5	214	0	6	6	92	[5]	7	7	4.6	4	6
2020	R	RGT Saki	102	18	Good	Poor	---	75.6	220	+3	6	7	88	[6]	5	8	5.1	4	6
2018	R	Elation	101	23	Good	Good	---	76.9	212	+1	7	8	83	5	7	8	3.9	4	6
2019	O	LG Spotlight	101	25	Mod	Med	---	77.7	286	+1	7	8	93	[7]	6	5	4.9	5	6
2021	P2	Swallow	101	20	Mod	Good	---	75.8	249	+1	[8]	9	80	[5]	6	6	4.9	2	5
2018	O	KWS Jackal	100	25	Mod	Med	---	74.8	179	+1	7	6	87	5	7	8	4.6	4	6
2016	R	KWS Barrel	102	26	Poor	Poor	Biscuit	76.9	240	+1	8	8	84	6	6	6	4.4	4	6
2021	P2	LG Illuminate	101	16	Mod	Med	Biscuit	76.2	249	+1	7	7	83	[7]	5	7	5.4	5	5
2022	P1	KWS Brium	[101]	20	Mod	Med	Biscuit	77.3	268	+2	7	7	92	---	7	9	5.6	[6]	6
2018	O	Elicit	99	20	Mod	Good	Biscuit	76.4	208	+1	6	7	86	5	6	8	5.2	3	6
2021	P2	LG Astronomer	97	14	Mod	Med	Biscuit	77.4	232	+1	7	9	88	[7]	4	8	6.2	5	6
2022	P1	KWS Dawsum	[106]	12	Good	---	---	79.4	304	+1	7	7	84	---	8	9	6.1	[5]	6
2020	R	SY Insitor	105	26	Good	---	---	78.2	270	+1	6	7	95	[5]	6	5	6.1	4	7
2018	R	Gleam	103	23	Good	---	---	76.3	220	0	7	7	87	5	6	5	5.5	4	6
2022	P1	LG Typhoon	[102]	13	Good	---	---	76.3	169	+2	7	7	88	---	7	9	6.9	[6]	6
2021	S	RGT Wolverine	100	30	Mod	---	---	75.5	268	+2	7	7	87	[6]	6	4	5.7	6	6
2019	S	KWS Extase <sup>1</sup>	99	8	Mod	---	Bread	78.5	289	-1	7	8	90	[7]	7	8	7.3	3	6
2022	P1	KWS Palladium	[99]	10	Mod	---	Bread	76.9	315	-1	7	8	84	---	8	9	7.2	[6]	6

**Colour code**

Good

Towards good

Intermediate

Towards poor

Poor

R = Recommended for general use	O = Becoming outclassed	* Yellow rust: Ratings are now 'weighted' towards the most recent year of trials data
P1, P2 or P3 = Provisional Year 1, 2 or 3	HFN = Hagberg falling number	** <i>Septoria tritici</i> : Ratings are based on the latest, one-year, data [ ] = AHDB limited data
S = Specific use variety	Mod = Moderate; Med = Medium	<sup>1</sup> Variety may show weakness to ear sterility on exposed land or fields prone to late spring frosts

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 2022/23

### Spring oats Grain yield of 100 = 6.8 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 +/- WPB Isabel	Straw strength 1-9; weak to stiff	Straw length (cm)	Crown rust (1 to 9)	Mildew (1 to 9)
2020	P3	WPB Isabel	105	15	74.4	1.9	53.6	0	7	108	5	5
2022	P1	Merlin	105	6	72.6	1.6	51.1	-1	[7]	[105]	[3]	8
2011	R	Canyon	103	6	72.7	2.4	51.3	-1	7	109	4	8
2014	R	Conway	99	9	73.0	1.9	50.0	-1	7	104	4	5
2017	O	WPB Elyann	98	10	76.1	2.6	50.4	-1	6	99	5	4

### Winter oats Grain 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	---	73.0	3.5	54.2	-1	4	124	4	4
1993	R	Gerald	95	---	70.5	4.7	52.4	+1	6	121	4	4

### Spring wheat Grain 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)
2022	P1	KWS Fixum	108	---	4	218	77.8	+2	---	79	[6]	[8]
2021	P2	WPB Escape	105	---	4	261	76.2	+2	---	72	[6]	8
2017	R	KWS Cochise	104	---	2	243	78.5	+1	---	77	[6]	8
2019	R	KWS Talisker	104	---	4	281	78.7	+1	---	80	[6]	8
2022	P1	KWS Ladum	102	---	1	324	78.0	0	---	75	[7]	[8]
2020	P3	KWS Giraffe	101	---	2	301	79.2	+1	---	75	[5]	8
2011	R	Mulika	94	---	1	325	77.0	0	---	78	[6]	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 <https://ahdb.org.uk/rl>



## Further information

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

The SRUC Scottish Recommended Lists for Cereals are available on the SRUC website here, [www.sruc.ac.uk/cereals-list](http://www.sruc.ac.uk/cereals-list)

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