

Scotland's Rural College

## Scottish Recommended Lists for Cereals 2023/24

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# Scottish Recommended Lists for Cereals 2023/24

## Tables

Data are from AHDB Recommended List Trials, and BSPB and Scottish Government funded National List Trials



## Scottish Recommended Lists for Cereals 2023/24

**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; low to high	Disease resistance; 1 susceptible to 9 resistant	
					Dist.	Brew	Grain							Mildew	Rhynchosporium
2023	P1	SY Tennyson	106	13	T	T	N	2.6	66.6	+1	[7]	[69]	7	9	[3]
2023	P1	Diviner	105	12	T	N	N	4.0	67.7	+1	[8]	[67]	9	9	[3]
2023	P1	KWS Curtis	103	11	T	T	N	5.2	67.5	+1	[8]	[69]	9	9	[7]
2020	R	Firefoxx	103	11	F	N	N	3.6	67.1	0	7	69	8	9	5
2016	R	Laureate	102	9	F	F	N	3.0	67.2	+1	6	70	8	9	7
2018	R	LG Diablo	102	9	F	F	N	3.2	67.8	+2	7	71	8	9	6
2016	R	KWS Sassy	98	8	F	N	N	2.2	69.1	+1	6	78	6	9	6
2016	S	Fairing	92	9	N	N	F	2.6	68.9	-2	8	70	8	8	8
2023	P1	SY Signet	105	9	N	T	N	3.1	67.4	+1	[8]	[71]	8	9	[5]
2023	P1	Florence	104	10	N	T	N	2.7	68.2	0	[8]	[69]	9	8	[6]
2023	P1	Sun King	103	8	N	T	N	2.5	67.7	+1	[8]	[72]	9	9	[4]
2021	P3	Skyway	102	11	N	P	N	2.4	69.4	+1	7	75	7	9	7
2015	R	RGT Planet	99	9	N	F	N	3.2	68.8	0	7	73	8	8	6
2023	P1	Hurler	106	13	N	N	N	4.4	66.2	+1	[9]	[65]	9	8	[6]
2020	R	Prospect	101	10	N	N	N	4.1	68.5	+1	7	70	9	9	7

**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	T = Under test for MBC approval
[ ] = AHDB limited data	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 2023/24

**Winter barley** Grain yield of 100 = 10.4 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
2023	P1	LG Caravelle	[104]	17	103	[106]	N	4.3	71.8	0	---	[93]	7	6	[5]
2022	P2	Lightning	103	13	102	103	N	5.5	69.4	0	[6]	92	7	7	5
2021	R	KWS Tardis	102	18	102	107	N	5.2	70.6	0	8	95	5	6	5
2021	R	Bolton	102	17	103	105	N	4.7	69.9	0	7	94	6	5	5
2023	P1	Bolivia	[102]	15	104	[104]	N	2.6	70.2	0	---	[91]	7	6	[6]
2019	R	LG Mountain	101	19	102	102	N	5.8	71.1	-1	6	91	5	5	5
2022	P2	LG Dazzle	101	13	102	104	N	5.8	69.5	+1	[7]	93	6	7	5
2019	O	Valerie	100	21	99	[100]	N	1.9	71.2	-1	7	93	7	6	5
2023	P1	Buccaneer	[102]	13	99	[99]	T	6.7	70.3	+1	---	[99]	6	7	[6]
2016	S	Craft	94	15	95	95	F	6.7	70.7	0	7	96	6	6	5
2017	O	Funky	103	14	102	102	N	13.4	70.0	-1	8	95	5	6	5
2022	P2	KWS Feeris <sup>1</sup>	100	18	101	105	N	5.3	69.8	0	[8]	100	4	6	6
2019	R	SY Kingsbarn	107	21	105	105	N	5.4	70.9	0	6	111	7	6	5
2021	R	SY Kingston	106	18	106	104	N	9.0	70.7	-1	6	117	8	6	6
2021	R	SY Thunderbolt	105	17	104	107	N	7.5	70.9	-1	5	111	7	6	6
2022	P2	SY Canyon	105	15	105	105	N	6.4	71.7	0	[7]	115	7	6	5
2023	P1	SY Nephin	[105]	15	104	[104]	N	10.9	71.4	0	---	[110]	6	8	[5]
2016	O	Bazooka	104	20	103	105	N	8.1	70.5	0	6	117	5	7	5

**Colour code**

Good

Towards good

Intermediate

Towards poor

Poor

R = Recommended for general use	S = Specific use variety	F = MBC Full Approval	T = Under test for MBC 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 2023/24

**Winter wheat** Grain yield of 100 = 11.3 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	P2	RGT Stokes	103	15	Good	Good	---	76.2	255	+2	5	6	91	[6]	5	7	6.3	[5]	6
2022	P2	RGT Bairstow	103	16	Good	Good	---	76.8	239	+2	6	6	91	[6]	6	8	6.0	[4]	6
2023	P1	LG Redwald	[103]	15	Good	Med	---	75.5	172	+2	[5]	5	94	[6]	6	7	6.7	[6]	6
2019	R	LG Skyscraper	102	17	Good	Med	---	77.3	227	0	6	6	92	6	7	7	4.9	[6]	6
2020	R	RGT Saki	102	16	Mod	Poor	---	76.4	231	+2	6	7	89	5	5	9	5.4	[5]	6
2023	P1	KWS Zealum	[102]	17	Good	Med	---	76.7	218	+2	[6]	8	88	[6]	7	9	5.8	[6]	7
2018	O	Elation	101	20	Good	Good	---	77.5	220	+1	7	8	82	6	7	8	4.3	[5]	6
2021	P3	Swallow	101	18	Mod	Good	---	76.7	269	+1	8	9	79	[5]	6	6	5.3	[4]	6
2016	O	KWS Barrel <sup>1</sup>	102	23	Poor	Poor	Biscuit	77.4	247	+1	8	8	84	6	6	6	4.6	[4]	5
2021	R	LG Illuminate	100	13	Mod	Med	Biscuit	77.0	262	+1	7	7	83	[6]	5	7	5.8	[6]	6
2022	P2	KWS Brium	100	17	Mod	Med	Biscuit	78.0	278	+2	7	7	92	[6]	7	9	5.6	[6]	6
2022	P2	KWS Dawsum	105	9	Good	---	---	80.0	311	+1	7	7	84	[7]	8	9	6.4	[6]	7
2020	R	SY Insitor	105	22	Good	---	---	78.9	279	+1	6	7	94	5	7	5	6.4	[4]	7
2018	O	Gleam	103	19	Good	---	---	77.3	237	0	7	7	87	6	7	5	5.7	[5]	6
2022	P2	LG Typhoon	101	9	Good	---	---	77.1	183	+1	7	7	87	[5]	6	9	7.3	[6]	6
2023	P1	KWS Ultimatum	[103]	8	Mod	---	Bread	79.6	287	+1	[7]	7	85	[7]	7	9	6.4	[5]	7
2019	S	KWS Extase <sup>2</sup>	100	5	Mod	---	Bread	79.4	294	-1	7	8	91	6	7	8	7.8	[4]	6
2022	P2	KWS Palladium	99	6	Mod	---	Bread	77.6	320	-1	7	8	83	[6]	8	9	7.4	[6]	6

**Colour code**

Good

Towards good

Intermediate

Towards poor

Poor

R = Recommended for general use	O = Becoming outclassed	[ ] = AHDB limited data	--- = not for this market
P1, P2 or P3 = Provisional Year 1, 2 or 3	HFN = Hagberg falling number	<sup>1</sup> Variety is no longer on the AHDB Recommended List	
S = Specific use variety	Mod = Moderate; Med = Medium	<sup>2</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 2023/24

### Spring oats Grain yield of 100 = 7.1 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)
2022	P2	Merlin	103	5	71.3	1.8	51.2	-1	[7]	107	[3]	8
2020	R	WPB Isabel	101	13	73.0	2.2	53.5	0	7	109	5	5
2011	R	Canyon	101	5	71.3	3.0	51.4	-1	7	110	4	8
2014	R	Conway	98	10	71.8	2.4	49.6	-1	7	104	4	6

### Winter oats Grain yield of 100 = 9.1 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)
2023	P1	Cromwell	102	16	74.9	5.2	55.3	+1	[8]	103	5	3
2003	R	Dalguise	101	7	72.8	3.6	54.7	-1	4	127	4	4
1993	R	Gerald	96	15	70.9	4.6	53.2	+1	6	122	4	4

#### Colour code

Good
Towards good
Intermediate
Towards poor
Poor
R = Recommended for general use
P1 or P2 = Provisional Year 1 or 2
[ ] = AHDB limited data

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 2023/24

**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	UKFM 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	P2	KWS Fixum	107	---	4	231	77.6	+1	---	79	[6]	[8]
2023	P1	KWS Alicium	105	---	2	346	80.3	-1	---	85	[7]	[8]
2021	R	WPB Escape	104	---	4	271	76.4	+1	---	73	[6]	8
2019	R	KWS Talisker	103	---	4	295	79.0	+1	---	80	[6]	8
2017	R	KWS Cochise	102	---	2	250	78.6	+1	---	78	6	8
2022	P2	KWS Ladum	102	---	1	337	78.0	0	---	75	[7]	[7]
2023	P1	KWS Harsum	102	---	1	330	78.3	+1	---	78	[7]	[7]
2023	P1	KWS Lightum	102	---	2	325	78.4	0	---	79	[6]	[8]
2011	R	Mulika	95	---	1	332	77.0	0	---	79	7	6

**Colour code**

Good

Towards good

Intermediate

Towards poor

Poor

R = Recommended for general use

P1 or P2 = Provisional Year 1 or 2

[ ] = 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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