

Spring Barley Recommended List 2024



CROP POLICY, EVALUATION AND CERTIFICATION DIVISION
www.agriculture.gov.ie



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VARIETY RATINGS

Variety ratings are derived from the mean of data from the 2021 – 2023 trials, unless stated otherwise.

Relative yield of each variety is calculated as a percentage of control varieties. The average yield of the control varieties equals 100. Yield ratings are from trials carried out in accordance with good commercial husbandry practices.

Actual data is given for **hectolitre weight, protein content, screenings, straw height and thousand grain weight.**

Assessment of other characteristics is based on a scale of 1 to 9; a high figure is desirable and indicates possession of the characteristic to a high degree. For earliness of ripening a difference of one point represents 2 days. Varieties with disease ratings of 8 or over are very resistant; 7 indicates good resistance and 6 moderate resistance; 5 indicates moderate susceptibility while 4 is rated susceptible; 1, 2 and 3 are very susceptible. Figures are bracketed where information is limited.

IMPORTANT NOTICE

The Department of Agriculture, Food and the Marine (DAFM) has taken all due care in evaluating the performance of the listed varieties for yield, quality, disease resistance and the important agronomic characters over a wide range of soils and environmental conditions, for a minimum period of 3 years. The Department cannot, however, accept responsibility for any loss or inconvenience arising from any future variation in absolute or relative varietal performance.



SPRING BARLEY 2024

AGRONOMIC & QUALITY CHARACTERISTICS*	RECOMMENDED							PROVISIONALLY RECOMMENDED		
	GANGWAY	GERALDINE	GRETCHEN	RGT PLANET	ROCKWAY	SKYWAY	SY AMITY	FLORENCE	LG MERMAID	SPINNER
Relative yield ♦	100	105	104	100	104	105	104	106	105	105
Straw height (cm)	74.7	71.4	73.6	74.4	77.6	77.1	75.3	69.8	70.8	71.6
Resistance to lodging	6	7	7	5	6	5	7	(7)	(5)	(6)
Straw breakdown	7	6	6	4	6	4	6	(6)	(4)	(6)
Earliness of ripening	5	6	6	5	5	5	5	(6)	(5)	(5)
Resistance to:										
Mildew	8	8	8	8	8	8	8	(8)	(8)	(8)
<i>Rhynchosporium</i>	5	7	7	5	7	7	6	(7)	(7)	(7)
Brown Rust	6	6	6	5	6	6	6	(5)	(6)	(6)
Net Blotch	8	8	8	4	7	6	8	(7)	(8)	(8)
Quality:										
1,000 grain wt. (g)	50.7	52.5	55.0	52.7	52.7	52.6	55.9	53.6	53.5	53.1
Hectolitre wt. (kg/hl)	69.8	67.8	67.8	67.6	68.6	68.6	68.0	67.8	68.9	68.1
Screenings % (<2.2 mm)	1.2	1.1	0.9	1.2	0.8	0.9	0.7	1.2	1.5	1.2
Grain Protein %	10.3	10.3	10.5	10.3	10.3	10.1	10.3	10.3	10.1	10.2
Year First Listed	2018	2022	2023	2017	2023	2022	2022	2024	2024	2024

* Based on trial results from **2021, 2022 and 2023.**

♦ Yields are expressed as a percentage of the mean of **RGT Planet and Gangway.**
(100= 8.25t/ha @ 15% moisture content).



NOTES ON VARIETIES

RECOMMENDED

GANGWAY A high yielding, moderately later maturing variety. Moderate resistance to lodging and good resistance to straw breakdown. Very good resistance to mildew and net blotch, with moderate resistance to brown rust. Moderately susceptible to *Rhynchosporium*. Excellent grain quality.

- Cross: Zeppelin x (Natasia x Kathinka)
- Breeder/Agent: Sejet (DK), Goldcrop Ltd.

GERALDINE A very high yielding, moderately early maturing variety. Good resistance to lodging and moderately resistant to straw breakdown. Very good resistance to mildew and net blotch. Good resistance to *Rhynchosporium*. Moderately resistant to brown rust.

- Cross: (KWS Irina x RGT Planet) x Laureate
- Breeder/Agent: Sejet (DK), Goldcrop Ltd.

GRETCHEN A very high yielding, moderately early maturing variety. Good resistance to lodging and moderate resistance to straw breakdown. Very good resistance to mildew and net blotch. Good resistance to *Rhynchosporium*. Moderately resistant to brown rust.

- Cross: KWS Cashmere x RGT Planet
- Breeder/Agent: Breun (DE), Goldcrop Ltd.

RGT PLANET A high yielding, moderately later maturing variety. Moderately susceptible to lodging and susceptible to straw breakdown. Very good resistance to mildew. Moderately susceptible to *Rhynchosporium* and brown rust. Susceptible to net blotch.

- Cross: Tamtam x Concerto
- Breeder/Agent: RAGT (UK), Goldcrop Ltd.

ROCKWAY A very high yielding, moderately later maturing variety. Moderate resistance to lodging and straw breakdown. Very good resistance to mildew. Good resistance to *Rhynchosporium* and net blotch. Moderate resistance to brown rust.

- Cross: RGT Planet x NOS 215-11
- Breeder/Agent: Nordic (DK), Drummonds Ltd.



SKYWAY A very high yielding, moderately later maturing variety. Moderately susceptible to lodging and susceptible to straw breakdown. Very good resistance to mildew. Good resistance to *Rhynchosporium*. Moderately resistant to brown rust and net blotch.

- Cross: RGT Planet x NOS 2105-11
- Breeder/Agent: Nordic (DK), Drummonds Ltd.

SY AMITY A very high yielding, moderately later maturing variety. Good resistance to lodging and moderately resistant to straw breakdown. Very good resistance to mildew and net blotch. Moderately resistant to *Rhynchosporium* and brown rust.

- Cross: (SY 411-293 x Laureate) x RGT Planet
- Breeder/Agent: Syngenta (UK), Seed Technology Ltd.

PROVISIONALLY RECOMMENDED

FLORENCE A very high yielding, moderately early maturing variety. Good resistance to lodging and moderately resistant to straw breakdown. Very good resistance to mildew. Good resistance to *Rhynchosporium* and net blotch. Moderately susceptible to brown rust.

- Cross: KWS Cashmere x RGT Planet
- Breeder/Agent: Breun (DE), Seed Technology Ltd.

LG MERMAID A very high yielding, moderately later maturing variety. Moderately susceptible to lodging and susceptible to straw breakdown. Very good resistance to mildew and net blotch. Good resistance to *Rhynchosporium*. Moderately resistant to brown rust.

- Cross: RGT Planet x LG Diablo
- Breeder/Agent: Limagrain (UK), Seed Technology Ltd.

SPINNER A very high yielding, moderately later maturing variety. Moderately resistant to lodging and straw breakdown. Very good resistance to mildew and net blotch. Good resistance to *Rhynchosporium*. Moderately resistant to brown rust.

- Cross: Laureate x Flyer
- Breeder/Agent: Secobra (FR), Goldcrop Ltd.