

## Spring Cereal Recommended Lists 2023



CROP POLICY, EVALUATION AND CERTIFICATION DIVISION  
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**An Roinn Talmhaíochta,  
Bia agus Mara**  
Department of Agriculture,  
Food and the Marine



## VARIETY RATINGS

Variety ratings are derived from the mean of data from the 2020 – 2022 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 **hagberg falling number, hectolitre weight, kernel content, 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 2023

AGRONOMIC & QUALITY CHARACTERISTICS*	RECOMMENDED						PROVISIONALLY RECOMMENDED	
	GANGWAY	GERALDINE	RGT PLANET	SKYWAY	SY AMITY	SY ERRIGAL	GRETCHEN	ROCKWAY
Relative yield ♦	98	104	102	105	104	102	103	104
Straw height (cm)	76.8	72.5	74.8	77.7	77.0	73.8	74.6	78.2
Resistance to lodging	6	7	5	5	7	7	(7)	(7)
Straw breakdown	7	6	4	4	6	6	(6)	(6)
Earliness of ripening	5	6	5	5	5	5	(6)	(5)
Resistance to:								
Mildew	8	8	8	8	8	8	(8)	(8)
<i>Rhynchosporium</i>	5	7	5	7	6	5	(7)	(7)
Brown Rust	6	6	5	6	6	7	(7)	(6)
Net Blotch	8	8	4	6	8	8	(8)	(7)
Quality:								
1,000 grain wt. (g)	48.8	50.4	50.6	50.5	53.8	50.0	53.1	50.6
Hectolitre wt. (kg/hl)	69.4	67.4	66.9	68.1	67.7	66.7	67.2	68.2
Screenings % (<2.2 mm)	1.2	1.2	1.3	1.0	0.8	1.2	1.0	0.9
Grain Protein %	10.4	10.4	10.2	10.1	10.3	10.3	10.5	10.2
Year First Listed	2018	2022	2017	2022	2022	2019	2023	2023

\* Based on trial results from 2020, 2021 and 2022.

♦ Yields are expressed as a percentage of the mean of RGT Planet and Gangway. (100= 8.16 t/ha @ 15% moisture content).



## NOTES ON VARIETIES

### RECOMMENDED

- GANGWAY** A moderately later maturing variety, with moderate resistance to lodging. 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.
- 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*. brown rust. Susceptible to net blotch.
- Cross: Tamtam x Concerto
  - Breeder/Agent: RAGT (UK), Goldcrop Ltd.
- SKYWAY** A very high yield potential variety. Moderately susceptible to lodging and susceptible to straw breakdown. A moderately later maturing variety. Very good resistance to mildew. Good resistance to *Rhynchosporium*. Moderately resistant to brown rust net blotch.
- Cross: RGT Planet x NOS 2105-11
  - Breeder/Agent: Nordic (DK), Drummonds Ltd.
- SY AMITY** A very high yield potential variety with good resistance to lodging. Moderately resistant to straw breakdown. A moderately later maturing variety with 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.



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

- Cross: Dragoon x Mickle
- Breeder/Agent: Syngenta (UK), Seed Technology Ltd.

#### PROVISIONALLY RECOMMENDED

**GRETCHEN** A 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 brown rust and *Rhynchosporium*.

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

**ROCKWAY** A high yielding, moderately later maturing variety. Good resistance to lodging and moderate resistance to 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.





### MALTING BARLEY VARIETY INFORMATION LIST 2023

AGRONOMIC & QUALITY CHARACTERISTICS	MALTING BARLEY VARIETIES			
	GANGWAY	LAUREATE	RGT PLANET	SY SPLENDOR
Relative yield ♦	99	102	101	102
Straw Height (cm)	74.6	69.8	74.6	72.8
Resistance to lodging	6	4	5	5
Straw breakdown	7	4	4	6
Earliness of ripening	5	5	5	5
<b>Resistance to:</b>				
Mildew	8	8	8	8
<i>Rhynchosporium</i>	5	7	5	5
Brown Rust	6	7	5	5
Net Blotch	8	8	4	7
<b>Quality:</b>				
1,000 grain wt. (g)	48.6	50.0	50.6	49.9
Hectolitre wt. (kg/hl)	69.5	66.4	67.1	68.0
Screenings% (<2.2 mm)	1.6	1.4	1.4	1.6
Protein %	10.8	10.6	10.4	10.3

♦ Based on specific Malting Barley trial results from 2020, 2021 and 2022.  
Yields are expressed as a percentage of the mean of RGT Planet and Gangway (100 = 8.33 t/ha @ 15% moisture content).



Malting barley varieties selected for growing in Ireland are determined by the malting industry and are specified in grower contracts. Decisions on the selection of varieties specified in grower contracts are on the basis of results from DAFM malting trials, in addition to detailed analyses of suitability for brewing and distilling.

**Descriptive notes on varieties on the Malting Barley Information List:**

- GANGWAY** A moderately later maturing variety, with moderate resistance to lodging. 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.
- LAUREATE:** A high yielding variety, susceptible to lodging and straw breakdown. Very good resistance to mildew and net blotch. Good resistance to *Rhynchosporium* and brown rust.
- Cross: Sanette x Concerto
  - Breeder/Agent: Syngenta Seeds Ltd (UK), Seed Technology 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*. brown rust. Susceptible to net blotch.
- Cross: Tamtam x Concerto
  - Breeder/Agent: RAGT (UK), Goldcrop Ltd.
- SY SPLENDOR** A high yielding variety, moderately susceptible to lodging and moderately resistant to straw breakdown. Very good resistance to mildew. Good resistance to net blotch. Moderately susceptible to *Rhynchosporium* and brown rust.
- Cross: Octavia x Dioptric
  - Breeder/Agent: Syngenta Seeds Ltd (UK), Seed Technology Ltd.