

# Spring Cereal Varieties



## Irish Recommended List 2021

CROP POLICY, EVALUATION AND CERTIFICATION DIVISION



An Roinn Talmhaíochta,  
Bia agus Mara  
Department of Agriculture,  
Food and the Marine

[www.agriculture.gov.ie](http://www.agriculture.gov.ie)







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## VARIETY RATINGS

Variety ratings are derived from the mean of data from the 2018 – 2020 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 WHEAT 2021

AGRONOMIC & QUALITY CHARACTERISTICS*	RECOMMENDED		PROVISIONALLY RECOMMENDED
	KWS STARLIGHT	KWS TALISKER	HEXHAM
Relative Yield ♦	98	102	104
Straw Height (cm)	68.7	70.1	66.3
Resistance to Lodging	8	5	(6)
Earliness of ripening	5	5	(5)
<b>Resistance to:</b>			
Mildew	6	6	(5)
Septoria spp.	6	6	(5)
Yellow rust	4	8	(8)
Sprouting	5	7	(7)
<b>Quality:</b>			
Grain protein content (%)	12.4	12.1	11.9
Hagberg falling number ♣	178	279	314
1000 grain weight (g)	44.7	45.9	46.4
Hectolitre weight (kg/hl)	79.5	77.6	76.9
Hardness index	Hard	Hard	Hard
<b>Year first listed</b>	<b>2020</b>	<b>2020</b>	<b>2021</b>

\* Based on trial results from **2018, 2019** and **2020**.

♦ Yields are expressed as a percentage of the mean of **KWS Starlight** and **KWS Talisker** (100 = 7.06 t/ha @ 15% moisture content).

♣ Based on results from **2017, 2018** and **2019**.



## NOTES ON VARIETIES

### RECOMMENDED

**KWS STARLIGHT:** A high yielding moderately later maturing variety. Very good resistance to lodging. Susceptible to yellow rust. Moderately resistant to mildew and *Septoria spp.* Moderately susceptible to sprouting. Excellent hectolitre weight.

- Cross: (KW 616-2-08 x KW 561-4-09) x KWS Mairra
- Breeder/Agent: KWS Lochow (DE), Seed Technology Ltd.

**KWS TALISKER:** A high yielding moderately later maturing variety. Moderately susceptible to lodging. Moderately resistant to mildew and *Septoria spp.* Very good resistance to yellow rust. Good resistance to sprouting. Good grain quality.

- Cross: KWS Westfield x Pepito
- Breeder/Agent: KWS (UK), Goldcrop Ltd.

### PROVISIONALLY RECOMMENDED

**HEXHAM** A very high yielding moderately later maturing variety. Moderately resistant to lodging. Moderately susceptible to mildew and *Septoria spp.* Very good resistance to yellow rust. Good resistance to sprouting. Good grain quality.

- Cross: KWS Westfield x KWS Flint
- Breeder/Agent: KWS (UK), Goldcrop Ltd.



## SPRING OATS 2021

AGRONOMIC & QUALITY CHARACTERISTICS*	RECOMMENDED			
	BARRA	DELFIN	HUSKY	WPB ISABEL
Relative Yield ♦	94	113	106	110
Straw height (cm)	93.3	93.4	91.3	95.5
Resistance to lodging	3	7	6	7
Straw breakdown	4	6	5	8
Earliness of ripening	6	7	8	6
Resistance to:				
Mildew	3	8	5	5
Crown rust	4	4	4	6
Quality:				
1000 grain weight (g)	35.8	41.5	37.2	39.6
Kernel content (%)	74.3	72.8	74.3	75.0
Hectolitre weight (kg/hl)	56.4	54.2	55.6	57.0
Year first listed	1985	2019	2009	2019

\* Based on trial results from **2018, 2019** and **2020**.

♦ Yields are expressed as a percentage of the mean of **Barra** and **Husky**.  
(100 = 6.27t/ha @ 15% moisture).



## NOTES ON VARIETIES

### RECOMMENDED

**BARRA:** A relatively low yielding variety that is very susceptible to lodging and susceptible to straw breakdown. Very susceptible to mildew and susceptible to crown rust. Excellent grain quality.

- Cross: Selma x KM1 MS
- Breeder/Agent: Svalöf Weibull (SE), Goldcrop Ltd.

**DELFIN:** A very high yielding early maturing variety. Good resistance to lodging and moderate resistance to straw breakdown. Very good resistance to mildew and susceptible to crown rust. Good grain quality.

- Cross: 07/107 x Canyon
- Breeder/Agent: Nordsaat (DE), Seed Technology Ltd.

**HUSKY:** A very early maturing, high yielding variety with moderate resistance to lodging. Moderately susceptible to straw breakdown. Moderately susceptible to mildew and susceptible to crown rust. Very good grain quality.

- Cross: Firth x Freddy
- Breeder/Agent: Nordsaat (DE), Seed Technology Ltd.

**WPB ISABEL:** A very high yielding variety. Good resistance to lodging and very good resistance to straw breakdown. Moderately susceptible to mildew. Moderately resistant to crown rust. Excellent grain quality.

- Cross: LW 03W038-06 x Husky
- Breeder/Agent: Wiersum (NL), Goldcrop Ltd.





## SPRING BARLEY 2021

AGRONOMIC & QUALITY CHARACTERISTICS*	RECOMMENDED			PROVISIONALLY RECOMMENDED	
	GANGWAY	RGT PLANET	SY ERRIGAL	PROSPECT	SY ARDERIN
Relative yield ♦	98	102	100	99	100
Straw height (cm)	67.6	67.0	65.5	66.1	64.5
Resistance to lodging	6	5	7	6	5
Straw breakdown	7	4	6	6	7
Earliness of ripening	5	5	5	6	5
Resistance to:					
Mildew	8	8	8	8	8
<i>Rhynchosporium</i>	5	5	5	7	6
Brown Rust	6	5	7	5	6
Net Blotch	8	5	8	6	7
Quality:					
1,000 grain wt. (g)	46.8	49.1	48.6	45.8	50.3
Hectolitre wt. (kg/hl)	67.9	66.1	65.6	66.2	66.0
Screenings % (<2.2 mm)	1.7	1.7	1.6	2.3	1.3
Grain Protein %	11.3	10.9	11.2	11.3	11.5
Year First Listed	2018	2017	2019	2019	2019

\* Based on trial results from **2018, 2019 and 2020.**

♦ Yields are expressed as a percentage of the mean of **RGT Planet and Gangway.**  
(100= 7.11 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.

**RGT PLANET:** A variety with very high yield potential. Moderately later maturing. Moderately susceptible to lodging and susceptible to straw breakdown. Very good resistance to mildew. Moderately susceptible to *Rhynchosporium*. brown rust and net blotch.

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

**PROSPECT:** A moderately early maturing variety. Moderately resistant to lodging and straw breakdown. Very good resistance to mildew. Moderately susceptible to brown rust. Good resistance to *Rhynchosporium* and moderate resistance to net blotch.

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

**SY ARDERIN:** A high yield potential variety with good resistance to straw breakdown. Moderately susceptible to lodging. A moderately later maturing variety with very good resistance to mildew. Good resistance to net blotch and moderate resistance to brown rust and *Rhynchosporium*.

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



## MALTING BARLEY VARIETY INFORMATION LIST 2021

AGRONOMIC & QUALITY CHARACTERISTICS	MALTING BARLEY VARIETIES		
	GANGWAY	LAUREATE	RGT PLANET
<b>Relative yield ♦</b>	<b>99</b>	<b>101</b>	<b>101</b>
Straw Height (cm)	68.4	64.5	69.2
Resistance to lodging	6	4	5
Straw breakdown	7	4	4
Earliness of ripening	5	5	5
<b>Resistance to:</b>			
Mildew	8	8	8
<i>Rhynchosporium</i>	5	7	5
Brown Rust	6	7	5
Net Blotch	8	8	5
<b>Quality:</b>			
1,000 grain wt. (g)	46.8	49.0	49.2
Hectolitre wt. (kg/hl)	68.2	65.7	66.5
Screenings% (<2.2 mm)	2.5	2.3	2.0
Protein %	11.8	11.7	11.3

♦ Based on specific Malting Barley trial results from **2018, 2019 and 2020.**

Yields are expressed as a percentage of the mean of **RGT Planet** and **Gangway** (100 = 7.4 t/ha @ 15% moisture content).



As malting barley in Ireland is grown under contract, the industry determines the availability of varieties. Decisions on varieties offered are based on results of malting and brewing tests carried out on varieties included in DAFM trials.

**Descriptive notes on varieties on the Malting Barley Information List but not on the 2021 Spring Barley Recommended List:**

**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.

\*For variety descriptions of Gangway and RGT Planet see Spring Barley Recommended List 2021.



## **RECOMMENDED LISTS**

- Cereal Varieties
- Herbages Varieties: (Grasses and Clover)
- Forage Maize Varieties
- Winter Oilseed Rape Varieties

## **CROPS SCHEMES AND SERVICES**

- Seed Certification
- Seed Testing

*The use of certified seed ensures a high level of varietal purity and germination.*

Recommended Lists can be obtained at the following link:

<https://www.gov.ie/en/publication/6bb51-crop-variety-evaluation/#recommended-list-trials-rl>

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