

# Spring Cereal Varieties



## Irish Recommended List 2022

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 2019 – 2021 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 2022

AGRONOMIC & QUALITY CHARACTERISTICS*	RECOMMENDED		PROVISIONALLY RECOMMENDED	
	HEXHAM	KWS TALISKER	KWS HELIUM	WPB DUNCAN
Relative Yield ♦	101	100	100	101
Straw Height (cm)	69.3	73.1	73.4	67.2
Resistance to Lodging	7	5	(6)	(5)
Earliness of ripening	5	5	(5)	(5)
<b>Resistance to:</b>				
Mildew	5	6	(7)	(7)
Septoria spp.	5	6	(6)	(6)
Yellow rust	8	8	(5)	(8)
Sprouting	7	7	(7)	(7)
<b>Quality:</b>				
Grain protein content (%)	11.5	11.5	12.0	11.2
Hagberg falling number ♣	280	253	236	315
1000 grain weight (g)	48.2	48.0	49.3	44.3
Hectolitre weight (kg/hl)	77.3	77.8	79.9	78.2
Hardness index	Hard	Hard	Hard	Hard
Year first listed	2021	2020	2022	2022

\* Based on trial results from **2019, 2020** and **2021**.

♦ Yields are expressed as a percentage of the yield of **KWS Talisker**.  
(100 = 8.25t/ha @ 15% moisture content).

♣ Based on results from **2018, 2019** and **2020**.



## NOTES ON VARIETIES

### RECOMMENDED

#### HEXHAM

A high yielding moderately later maturing variety. Good resistance 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.

#### 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

#### KWS HELIUM

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

- Cross: KW 620-3-10 x KWS Mairra) x KW 624-1-11
- Breeder/Agent: KWS Lochow (DE), Seed Technology. Ltd.

#### WPB DUNCAN

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

- Cross: (Quintus x WPB010W71-40) x KWS Westfield
- Breeder/Agent: Wiersum (NL), Goldcrop Ltd.



## SPRING OATS 2022

AGRONOMIC & QUALITY CHARACTERISTICS *	RECOMMENDED		
	BARRA	HUSKY	WPB ISABEL
Relative Yield ♦	94	106	106
Straw height (cm)	100.9	99.0	104.3
Resistance to lodging	3	6	7
Straw breakdown	4	5	8
Earliness of ripening	6	8	6
<b>Resistance to:</b>			
Mildew	3	5	5
Crown rust	4	4	5
<b>Quality:</b>			
1000 grain weight (g)	37.8	39.5	42.0
Kernel content (%)	73.4	73.1	73.0
Hectolitre weight (kg/hl)	57.3	56.8	58.6
Year first listed	1985	2009	2019

\* Based on trial results from **2019, 2020** and **2021**.

♦ Yields are expressed as a percentage of the mean of **Barra** and **Husky**.  
(100 = 7.40t/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.

#### 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 high yielding variety. Good resistance to lodging and very good resistance to straw breakdown. Moderately susceptible to mildew and crown rust. Excellent grain quality.

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





### SPRING BARLEY 2022

AGRONOMIC & QUALITY CHARACTERISTICS*	RECOMMENDED			PROVISIONALLY RECOMMENDED		
	GANGWAY	RGT PLANET	SY ERRIGAL	GERALDINE	SKYWAY	SY AMITY
Relative yield ♦	99	101	102	105	104	104
Straw height (cm)	77.1	74.3	73.8	72.1	76.1	75.8
Resistance to lodging	6	5	7	(7)	(5)	(7)
Straw breakdown	7	4	6	(6)	(5)	(6)
Earliness of ripening	5	5	5	(6)	(5)	(5)
<b>Resistance to:</b>						
Mildew	8	8	8	(8)	(8)	(8)
<i>Rhynchosporium</i>	5	5	5	(7)	(7)	(6)
Brown Rust	6	5	7	(7)	(7)	(7)
Net Blotch	8	5	8	(8)	(6)	(8)
<b>Quality:</b>						
1,000 grain wt. (g)	47.5	49.1	48.7	49.2	49.1	52.5
Hectolitre wt. (kg/hl)	68.1	65.6	65.4	66.1	66.6	66.5
Screenings % (<2.2 mm)	1.4	1.7	1.4	1.4	1.2	1.0
Grain Protein %	10.7	10.5	10.6	10.6	10.4	10.4
Year First Listed	2018	2017	2019	2022	2022	2022

\* Based on trial results from 2019, 2020 and 2021.

♦ 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.

**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 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

**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 brown rust and *Rhynchosporium*.

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

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

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

## **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/collection/68b24-crops/#crop-variety-evaluation>

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

Agriculture House  
Kildare Street  
Dublin 2  
DO2 WK12  
Ireland

Áras Talmhaíochta  
Sráid Chill Dara  
Baile Átha Cliath  
DO2 WK12  
Éire

Telephone +353 (0)1 607 2000  
Fax +353 (0)1 661 6263  
[info@agriculture.gov.ie](mailto:info@agriculture.gov.ie)

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