

# Spring Cereal Recommended Lists 2023



CROP POLICY, EVALUATION AND CERTIFICATION DIVISION  
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## 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 WHEAT 2023

AGRONOMIC & QUALITY CHARACTERISTICS*	RECOMMENDED		PROVISIONALLY RECOMMENDED	
	KWS HELIUM	WPB DUNCAN	KWS FIXUM	WPB ESCAPE
Relative Yield <sup>♦</sup>	101	100	105	103
Straw Height (cm)	73.5	66.8	69.3	62.4
Resistance to Lodging	(6)	(5)	(6)	(7)
Earliness of ripening	(5)	(5)	(5)	(5)
<b>Resistance to:</b>				
Mildew	(7)	(7)	(6)	(6)
Septoria spp.	(5)	(6)	(6)	(6)
Yellow rust	(5)	(8)	(7)	(7)
Sprouting	(7)	(7)	(7)	(5)
<b>Quality:</b>				
Grain protein content (%)	11.8	11.2	11.5	11.5
Hagberg falling number <sup>♣</sup>	200	290	230	273
1000 grain weight (g)	50.1	45.7	49.2	47.4
Hectolitre weight (kg/hl)	79.8	78.4	77.2	78.1
Hardness index	Hard	Hard	Hard	Hard
Year first listed	2022	2022	2023	2023

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

♦ Yields are expressed as a percentage of the yield of WPB DUNCAN.  
(100 = 8.64t/ha @ 15% moisture content).

♣ Based on results from **2019, 2020** and **2021**.



## NOTES ON VARIETIES

### RECOMMENDED

#### KWS HELIUM

A high yielding moderately later maturing variety. Moderately resistant to lodging. Good resistance to mildew. Moderately susceptible 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.

### PROVISIONALLY RECOMMENDED

#### KWS FIXUM

A high yielding moderately later maturing variety. Moderately resistant to lodging. Moderately resistant to mildew and *Septoria spp.* Good resistance to yellow rust and sprouting.

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

#### WPB ESCAPE

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

- Cross: (KWS Westfield x Quintus) x WPB 08SW039-05
- Breeder/Agent: Wiersum (NL), Goldcrop Ltd.



## SPRING OATS 2023

AGRONOMIC & QUALITY CHARACTERISTICS*	RECOMMENDED	
	HUSKY	WPB ISABEL
Relative Yield ♦	100	100
Straw height (cm)	100.0	104.9
Resistance to lodging	6	7
Straw breakdown	5	8
Earliness of ripening	8	6
Resistance to:		
Mildew	5	5
Crown rust	4	5
Quality:		
1000 grain weight (g)	40.6	43.2
Kernel content (%)	71.6	71.5
Hectolitre weight (kg/hl)	57.5	58.9
Year first listed	2009	2019

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

♦ Yields are expressed as a percentage of the mean of **Husky** and **WPB Isabel**.  
(100 = 8.23t/ha @ 15% moisture).



## NOTES ON VARIETIES

### RECOMMENDED

#### 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 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)
<b>Resistance to:</b>								
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)
<b>Quality:</b>								
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.