

Spring Cereal Recommended Lists 2023



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 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 ♦	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)
Resistance to:				
Mildew	(7)	(7)	(6)	(6)
Septoria spp.	(5)	(6)	(6)	(6)
Yellow rust	(5)	(8)	(7)	(7)
Sprouting	(7)	(7)	(7)	(5)
Quality:				
Grain protein content (%)	11.8	11.2	11.5	11.5
Hagberg falling number ♣	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.