



Winter Wheat and Winter Oats Recommended Lists 2021



CROP POLICY, EVALUATION AND CERTIFICATION DIVISION

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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 are 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.



WINTER WHEAT 2021

AGRONOMIC & QUALITY CHARACTERISTICS*	RECOMMENDED					PROVISIONALLY RECOMMENDED
	COSTELLO	GRAHAM	JB DIEGO	KWS CONROS	TORP	SY INSITOR
Relative Yield ♦	97	103	97	98	100	102
Straw Height (cm)	67.6	74.7	75.1	74.6	75.6	75.5
Resistance to lodging	8	7	6	8	7	(7)
Straw breakdown	7	5	7	8	6	(6)
Earliness of ripening	6	7	6	5	5	(6)
Resistance to:						
Mildew	8	8	6	8	5	(7)
Septoria spp.	5	6	4	5	7	(5)
Yellow rust	8	7	4	8	4	(7)
Fusarium ear blight	7	5	6	4	4	(6)
Sprouting	8	6	7	7	6	(4)
Quality:						
Grain Protein % (15%MC)	10.7	10.5	10.6	10.5	10.2	10.1
Hagberg Falling No. ♠	388	310	368	323	294	311
1000 grain weight (g)	47.3	48.6	47.9	44.0	46.6	45.7
Hectolitre weight (kg/hl)	77.5	74.5	75.1	75.8	72.4	74.8
Market +	F	F	F	F	F	F
Year First Listed	2017	2020	2010	2019	2018	2021

*Based on results from 2018, 2019 and 2020.

♦ Yields are expressed as a percentage of the mean **JB Diego and Graham** (100 = 11.01t/ha @ 15% moisture content).

♠ Based on results from harvests 2018 and 2019.

+ F - Feed quality.

() Limited Data.



NOTES ON VARIETIES

RECOMMENDED

- COSTELLO:** A moderately early maturing variety with very good resistance to lodging and good resistance to straw breakdown. Very good resistance to mildew and yellow rust, good resistance to fusarium ear blight and moderately susceptible to *Septoria tritici*. Very good resistance to sprouting. Very good hectolitre weight.
- Parentage: CPBTW151 X CPBT W134
 - Breeder/Agent: KWS (UK), Goldcrop Ltd.
- GRAHAM:** A very high yielding early maturing variety with good resistance to lodging and moderate susceptibility to straw breakdown. Very good resistance to mildew. Moderate resistance to *Septoria tritici*. Good resistance to yellow rust. Moderately susceptible to fusarium ear blight. Moderately resistant to sprouting. Good hectolitre weight.
- Parentage: Premio x Expert
 - Breeder/Agent: Syngenta (UK), Seed Technology Ltd.
- JB DIEGO:** A moderately early maturing variety with moderate resistance to lodging and good resistance to straw breakdown. Moderately resistant to mildew and fusarium ear blight. Susceptible to *Septoria tritici* and yellow rust. Good resistance to sprouting. Good grain quality with a good hectolitre weight.
- Parentage: 3351b1 X Stru2374
 - Breeder/Agent: Breun (DE), Germinal Ireland.
- KWS CONROS:** A moderately late maturing variety with very good resistance to lodging and straw breakdown. Very good resistance to mildew and yellow rust and moderately susceptible to *Septoria tritici*. Good resistance to sprouting and susceptible to fusarium ear blight. Low thousand grain weight with a good hectolitre weight.
- Parentage: Skalmeye X CPBT W134
 - Breeder/Agent: KWS (UK), Goldcrop Ltd.
- TORP:** A high yielding, moderately late maturing variety. Good resistance to lodging and moderate resistance to straw breakdown. Good resistance to *Septoria tritici*. Moderately susceptible to mildew. Susceptible to fusarium ear blight and yellow rust. Moderately resistant to sprouting. Moderate grain quality with a low hectolitre weight.
- Parentage: Ambition X Symbol
 - Breeder/Agent: Nordic Seeds (DK), Drummonds Ltd.



PROVISIONALLY RECOMMENDED

SY INSITOR:

A very high yielding moderately early maturing variety with good resistance to lodging and moderately resistant to straw breakdown. Good resistance to mildew. Moderately susceptible to *Septoria tritici*. Good resistance to yellow rust. Moderately resistant to fusarium ear blight. Susceptible to sprouting. Good hectolitre weight.

- Parentage: Hereford x AB111-1011
- Breeder/Agent: Syngenta (UK), Seed Technology Ltd.



AGRONOMIC & QUALITY CHARACTERISTICS*	RECOMMENDED					
	BARRA	DELFIN	HUSKY	KEELY	RGT SOUTHWARK	WPB ISABEL
Relative Yield ♦	95	111	105	104	106	104
Straw height (cm)	107.1	102.1	103.9	105.2	104.5	105.2
Resistance to lodging	4	(7)	7	5	(4)	(7)
Straw breakdown	4	5	5	4	4	7
Earliness of ripening	5	6	8	8	4	5
Winter hardiness**	3	-	5	-	W	-
Resistance to:						
Mildew	3	8	5	5	4	5
Crown rust	4	4	4	4	8	6
Grain quality:						
Kernel content (%)	75.6	73.6	75.9	75.7	75.2	76.5
1000 grain weight (g)	36.2	43.7	37.5	37.1	37.5	39.8
Hectolitre weight (kg/hl)	57.3	55.6	57.2	57.5	55.8	58.4
Year First Listed	1986	2019	2010	2018	2019	2020

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

♦ Yields are expressed as a percentage of the mean of **Barra** and **Husky** (100 = 7.96t/ha @ 15% moisture content).

- No data.

() Limited Data.

W True winter variety.

** Winter hardiness scores for Barra and Husky are based on robust data from Spring 2011.

All varieties other than RGT Southwark are Spring type varieties sown in winter. Prolonged severe frost or harsh winds can seriously damage spring varieties sown in winter and may cause drastic reduction in yield or even crop failure.



NOTES ON VARIETIES

RECOMMENDED

BARRA: A moderately late maturing, spring type variety that is moderate yielding. Susceptible to lodging and straw breakdown. Very good grain quality. Very susceptible to mildew and susceptible to crown rust.

- Parentage: Selma X KM1 MS
- Breeder/Agent: SW Seeds AB (SE), Goldcrop Ltd.

DELFIN: A very high yielding, moderately early maturing, spring type, yellow husked variety. Good resistance to lodging and moderate resistance to straw breakdown. Good grain quality. Very good resistance to mildew and susceptible to crown rust.

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

HUSKY: An early maturing, spring type variety with high yield potential. Short straw with good resistance to lodging and moderate susceptibility to straw breakdown. Very good grain quality. Moderately susceptible to mildew and susceptible to crown rust.

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

KEELY: An early maturing, spring type variety with high yield potential. Short straw with moderate susceptibility to lodging and susceptibility straw breakdown. Very good grain quality. Moderately susceptible to mildew and susceptible to crown rust.

- Parentage: 06/114 X Scorpion
- Breeder/Agent: Nordsaat (DE), Goldcrop Ltd.

RGT SOUTHWARK: A late maturing **winter type** variety, with high yield potential. Susceptible to lodging and straw breakdown. Good grain quality. Very good resistance to crown rust and susceptible to mildew.

- Parentage: (932536 X 24062) X 24082
- Breeder/Agent: RAGT (UK), Goldcrop Ltd.



WPB ISABEL: A high yielding, moderately late maturing, spring type variety. Good resistance to lodging and straw breakdown. Moderately susceptible to mildew. Moderately resistant to crown rust. Very good grain quality with a very good hectolitre weight.

- Parentage: LW 03E038-06 X Husky
- Breeder/Agent: Wiersum (NL), Goldcrop Ltd.