



Winter Wheat and Winter Oats Recommended Lists 2022



CROP POLICY, EVALUATION AND CERTIFICATION DIVISION

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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 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 2022

| AGRONOMIC & QUALITY CHARACTERISTICS* | RECOMMENDED | | | | | | PROVISIONALLY RECOMMENDED |
|--------------------------------------|-------------|-------------|-------------|-------------|-------------|-------------|---------------------------|
| | COSTELLO | GRAHAM | JB DIEGO | KWS CONROS | SY INSITOR | TORP | SPEARHEAD |
| Relative Yield ♦ | 95 | 103 | 97 | 96 | 103 | 101 | 104 |
| Straw Height (cm) | 71.4 | 79.2 | 79.3 | 78.3 | 78.9 | 80.5 | 78.3 |
| Resistance to lodging | 8 | 7 | 6 | 8 | 6 | 7 | (6) |
| Straw breakdown | 7 | 5 | 7 | 8 | 6 | 6 | (6) |
| Earliness of ripening | 6 | 7 | 6 | 5 | 6 | 5 | (6) |
| Resistance to: | | | | | | | |
| Mildew | 8 | 8 | 6 | 8 | 7 | 5 | (8) |
| Septoria spp. | 4 | 6 | 4 | 4 | 5 | 6 | (5) |
| Yellow rust | 8 | 7 | 4 | 8 | 7 | 4 | (7) |
| Fusarium ear blight | 7 | 5 | 6 | 4 | 6 | 4 | - |
| Sprouting | 8 | 6 | 7 | 7 | 4 | 6 | (4) |
| Quality: | | | | | | | |
| Grain Protein % (15%MC) | 10.4 | 10.1 | 10.2 | 10.2 | 9.6 | 9.8 | 9.8 |
| Hagberg Falling No.♠ | 319 | 237 | 271 | 296 | 195 | 209 | 141 |
| 1000 grain weight (g) | 48.0 | 52.0 | 49.2 | 44.6 | 47.4 | 48.5 | 50.6 |
| Hectolitre weight (kg/hl) | 79.3 | 76.4 | 76.5 | 77.4 | 76.4 | 73.6 | 74.6 |
| Market + | F | F | F | F | F | F | F |
| Year First Listed | 2017 | 2020 | 2010 | 2019 | 2021 | 2018 | 2022 |

*Based on results from 2019, 2020 and 2021.

♦ Yields are expressed as a percentage of the mean **JB Diego and Graham** (100 = 11.34t/ha @ 15% moisture content).

- No data.

♠ Based on results from harvests 2019 and 2020.

+ F - Feed quality.

() Limited Data.



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 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 susceptible to *Septoria tritici*. Good resistance to sprouting and susceptible to fusarium ear blight. Low thousand grain weight with a good hectolitre weight.

- Parentage: Skalmeje X CPBT W134
- Breeder/Agent: KWS (UK), Goldcrop Ltd.

SY INSITOR: A very high yielding moderately early maturing variety with moderate resistance to lodging and 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.



TORP: A high yielding, moderately late maturing variety. Good resistance to lodging and moderate resistance to straw breakdown. Moderate 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

SPEARHEAD: A very high yielding moderately early maturing variety. Moderate resistance to lodging and straw breakdown. Very good resistance to mildew. Moderately susceptible to *Septoria tritici*. Good resistance to yellow rust. Susceptible to sprouting. Moderate grain quality.

- Parentage: Freiston x Dickens
- Breeder/Agent: Elsoms (UK), Drummonds Ltd.



WINTER OATS 2022

| AGRONOMIC & QUALITY CHARACTERISTICS* | RECOMMENDED | | |
|--------------------------------------|-------------|-------------|-------------|
| | BARRA | HUSKY | WPB ISABEL |
| Relative Yield ♦ | 96 | 104 | 103 |
| Straw height (cm) | 119.5 | 113.6 | 116.1 |
| Resistance to lodging | 4 | 7 | 7 |
| Straw breakdown | 4 | 5 | 7 |
| Earliness of ripening | 5 | 8 | 5 |
| Winter hardiness** | 3 | 5 | - |
| Resistance to: | | | |
| Mildew | 3 | 5 | 5 |
| Crown rust | 4 | 4 | 5 |
| Grain quality: | | | |
| Kernel content (%) | 74.8 | 75.4 | 75.9 |
| 1000 grain weight (g) | 38.5 | 39.3 | 41.9 |
| Hectolitre weight (kg/hl) | 57.8 | 57.0 | 58.3 |
| Year First Listed | 1986 | 2010 | 2020 |

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

♦ Yields are expressed as a percentage of the mean of Barra and Husky (100 = 8.80t/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 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.

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.

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

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