



WINTER BARLEY 2020

| AGRONOMIC & QUALITY CHARACTERISTICS * | RECOMMENDED | | | | | | | PROVISIONALLY RECOMMENDED | |
|---------------------------------------|-------------|-------------|-------------|--------------|-------------|-------------|-------------|---------------------------|-------------|
| | BAZOOKA | BELFRY | KWS CASSIA | KWS INFINITY | KWS KOSMOS | PIXEL | QUADRA | LG CASTING | VALERIE |
| Relative Yield ♣ | 109 | 110 | 95 | 97 | 107 | 107 | 108 | 101 | 100 |
| Varietal Type | 6R(H) | 6R(H) | 2R | 2R | 6R | 6R | 6R(H) | 2R | 2R |
| Straw Height (cm) | 102.2 | 95.4 | 83.6 | 79.2 | 98.5 | 85.1 | 94.9 | 77.5 | 78.1 |
| Resistance to Lodging | (7) | (7) | 7 | 7 | 6 | (7) | 7 | (7) | (7) |
| Straw Breakdown | 5 | 6 | 6 | 6 | 4 | 4 | 5 | (5) | (6) |
| Earliness of Ripening | 7 | 7 | 6 | 6 | 7 | 8 | 7 | (7) | (8) |
| Resistance to: | | | | | | | | | |
| Mildew | 6 | 6 | 5 | 5 | 8 | 7 | 7 | (8) | (7) |
| <i>Rhynchosporium</i> | (8) | (8) | 4 | 7 | 7 | (7) | 7 | (7) | (8) |
| Brown Rust | 7 | 7 | 7 | 7 | 7 | 7 | 6 | (7) | (7) |
| Net Blotch | 7 | 7 | 7 | 7 | 7 | 6 | 7 | (7) | (7) |
| Grain quality: | | | | | | | | | |
| Screenings % (<2.2mm) | 3.3 | 2.9 | 2.3 | 2.7 | 2.0 | 2.0 | 3.0 | 2.9 | 1.2 |
| 1000 grain weight (g) | 46.4 | 46.6 | 52.9 | 54.0 | 49.3 | 46.5 | 45.5 | 50.6 | 56.9 |
| Hectolitre weight (kg/hl) | 68.5 | 68.5 | 69.9 | 67.7 | 66.7 | 67.2 | 68.4 | 68.4 | 69.7 |
| Year First Listed | 2019 | 2019 | 2011 | 2016 | 2018 | 2019 | 2016 | 2020 | 2020 |

* Based on trial results from **2017, 2018** and **2019**.

♣ Yields are expressed as a percentage of the mean of **KWS Cassia, KWS Infinity** and **Quadra** (100 = 9.40t/ha @ 15% moisture content).

() Limited Data.



NOTES ON VARIETIES

RECOMMENDED

BAZOOKA:

An early maturing hybrid six-row variety with very high yield potential. Very long straw with good resistance to lodging. Moderately susceptible to straw breakdown. Very good resistance to *Rhynchosporium*. Moderate resistance to mildew and good resistance to brown rust and net blotch. Small grain size with a good hectolitre weight.

- Cross: F1 Hybrid
- Breeder/Agent: Syngenta (UK), Seed Technology Ltd.

BELFRY:

An early maturing hybrid six-row variety with very high yield potential. Long straw with good resistance to lodging and moderate resistance to straw breakdown. Very good resistance to *Rhynchosporium*. Moderate resistance to mildew. Good resistance to brown rust and net blotch. Small grain size with a good hectolitre weight.

- Cross: F1 Hybrid
- Breeder/Agent: Syngenta (UK), Seed Technology Ltd.

KWS CASSIA:

A moderately early maturing two-row variety. Short straw with good resistance to lodging and moderate resistance to straw breakdown. Moderately susceptible to mildew and susceptible to *Rhynchosporium*. Good resistance to brown rust and net blotch. Very good grain quality with a very good hectolitre weight.

- Cross: (Eden X Carat) X Saffron
- Breeder/Agent: KWS (UK), Goldcrop Ltd.

KWS INFINITY:

A moderately early maturing two-row variety. Short straw with good resistance to lodging and moderate resistance to straw breakdown. Moderately susceptible to mildew and good resistance to *Rhynchosporium*, brown rust and net blotch. Large grain size with good grain quality.

- Cross: KWS Cassia X Retriever
- Breeder/Agent: KWS (UK), Goldcrop Ltd.

KWS KOSMOS:

An early maturing six-row conventional variety with very high yield potential. Long straw with moderate resistance to lodging. Susceptible to straw breakdown. Very good resistance to mildew and good resistance to brown rust, *Rhynchosporium* and net blotch. Reasonable hectolitre weight.

- Cross: G1530/06 X KWS Meridian
- Breeder/Agent: KWS Lochow (DE), Seed Technology Ltd.



PIXEL: A very early maturing conventional six-row variety with very high yield potential. Moderately short straw with good resistance to lodging. Susceptible to straw breakdown. Good resistance to mildew, *Rhynchosporium*, and brown rust. Moderate resistance to net blotch. Small grain size with a good hectolitre weight.

- Cross: Etincel x (Henriette x Limpid)
- Breeder/Agent: Secobra (FR), Goldcrop Ltd.

QUADRA: An early maturing hybrid six-row variety with very high yield potential. Long straw with good resistance to lodging. Moderately susceptible to straw breakdown. Moderately resistant to brown rust. Good resistance to mildew, *Rhynchosporium* and net blotch. Small grain size with a good hectolitre weight.

- Cross: F1 Hybrid
- Breeder/Agent: Syngenta (UK), Seed Technology Ltd.

PROVISIONALLY RECOMMENDED

LG CASTING: An early maturing two-row variety with high yield potential. Short straw with good resistance to lodging. Moderately susceptible to straw breakdown. Good resistance to *Rhynchosporium*, brown rust and net blotch. Very good resistance to mildew. Good hectolitre weight.

- Cross: California x NSL07-6654-D
- Breeder/Agent: Limagrain (UK), Seed Technology Ltd.

VALERIE: A very early maturing two row-variety with high yield potential. Short straw with good resistance to lodging and moderate resistance to straw breakdown. Very good resistance to *Rhynchosporium*. Good resistance to brown rust, mildew and net blotch. Very good grain quality with a large grain size and a very good hectolitre weight.

- Cross: 207-589 x Sandra
- Breeder/Agent: Breun (DE), Goldcrop Ltd.