



### 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)
<b>Resistance to:</b>									
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)
<b>Grain quality:</b>									
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
<b>Year First Listed</b>	<b>2019</b>	<b>2019</b>	<b>2011</b>	<b>2016</b>	<b>2018</b>	<b>2019</b>	<b>2016</b>	<b>2020</b>	<b>2020</b>

\* 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.