



WINTER BARLEY 2019

AGRONOMIC & QUALITY CHARACTERISTICS*	RECOMMENDED						PROVISIONALLY RECOMMENDED		
	KWS CASSIA	KWS INFINITY	KWS KOSMOS	KWS TOWER	QUADRA	VOLUME	BAZOOKA	BELFRY	PIXEL
Relative Yield ♣	97	99	105	98	105	105	107	108	106
Varietal Type	2R	2R	6R	2R	6R(H)	6R(H)	6R(H)	6R(H)	6R
Straw Height (cm)	85.5	82.0	98.5	84.3	96.1	96.8	103.7	96.5	84.1
Resistance to Lodging	7	7	6	7	7	6	(7)	(7)	(7)
Straw Breakdown	6	6	4	5	5	3	(5)	(5)	(4)
Earliness of Ripening	6	6	7	6	7	7	(7)	(7)	(7)
<b>Resistance to:</b>									
Mildew	5	5	8	6	7	6	(6)	(6)	(7)
<i>Rhynchosporium</i>	4	7	7	6	7	7	(8)	(8)	(7)
Brown Rust	7	7	7	6	6	6	(7)	(7)	(7)
Net Blotch	7	7	7	3	7	7	(7)	(7)	(6)
<b>Grain quality:</b>									
Screenings % (<2.2mm)	1.9	2.4	1.9	2.4	3.3	5.6	3.1	2.7	2.0
1000 grain weight (g)	54.7	55.5	49.3	57.4	45.8	42.7	46.8	46.9	46.0
Hectolitre weight (kg/hl)	69.8	68.0	66.2	67.1	68.0	67.0	68.2	68.3	67.0
<b>Year First Listed</b>	<b>2011</b>	<b>2016</b>	<b>2018</b>	<b>2015</b>	<b>2016</b>	<b>2012</b>	<b>2019</b>	<b>2019</b>	<b>2019</b>

\* Based on trial results from 2016, 2017 and 2018

♣ Yields are expressed as a percentage of the mean of KWS Cassia, KWS Tower and Quadra (100 = 9.49 t/ha @ 15% moisture content)



## NOTES ON VARIETIES

### RECOMMENDED

#### KWS CASSIA:

A moderately early maturing British feed variety with high yield potential. 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 British feed variety with high yield potential. 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 German 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. Moderate grain quality with a reasonable hectolitre weight.

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

#### KWS TOWER:

A moderately early maturing British feed variety with high yield potential. Short straw with good resistance to lodging and moderate susceptibility to straw breakdown. Very susceptible to net blotch and moderately resistant to *Rhynchosporium*, brown rust and mildew. Large grain size with good grain quality.

- Cross: Saffron X Retriever
- Breeder/Agent: KWS UK, Goldcrop Ltd



**QUADRA:** An early maturing hybrid six-row British feed 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, Seed Technology Ltd.

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

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

### PROVISIONALLY RECOMMENDED

**BAZOOKA:** An early maturing hybrid six-row British 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, Seed Technology Ltd.

**BELFRY:** An early maturing hybrid six-row British variety with very high yield potential. Long straw with good resistance to lodging and moderately susceptible 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, Seed Technology Ltd.

**PIXEL:** An early maturing conventional six-row British variety with very high yield potential. 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, Goldcrop Ltd.