

## WINTER BARLEY 2018

AGRONOMIC & QUALITY CHARACTERISTICS*	RECOMMENDED						PROVISIONALLY RECOMMENDED
	KWS CASSIA	KWS INFINITY	KWS TOWER	LEIBNIZ	QUADRA	VOLUME	KWS KOSMOS
Relative Yield ♣	97	101	100	103	108	107	107
Varietal Type	2R	2R	2R	6R	6R (H)	6R (H)	6R
Straw Height (cm)	91.9	88.0	91.0	111.1	104.0	105.5	106.8
Resistance to Lodging	7	7	7	6	7	6	(6)
Straw Breakdown	6	6	5	4	5	4	(4)
Earliness of Ripening	6	6	6	6	7	7	(7)
<b>Resistance to:</b>							
Mildew	5	5	6	6	7	6	(8)
<i>Rhynchosporium</i>	4	7	6	7	7	7	(7)
Brown Rust	7	7	6	3	6	6	(7)
Net Blotch	7	7	5	7	7	7	(7)
<b>Grain quality:</b>							
1000 grain weight (g)	57.5	58.1	59.6	51.1	47.9	44.3	51.3
Hectolitre weight (kg/hl)	69.8	67.6	66.9	65.6	67.7	66.4	65.6
<b>Year First Listed</b>	<b>2011</b>	<b>2016</b>	<b>2015</b>	<b>2010</b>	<b>2016</b>	<b>2012</b>	<b>2018</b>

\* Based on trial results from **2015, 2016 and 2017**

♣ Yields are expressed as a percentage of the mean of **Leibniz, KWS Cassia & KWS Tower** (100 = 9.98 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 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. Moderately 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

#### LEIBNIZ:

A conventional six-row German feed variety with high yield potential. Long straw with moderate resistance to lodging. Susceptible to straw breakdown. Moderately resistant to mildew with good resistance to *Rhynchosporium* and net blotch. Very susceptible to brown rust. Moderate grain quality with a reasonable hectolitre weight.

- Cross: LP 6-936 X BCym 5
- Breeder/Agent: KWS Lochow, Seed Technology 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 Seeds Ltd, 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. 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 Seeds Ltd, Seed Technology Ltd.

#### **PROVISIONALLY RECOMMENDED**

#### **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.