



WINTER WHEAT 2019

AGRONOMIC & QUALITY CHARACTERISTICS*	RECOMMENDED								PROVISIONALLY RECOMMENDED
	AVATAR	BENNINGTON	COSTELLO	GARRUS	JB DIEGO	KWS LILI	KWS LUMOS	TORP	KWS CONROS
Relative Yield ♦	100	103	100	101	100	99	99	102	102
Straw Height (cm)	78.9	79.1	69.3	72.7	77.0	69.0	71.5	75.9	78.4
Resistance to lodging	7	7	8	7	6	8	8	7	(8)
Straw breakdown	7	8	7	6	7	7	7	6	(8)
Earliness of ripening	5	6	6	5	6	4	7	5	(5)
Resistance to:									
Mildew	5	6	8	8	6	8	7	5	(8)
Septoria spp.	4	6	5	6	5	6	5	7	(5)
Yellow rust	7	6	8	4	5	6	7	6	(8)
Fusarium ear blight	6	7	7	6	6	4	5	4	-
Sprouting	4	5	8	4	7	6	7	6	(7)
Quality:									
Grain Protein % (15%MC)	10.2	10.7	10.8	10.2	10.6	10.3	10.8	10.1	10.3
Hagberg Falling No.♠	188	185	290	104	282	283	287	184	267
1000 grain weight (g)	46.9	48.5	46.7	45.3	48.1	43.9	43.8	47.0	42.9
Hectolitre weight (kg/hl)	77.1	76.4	79.4	75.6	77.2	76.2	77.8	74.0	77.3
Market +	F	F	F	F	F	Br	Br	F	F
Year First Listed	2013	2018	2017	2017	2010	2016	2014	2018	2019

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

♦ Yields are expressed as a percentage of the mean **JB Diego & Avatar** (100 = 11.21 t/ha @ 15% moisture content).

♠ Based on results from harvests 2016 and 2017.

- No Data.

+ **Br** - Bread-making potential. **F** - Feed quality.

() Limited Data.



NOTES ON VARIETIES

RECOMMENDED

- AVATAR:** A British variety with a moderately long straw and good resistance to lodging and straw breakdown. Moderately late maturing. Moderately susceptible to mildew and susceptible to *Septoria tritici*. Susceptible to sprouting. Grain of feed quality with good hectolitre weight.
- Parentage: Istabraq X Lion
 - Breeder/ Agent: Limagrain UK, Goldcrop Ltd.
- BENNINGTON:** A high yielding British variety with moderately long straw, good resistance to lodging and very good resistance to straw breakdown. Moderate resistance to mildew, *Septoria tritici* and yellow rust. Good resistance to fusarium. Moderately susceptible to sprouting.
- Parentage: Alchemy X Battalion
 - Breeder/ Agent: Elsoms UK, Germinal Ireland.
- COSTELLO:** A British variety with short straw, very good resistance to lodging and good resistance to straw breakdown. Very good resistance to mildew and yellow rust, good resistance to fusarium and moderately susceptible to *Septoria tritici*. Very good resistance to sprouting. Very good hectolitre weight.
- Parentage: CPBTW151 X CPBT W134
 - Breeder/ Agent: KWS UK, Goldcrop Ltd.
- GARRUS:** A high yielding British variety with moderately short straw, good resistance to lodging and moderate resistance to straw breakdown. Moderately late maturing. Very good resistance to Mildew, moderate resistance to *Septoria tritici* and fusarium. Susceptible to yellow rust and sprouting.
- Parentage: Lear X Oakley
 - Breeder/ Agent: Limagrain UK, Seed Technology Ltd.
- JB DIEGO:** A German variety with moderately short straw, moderate resistance to lodging and good resistance to straw breakdown. Moderately resistant to mildew and fusarium. Moderately susceptible to *Septoria tritici* and yellow rust. Good resistance to sprouting. Grain of feed quality with high thousand grain weight and good hectolitre weight.
- Parentage: 3351b1 X Stru2374
 - Breeder/ Agent: Breun, Germinal Ireland.



KWS LILI: A late maturing British variety with short straw. Very good resistance to lodging and good resistance to straw breakdown. Very good resistance to mildew and moderate resistance to *Septoria tritici* and yellow rust. Susceptible to fusarium. Moderate resistance to sprouting. Grain of bread quality.

- Parentage: KWS Horizon X CPBT W134
- Breeder/ Agent: KWS UK, Goldcrop Ltd.

KWS LUMOS: A British variety with moderately short straw, very good resistance to lodging and good resistance to straw breakdown. Good resistance to mildew and yellow rust with moderate susceptibility to fusarium and *Septoria tritici*. Good resistance to sprouting. Very good grain quality, with a low thousand grain weight and a very good hectolitre weight.

- Parentage: Cordiale X Dover
- Breeder/ Agent: KWS UK, Goldcrop Ltd.

TORP: A high yielding, moderately late maturing Danish variety. Good resistance to lodging and moderate resistance to straw breakdown. Good resistance to *Septoria tritici*, moderate resistance to yellow rust and moderately susceptible to mildew. Susceptible to fusarium and 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

KWS CONROS: A high yielding, moderately late maturing British variety. Moderately tall with very good resistance to lodging and straw breakdown. Very good resistance to mildew and yellow rust and moderately susceptible to *Septoria tritici*. Good resistance to sprouting. Low thousand grain weight with a good hectolitre weight.

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