



### SPRING BARLEY 2019

AGRONOMIC & QUALITY CHARACTERISTICS*	RECOMMENDED					PROVISIONALLY RECOMMENDED					
	GANGWAY	KWS IRINA	MICKLE	PAUSTIAN	RGT PLANET	HACKER	KWS CANTON	LIMONA	PROSPECT	SY ARDERIN	SY ERRIGAL
Relative yield ♦	102	100	97	98	103	99	103	99	104	102	103
Straw height (cm)	68.8	66.0	64.2	67.7	70.1	67.8	71.9	69.5	67.7	66.3	68.4
Resistance to lodging	7	7	7	6	5	7	(5)	7	(5)	(7)	(7)
Straw breakdown	7	7	7	6	4	6	(4)	7	(6)	(7)	(6)
Earliness of ripening	5	6	7	5	5	7	(7)	7	(6)	(5)	(5)
<b>Resistance to:</b>											
Mildew	8	8	4	8	8	8	(8)	8	(8)	(8)	(8)
<i>Rhynchosporium</i>	7	6	7	7	7	7	-	7	-	-	-
Brown Rust	7	6	5	7	6	7	(6)	6	(7)	(6)	(7)
Net Blotch	8	8	4	6	5	7	(7)	8	(5)	(7)	(8)
<b>Quality:</b>											
1,000 grain wt. (g)	49.5	50.7	50.1	50.0	51.7	48.5	51.1	48.5	48.3	53.2	51.6
Hectolitre wt. (kg/hl)	67.8	64.9	67.1	66.6	65.9	67.2	66.6	66.6	65.5	65.7	65.4
Screenings % (<2.2 mm)	1.5	1.8	1.3	1.9	1.5	1.6	1.5	2.5	1.9	1.2	1.4
Grain Protein %	11.1	11.2	11.3	11.1	10.8	11.2	11.1	11.2	11.3	11.3	11.0
<b>Year First Listed</b>	<b>2018</b>	<b>2014</b>	<b>2013</b>	<b>2015</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2018</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 **Mickle and RGT Planet**.  
(100 = 7.34t/ha @ 15% moisture content).

- No robust data on *Rhynchosporium* was collected in 2016, 2017 or 2018.



## NOTES ON VARIETIES

### RECOMMENDED

**GANGWAY:** A Danish variety with very high yield potential. A later maturing variety, with good resistance to lodging and straw breakdown. Very good resistance to mildew and net blotch, with good resistance to brown rust and *Rhynchosporium*. Excellent grain quality.

- Cross: Zeppelin x (Natasia x Kathinka)
- Breeder/Agent: Sejet (DK), Goldcrop Ltd.

**KWS IRINA:** A German variety with high yield potential. Good resistance to lodging and straw breakdown. Very good resistance to mildew and net blotch. Moderate resistance to brown rust and *Rhynchosporium*.

- Cross: Conchita x Quench
- Breeder/Agent: KWS Lochow (DE), Seed Technology Ltd.

**MICKLE:** A British variety with good resistance to lodging and straw breakdown. Moderately susceptible to brown rust. Susceptible to mildew and net blotch. Good resistance to *Rhynchosporium*. Very good grain quality.

- Cross: Propino x Snakebite
- Breeder/Agent: Syngenta Seeds Ltd (UK), Seed Technology Ltd.

**PAUSTIAN:** A Danish variety with high yield potential. Moderate resistance to lodging and straw breakdown. Very good resistance to mildew and good resistance to *Rhynchosporium* and brown rust. Moderate resistance to net blotch.

- Cross: Zeppelin x Propino
- Breeder/Agent: Sejet (DK), Goldcrop Ltd.

**RGT PLANET:** A British variety with very high yield potential. Moderately late maturing. Moderately susceptible to lodging and susceptible to straw breakdown. Very good resistance to mildew with good resistance to *Rhynchosporium*. Moderate resistance to brown rust and moderate susceptibility to net blotch.

- Cross: Tamtam x Concerto
- Breeder/Agent: RAGT (UK), Goldcrop Ltd.



## PROVISIONALLY RECOMMENDED

- HACKER:** A French variety with good resistance to lodging and moderate resistance to straw breakdown. Early maturing with very good resistance to mildew. Good resistance to net blotch, brown rust and *Rhynchosporium*. Very good grain quality.
- Cross: Quench x Belgravia
  - Breeder/Agent: Secobra (FR), Goldcrop Ltd.
- KWS CANTTON:** A very high yielding German variety with moderate susceptibility to lodging and susceptible to straw breakdown. Early maturing with very good resistance to mildew. Good resistance to net blotch with moderate resistance to brown rust. Very good grain quality.
- Cross: Tamtam x SJ 56007
  - Breeder/Agent: KWS Lochow (DE), Seed Technology Ltd.
- LIMONA:** An earlier maturing German variety with good resistance to lodging and straw breakdown. Very good resistance to mildew and net blotch. Good resistance to *Rhynchosporium* and moderate resistance to brown rust.
- Cross: (Concerto x Milford) x Quench
  - Breeder/Agent: Bruen (DE), Germinal Ireland.
- PROSPECT:** A Danish variety with very high yield potential. Moderately early maturing. Moderately susceptible to lodging with moderate resistance to straw breakdown. Very good resistance to mildew. Good resistance to brown rust and moderate susceptibility to net blotch.
- Cross: KWS Irina x Overture
  - Breeder/Agent: Sejet (DK), Goldcrop Ltd.
- SY ARDERIN:** A high yield potential British variety with good resistance to lodging and straw breakdown. A later maturing variety with very good resistance to mildew. Good resistance to net blotch and moderate resistance to brown rust.
- Cross: Sparkle x Crooner
  - Breeder/Agent: Syngenta (UK), Seed Technology Ltd.
- SY ERRIGAL:** A very high yielding and later maturing British variety. Good resistance to lodging and moderate resistance to straw breakdown. Very good resistance to mildew and net blotch. Good resistance to brown rust.
- Cross: Dragoon x Mickle
  - Breeder/Agent: Syngenta (UK), Seed Technology Ltd.