

SPRING BARLEY 2018

AGRONOMIC & QUALITY CHARACTERISTICS*	Recommended					Provisionally Recommended		
	KWS IRINA	MICKLE	PAUSTIAN	PROPINO	RGT PLANET	GANGWAY	HACKER	LIMONA
Relative yield ♦	103	100	101	100	105	106	102	102
Straw height (cm)	72.9	69.1	74.7	77.8	76.1	76.9	74.6	76.9
Resistance to lodging	7	7	6	5	5	(7)	(7)	(7)
Straw breakdown	7	7	6	5	5	(7)	(6)	(7)
Earliness of ripening	6	7	5	6	5	(5)	(7)	(7)
Resistance to:								
Mildew	8	5	8	5	8	(8)	(8)	(8)
<i>Rhynchosporium</i>	6	7	7	6	7	(7)	(7)	(7)
Brown Rust	6	5	7	5	6	(7)	(7)	(6)
Net Blotch	8	4	6	4	5	(8)	(7)	(8)
Quality:								
1,000 grain wt. (g)	51.5	51.2	51.3	53.6	52.9	50.8	50.2	49.5
Hectolitre wt. (kg/hl)	63.8	66.5	66.1	66.1	65.2	67.4	67.0	66.1
Screenings % (<2.2 mm)	2.2	1.4	2.0	1.0	1.8	1.3	1.5	2.5
Protein %	10.4	10.3	10.3	10.5	10.2	10.3	10.5	10.5
Year First Listed	2014	2013	2015	2011	2017	2018	2018	2018

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

♦ Yields are expressed as a percentage of the mean of **Propino and Mickle** (100 = 8.24 t/ha @ 15% moisture content)

NOTES ON VARIETIES

RECOMMENDED

KWS IRINA: A German variety with very 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/Irl Agent: KWS Lochow GmbH (D), Seed Technology Ltd.

MICKLE: A British variety with high yield potential. Good resistance to lodging and straw breakdown. Moderately susceptible to mildew and brown rust and susceptible to net blotch. Good resistance to *Rhynchosporium*.

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

PROPINO: A British variety with moderate susceptibility to lodging and straw breakdown. Moderately resistant to *Rhynchosporium*. Moderately susceptible to brown rust and mildew. Susceptible to net blotch. Large grain size with low screening levels.

- Cross: Quench x NFC Tipple
- Breeder/Irl Agent: Syngenta Seeds Ltd (UK), Seed Technology Ltd.

RGT PLANET: A British variety with very high yield potential. Moderately susceptible to lodging and 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/Irl Agent: RAGT (UK), Goldcrop Ltd.

PROVISIONALLY 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/Irl Agent: Sejet (DK), Goldcrop Ltd.

HACKER: A French variety with high yield potential. Good resistance to lodging and moderate resistance to straw breakdown. Very good resistance to mildew. Good resistance to net blotch, brown rust and *Rhynchosporium*. Very good grain quality.

- Cross: Quench x Belgravia
- Breeder/Irl Agent: Secobra (FR), Goldcrop Ltd.

LIMONA: A German variety with high yield potential. An earlier maturing 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/Irl Agent: Bruen (D), Germinal Ireland.

MALTING BARLEY VARIETY INFORMATION 2018

AGRONOMIC & QUALITY CHARACTERISTICS	MALTING BARLEY VARIETIES			
	LAUREATE	OLYMPUS	PROPINO	RGT PLANET
Relative yield ♦	103	99	100	105
Straw Height (cm)	72.4	74.5	78.9	75.4
Resistance to lodging	4	5	5	5
Straw breakdown	4	3	5	5
Earliness of ripening	5	5	6	5
Resistance to:				
Mildew	8	8	6	8
<i>Rhynchosporium</i>	7	7	6	7
Brown Rust	7	7	5	6
Net Blotch	8	7	5	5
Quality:				
1,000 grain wt. (g)	52.1	47.9	53.6	53.0
Hectolitre wt. (kg/hl)	64.4	64.1	66.8	65.7
Screenings% (<2.2 mm)	1.8	2.5	1.1	1.5
Protein %	10.5	10.6	10.9	10.3
Years in malting trial	3	4	7	3

♦ Based on specific Malting Barley trial results from **2015, 2016 and 2017**.

Yields are expressed as a percentage of the mean of **Propino and Mickle** (100 = 8.15 t/ha @ 15% moisture content). Mickle is a control variety across all DAFM spring barley trials.

ADDITIONAL INFORMATION ON VARIETIES SUITABLE FOR MALTING

As malting and brewing in Ireland is grown under contract, the industry determines the varieties to be grown. Choice of varieties is based on results of malting and brewing tests on varieties included in DAFM trials.

Descriptive notes on varieties in the Malting Barley trial but not on the 2018 Spring Barley Recommended List:

LAUREATE: A British variety and the highest yielding non – GN variety in the malting trial. Susceptible to lodging and straw breakdown. Very good resistance to mildew and net blotch. Good resistance to *Rhynchosporium* and Brown Rust.

- Cross: Sanette x Concerto
- Breeder/Irl Agent: Syngenta Seeds Ltd (UK), Seed Technology Ltd.

OLYMPUS: A British non – GN variety. Moderately susceptible to lodging and very susceptible straw breakdown. Very good resistance to mildew, good resistance to net blotch, *Rhynchosporium* and brown rust. Small grain size.

- Cross: Genie x LAN 0848
- Breeder/Irl Agent: Limagrain (UK), Seed Technology Ltd.

*For variety descriptions of Propino and RGT Planet see Spring Barley Recommended List 2018 under notes on Spring Barley Varieties. (Note that Mickle is used as a control variety in malting barley trial so as to correlate with RL trials).

Wylanda: An area of Wylanda will be available commercially for malting barley in 2018. A candidate for recommendation, Wylanda was not added to the recommended list for 2018. Wylanda will be entered into the malting barley trial for 2018 sowing.