

## SPRING BARLEY 2017

AGRONOMIC & QUALITY CHARACTERISTICS*	RECOMMENDED					PROVISIONALLY RECOMMENDED
	KWS IRINA	MICKLE	PAUSTIAN	PROPINO	SANETTE	RGT PLANET
Relative yield ♦	103	101	101	99	102	105
Straw height	73.6	69.9	75.2	79.1	73.5	76.3
Resistance to lodging	7	7	6	5	6	(5)
Straw breakdown	7	7	6	5	5	(5)
Earliness of ripening	6	7	5	6	5	(5)
<b>Resistance to:</b>						
Mildew	8	5	8	6	8	(8)
<i>Rhynchosporium</i>	6	7	7	6	7	(7)
Brown Rust	6	5	7	5	5	(6)
Net Blotch	8	5	6	5	7	(5)
<b>Quality:</b>						
1,000 grain wt. (g)	51.9	51.4	52.1	52.4	52.0	53.4
Hectolitre wt. (kg/hl)	63.5	66.2	65.9	65.6	64.7	65.1
Screenings% (<2.2 mm)	2.7	1.7	2.4	1.3	2.0	2.1
<b>Year First Listed</b>	<b>2014</b>	<b>2013</b>	<b>2015</b>	<b>2011</b>	<b>2014</b>	<b>2017</b>

\* Based on trial results from **2014, 2015 and 2016**.

♦ Yields are expressed as a percentage of the mean of **Propino and Mickle** (100 = 8.5 t/ha @ 15% moisture content)

## NOTES ON VARIETIES

### RECOMMENDED

**KWS IRINA:** A German variety with very high yield potential. Moderately short straw with 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, Seed Technology Ltd.

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

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

**PAUSTIAN:** A Danish variety with high yield potential. Moderately tall straw with 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, Goldcrop Ltd.

**PROPINO:** A British variety with moderately tall straw. Moderate susceptibility to lodging and straw breakdown. Moderately resistant to mildew and *Rhynchosporium*. Moderately susceptible to brown rust and net blotch. Large grain size.

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

**SANETTE:** A British variety with very high yield potential. Moderately short straw with moderate resistance to lodging and moderate susceptibility to straw breakdown. Very good resistance to mildew, good resistance to net blotch and *Rhynchosporium* and moderate susceptibility to brown rust.

- Cross: (Sumit x Yard)
- Breeder/Irl Agent: Syngenta Seeds Ltd, Seed Technology Ltd.

## **PROVISIONALLY RECOMMENDED**

**RGT PLANET:** A British variety with very high yield potential. Moderately tall straw and moderately susceptible to lodging and straw breakdown. Very good resistance to mildew. Good resistance to *Rhynchosporium*. Moderate resistance to Brown Rust. Moderate susceptibility to Net Blotch.

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

## MALTING BARLEY VARIETY INFORMATION 2017

AGRONOMIC & QUALITY CHARACTERISTICS	MALTING BARLEY VARIETIES					
	KWS IRINA	LAUREATE	OLYMPUS	OVERTURE	PROPINO	RGT PLANET
<b>Relative yield ♦</b>	<b>104</b>	<b>102</b>	<b>98</b>	<b>97</b>	<b>100</b>	<b>104</b>
Straw Height	73.0	72.9	76.1	77.3	81.5	76.1
Resistance to lodging	7	(4)	5	5	5	(5)
Straw breakdown	7	(4)	3	5	5	(5)
Earliness of ripening	6	(5)	5	6	6	(5)
<b>Resistance to:</b>						
Mildew	8	(8)	8	8	6	(8)
<i>Rhynchosporium</i>	6	(7)	7	6	6	(7)
Brown Rust	6	(7)	7	6	5	(6)
Net Blotch	8	(8)	7	7	5	(5)
<b>Quality:</b>						
1,000 grain wt. (g)	51.2	51.9	48.4	49.7	53.6	53.4
Hectolitre wt. (kg/hl)	64.0	63.9	64.1	65.8	66.3	65.5
Screenings% (<2.2 mm)	2.0	2.0	2.6	1.7	1.1	1.7
<b>Years in malting trial *</b>	<b>4</b>	<b>2</b>	<b>3</b>	<b>5</b>	<b>6</b>	<b>2</b>

♦ Based on specific Malting Barley trial results from **2014, 2015 and 2016**.

Yields are expressed as a percentage of the mean of **Propino and Mickle** (100 = 8.5 t/ha @ 15% moisture content). Mickle is a control variety across all DAFM spring barley trials.

\* Laureate and RGT Planet malting data from 2015 & 2016 only.

## 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 2017 Spring Barley Recommended List:

**LAUREATE:** A British variety with very high yield potential and moderately short straw. 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, Seed Technology Ltd.

**OLYMPUS:** A British non – GN variety. Moderately tall straw, 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.

**OVERTURE:** A British variety and the highest yielding non – GN variety in the malting trial. Moderately tall straw, moderately susceptible to lodging and straw breakdown. Very good resistance to mildew, good resistance to net blotch and moderate resistance to *Rhynchosporium* and brown rust. Small grain size.

- Cross: (Concerto x Quench)
- Breeder/Irl Agent: Limagrain UK, Seed Technology Ltd.

\*For variety descriptions of KWS Irina, Propino and RGT Planet see Spring Barley Recommended List 2017 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).