



# UK MALTING BARLEY CROP 2018

## Harvest 2018

Harvest 2018 progressed rapidly for most winter crops, completing in all regions by 14 August, in line with 2017. Spring harvest fell into two parts – early progress was good, harvest started almost a week earlier than normal – slow maturing later sown crops slowed progress across the country with harvest 98% complete by end September.

### Winter barley

**Yield:** National yield estimate of 6.9t/ha (adjusted to 14.5% moisture) in line with the 5yr average (6.9t/ha). Regional average yields ranged from 5.6-7.5t/ha, with a great deal of variability within and between farms.

**Quality:** Most winter malting barley met specification, with specific weights averaging 68.3kg/hl; nitrogen content averaging 1.67%; screenings levels averaging 3.9%.

### Spring barley

**Yield:** National yield estimate of 5.2-5.3 t/ha, is slightly below the 5yr average of 5.8 t/ha.

**Quality:** Varied across regions, with specific weights averaging 64kg/hl; nitrogen content averaging 1.7% and screenings levels averaging 2.4%.

**Winter barley yields** in southern & eastern England, Scotland and Wales close to GB five-year average; best yields occurring on heavier land with better moisture retention. Midlands, northern & western England, yields tended to be slightly below five-year average, with some as low as 3.1t/ha reported.

**Spring barley yields** estimated to be 5.2-5.3t/ha, which compared to GB five-year average of 5.8t/ha, a 9-11% reduction. Majority of late harvesting occurred in Scotland, where farm yields ranged from 2.5t/ha in parts of the North East, to some good yields of 8.0t/ha on heavier soils in the Borders.

**Winter and spring barley quality** – most winter malting barley met specification this year, with much having been harvested before suffering adverse effects of unsettled weather. Despite challenging conditions, spring barley quality was average or slightly better than expected, though nitrogen levels a little on the high side and screenings also high in some places, such as the Eastern region. In Scotland most malting crops, even those harvested later, continued to meet malting specification, though a slight relaxing of nitrogen specification has helped.

**Specific weight** – winter barley averaged 68.3kg/hl. Spring barley averaged 64kg/hl, within range 60-66kg/hl

**Grain protein** – average nitrogen content of winter barley malting varieties is 1.67%, within a range of 1.6-1.7%. Spring malting barley varieties averaged 1.7% nitrogen content, within a range of 1.5-2.0%.

**Screenings** – winter barley averaged 3.9%, within a varied range between 2-10%. Spring barley averaged 2.4% within a wide range from 2-10%. Reports of up to 20% in several regions, particularly on lighter soils.

**Moisture** – winter barley averaged 13.4%, with a regional range of 12.5-15.1%. Early harvested spring barley averaged 12-13%, with later harvest average tending towards 15%, requiring a small amount of drying.

## Surveys

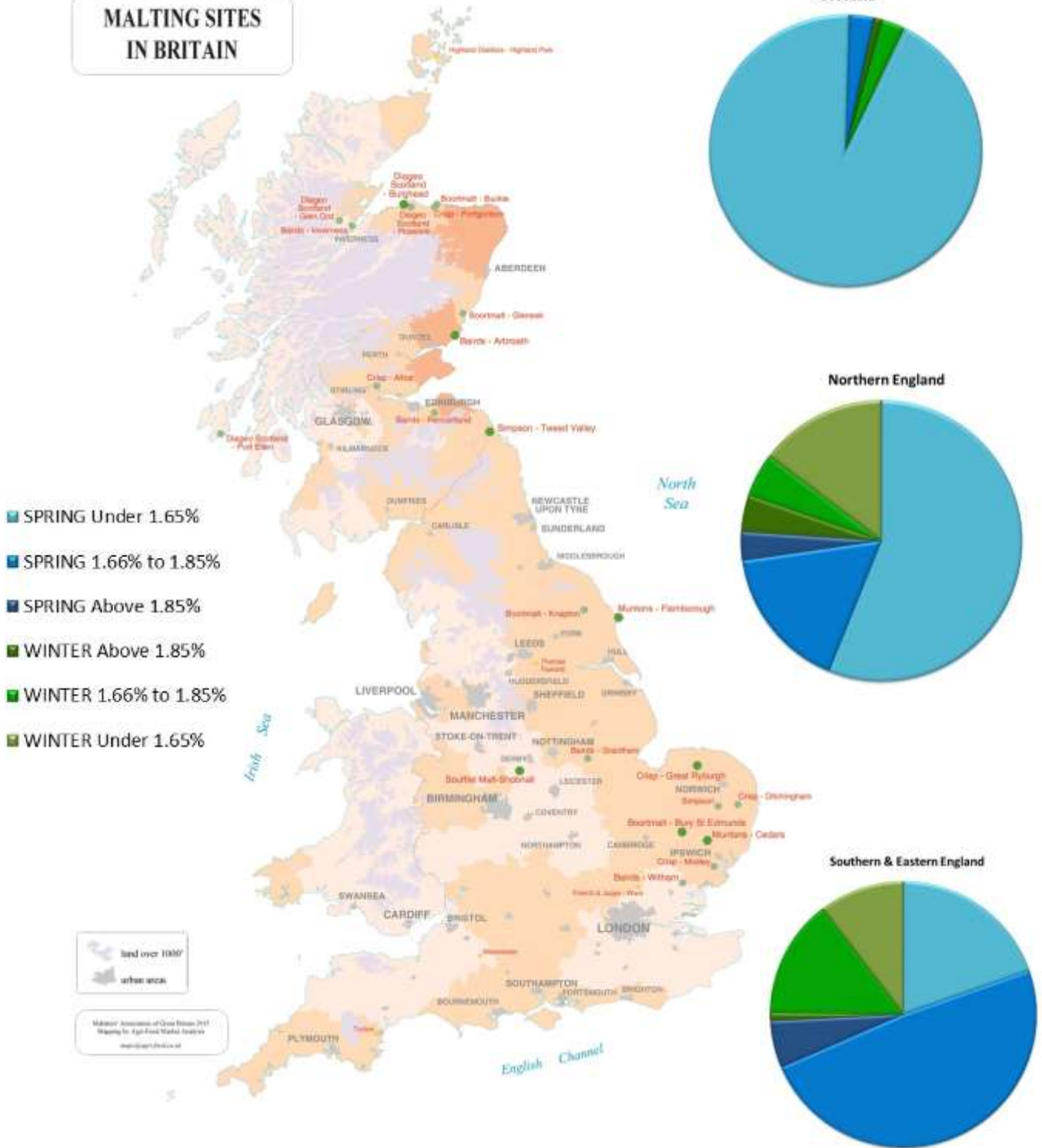
Spring Barley variety	Concerto	Propino	Irina	Planet	Laureate	Sienna	Sassy	Fairing	Olympus	Others
<b>Nitrogen</b> %	1.66	1.74	1.70	1.68	1.61	1.62	1.62	2.01	2.01	1.67
<b>Screenings &lt;2.25mm</b> %	1.1	2.4	2.6	2.4	1.4	1.2	1.2	1.9	5.7	2.8
<b>Retention &gt;2.5mm</b> %	96.1	93.3	90.0	92.2	95.3	96.5	96.7	94.1	86.2	93.0
<b>Moisture</b> %	16.1	13.1	13.9	13.2	15.7	16.3	16.7	16.1	13.9	16.4
Winter Barley variety	Flagon	Venture	Talisman	Cassata	Pearl	Craft	Maris Otter	Winter Average	Spring Average	Total Average
<b>Nitrogen</b> %	1.48	1.63	1.64	1.68	1.72	1.60	1.42	1.58	1.66	1.65
<b>Screenings &lt;2.25mm</b> %	4.0	5.8	2.7	2.0	1.7	4.8	6.6	4.1	1.6	2.1
<b>Retention &gt;2.5mm</b> %	88.3	82.5	90.5	94.6	94.5	86.7	77.1	87.4	95.0	93.6
<b>Moisture</b> %	12.7	12.9	14.9	14.9	15.4	13.2	13.1	13.6	15.7	15.3

### MAGB Mycotoxin Monitoring - Harvest 2018

	DON
<b>Number of samples</b>	244
	µg/kg
<b>Mean</b>	58.0
<b>Maximum</b>	450
<b>Minimum</b>	0

# UK Barley Areas

## MALTING SITES IN BRITAIN



*The barley growing areas of the UK are largely on the east of the country, with particular concentrations in East Anglia, Yorkshire and the east of Scotland. These easterly areas have soils and climate suited for producing excellent quality malting barleys.*