



UK MALTING BARLEY CROP 2019

Harvest 2019

Harvest 2019 was ahead of most recent harvests for much of the harvest period. Winter barley harvest progressed with little disruption, completed in most regions before the wet weather of w/e 20 August.

Spring barley harvest was mostly complete by w/e 24 September, with just occasional crops being harvested later in Scotland. Main spring barley harvest commenced second week August, though heavy rain across much of the country brought harvest to a halt the following week, resulting in widespread lodging.

Improved weather led to steady harvest progress from w/e 27 August to end September.

Winter barley

- Yield: National average yield estimate of 7.4–7.6t/ha, a 5-8% increase on the 5yr average of 7.0t/ha. Farm yields ranged from 8-12t/ha for hybrids and 7.0-8.0 t/ha for conventional 2 and 6 row varieties.
- Quality: Most winter malting barley met specification, having been harvested earlier during settled weather. Specific weights average 65-66kg/hl; with nitrogen content averaging 1.6%; screenings levels averaging 3%.

Spring barley

- Yield: National yield estimated at 5.8-6.0t/ha – a slight increase on the 5yr average of 5.6t/ha.
- Quality: Specific weights averaged 62-65kg/hl with a variation between 58-68kg/hl. Nitrogen content of malting barley averaged 1.6% and screenings levels averaged 2-4%.

Winter barley yields across the UK achieved a 5-8% increase on the five-year average of 7.0t/ha. Highest yields occurred on heavier soils, with lower yields coming from drought stressed crops on lighter land.

Spring barley yield of 5.8-6.0t/ha is a slight increase on the UK five-year average of 5.6t/ha. Typical farm yields for malting barley varieties ranged between 5.5-9.0t/ha. Lower yields on crops experiencing head losses from lodging.

Winter and spring barley quality – most winter malting barley met quality specifications, due to being harvested early in the harvest period during settled weather. Some growers experienced high screenings off lighter land.

Spring barley achieved specific weights between 58-68kg/hl, averaging 62-65kg/hl. Increased tillering decreased grain size in parts of Scotland but this has not had a significant effect on overall crop quality.

- Specific weight – winter barley averaged 65-66 kg/hl; typical range of 63-69 kg/hl. Spring barley averaged 62-65kg/hl, with typical ranges between 58-68kg/hl
- Grain protein – nitrogen content of winter barley malting varieties averaged 1.6%, ranging from 1.4-1.7%. Spring malting barley varieties also averaged 1.6% nitrogen content; typical range 1.5-1.7%.
- Screenings – winter barley average 3%, ranging from 2-15% with occasional reports of higher screenings off lighter land. Spring barley averaged 2-4% with reports of some increased screenings in Scotland.
- Moisture – few winter barley crops harvested in 2019 required drying; moisture content averaged 15%. Majority of spring barley harvested at low moistures, requiring little drying. Typically ranging from 15-17%.

Surveys

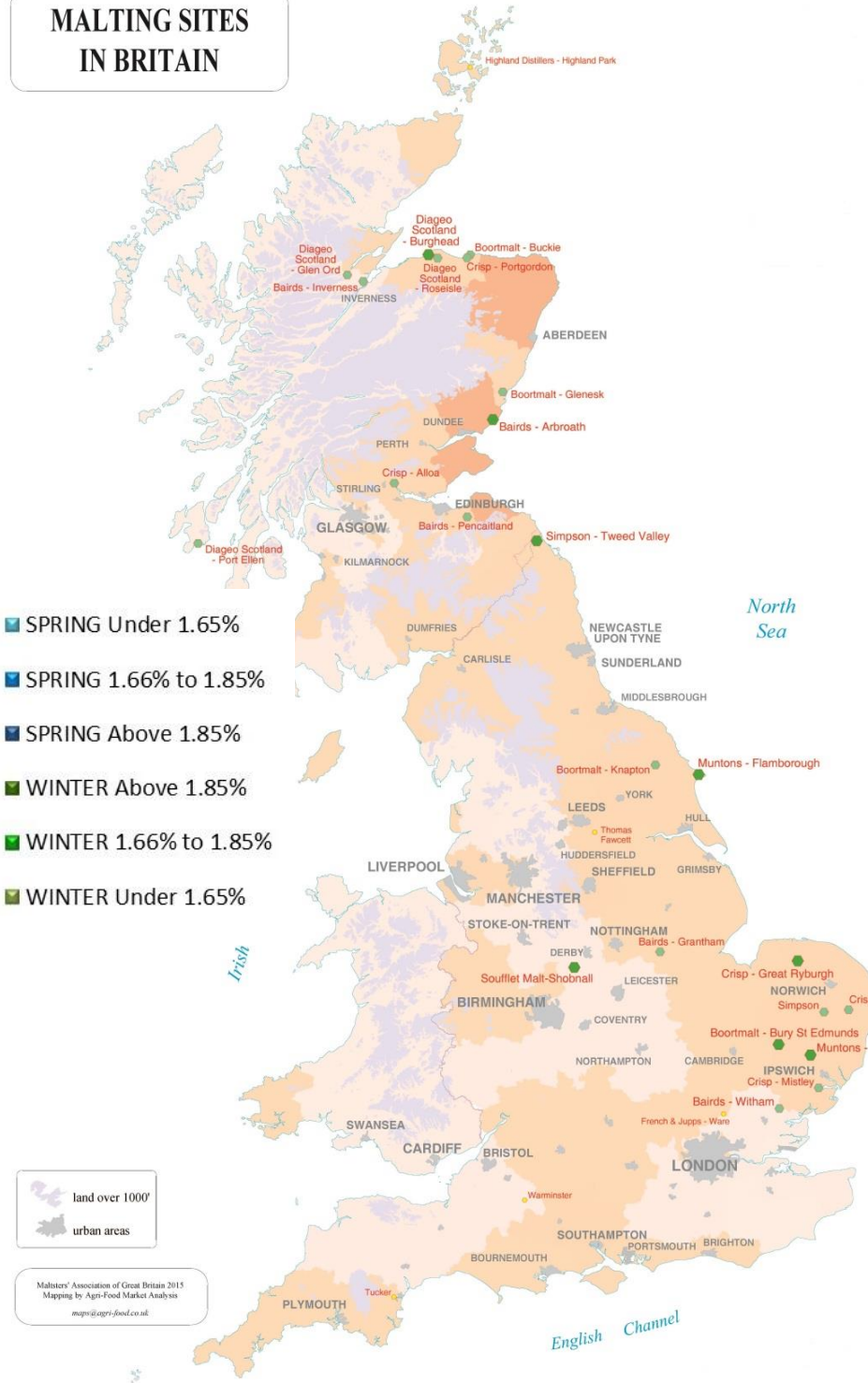
Spring Barley variety	Concerto	Propino	Planet	Laureate	Sienna	Sassy	Diablo	Others	Spring Average
Nitrogen %	1.47	1.65	1.62	1.46	1.50	1.45	1.41	1.67	1.49
Screenings <2.25mm %	2.7	2.0	2.3	2.4	1.8	2.3	2.2	3.8	2.5
Retention >2.5mm %	92.6	95.0	92.8	93.9	95.5	93.8	94.0	88.6	93.2
Moisture %	16.1	13.9	14.0	15.9	16.6	16.9	16.3	16.3	16.0
Winter Barley variety	Flagon	Venture	Cassata	Pearl	Craft	Maris Otter	Others	Winter Average	Total Average
Nitrogen %	1.58	1.62	1.68	1.75	1.60	1.59	1.58	1.63	1.52
Screenings <2.25mm %	2.4	2.9	1.6	2.2	2.3	3.7	2.4	2.5	2.5
Retention >2.5mm %	91.4	92.6	95.0	93.2	92.1	85.2	93.5	91.4	92.8
Moisture %	13.4	14.1	16.2	16.9	14.1	13.3	15.7	14.6	15.7

MAGB Mycotoxin Monitoring - Harvest 2019

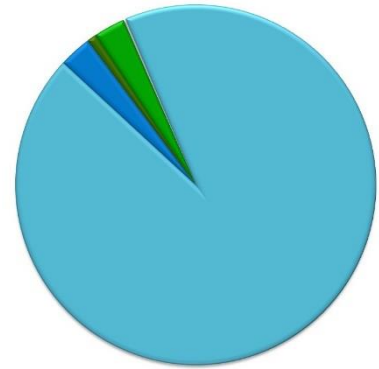
	DON
Number of samples	186
	µg/kg
Mean	14.0
Maximum	700
Minimum	0

UK Barley Areas

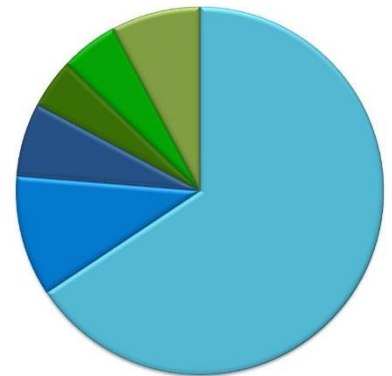
MALTING SITES IN BRITAIN



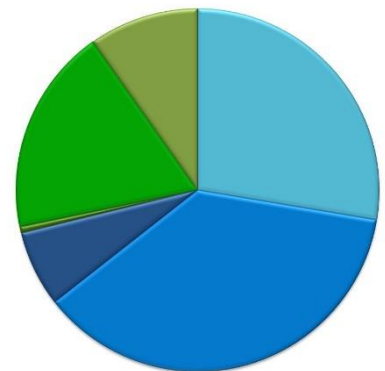
Scotland



Northern England



Southern & Eastern England



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.