



UK MALTING BARLEY

CROP 2016

Harvest 2016

Harvest 2016 yields were a mixed picture – spring barley around or just above the 5 year average, winter barley at least 10% below average, though with regional and farm variations. Harvest progress was in line with 5 year average

Winter Barley

- **Yield:** National yield estimate of 5.9-6.1 t/ha, a 10-13% decrease on the 5year average yield (6.8t/ha).
- **Quality:** Variable – specific weights averaging 63.1kg/hl, nitrogen content averaging 1.59% and screening levels through a 2.25mm sieve averaging 5.5%, leading to loss of a large quantity of potential malting barley.

Spring barley

- **Yield:** National yield estimate of 5.6-5.8t/ha, a 0-4% increase on the 5 year average (5.6t/ha).
- **Quality:** Good, with specific weights averaging 64.4kg/hl, nitrogen content averaging 1.61% and screening levels through a 2.25mm sieve averaging 2.9%

Winter barley yields tended to be below average across all regions except the Eastern region, where yields are just above average. There has not been a consistent trend across soil types, with yields being around 1.0t/ha higher on heavier land in the Eastern region, whilst in the East Midlands and South East crops on lighter land typically yielded around 0.5-1.5 t/ha higher on heavier land. Malting yields typically range between 5.0-7.2t/ha.

Spring barley yields appear to be variable across England & Wales, with yields around average in the south, West Midlands and Wales; above average in the Eastern region, Yorkshire and North West; just below average in the North East and East Midlands. Below average yields in Scotland contributing to the smallest malting barley crop for 18 years

Winter and spring barley quality – overall nitrogen contents are good, although screenings are around three times higher than the 3 year average and specific weights are 5% lower than the 3 year average.

- **Specific weight** – The AHDB average is 63.6kg/hl, lower than 3 year average of 66.7kg/hl, and lower than last year (66.3kg/hl) ranging between 56.2-70.4kg/hl. ADAS harvest reports indicate a slightly wider range, between 48-68kg/hl.
- **Grain protein** – average nitrogen content is 1.61%, higher than 2015 (1.52%) but in line with the 3 year average (1.6%) Winter average is 1.59%, spring 1.61%. Nitrogen ranged between 1.24-2.01% for all barley crops.
- **Screenings** – Provisional results indicate smaller grain size than 3 year average. A divide in grain size between winter and spring barley varieties shows an average 85% of winter and 92% of spring retained by a 2.5mm sieve

Surveys

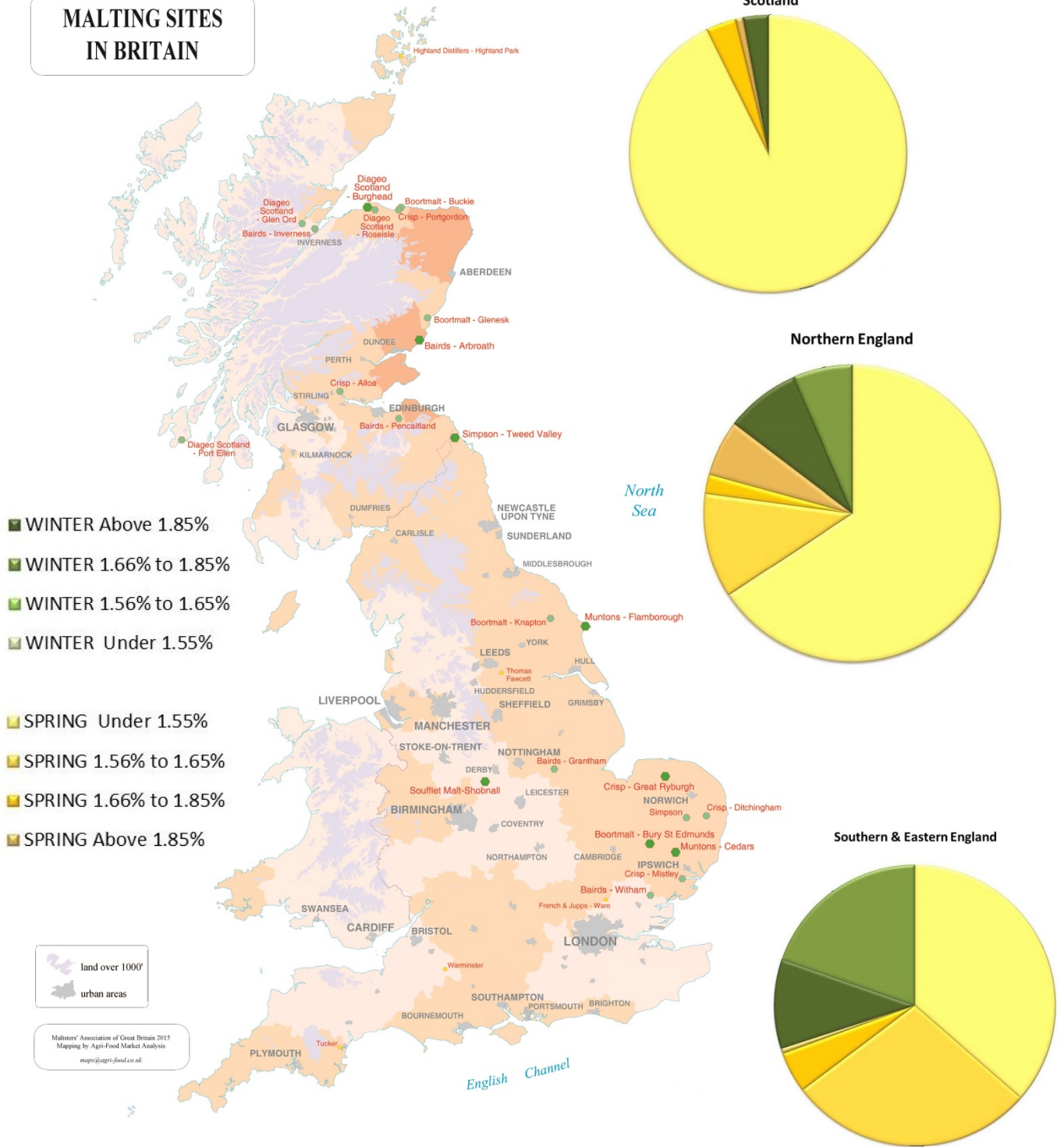
Barley variety	Odyssey	Concerto	Propino	Belgravia	Octavia	RGT Planet	Others		Spring Average
Nitrogen %	1.50	1.46	1.65	1.79	1.38	1.56	1.52		1.50
Screenings <2.25mm %	3.1	2.7	3.1	6.3	2.6	3.4	3.4		3.0
Retention >2.5mm %	91.3	88.0	91.7	86.6	94.6	91.2	91.2		88.1
Moisture %	15.0	16.3	14.7	16.5	17.2	15.3	16.8		16.0
Barley variety	Flagon	Pearl	Cassata	Venture	Maris Otter	Talisman	Others	Winter Average	Total Average
Nitrogen %	1.43	1.66	1.55	1.51	1.49	1.52	1.83	1.54	1.51
Screenings <2.25mm %	4.5	2.4	2.0	5.7	5.1	4.2	4.6	4.2	3.3
Retention >2.5mm %	84.6	92.8	93.6	82.9	79.3	87.0	84.9	86.0	87.6
Moisture %	13.6	16.1	15.7	14.3	14.1	15.6	13.9	14.7	15.7

MAGB Mycotoxin Monitoring - Harvest 2016

	DON	ZEA
Number of samples	665	207
	µg/kg	µg/kg
Mean	13.8	15.1
Maximum	450	38
Minimum	0	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.