

Supply & Demand

1 March 2017



Key points

- Continued domestic demand has pushed wheat prices to import parity in many areas, leaving market prices open to further volatility
- While domestic consumption of barley remains stable, fewer supplies have led to a cut in the exportable surplus
- Imports of maize into the UK are forecast to hit a three-year high on the back of strong H&I demand
- Milling demand for oats remains strong

Introduction

1. This release covers the second official estimates made by Defra of UK cereal supply and demand for 2016/17 (Appendix I).

2. **2016/17 total cereals demand for animal feed is forecast 54Kt up on December's estimates and 91Kt (1%) higher compared with 2015/16, at 12.360Mt.** Year-on-year growth in total animal feed production is expected to be driven predominantly by the poultry sector and, to a lesser extent, the sheep sector. Cattle feed demand (dairy and beef) is expected to remain relatively stable on the year, despite reductions during the first four months of the season, due to a recovery in milk prices. 'Other' animal feed demand is also expected to remain similar year on year. Pig feed demand is forecast lower on the year, driven by an assumed contraction in the herd and increased productivity.

Wheat

3. **Available wheat supplies for 2016/17 have been revised down to 18.775Mt, 141Kt lower than that forecast in December.** Estimated production has been decreased, following the publication of the final results of [Defra's Cereal and Oilseed Rape Production Survey on 20 December](#). Final wheat output is now estimated at 14.383Mt, 84Kt lower than the provisional estimate. The wheat import forecast has also been adjusted slightly downward, by 57Kt, to 1.600Mt. In the first six months of the season, the UK imported 840Kt of wheat, 3% lower than the same period in 2015/16.

4. **At 8.094Mt, Human and Industrial (H&I) consumption of wheat is 202Kt higher than the December estimate and up 10% year on year.** Forecast usage by millers, the bioethanol/starch industry and brewers, maltsters and distillers (BMD) has been increased, compared with earlier estimates. Continued strong demand from the bioethanol industry is expected to remain until the end of the season. Additionally, the volume of wheat used by the BMD

sector has been stronger in the first half of 2016/17 than the corresponding period in 2015/16 and this trend is expected to continue throughout the second half of the season.

5. **Wheat demand for animal feed production is forecast at 7.248Mt, up 29Kt on December's estimate and 157Kt higher year on year.** The current growth in the poultry industry is one of the key drivers of overall demand for wheat this season. Between July and December, production of poultry feed by GB compounders and Integrated Poultry Units (IPUs) was up by 3% compared to the same period a year earlier. In addition, the proportion of wheat fed on farm has been adjusted downwards slightly compared with the estimate made in December, due to the increased prices that can be achieved for feed wheat this season.

6. The balance of availability and domestic consumption in 2016/17 is estimated at 3.078Mt, 2.559Mt less than in 2015/16 and the lowest since 2013/14. The estimated operating stock remains at 1.600Mt. This figure provides an estimate of the minimum tonnage that processors of grain require from 1 July to the point at which new crop can be utilised ([read more on the methodology for calculating operating stocks here](#)). UK wheat exports between July and December totalled 1.085Mt, which left **393Kt for exports or free stock for the rest of the season (January to June)**.

Barley

7. **Total availability of barley is estimated at 8.137Mt, 12Kt less than that forecast in December and 882Kt lower year on year.** While Defra's final production estimate is 3Kt higher than the provisional figure, imports have been adjusted downwards by 15Kt on December's forecast. Imports of barley for the first half of the season equated to 59Kt, 36% lower than the same point a year earlier.

8. At 1.852Mt, H&I usage of barley is down slightly (22Kt) compared with December's forecast, but up by 1% on the year. The trend in barley usage by the BMD sector for the second half of the season is expected to replicate that of the first half (+1% year on year).

9. Barley demand in animal feed is forecast at 3.592Mt, 22Kt higher than December's estimate and similar to usage in 2015/16 (3.570Mt in 2015/16). With UK average ex-farm feed barley at a discount of over £20/t to feed wheat, inclusions of barley in certain diets, such as pigs and ruminant, are expected to be at relatively high levels for the rest of the season.

10. The barley balance is estimated at 2.479Mt, 883Kt lower year on year and the lowest since 2012/13. The minimum level of stocks assumed to be required by processors from 1 July until the new crop is usable, is estimated to be 760Kt. Taking account of barley exports to the end of December (667Kt), **the surplus available for exports until end-June or to be used as free stock equated to 1.052Mt.**

Maize

11. **Total availability of maize in 2016/17 is forecast at 2.069Mt, lower (72Kt) than that forecast in December but 1% higher year on year.** Despite an upward revision to opening stocks of 10Kt, imports have been revised down by 82Kt from December's estimate, to 1.924Mt. Maize imports during July to December totalled 891Kt, 8% lower than the same period in 2015/16. Demand for maize for both bioethanol and animal feed usage is expected to keep imports relatively high, with the full season forecast currently 10% higher than last season.

12. **Total consumption of maize is forecast at 1.767Mt, 45Kt lower than that forecast in December and 30Kt lower year on year.** A downward revision has been applied to H&I usage. The reduction in H&I demand is driven mainly by the BMD sector, with usage down 32% in the first six months of the season compared with the corresponding period a year earlier. Maize used in the production of GB compound animal feed was down 6% in July to December and, as such, this

has been factored into forecasts going forward; whereas maize usage for animal feed in Northern Ireland is expected to remain similar year on year.

13. **The balance of availability and consumption of maize is 302Kt, 16% higher than in 2015/16.** Full season maize exports have been revised up from the previous forecast by 40Kt, to 155Kt, taking account of the pace of exports across the Irish border to end-December, which totalled 94Kt.

Oats

14. **Total availability of oats in 2016/17 is forecast at 937Kt, 21Kt lower than that predicted in December and 1% lower, year on year.** The key change with oats availability compared with earlier estimates is an 18Kt cut in production, according to Defra's final estimates. Imports have also been adjusted by -3Kt, taking account of imports to end-December (18Kt).

15. **H&I demand for oats is expected to remain similar to that in 2015/16.** While statistics on oat millers' demand reveals a 2% reduction in oats milled in the first six months of the season, this is expected to be made up for in the second half of the year. Demand for oats for animal feed remains largely unchanged from the estimates made in December, at 265Kt.

16. **The balance of oats availability and demand is estimated at 122Kt, 39Kt lower year on year and the lowest since 2012/13.** Exports have been adjusted downwards, from 45Kt in December, to 35Kt, taking account of exports pace to date (July to December), of 15Kt.

Additional data

17. Appendix II shows cumulative usage and trade data to end-December. This release and related information can be found at cereals.ahdb.org.uk/markets. Cereals usage data can be found on the Defra website at <https://www.gov.uk/government/organisations/department-for-environment-food-rural-affairs/about/statistics>

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APPENDIX II

CUMULATIVE MONTHLY STATISTICS
Usage of Cereals by Processors,
External Trade and Stocks

Situation as at end of December 2016											Thousand tonnes				
		2011/12 to 2015/16 Average	2009/10 26 weeks	2010/11 26 weeks	2011/12 26 weeks	2012/13 26 weeks	2013/14 26 weeks	2014/15 26 weeks	2015/16 26 weeks	2016/17 26 weeks	% Change 2016/17 on 2015/16	Actual Change 2016/17 on 2015/16			
WHEAT															
(1)	Usage	Human and Industrial Processors	-Flour Millers	-imported	609	576	421	349	651	904	656	485	447	-8%	-38
(2)				-home-grown	2676	2465	2889	2633	2682	2331	2908	2827	3203	13%	375
(3)				-Total	3285	3041	3310	2982	3332	3235	3564	3313	3649	10%	337
(4)				-Distillers	367	259	240	300	387	430	392	323	374	16%	51
(5)				-Others	86	41	81	78	80	93	88	90	81	-10%	-9
(6)				Animal Feed Processors (a)	1542	1397	1419	1495	1536	1512	1534	1634	1759	8%	126
(7)				Poultry Integrated Units	723	751	806	796	785	714	706	612	605	-1%	-6
(8)	Imports			From July (b)	993	690	560	461	1337	1345	959	863	840	-3%	-23
(9)	Exports			From July (b)	844	1013	1920	1554	512	226	938	992	1085	9%	93
(14)	Intervention			-Actual	0	0	0	0	0	0	0	0	0	*	0
(15)				-Projected	0	0	0	0	0	0	0	0	0	*	0
BARLEY															
(1)	Usage	Maltsters/Distillers		-imported	-	-	-	-	-	-	-	-	-	-	-
(2)				-home-grown	-	-	-	-	-	-	-	-	-	-	-
(3)				-Total	918	761	825	883	902	939	962	901	911	1%	10
(4)				Animal Feed Processors (a)	453	381	439	343	442	493	492	496	456	-8%	-40
(5)				Poultry Integrated Units	32	47	34	35	36	39	27	25	26	5%	1
(6)	Imports			From July (b)	71	50	79	83	89	46	47	92	59	-36%	-33
(7)	Exports			From July (b)	645	497	495	523	309	777	750	869	667	-23%	-203
(11)	Intervention			-Actual	1	11	150	5	0	0	0	0	0	*	0
(12)				-Projected	1	11	130	5	0	0	0	0	0	*	0
MAIZE															
(1)	Usage	Human and Industrial Processors			168	111	145	142	149	177	202	169	142	-16%	-27
(2)				Animal Feed Processors (a)	113	57	53	52	93	141	142	139	131	-6%	-8
(3)	Imports			From July (b)	852	485	546	466	760	1127	938	968	891	-8%	-77
(4)	Exports			From July (b)	47	6	15	17	27	104	34	55	94	69%	38
OATS															
(1)	Usage	Human and Industrial Processors			244	207	223	235	235	250	241	262	256	-2%	-6
(2)				Animal Feed Processors (a)	38	35	52	31	36	49	48	28	19	-32%	-9
(3)	Exports			From July (b)	22	17	40	11	6	10	40	44	15	-67%	-30

n/a - Not Available/Applicable (a) Great Britain only. (b) HM Customs/Intrastat

* Percentage changes not meaningful.

There were 53 weeks in the Statistical year 2010. In order to incorporate the change January 2010 was increased to a 5 week period compared to 4 weeks in 2009.
 There were 53 weeks in the Statistical year 2016. In order to incorporate the change April 2016 was increased to a 5 week period compared to 4 weeks in 2015.
 Note: This Appendix reflects the position as at 20 February 2017. The figures above may differ slightly from the most recent published data.

Survey data for GB Compounders and Cereals Usage by Millers, Brewers and Maltsters can be found using the following link:

<https://www.gov.uk/government/organisations/department-for-environment-food-rural-affairs/about/statistics>