

Supply & Demand

27 September 2018



Summary of Revisions

The tables below provide estimates of UK cereals supply and demand in the 2017/18 (July-June) season. For the 2016/17 and 2017/18 wheat and barley end of season balance sheets, residuals have been identified after the full season official statistics were taken into account, stated in Appendix 1.

Please note that full season trade data for 2016/17 and 2017/18 does not include the below trade threshold allocation (BTТА) to improve the quality of the data published in the Balance Sheets. For more information on BTТА, please click [here](#).

The main revisions from May's forecasts and comparisons with the 2016/17 season are summarised below.

End of Season 2017/18 UK Cereals Supply and Demand

Wheat

- **Trade** – Full season wheat imports totalled 1.793Mt, 193Kt higher than that forecast in May, but 3% lower than levels recorded in 2016/17. Exports totalled 448Kt, marginally lower (2Kt) than May's forecast and 69% down year on year.
- **Availability** – Total available supplies are estimated at 18.386Mt, 195Kt higher than May's forecast. However, compared with 2016/17 total available supplies are 639Kt (3%) lower.
- **Usage** – Total domestic consumption in 2017/18 is 67Kt higher than that forecast in May, but remains relatively unchanged (-19Kt) on the year at 15.682Mt. While human and industrial (H&I) consumption declined on year earlier levels, usage of wheat as animal feed is estimated to have increased.
- **Closing stocks** – At 1.718Mt, commercial end-season stocks are 17Kt lower than May's forecast and 37Kt less than 2016/17. UK 2017/18 closing stocks of wheat (and thus 2018/19 opening stocks) are the lowest since 2013/14.

Barley

- **Trade** – Full season barley imports remained relatively unchanged from May's forecast, but was 1% lower year on year at 105Kt. Exports of barley are estimated at 1.101Mt in 2017/18, 13Kt less than previous forecasts, but 7% (75Kt) higher than 2016/17.
- **Availability** – At 8.379Mt, total availability of barley in 2017/18 is relatively unchanged from May's forecast. However, compared with 2016/17, barley availability is estimated to be 251Kt higher, driven by an annual increase in production.
- **Usage** – In 2017/18 total domestic consumption of barley was marginally higher (5Kt) than that forecast in May and 7% (422Kt) up year on year at 6.153Mt. While H&I usage recorded a small increase on the year, the overall growth was predominantly driven by the rise in barley usage in animal feed.
- **Closing stocks** – Commercial end-season stocks are estimated at 1.076Mt, 41Kt lower than May's forecast and 29Kt down compared with levels recorded in 2016/17.

Oats

- **Trade** – At 19Kt, full season oat imports are 6Kt lower than that forecast in May and 13Kt down on the year. Exports were 28Kt, 2Kt more than the previous forecast and 8Kt higher than levels recorded in 2016/17.
- **Availability** – Total availability of oats is estimated at 1.004Mt, 6Kt less than May's forecast, 63Kt higher than in 2016/17.
- **Usage** – Compared to May's forecast, total domestic consumption of oats in 2017/18 is 45Kt lower, but 27Kt higher than 2016/17 at 837Kt. H&I and animal feed usage of oats increased by 3% year on year.
- **Closing Stocks** – In 2017/18 commercial end-season closing stocks were 138Kt, 37Kt higher than that forecast in May and 28Kt more than at the end of 2016/17.

Maize

- **Trade** – Full season maize imports were 2.024Mt in 2017/18, 87Kt less than the previous forecast. However, compared with 2016/17, UK imports of maize are 17Kt higher.
- **Availability** – At 2.295Mt, total availability of maize is estimated to be 87Kt lower than May's forecast, but 140Kt higher than levels recorded in 2016/17, driven predominately by an 83% increase in opening stocks.
- **Usage** – Total domestic consumption of maize in 2017/18 is estimated to be 85Kt lower than that forecast in May, but 10% (168Kt) higher year on year at 1.877Mt. H&I usage of maize increased by 13% on the year, while animal feed demand is estimated to have risen by 8%.
- **Closing Stocks** – Commercial end-season stocks are estimated at 247Kt, 9Kt higher than that forecast in May, but is 24Kt lower than levels recorded in 2016/17.

For further information please contact:

Millie Askew, Senior Analyst, AHDB Balance Sheet Team

E: millie.askew@ahdb.org.uk t: 024 7647 8968

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AHDB
Stoneleigh Park
Kenilworth
CV8 2TL
UK

T +44 (0) 247 647 8760
F +44 (0) 247 647 8904
cereals.info@ahdb.org.uk
www.cereals.ahdb.org.uk

UK CEREAL SUPPLY AND DEMAND ESTIMATES (a)

Estimates made in September

000 tonnes

Full season trade data for 2016/17 and 2017/18 does not include the below trade threshold allocation (BTТА) to improve the quality of the data published in the Balance Sheets. For more information on BTТА, please [click here](#)

(JULY - JUNE YEARS)

Links connect to relevant Defra/AHDB data pages

		WHEAT							BARLEY						
		2012/13 2016/17 average	2015/16 estimate**	2016/17 estimate	2017/18 May-18	2017/18 Sep-18	Absolute change May-18	% change on 16/17	2012/13 2016/17 average	2015/16 estimate	2016/17 estimate	2017/18 May-18	2017/18 Sep-18	Absolute change May-18	% change on 16/17
(1)	Opening Stocks	2,092	2,434	2,787	1,754	1,755	1	-37%	1,236	1,497	1,367	1,106	1,105	-1	-19%
(2)	Production	14,464	16,506	14,383	14,837	14,837	-	3%	6,710	7,370	6,655	7,169	7,169	-	8%
(3)	Imports	2,036	1,509	1,855	1,600	1,793	193	-3%	148	159	106	105	105	-0	-1%
(4)	Total Availability	18,592	20,449	19,025	18,191	18,386	195	-3%	8,094	9,026	8,128	8,380	8,379	-1	3%
(5)	Human and Industrial Consumption (b)	7,667	7,360	8,110	7,817	7,816	-1	-4%	1,890	1,833	1,863	1,901	1,881	-20	1%
(5a)	(of which home grown)	6,372	6,416	7,169	6,857	6,787	-70	-5%	n/a	n/a	n/a	n/a	n/a	*	*
(6)	Usage as Animal Feed (c)	6,908	7,094	7,236	7,446	7,515	68	4%	3,460	3,613	3,655	4,022	4,047	25	11%
(6a)	(of which home grown)	6,212	6,444	6,523	6,824	6,794	-31	4%	n/a	n/a	n/a	n/a	n/a	*	*
(6b)	(of which Compounders)	3,697	3,845	4,034	4,180	4,232	53	5%	1,102	1,108	1,132	1,267	1,279	12	13%
(6c)	(of which Integrated Poultry Units)	1,349	1,210	1,211	1,241	1,241	-	2%	61	49	53	62	59	-	12%
(7)	Seed (d)	290	281	283	278	278	-	-2%	177	182	181	189	189	-	4%
(8)	Other	74	79	72	74	74	-	3%	34	37	33	36	36	-	9%
(9)	Total Domestic Consumption	14,939	14,814	15,701	15,615	15,682	67	0%	5,561	5,665	5,732	6,148	6,153	5	7%
(10)	Balance (4) - (9)	3,653	5,635	3,324	2,576	2,704	128	-19%	2,533	3,361	2,396	2,232	2,225	-6	-7%
(11)	Exports (e)	1,483	2,848	1,438	450	448	-2	-69%	1,211	1,994	1,026	1,114	1,101	-13	7%
(12)	Intervention Stocks (e)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
(13)	Commercial End-Season Stocks (e)	2,144	2,787	1,755	1,735	1,718	-17	-2%	1,269	1,367	1,105	1,117	1,076	-41	-3%
(14)	(of which Estimated Operating stock requirement) (f)	1,492	1,500	1,560	1,600	1,600	-	3%	739	760	760	770	770	-	1%
(15)	(of which free stock) (g)	652	1,287	195	135	118	-17	-40%	530	607	345	347	306	-41	-11%
(16)	Surplus available for either export or free stock (10)-(12)-(14)-(17)	2,135	4,135	1,633	585	567	-18	-65%	1,741	2,601	1,371	1,462	1,408	-54	3%
(17)	Residual (10)-(11)-(13)			131	391	537					265	-	47		

		MAIZE							OATS						
		2012/13 2016/17 average	2015/16 estimate**	2016/17 estimate	2017/18 May-18	2017/18 Sep-18	Absolute change May-18	% change on 16/17	2012/13 2016/17 average	2015/16 estimate	2016/17 estimate	2017/18 May-18	2017/18 Sep-18	Absolute change May-18	% change on 16/17
(1)	Opening Stocks	216	309	148	271	271	-	83%	100	107	93	110	110	-	18%
(2)	Production	-	-	-	-	-	-	-	805	799	816	875	875	-	7%
(3)	Imports	1,926	1,742	2,007	2,111	2,024	-87	1%	53	39	32	25	19	-6	-41%
(4)	Total Availability	2,143	2,051	2,155	2,382	2,295	-87	6%	958	945	941	1,010	1,004	-6	7%
(5)	Human and Industrial Consumption	560	465	570	653	643	-10	13%	507	525	521	537	537	-0	3%
(5a)	(of which home grown)	-	-	-	-	-	-	-	453	499	476	515	519	4	9%
(6)	Usage as Animal Feed	1,205	1,310	1,135	1,306	1,230	-75	8%	275	239	266	315	274	-41	3%
(6a)	(of which home grown)	-	-	-	-	-	-	-	275	239	266	315	274	-41	3%
(7)	Seed	-	-	-	-	-	-	-	20	19	20	26	23	-3	15%
(8)	Other (h)	5	9	4	4	4	-	0%	4	4	4	4	4	-	0%
(9)	Total Domestic Consumption	1,770	1,784	1,709	1,962	1,877	-85	10%	806	787	811	882	837	-45	3%
(10)	Balance (4) - (9)	373	267	446	420	418	-2	-6%	151	158	130	128	166	39	28%
(11)	Exportable surplus	132	120	175	182	171	-11	-3%	42	65	21	27	28	2	38%
(12)	Commercial End-Season Stocks	241	148	271	238	247	9	-9%	109	93	110	101	138	37	25%

(a) These are revised during the year. Figures rounded to the nearest 1000 tonnes. Due to rounding, totals may not agree with the sum of the individual items.

(b) Defra updated the registry for the UK flour millers survey in spring 2016, the wheat H&I usage has been adjusted to take account of this change.

(c) Animal feed usage has been split by sector. Note, other users are only included in the total.

(d) Seed numbers have been updated based on a number of assumptions, calculated for the purposes of the balance sheet only

(e) Split of exports, intervention and total commercial end-season stocks only published for historical seasons

(f) Estimated Operating Stocks Requirement is a calculated estimate of the minimum tonnage that users of grain require to get through to a point at which new crop can be utilised

(g) Free stock is the stock available after both exports and estimated operating stock requirements have been fulfilled

(h) 2014/15 new format: Maize demand in "Other food use" has been added to the H&I total for maize. This was previously included in the "Other" category

* Percentage change not meaningful

** These balance sheets have been adjusted as per Defra's reliability allocation method

		OTHER CEREALS <i>(i)</i>						
		2012/13 2016/17 average	2015/16 estimate	2016/17 estimate	2017/18 May-18	2017/18 Sep-18	Absolute change May-18	% change on 16/17
(1)	Opening Stocks	5	5	5	5	5	-	0%
(2)	Production	115	121	110	119	119	-	8%
(3)	Imports	3	3	3	4	4	-	48%
(4)	Total Availability	123	129	118	127	129	1	9%
(5+6)	H&I and Animal Feed	115	121	110	119	121	1	10%
(5a+6a)	(of which home grown)	112	118	107	116	116	-	8%
(7)	Seed	3	3	3	3	3	-	0%
(8)	Other	-	-	-	-	-	-	-
(9)	Total Domestic Consumption	118	124	113	122	124	1	9%
(10)	Balance (4) - (9)	5	5	5	5	5	0	0%
(11)	Exportable surplus	-	-	-	-	-	-	-
(12)	Intervention Stocks	-	-	-	-	-	-	-
(13)	Commercial End-Season Stocks	5	5	5	5	5	-	0%

		TOTAL CEREALS						
		2012/13 2016/17 average	2015/16 estimate**	2016/17 estimate	2017/18 May-18	2017/18 Sep-18	Absolute change May-18	% change on 16/17
(1)	Opening Stocks	3,649	4,352	4,400	3,246	3,247	-0	-26%
(2)	Production	22,094	24,796	21,964	22,999	22,999	-	5%
(3)	Imports	4,166	3,452	4,003	3,844	3,945	102	-1%
(4)	Total Availability	29,910	32,600	30,366	30,089	30,192	102	-1%
(5)	H&I (wheat, barley, maize, oats) (h)	10,624	10,183	11,064	10,907	10,876	-31	-2%
(6)	Animal Feed (wheat, barley, maize oats) (h)	11,848	12,256	12,291	13,089	13,067	-23	6%
(5a +6a)	Other cereals (H&I and Animal Feed)	115	121	110	119	121	1	10%
(7)	Seed	490	485	487	496	493	-3	1%
(8)	Other	117	129	113	118	118	-	4%
(9)	Total Domestic Consumption	23,195	23,174	24,065	24,730	24,674	-55	3%
(10)	Balance (4) - (9)	6,715	9,426	6,301	5,360	5,518	157	-12%
(11)	Exports	2,868	5,027	2,660	1,773	1,749	-24	-34%
(12)	Intervention Stocks	-	-	-	-	-	-	-
(13)	Commercial End-Season Stocks	3,768	4,400	3,247	3,196	3,184	-12	-2%
(14)	Estimated Operating stock requirement (wheat & barley only)	2,231	2,260	2,320	2,370	2,370	-	2%
(15)	Free stock for wheat and barley	1,182	1,894	541	482	424	-58	-21%
(16)	Surplus available for either export or free stock (all)	4,050	7,167	3,201	2,598	2,173	-425	-32%
(17)	Residual (10)-(11)-(13)			395	392	585		

(i) Includes mainly rye, triticale and mixed grain

*** These balance sheets have been adjusted as per Defra's reliability allocation method*

Source: AHDB; Defra

APPENDIX II

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

Situation as at end of June 2018

Thousand tonnes

				2012/13 to 2016/17 Average	2009/10 52 weeks	2010/11 52 weeks	2011/12 52 weeks	2012/13 52 weeks	2013/14 52 weeks	2014/15 52 weeks	2015/16 52 weeks	2016/17 52 weeks	2017/18 52 weeks	% Change 2017/18 on 2016/17	Actual Change 2017/18 on 2016/17
WHEAT															
Usage	Human and	-Flour Millers	-imported	1256	1055	767	688	1794	1439	1168	935	941	1029	9%	88
	Industrial		-home-grown	5468	5135	5685	5267	4787	4957	5675	5616	6308	5835	-7%	-473
Processors			-Total	6724	6190	6451	5955	6581	6396	6843	6551	7249	6864	-5%	-385
		-Distillers		750	527	531	662	818	815	772	649	696	801	15%	106
Animal Feed Processors (a)				3180	2797	2739	3079	3085	2875	3099	3353	3487	3656	5%	169
		Poultry Integrated Units		1346	1540	1614	1606	1505	1381	1420	1215	1211	1241	2%	30
Imports	From July (b)			2040	1240	1000	907	2956	2210	1677	1504	1855	1793	-3%	-62
Exports	From July (b)			1482	2427	2654	2545	734	431	1948	2857	1438	448	-69%	-990
Intervention	-Actual			0	0	0	0	0	0	0	0	0	0	-	0
	-Projected			0	0	0	0	0	0	0	0	0	0	-	0
BARLEY															
Usage	Maltsters/Distillers		-imported	-	-	-	-	-	-	-	-	-	-	-	*
			-home-grown	-	-	-	-	-	-	-	-	-	-	-	*
			-Total	1860	1592	1730	1818	1832	1902	1893	1821	1851	1869	1%	18
	Animal Feed Processors (a)			972	863	854	650	880	1047	953	986	993	1118	13%	124
Poultry Integrated Units				61	94	69	57	70	86	47	49	53	59	12%	6
	From July (b)			148	86	125	156	237	100	139	159	106	105	-1%	-1
Imports	From July (b)			1214	1034	772	804	395	1158	1495	1994	1026	1101	7%	75
Exports				0	62	106	5	0	0	0	0	0	0	-	0
	-Actual			0	140	40	5	0	0	0	0	0	0	-	0
MAIZE															
Usage	Human and Industrial			369	252	295	278	308	375	447	322	396	528	33%	132
	Animal Feed Processors (a)			284	114	109	108	238	360	281	276	265	309	16%	44
Imports	From July (b)			1971	898	1041	985	1687	2394	1954	1814	2007	2024	1%	17
OATS															
Usage	Human and Industrial Processors			508	429	460	474	492	508	492	525	521	537	3%	15
	Animal Feed Processors (a)			76	89	91	59	78	118	95	52	40	60	51%	20
Exports	From July (b)			42	50	53	16	13	36	77	65	21	28	38%	8

(a) Great Britain only, (b) HMRC

* Percentage changes not meaningful.

Source: AHDB, Defra, HMRC

Please note that full season trade data for 2016/17 and 2017/18 does not include the below trade threshold allocation (BT TA) to improve the quality of the data published in the Balance Sheets. For more information on BT TA, please click [here](#).

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 27 September 2018. The figures above may differ slightly from the most recent published data.