

Pig Pocketbook



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Chapter 1 - Marketing Chain

Table 1.1 UK pig meat supply balance (a)

'000 tonnes	2012	2013	2014	2015	2016*	2017 (f)
Production	825	833	863	900	919	907
Imports (cwe)	943	928	948	968	1,048	978
Fresh/frozen	387	392	396	410	490	455
Bacon	302	292	300	294	284	273
Processed	254	244	252	264	274	250
Exports (cwe)	203	229	233	237	251	275
Total consumption	1,564	1,532	1,578	1,631	1,716	1,615
Self-sufficiency (%)	52.7	54.4	54.7	55.2	53.5	56.2

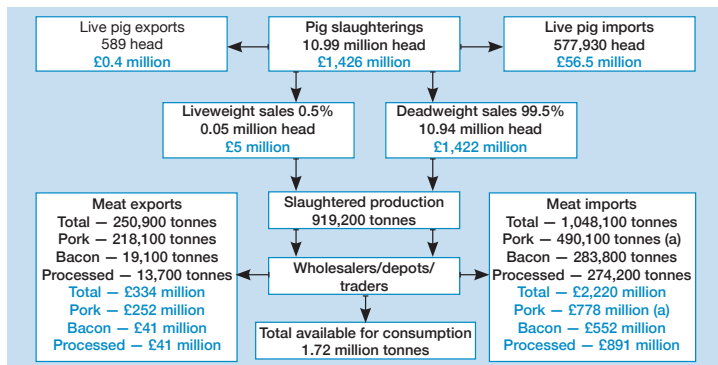
(a) Total imports and exports including processed meat. All fresh meat and processed products, including bacon, have been converted to carcase weight equivalent.

*Defra changed to calendar months from February 2016

(f) forecast

Source: Defra, IHS Maritime and Trade - Global Trade Atlas®, HMRC, AHDB

Figure 1.1 UK product flows in the pig meat marketing chain in 2016



(a) Includes pork imports which are subsequently cured in the United Kingdom.

Volumes are carcase weight equivalent

Source: Defra, IHS Maritime & Trade – Global Trade Atlas®

Table 1.2 EU pig meat supply balance

'000 tonnes	2012	2013	2014	2015	2016	2017 (f)
Net production	22,519	22,358	22,533	23,256	23,309	23,233
Imports	19	15	14	11	12	12
Exports	2,191	2,238	1,947	2,217	2,795	2,543
Consumption	20,347	20,134	20,600	21,050	20,526	20,703
Self-sufficiency (%)	111	111	110	111	114	112

All data is carcase weight equivalent. (f) forecast

Note: The EU Commission has revised the series compared with last year's edition of the pocketbook

Source: EU Commission

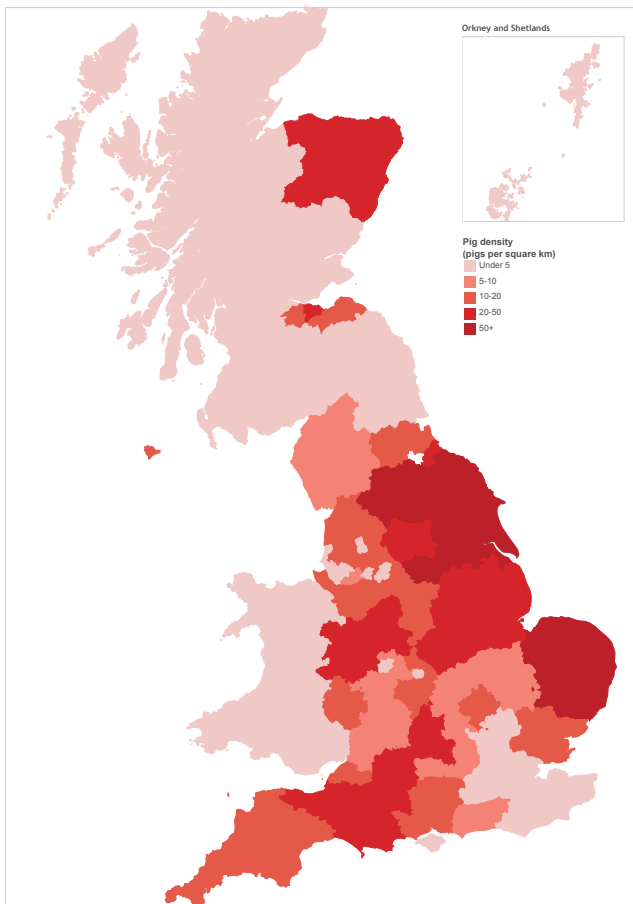
What does this mean for the industry?

Helping our levy payers make sense of the issues as they evolve. Helping key stakeholders and Government to seek the best possible deal for our industries outside the EU.



<http://www.ahdb.org.uk/brexit>

Figure 2.1 Density of pigs, June 2013



Source: AHDB, Defra, Welsh Government, DARD, Scottish Government

Note: Data covers commercial holdings only

Pig Numbers

Table 2.1 UK pig numbers, June survey

'000 head	2012	2013	2014	2015	2016
Sows in pig	293	284	282	285	295
Gilts in pig	69	66	57	56	55
Other sows	64	70	67	66	65
Total breeding sows	425	421	406	408	415
Gilts for breeding	82	86	80	85	79
Boars for service	16	15	14	15	15
Feeding pigs	3,958	4,363	4,315	4,232	4,356
Total pigs	4,481	4,885	4,815	4,739	4,866

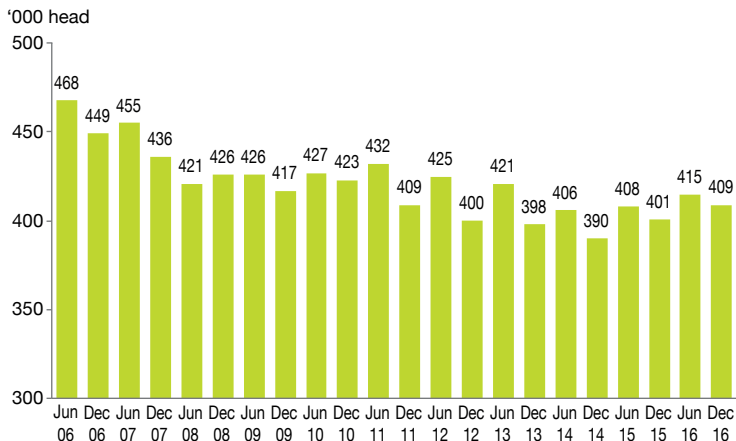
Source: Defra June Agricultural Survey

Table 2.2 UK female breeding pig herd and holding numbers, June survey

	Breeding pigs (‘000 head)	Number of holdings (‘000)	Average breeding herd size (head)
2000	610	7.2	85
2005	470	6.8	69
2006	468	6.2	76
2007	455	6.1	74
2008	421	6.1	75
2009	426	5.8	78
2010	427	6.0	71
2011	432	6.0	72
2012	425	6.1	70
2013	421	6.0	70
2014	406	6.0	68
2015	408	6.6	62
2016	415	n/a	n/a

Census methodology changed from June 2010 and, as a result, smaller units were omitted from the survey. Source: Defra June Agricultural Survey. n/a = Not available

Figure 2.2 Breeding sow numbers



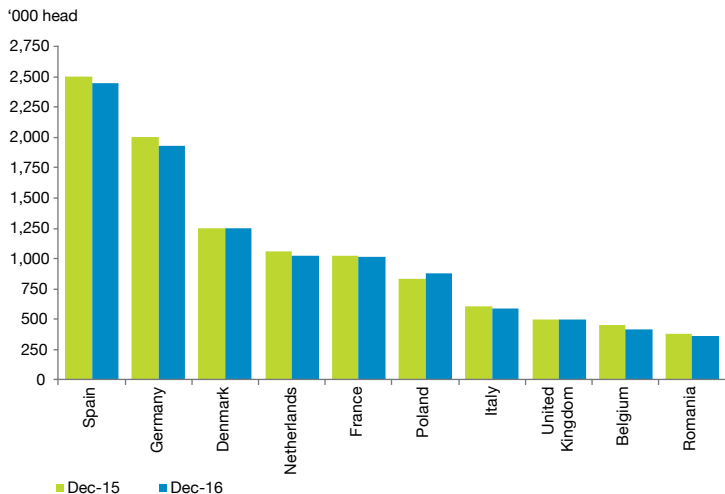
Source: Defra June Agricultural Survey, December census

Table 2.3 Breeding pig numbers by region, June survey

	2012	2013	2014	2015	2016
England	84%	83%	82%	81%	82%
Wales	1%	1%	1%	1%	1%
Scotland	7%	7%	7%	8%	7%
Northern Ireland	8%	9%	10%	10%	10%

Source: Defra June Agricultural Survey

Figure 2.3 Breeding pig numbers in the EU



Source: Eurostat



Figure 3.1 English pig abattoir numbers

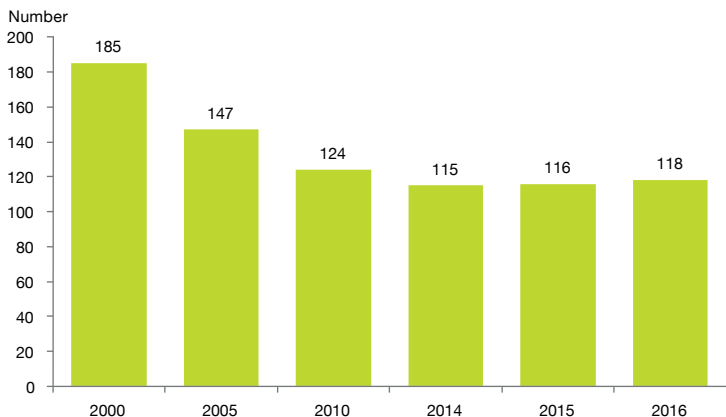


Table 3.1 Abattoirs slaughtering pigs in England

	Abattoir numbers	Of which specialist pig abattoir numbers	Average annual throughput (head)
2000	185	24	53,003
2005	147	15	48,620
2010	124	15	59,237
2014	115	14	74,057
2015	116	14	77,299
2016	118	14	76,339

Source: AHDB data based on abattoirs operating in the calendar year.

Table 3.2 Size profile of all abattoirs slaughtering pigs in England, 2016

Size group (head)	Number of abattoirs	Total throughput (head)	Average throughput (head)	Share of throughput (%)
1–10,000	79	208,502	2,639	2.3
10,001–30,000	18	288,870	16,048	3.2
30,001–100,000	9	448,953	49,884	5.0
100,001–500,000	4	870,005	217,501	9.7
> 500,001	8	7,191,688	898,961	79.8
Total	118	9,008,018	76,339	100.0

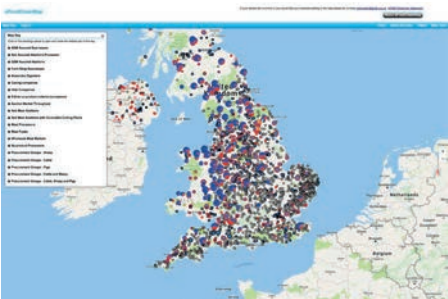
Source: AHDB data based on abattoirs operating in the calendar year.

Table 3.3 Size profile of specialist pig abattoirs in England, 2016

Size group (head)	Number of abattoirs	Total throughput (head)	Average throughput (head)	Share of throughput (%)
1–100,000	5	65,108	13,022	1.0
100,001+	9	6,355,960	1,173,834	99.0
Total	14	6,421,068	458,648	100.0

Note: Specialist pig abattoirs are defined as plants where 95 per cent of slaughterings are pigs.

Source: AHDB data based on abattoirs operating in the calendar year.



The eFoodChainMap from AHDB is an interactive UK map which plots a range of information, including the location of abattoirs, auction markets, meat processors and meat traders using colour coded pins. The map can be accessed at the website: <https://www.emap.org.uk/map.aspx>

Chapter 4 - Slaughterings and Production

Table 4.1 UK pig slaughterings

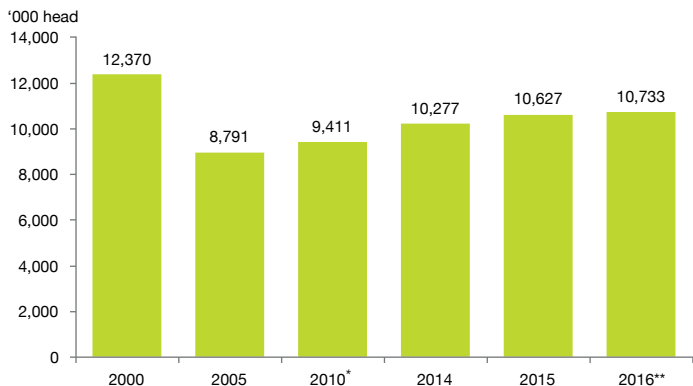
'000 head	Sows and boars	Clean pigs	Total pigs
2000	321	12,370	12,692
2005	202	8,971	9,173
2010*	225	9,411	9,635
2014	243	10,227	10,470
2015	245	10,627	10,872
2016**	257	10,733	10,990

*53-week statistical year

**Defra changed to calendar months from February 2016

Source: Defra, AHDB

Figure 4.1 Trends in UK clean pig slaughterings



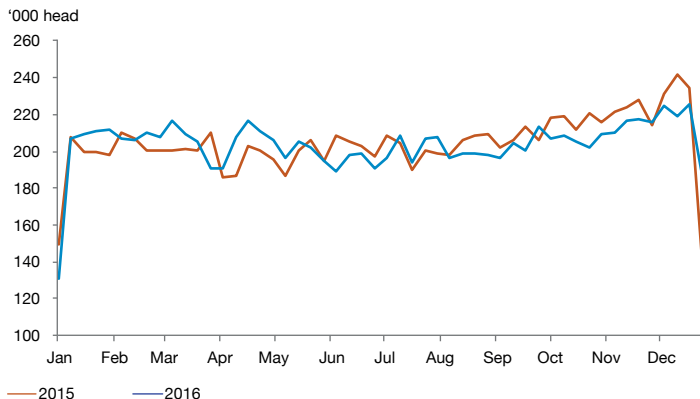
*53-week statistical year

**Defra changed to calendar months from February 2016

Source: Defra

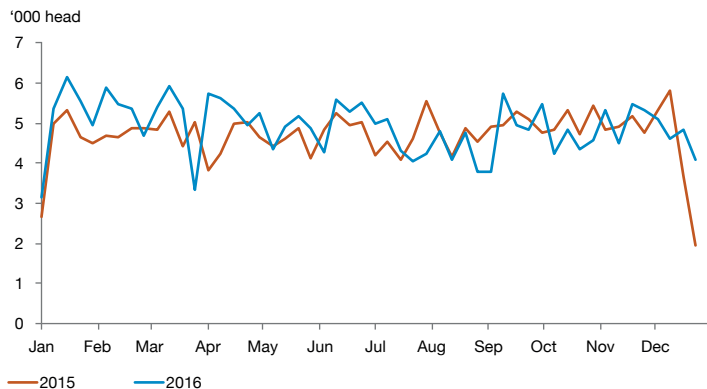
Slaughterings and Production

Figure 4.2 Weekly clean pig slaughter, UK



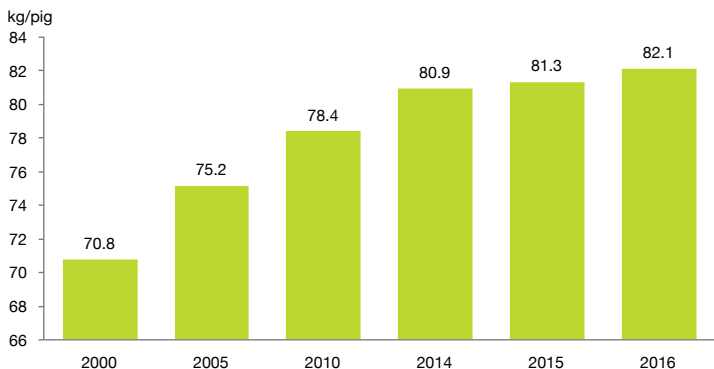
Source: AHDB/Defra

Figure 4.3 Weekly sow culling, UK



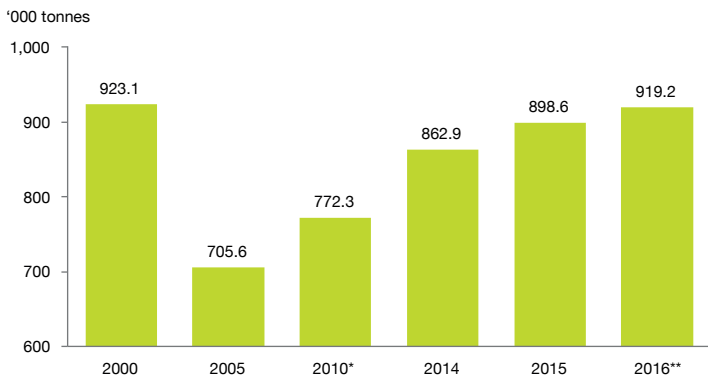
Source: AHDB/Defra

Figure 4.4 Average clean pig carcass weights, UK



Source: Defra

Figure 4.5 Pig meat production trends, UK



*53-week statistical year

**Defra changed to calendar months from February 2016

Source: Defra

Slaughterings and Production

Table 4.2 Industry trends (productivity and production)

	2000	2005	2010**	2014	2015	2016***
UK average sow productivity (a)						
Pigs per sow	19.0	17.7	20.2	23.9	25.4	25.8
Pig meat per sow (kg)	1,345	1,331	1,587	1,933	2,066	2,121
Slaughterings and production						
Clean pig slaughter ('000 head)	12,370	8,971	9,411	10,227	10,627	10,733
*ACW (kg)	70.8	75.2	78.4	80.9	81.3	82.1
= clean pig production ('000 tonnes)	875	674	738	828	864	881
Sow/boar slaughter ('000 head)	321	202	225	243	245	257
*ACW (kg)	148.4	155.5	154.5	145.6	146.5	146.0
= sow/boar meat production ('000 tonnes)	48	31	35	35	34	38
Total pig meat production ('000 tonnes)	923	706	772	863	899	919

*ACW = Average carcase weight

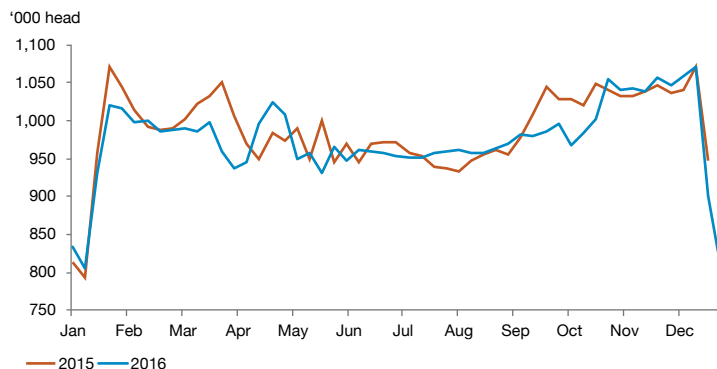
**53-week statistical year

***Defra changed to calendar months from February 2016

(a) NOT survey results. Based on relationship between clean pig slaughter and lagged breeding herd.

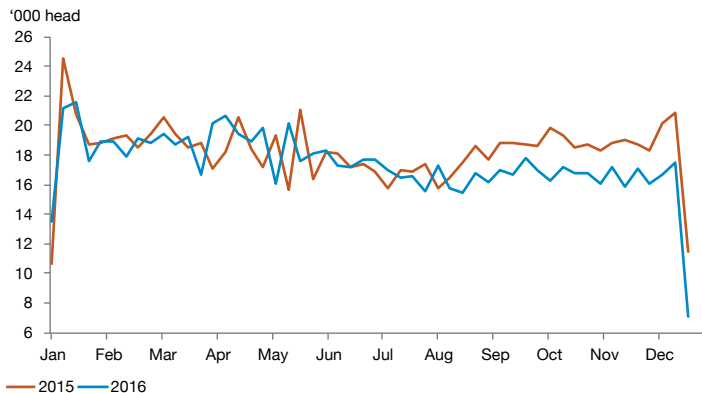
Source: Defra, AHDB

Figure 4.6 Clean pig slaughterings: three-week rolling average, Germany



Source: AMI

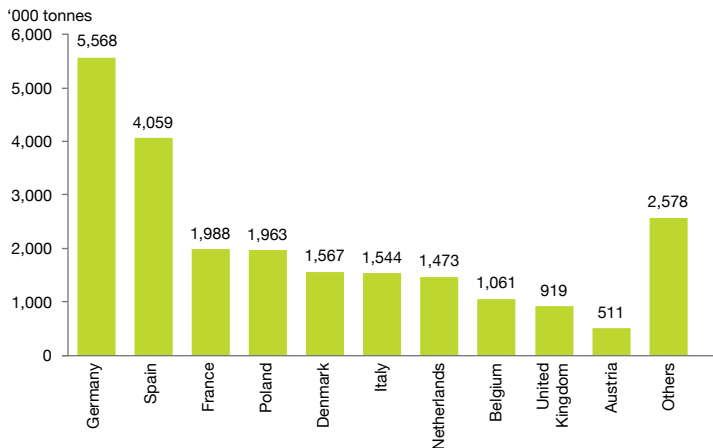
Figure 4.7 Weekly sow slaughterings, Germany



Source: AMI

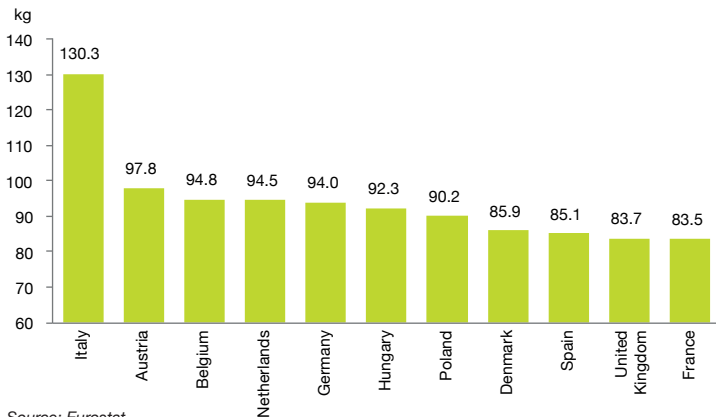
Slaughterings and Production

Figure 4.8 EU pig meat production, 2016



Source: Eurostat

Figure 4.9 Average pig carcass weights in the EU, 2016



Source: Eurostat

Chapter 5 - Livestock and Meat Prices

Table 5.1 GB deadweight pig prices

	GB SPP (EU Specification)				GB APP (EU Specification)			
	2014	2015	2016	2015-16	2014	2015	2016	2015-16
	p/kg dw			% change	p/kg dw			% change
January	-	140.70	117.37	-16.6	-	144.06	121.59	-15.6
February	-	135.02	112.70	-16.5	-	138.72	116.66	-15.9
March	-	132.65	112.33	-15.3	-	136.54	115.98	-15.1
April	163.26	132.07	113.19	-14.3	165.25	136.02	116.83	-14.1
May	163.98	131.28	116.01	-11.6	166.12	136.02	119.46	-12.2
June	163.81	132.15	120.88	-8.5	165.51	136.88	124.35	-9.2
July	161.48	133.02	128.05	-3.7	163.67	137.18	130.67	-4.7
August	158.13	132.45	135.57	+2.4	160.63	136.78	137.85	+0.8
September	156.07	130.75	139.91	+7.0	158.75	134.88	141.93	+5.2
October	152.61	127.81	144.84	+13.3	156.14	131.83	147.26	+11.7
November	146.64	126.25	149.92	+18.7	150.35	129.91	152.08	+17.1
December	143.98	124.75	151.70	+21.6	147.63	128.98	154.54	+19.8
Annual price	158.74 *	131.67	129.12	-1.9	159.70 *	135.64	132.07	-2.6

*Calculated using 3 months' SPP/APP and 9 months' DAPP

Source: AHDB

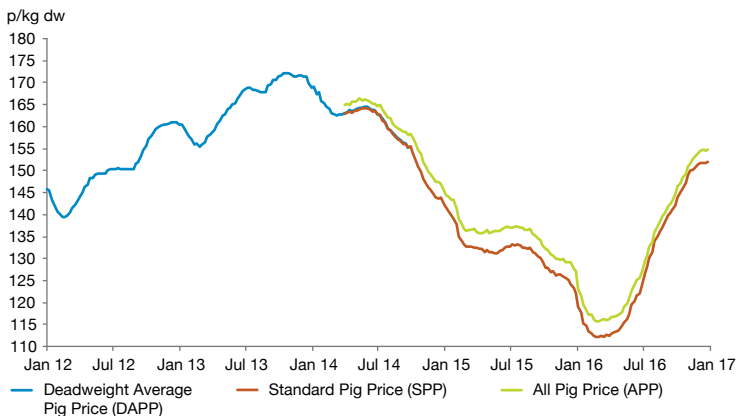
Livestock and Meat Prices

Table 5.2 GB weaner prices

	30kg weaners				7kg weaners			
	2014	2015	2016	2015–16	2014	2015	2016	2015–16
	£ per head			% change	£ per head			% change
January	55.73	45.78	37.60	-17.9	42.48	34.15	30.38	-11.0
February	56.20	45.20	36.62	-19.0	41.33	33.51	29.13	-13.1
March	55.93	44.87	36.73	-18.1	40.54	32.98	28.50	-13.6
April	56.71	44.60	37.44	-16.1	40.49	33.16	28.85	-13.0
May	56.13	44.27	38.56	-12.9	40.87	33.09	29.18	-11.8
June	56.39	44.23	40.14	-9.2	41.32	32.92	30.06	-8.7
July	56.02	44.29	42.71	-3.6	40.19	32.85	31.20	-5.0
August	53.38	43.87	45.96	+4.8	39.24	32.80	33.11	+0.9
September	52.34	44.37	47.40	+6.8	38.33	32.69	34.89	+6.7
October	48.99	43.40	49.65	+14.4	37.16	32.25	36.62	+13.6
November	49.07	41.47	53.93	+30.0	34.84	31.46	37.37	+18.8
December	47.00	40.75	54.60	+34.0	34.69	30.91	38.53	+24.7

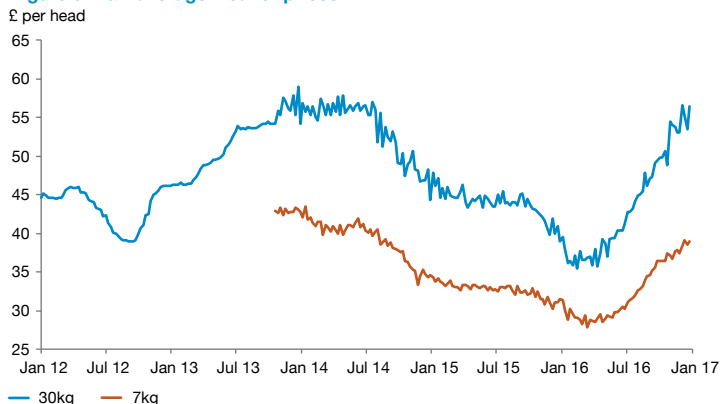
Source: AHDB

Figure 5.1 GB average producer pig prices



Source: AHDB

Figure 5.2 GB average weaner prices

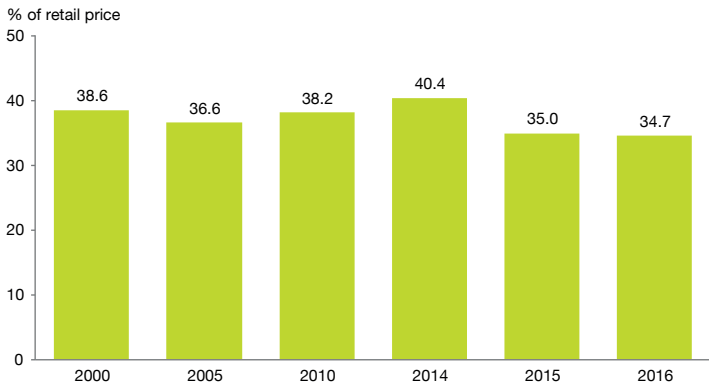


Note: The methodology for collecting 30kg weaner prices changed from November 2013. Figures after that date are not directly comparable with earlier months.

Source: AHDB

Livestock and Meat Prices

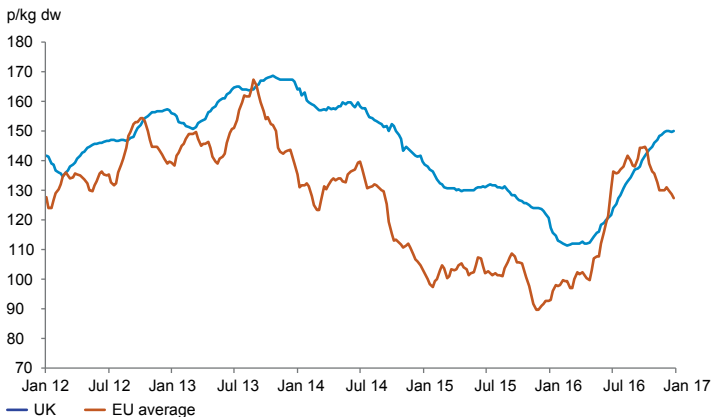
Figure 5.3 GB retail:producer price spreads



Note: Graph shows the average percentage of the retail price received by producers.

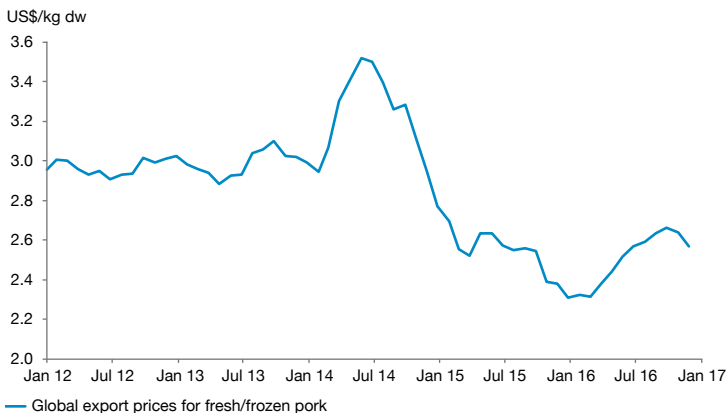
Source: AHDB

Figure 5.4 UK and EU pig meat reference prices



Source: EU Commission

Figure 5.5 Global pork export prices



Note: Global export price is the average price of fresh/frozen pork exported from the four major global exporters, EU, US, Canada and Brazil.

Source: IHS Maritime & Trade – Global Trade Atlas®



Chapter 6 - Imports and Exports

Table 6.1 Volume of total UK pig meat imports

Tonnes, product weight	2012	2013	2014	2015	2016
Fresh/frozen meat	349,198	351,723	358,138	371,746	439,693
Bacon/ham	257,814	249,847	256,155	251,050	242,555
Sausages	107,537	105,836	109,287	122,682	122,960
Processed hams, shoulders and pieces*	141,251	134,513	138,979	140,125	149,103
Total	855,800	841,919	862,559	885,603	954,311
Live pigs (head)	684,918	339,558	212,961	820,917	577,930

*Including canned

Source: IHS Maritime & Trade – Global Trade Atlas®, HMRC

Table 6.2 Value of total UK pig meat imports

£'000	2012	2013	2014	2015	2016
Fresh/frozen meat	690,174	739,834	699,406	613,125	777,638
Bacon/ham	648,610	644,871	601,343	536,356	551,909
Sausages	330,206	344,987	352,876	360,467	395,175
Processed hams, shoulders and pieces *	419,114	464,513	489,614	446,230	495,558
Total	2,088,104	2,194,205	2,143,239	1,956,178	2,220,280
Live pigs (head)	72,569	36,726	18,426	77,460	56,466

*Including canned

Source: IHS Maritime & Trade – Global Trade Atlas®, HMRC

Table 6.3 UK fresh/frozen pork imports by source

Tonnes, product weight	2012	2013	2014	2015	2016
Total	349,198	351,723	358,138	371,746	439,693
Denmark	99,561	88,835	89,680	97,858	169,668
Germany	66,731	77,651	74,579	67,706	68,488
Netherlands	49,038	56,347	55,774	55,953	49,481
Spain	23,357	24,413	27,089	33,532	37,726
Belgium	28,043	32,098	35,502	36,673	33,775
Ireland	37,652	31,864	31,963	32,528	32,437
France	33,655	30,079	31,879	27,280	24,995
Poland	2,395	2,193	4,493	11,292	14,297
Portugal	3,227	1,548	2,771	2,688	2,673
Italy	2,779	3,627	2,567	3,390	2,607
Romania	0	222	4	631	1,116
United States	673	946	856	909	954

Source: IHS Maritime & Trade – Global Trade Atlas®, HMRC

Table 6.4 UK bacon imports by source

Tonnes, product weight	2012	2013	2014	2015	2016
Total	257,814	249,847	256,155	251,050	242,555
Denmark	105,942	103,680	115,150	95,327	92,472
Netherlands	104,466	92,790	88,093	88,613	92,295
Germany	32,170	34,126	35,640	47,238	37,641

Source: IHS Maritime & Trade – Global Trade Atlas®, HMRC

Imports and Exports

Table 6.5 Volume of total UK pig meat exports

Tonnes, product weight	2012	2013	2014	2015	2016
Fresh/frozen meat	154,300	180,749	181,713	187,080	205,886
Bacon/ham	15,509	13,549	13,909	15,921	16,340
Sausages	9,702	10,866	10,612	9,371	6,260
Processed hams, shoulders and pieces*	12,268	12,024	13,802	13,141	12,671
Pig offal	48,534	41,648	45,084	58,929	77,007
Total	240,313	258,836	265,120	284,442	318,164
Live pigs (head)	3,810	2,079	1,295	126	589

*includes canned

Source: IHS Maritime & Trade – Global Trade Atlas®, HMRC

Table 6.6 Value of total UK pig meat exports

£'000	2012	2013	2014	2015	2016
Fresh/frozen meat	189,342	218,136	209,178	197,405	251,889
Bacon/ham	36,977	39,139	38,256	38,132	41,207
Sausages	17,204	17,204	18,269	16,158	15,345
Processed hams, shoulders and pieces*	32,906	29,002	34,241	31,117	25,308
Pig offal	30,249	26,091	35,048	38,464	64,353
Total	306,678	329,572	334,992	321,276	398,102
Live pigs (head)	1,863	1,631	1,481	82	352

*includes canned

Source: IHS Maritime & Trade – Global Trade Atlas®, HMRC

Table 6.7 Volume of UK fresh/frozen pork exports by destination

Tonnes, product weight	2012	2013	2014	2015	2016
Total	154,300	180,749	181,713	187,080	205,886
EU-28	112,331	127,624	127,490	130,122	130,967
Ireland	26,148	29,110	27,950	31,032	33,475
Germany	32,529	30,940	30,977	31,820	32,561
Denmark	12,255	20,397	23,702	23,604	22,130
Netherlands	18,835	21,467	19,648	18,083	17,486
Sweden	8,374	7,660	7,342	10,025	9,605
Belgium	5,648	5,931	7,213	5,747	5,668
China	11,458	25,006	24,669	27,250	40,016
Hong Kong	19,025	15,842	14,634	11,123	10,837
United States	2,677	3,112	3,267	5,998	8,177

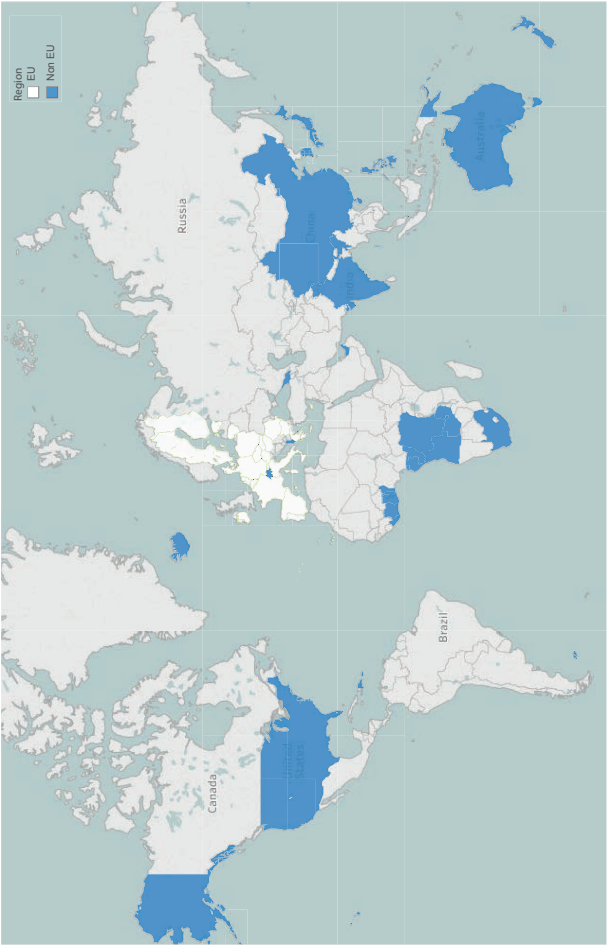
Source: IHS Maritime & Trade – Global Trade Atlas®, HMRC

Table 6.8 Value of UK fresh/frozen pork exports by destination

£'000	2012	2013	2014	2015	2016
Total	189,342	218,136	209,178	197,405	251,889
EU-28	143,004	166,452	157,366	138,118	159,785
Ireland	49,961	61,606	65,509	60,875	71,663
Germany	44,985	41,394	35,872	27,112	32,132
Denmark	15,481	22,274	24,864	22,378	25,000
Netherlands	13,101	19,180	16,319	9,512	10,386
Sweden	4,748	3,551	2,529	4,259	4,815
Belgium	4,499	4,455	4,219	2,846	3,439
China	10,645	20,441	19,619	25,027	43,344
United States	9,589	10,932	10,289	17,699	23,047
Hong Kong	18,081	13,457	11,980	7,632	10,248

Source: IHS Maritime & Trade – Global Trade Atlas®, HMRC

Figure 6.1 Map of UK fresh/frozen pork exports by destination



Note: the above map shows countries the UK exported fresh/frozen pork to in 2016 according to IHS Maritime & Trade - Global Trade Atlas@IHM Revenue & Customs
The website, <http://www.ukexp.com>, provides guidance on exporting, including a list of Export Health Certificates (EHC) available.
Source: IHS Maritime & Trade - Global Trade Atlas@IHM Revenue & Customs

Table 6.9 Volume of UK pig offal exports by destination

Tonnes, product weight	2012	2013	2014	2015	2016
Total	48,534	41,648	45,084	58,929	77,007
EU-28	35,000	22,372	11,130	13,294	15,926
Netherlands	11,441	7,103	5,097	6,233	8,335
Denmark	782	1,824	2,360	3,398	3,331
Ireland	5,981	3,951	2,644	1,891	2,216
Belgium	7,940	4,801	182	816	713
China	4,049	7,263	17,202	27,287	36,071
Hong Kong	6,975	8,335	11,980	10,957	15,198
Philippines	719	652	1,288	2,005	4,239
South Korea	226	321	833	1,369	1,655
Cote d'Ivoire	49	317	401	1,093	883

Source: IHS Maritime & Trade – Global Trade Atlas®, HMRC

Table 6.10 Value of UK pig offal exports by destination

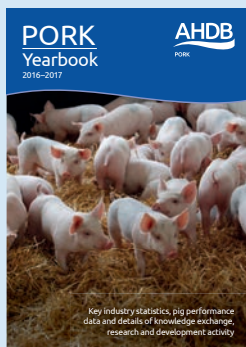
£'000	2012	2013	2014	2015	2016
Total	30,249	26,091	35,048	38,464	64,353
EU-28	17,822	10,113	5,503	5,213	6,947
Netherlands	6,583	2,825	1,598	1,350	3,046
Ireland	4,282	2,607	2,186	1,737	1,477
Belgium	1,730	868	123	290	500
China	3,310	5,555	11,654	17,937	31,385
Hong Kong	7,255	8,104	14,612	11,157	18,497
Philippines	454	462	981	1,073	3,121
South Korea	199	194	497	928	1,379
Vietnam	-	-	-	512	595
Cote d'Ivoire	38	150	178	419	370

Source: IHS Maritime & Trade – Global Trade Atlas®, HMRC

Table 6.11 EU fresh/frozen pig meat exports to non-EU countries

'000 tonnes, product weight	2012	2013	2014	2015	2016
Live animals	40.4	30.1	43.6	24.9	10.5
Fresh and frozen pork	1,392.1	1,448.1	1,361.1	1,606.4	2,124.8
Salted, dried, smoked pig meat	32.6	31.6	32.1	33.0	34.6
Pig offal	1,009.5	1,005.5	1,081.8	1,177.7	1,393.3
Sausages	129.0	131.3	121.6	110.5	95.2
Prepared and preserved	77.4	80.4	73.4	65.5	66.3
Pig fat	11.3	10.2	14.5	13.1	13.8
Lard	380.2	359.4	212.8	214.0	250.1
Total	3,072.5	3,096.6	2,940.9	3,245.1	3,988.6

Source: European Commission



The AHDB Pork Yearbook

This details the work being carried out in Knowledge Exchange, Research, Development and Innovation. This covers research projects, field trials, skills and training, and the industry in figures. The Yearbook also includes everything from technical performance trends and cost of production data, to carcase weights and average back fat measurements.

A copy of the Yearbook will be available to download from:
<http://pork.ahdb.org.uk/price-stats/published-reports/>

Table 6.12 EU fresh/frozen pork exports by destination

Tonnes, product weight	2012	2013	2014	2015	2016
Total	1,557,007	1,603,400	1,562,951	1,741,397	2,308,270
China	229,958	304,431	290,953	531,344	986,527
Japan	227,122	233,689	317,373	292,736	318,305
South Korea	137,252	99,166	194,935	188,924	219,781
Hong Kong	107,488	116,613	140,995	97,792	138,480
Philippines	24,937	40,310	79,884	74,753	90,069
United States	42,992	41,671	66,347	71,663	82,382
Australia	61,956	44,222	73,256	83,704	81,575
Taiwan	5,811	2,887	26,111	40,668	40,262
New Zealand	12,408	12,502	19,520	25,574	30,153
Singapore	23,405	17,738	27,319	27,672	25,725
Serbia	9,907	10,510	19,472	20,383	22,156
South Africa	22,530	17,056	17,129	24,314	21,919
Montenegro	18,447	18,891	32,332	19,908	20,530
Russia	309,861	366,655	17,494	3	15

Source: IHS Maritime & Trade – Global Trade Atlas®, HMRC

Note: Totals are higher than those of the EU Commission reported in Table 6.11 as the latter excludes meat from non-domestic swine

Table 6.13 EU pig offal exports by destination

Tonnes, product weight	2012	2013	2014	2015	2016
Total	1,007,656	1,003,841	1,083,962	1,176,103	1,391,017
China	387,445	399,667	470,984	614,501	822,451
Hong Kong	292,236	288,165	281,451	203,517	237,942
Philippines	33,797	42,589	81,953	78,084	85,647
Vietnam	564	2,315	9,859	25,181	34,857
South Korea	18,997	13,600	31,857	37,049	29,806
Thailand	12,851	16,770	26,961	27,594	27,854
Japan	7,863	8,880	12,234	17,790	25,698
Ukraine	26,154	19,708	22,424	28,313	22,598
Russia	121,826	96,455	5,401	442	21

Source: IHS Maritime & Trade – Global Trade Atlas®, HMRC

Note: Totals are higher than those of the EU Commission reported in Table 6.11 as the latter excludes meat from non-domestic swine



Table 7.1 UK per capita consumption of major meats

kg/person/year	Pig meat	Poultry meat	Beef & veal	Total meat
2000	23.6	30.5	18.5	79.2
2005	24.7	31.8	20.7	83.4
2006	24.9	31.2	20.9	83.2
2007	25.7	30.0	20.9	82.8
2008	24.5	29.5	20.0	80.0
2009	24.3	29.9	18.2	77.9
2010	24.1	31.8	18.6	79.4
2011	24.6	32.7	18.1	80.0
2012	24.6	32.8	18.0	79.7
2013	23.9	32.8	17.3	78.6
2014	24.4	33.0	17.8	79.8
2015	25.1	36.1	18.2	84.3
2016	26.2	37.3	18.2	86.6

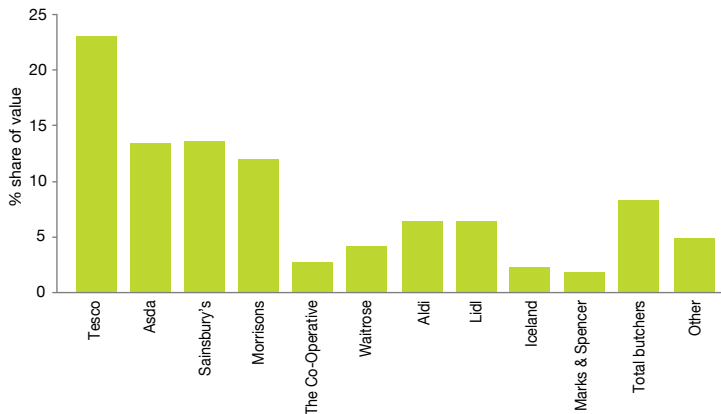
*Supplies available for consumption. All data in carcase weight equivalent.
Source: AHDB calculations based on data from Defra, HMRC, ONS*

Table 7.2 GB retail value sales by type of outlet

%	Multiples	Freezer centres	Butchers	Other
Pork				
2014	85.6	3.1	8.1	3.2
2015	86.0	2.7	8.0	3.2
2016	84.8	3.1	8.4	3.7
Bacon				
2014	87.6	5.7	3.5	3.3
2015	87.6	5.5	3.5	3.3
2016	88.2	5.1	3.3	3.5

*Data covers 52 weeks ending in early January of the following year.
Source: Kantar Worldpanel*

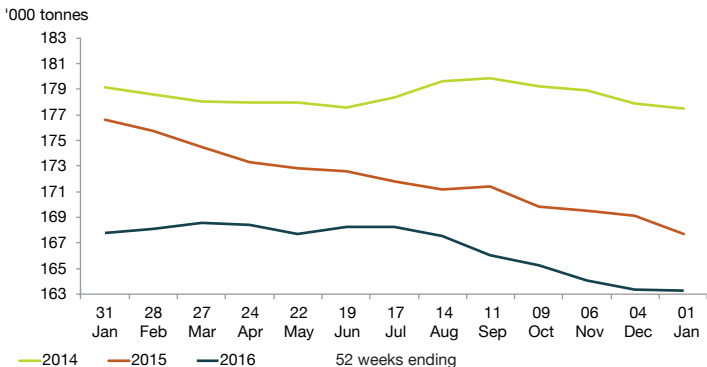
Figure 7.1 GB retailer shares of pork market by value, 2016



Data covers 52 weeks ending 1 January 2017

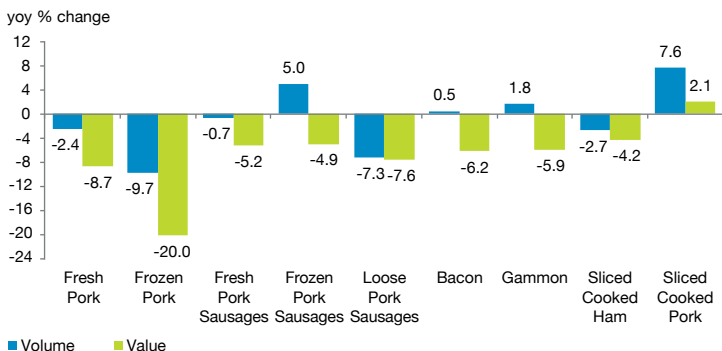
Source: Kantar Worldpanel

Figure 7.2 Trends in GB household pork purchases by volume



Source: Kantar Worldpanel

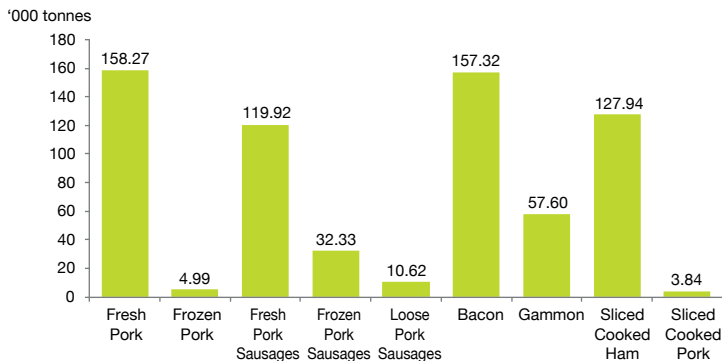
Figure 7.3 Change in GB retail volume and value sales of pig meat products, 2016



Data covers 52 weeks ending early January of the following year.

Source: Kantar Worldpanel

Figure 7.4 GB volume sales of pig meat by product, 2016

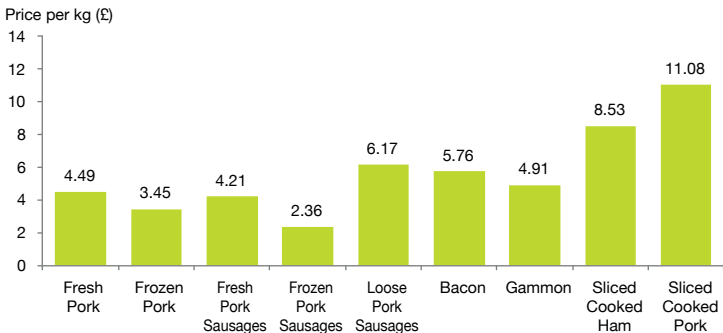


Data covers 52 weeks ending 1 January 2017.

Source: Kantar Worldpanel

Consumption

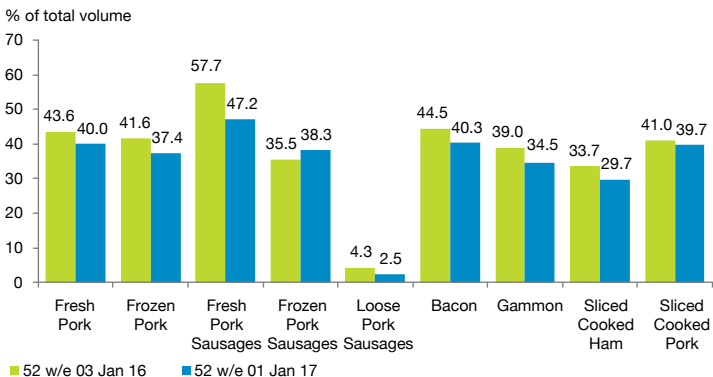
Figure 7.5 Average GB retail price of pig meat products, 2016



Data covers 52 weeks ending 1 January 2017.

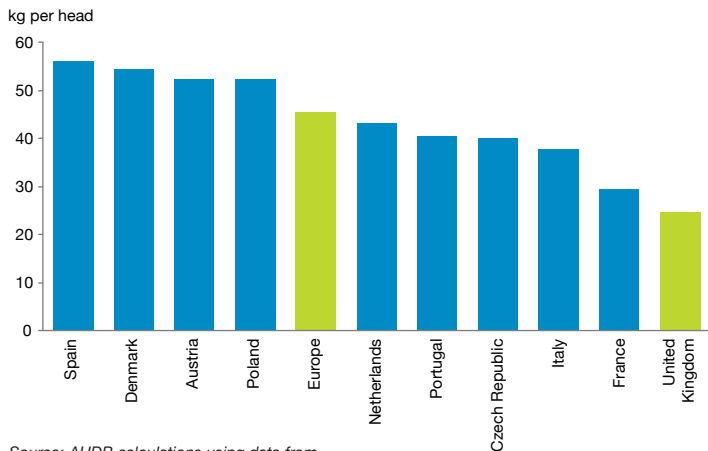
Source: Kantar Worldpanel

Figure 7.6 Share of pig meat products sold on promotion in GB retail outlets



Source: Kantar Worldpanel

Figure 7.7 Per capita consumption of pig meat in selected EU Member States, 2016

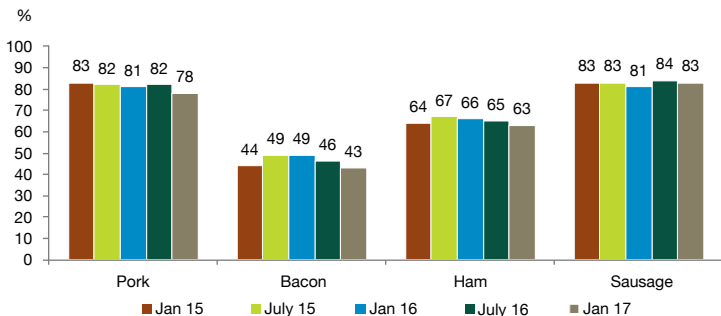


Source: AHDB calculations using data from Eurostat, IHS Maritime & Trade – Global Trade Atlas®



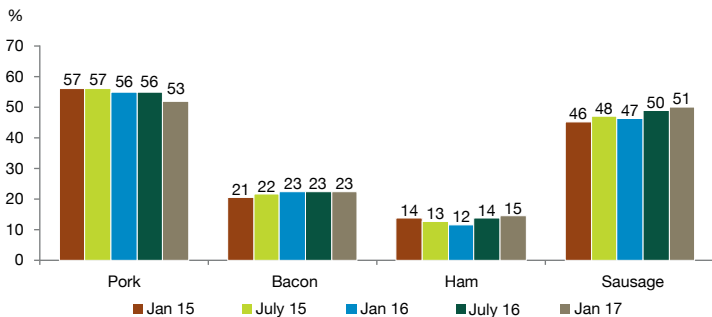
Consumption

Figure 7.8 Percentage of product facings with British logo sold in the total GB market



Source: AHDB/ESA

Figure 7.9 Percentage of product facings with Red Tractor quality standard mark sold in the total GB market



Source: AHDB/ESA

Chapter 8 - Pig Carcase Classification

The Meat and Livestock Commercial Services Ltd (MLCSL) Independent Authentication Service

John Messenger, Quality Manager

The information provided by MLCSL's Pig Carcase Authentication Service is used widely as the basis for transactions between producers and slaughterers. The current service, which incorporates all of the mandatory requirements of the EU Pig Carcase Grading Scheme, was introduced in GB in 2010. The service provides pig slaughterers with technically trained MLCSL staff who independently establish all of the important criteria for trade between pig suppliers and abattoirs.

The Service Includes

Identification - Carcases are individually serial numbered and the slap marks are read and recorded to identify each consignment of pigs. The Pigs (Records, Identification and Movement) Order 2003 requires all pigs going to slaughter to be identified by a Defra allocated herdmark on both shoulders. This must be legible before and after slaughter to allow correct tracing of the pigs for both payment and biosecurity.

Weighing - Carcases are individually weighed. Hot weights are recorded, with hot weight rebates and dressing coefficients deducted to establish the payment weight. Regular scale and tare checks form an integral part of the service. Mature boars and sows are not covered by the mandatory scheme but a weighing service is available as part of the Authentication Service.

Backfat measurement and lean meat percentage - MLCSL classifiers are trained to operate all of the approved classification equipment.

Methods and Probes

MLCSL offers all methods of pig carcase classification for the prediction of lean meat percentage in accordance with EU legislation. Each method involves taking carcase measurements with EU approved equipment at specified positions on each carcase.

The following equipment is approved for use in the UK:

- Optical Probe
- Hennessey Grading Probe (HGP)
- Fat-O-Meater (FOM)
- AutoFOM
- CSB Ultra-Meater

The HGP, FOM, AutoFOM and CSB Ultra-Meater are all automatic recording probes.

Method 1

Optical Probe is used to measure backfat and rind thickness at the P1 and P3 positions, level with the head of the last rib. The probe is inserted 4.5cm and 8cm from the dorsal midline respectively. The sum of the P1 and P3 measurements is recorded.

Method 2

Optical Probe is used to measure backfat and rind thickness at the P2 position, level with the head of the last rib. The probe is inserted 6.5cm from the dorsal midline.

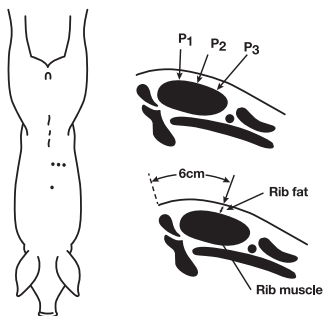
Pig Carcase Classification

Method 3

HGP or FOM are used to measure:

- Backfat and rind thickness at the P2 position as for Method 2. The HGP or FOM probes are inserted 6cm from the dorsal midline.
- Backfat and rind thickness at a point 6cm from the dorsal midline between the third and fourth last rib. This measurement is referred to as rib fat.
- Longissimus dorsi (eye muscle) depth at a point 6cm from the dorsal midline between the third and fourth last rib. This measurement is referred to as rib muscle.

Figure 8.1 Locations of probing on a pig carcase



Lean Meat Percentage and EU Grade

Lean meat percentage is calculated as follows:

Optical probe

Cold carcase weight and P2 (or P1 + P3) fat depths are used to estimate lean meat percentage.

An EU grade can be allocated to a carcase by using the lean meat percentage figure.

Lean meat percentage	EU grade
60% and above	S
55–59%	E
50–54%	U
45–49%	R
40–44%	O
39% or less	P

Visual Appraisal

This is the identification of pigs with carcase faults. These are described as “Z” carcasses. Carcasses that are scraggy, deformed, blemished, pigmented and coarse skinned, those with soft fat or pale muscle and those devalued by being partially condemned are recorded as “Z” on the carcase record (PCC1 or computer equivalent). Young boars are identified and recorded. Carcasses with poor conformation are recorded as “C” carcasses at the request of the abattoir.

Dressing Specification

Carcase dressing specifications are closely monitored by MLCSL staff and provide a vital element of the carcase record.

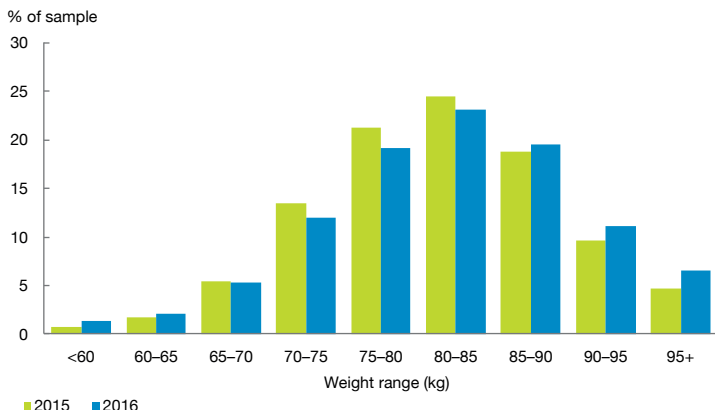
Classification Consistency

To ensure consistency of pig carcase classification standards by MLCSL staff, various procedures are strictly applied to the operation of the scheme. Extensive training programmes, both in-plant and centrally, ensure that classifiers maintain the required standards of proficiency. Classifiers are checked regularly by Divisional Managers and nominated checkers on a local basis, with the Quality Manager providing a GB link.

Each check requires the manager/checker separately to classify and record 20 carcasses. The classification measurements assessed by the classifier are then checked against the manager's measurements and an analysis of accuracy levels for the 20 carcasses is made. This analysis measures both bias (the tendency of a classifier to measure higher or lower classifications than the checker) and consistency (the overall level of agreement between classifier and checker).

All checks are analysed at MLCSL's HQ to ensure classifiers are meeting accuracy levels.

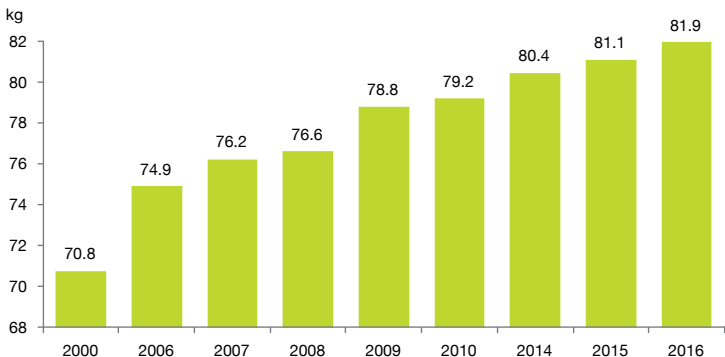
Figure 8.2 Distribution of the GB classified sample by carcase weight



Source: AHDB/MLCSL

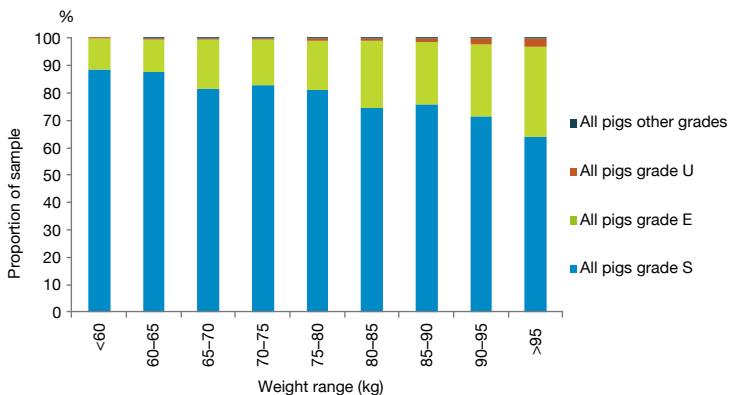
Pig Carcase Classification

Figure 8.3 Average carcase weights of the GB collected sample



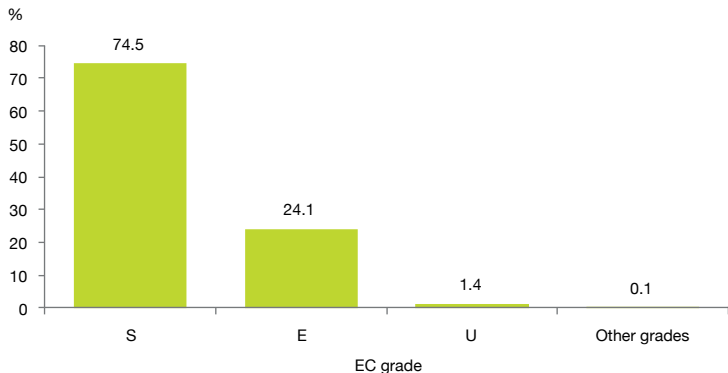
Source: AHDB/MLCSL

Figure 8.4 Distribution of the classified sample in EC grade by weight band, 2016



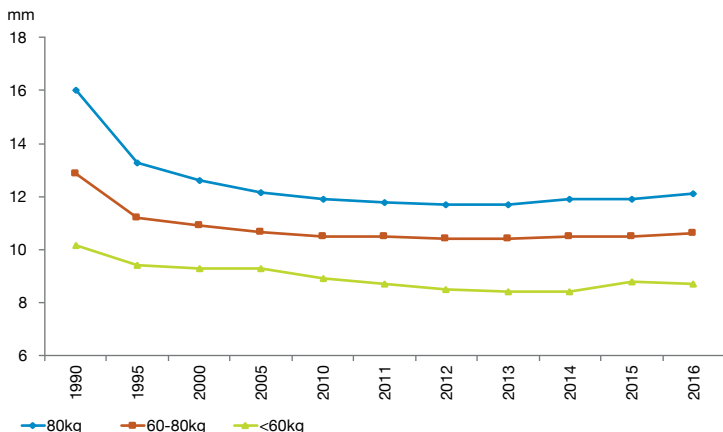
Source: AHDB/MLCSL

Figure 8.5 Distribution of the GB classified sample by EC grade, 2016



Source: AHDB/MLCSL

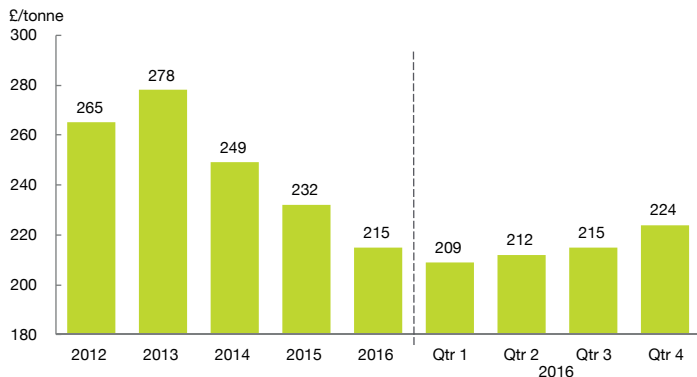
Figure 8.6 Trends in P2 fat depth



Source: AHDB/MLCSL

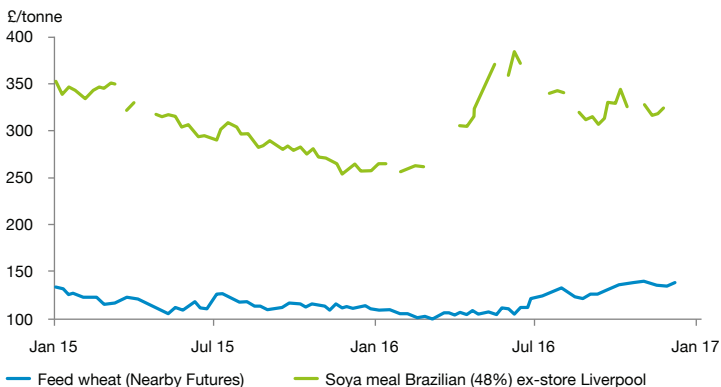
Chapter 9 - Feed Prices

Figure 9.1 Average pig compound feed prices, GB



Source: Defra

Figure 9.2 Feed wheat and soya meal prices



Source: AHDB





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ISBN 978-1-904437-97-0