# Monthly US Lamb Market Update

February 2018 Issue

Prepared Exclusively for Meat & Livestock Australia - Sydney

February 15, 2018

#### USA Domestic Lamb Market - Supply/Demand Situation

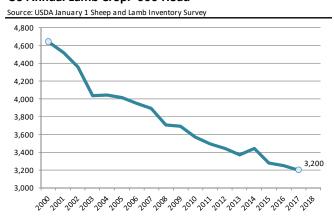
#### Special Edition: Sheep and Lamb Inventory Results

Coming into this latest survey the question on the mind of many that follow the US lamb industry was whether we would see a stabilization, if not an increase, in the inventory numbers. We have seen a notable improvement in meat protein demand in the US and the hope was that robust demand and strong prices last year were enough to stimulate growth. The latest data, however, shows that the US sheep and lamb industry continues to contract and we are likely to see further declines in the next year. The total inventory of sheep and lambs as of January 1 was 5.230 million head, 20,000 head (-0.4%) lower than a year ago. The inventory of breeding sheep was estimated at 3.830 million head, down 45,000 head (-1.2%) compared to last year and the lowest breeding stock on record. Most of the reduction in the breeding stock was due ewe liquidation. The breeding stock of ewes that were 1 year or older was 3.005 million head, down 40,000 head (-1.3%) compared to a year ago. The inventory of replacement lambs was estimated at 655,000 head, 5,000 head (-0.8%) compared to a year ago.

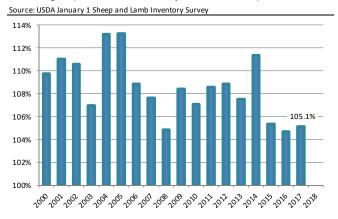
In 2010 the breeding stock was estimated at 4.185 million head. Often the high price of lamb and consumer preferences are presented as reasons for the steady decline in lamb domestic supplies. However, the US economy has been steadily improving since 2010 and yet the breeding herd today is 8% smaller than it was back then. In the last 20 years the US sheep breeding herd has declined by an astounding 1.78 million head (-32%). Increased availability of imported lamb and, we think, consumer preference for imported lamb has caused imports to make up an increasing share of US lamb consumption. Today almost 60% of the lamb that US consumers eat comes from imports, largely Australia and New Zealand.

The inventory of lambs and sheep that are going to be marketed was modestly higher than the previous year but the supply of lamb coming to market in 2018 is likely to track below year ago levels. The estimated calf crop for 2017 was 3.2 million head, down 50,000 head from a year ago. Part of the reason for the decline in the calf crop recently is the drop in the lambing percentage. For the period 2009—2014 the average lambing percentage was 108.6%. However, in the last three years it has declined to 105%. Lambing

#### US Annual Lamb Crop. '000 Head



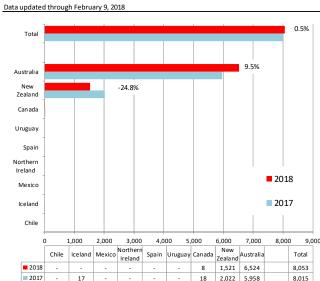
#### Lambing % (Ratio of Lamb Crop to +1Yr Ewes)



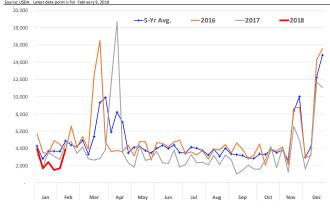
# Imported Lamb Supply and Price Trends

- Lamb imports in the first few weeks of this year were about steady compared to a year ago but the mix of imports was different. Imports from Australia were up 9.5% through February 9 while imports from New Zealand at 1,521 MT were down 25% from a year ago (see chart).
- Lamb feature activity should improve in the next few weeks and then spike in March due to Easter holiday demand. Easter in 2016 was on Sunday March 27 while in 2017 Easter was on April 16 (see chart). We think this year lamb merchandising will be similar to what we observed in 2016 as Easter will be on April 1. Last year Easter features were notably better than a year ago but it remains to be seen how aggressive retailers will be in featuring lamb given that prices are currently well above year ago levels.
- Prices for all imported lamb products, be this from Australia or New Zealand, are up compared to a year ago. For the week ending February 12 the price of fresh large Australian lamb racks, cap off, was \$9.84/lb., 18.6% higher than a year ago. The price of smaller size racks was up as much as 31% on last year.
- Frozen lamb prices also continue to trend above year ago levels on limited domestic production, higher beef prices and generally better demand in the US market. Boneless leg prices at \$3.90/lb. are up 22% compared to a year ago while the price of bone-in legs was last quoted at \$3.58/ lb., 19.2% higher than last year.
- New Zealand frozen lamb rack prices are currently trading well above \$10/lb, some 30% above year ago levels.

#### US YTD Lamb Imported Volume. Metric Ton



#### NATIONAL RETAIL LAMB FEATURE REPORT: ACTIVITY INDEX



2,022 5,958

8,015

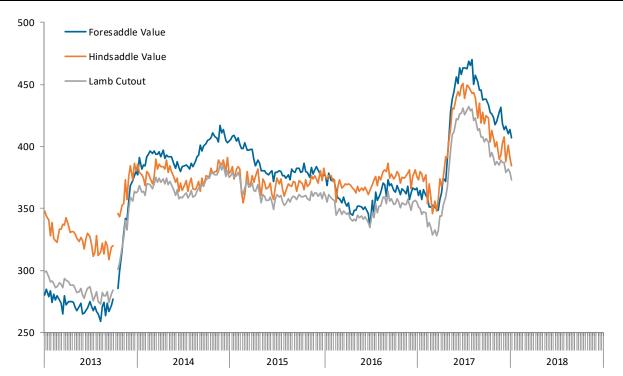
#### **US Domestic Pork Cut and Primal Values**

Weekly Prices from USDA. Wt. Average

		2/9/2018	2/2/2018	w/w	2/10/2017	у/у
		US\$/cwt	US\$/cwt	% ch.	US\$/cwt	% ch.
Foresaddle	204 Rack, 8-Rib, Medium	800.6	850.1	-5.8%	698.8	14.6%
	209 Breast	216.5	217.1	-0.3%	157.9	37.1%
	207 Shoulders, Square Cut	279.1	274.2	1.8%	277.7	0.5%
	210 Foreshank	430.0	430.2	0.0%	376.9	14.1%
	Neck	179.3	184.1	-2.6%	160.3	11.9%
Foresaddle V	alue	396.5	405.9	-2.3%	358.2	10.7%
Hindsaddle	232 Loin, Trimmed, 4x4	566.8	511.5	10.8%	527.9	7.4%
	232E Flank, Untrimmed	114.1	130.2	-12.3%	50.2	127.5%
	233A Leg, Trotter Off	350.9	354.6	-1.0%	320.6	9.4%
Hindsaddle Value		388.5	378.6	2.6%	354.0	9.7%
Carcass Value		369.6	369.8	-0.1%	335.3	10.2%

# Hindsaddle, Foresaddle and Total Lamb Cutout Value

Source: USDA Mandatory Price Reporting System



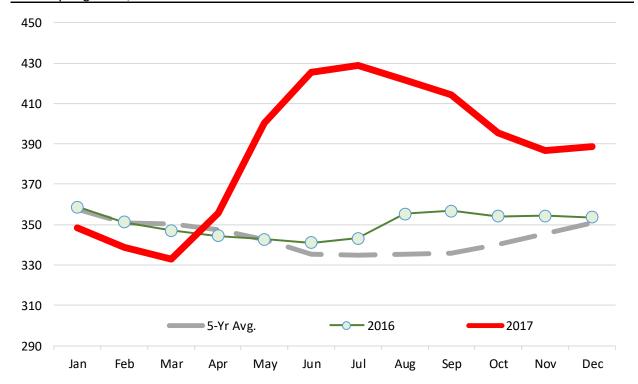
### **Domestic Lamb Cutout Value, USA**

Source: Agricultural Marketin Service, USDA. \$ per 100 lb. Dressed Carcass

	2012	2013	2014	2015	2016	2017	5-Yr Avg.	% ch. vs. Yr Ago	% ch. vs. 5-Yr Avg.
Jan	392.64	295.97	364.04	377.17	358.74	348.34	357.71	-2.9%	-2.6%
Feb	382.52	285.38	368.59	366.93	351.23	338.77	350.93	-3.5%	-3.5%
Mar	376.25	287.81	372.54	369.36	347.15	332.97	350.62	-4.1%	-5.0%
Apr	367.24	288.76	372.34	364.78	344.57	355.50	347.54	3.2%	2.3%
May	359.03	283.13	367.01	361.36	342.63	400.16	342.63	16.8%	16.8%
Jun	338.70	282.75	360.09	355.17	341.06	425.44	335.56	24.7%	26.8%
Jul	332.95	279.64	360.52	357.71	343.29	428.96	334.82	25.0%	28.1%
Aug	320.18	277.79	366.81	356.28	355.42	421.48	335.30	18.6%	25.7%
Sep	313.59	280.42	369.26	359.34	356.77	414.16	335.87	16.1%	23.3%
Oct	307.68	303.25	376.51	359.34	354.23	395.31	340.20	11.6%	16.2%
Nov	302.39	330.34	380.70	360.56	354.47	386.74	345.69	9%	12%
Dec	299.45	360.29	378.98	361.26	353.66	388.59	350.73	10%	11%

#### **USA Domestic Lamb Cutout Value**

Monthly Avg. Price; Source: USDA



Slaughter Lamb	Price, Sioux	Falls, SD Basis
----------------	--------------	-----------------

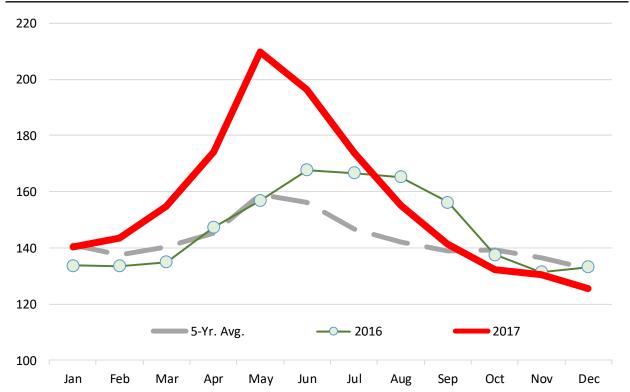
Monthly Average Prices, 90-115 lb., \$/cwt

		,	, . ,						
	2012	2013	2014	2015	2016	2017	5-Yr. Avg.	% ch. vs. Yr Ago.	% ch. vs. 5-Yr Avg.
Jan	149.0	111.2	166.0	145.2	133.7	140.2	140.9	4.9%	0.5%
Feb		109.3	157.5	143.9	133.6	143.6	137.6	7.5%	-4.2%
Mar	147.0	104.0	157.5	143.2	135.0	154.7	140.2	14.7%	-9.4%
Apr		108.6	150.6	145.6	147.3	174.1	145.3	18.2%	-16.6%
May	153.0	114.2	155.8	163.8	156.7	209.5	158.8	33.7%	-24.2%
Jun	135.2	116.6	152.2	168.2	167.6	196.3	156.0	17.1%	-20.5%
Jul	108.5	117.1	153.8	158.9	166.7	173.8	146.5	4.2%	-15.7%
Aug	101.9	118.4	155.5	156.9	165.2	155.2	142.2	-6.1%	-8.4%
Sep	88.4	124.9	161.7	160.0	156.3	141.3	138.8	-9.6%	-1.8%
Oct	93.0	153.2	164.8	155.8	137.7	132.1	139.4	-4.0%	5.5%
Nov	95.5	163.1	160.4	137.8	131.4	130.3	136.4	-0.9%	4.7%
Dec	97.0	157.9	150.1	131.7	133.2	125.46	132.6	-5.8%	5.7%

Source: USDA

# Slaughter Lamb Price, Sioux Falls, SD Basis

Monthly Average Prices, 90-115 lb., \$/cwt



#### Imported Lamb Price Summary

Source: USDA Agricultural Marketing Service, Mandatory Price Reporting

	2018 YTD Volume		18 YTD . Avg. \$	lr	2018 YTD nplied Value	Feb	20, 2017	Feb 5, 2018	Feb	12, 2018	% ch. vs. Week Ago	% ch. vs. Year Ago
Fresh/Chilled												
	Pounds	:	\$/lb.		Total \$							
AUS Shortloin, 1-Rib, 0x0	860,534	\$	5.50	\$	4,735,273	\$	4.83	\$ 5.65	\$	5.46	-3.4%	13.0%
AUS Shoulder, Square-cut	376,298	\$	3.04	\$	1,142,441	\$	2.54	\$ 3.07	\$	3.12	1.6%	23.0%
AUS Rack, FR, Cap-off, 28 oz/up	508,947	\$	9.76	\$	4,966,087	\$	8.30	\$ 9.91	\$	9.84	-0.7%	18.6%
AUS Shortloin, 1-Rib, 1x1	27,549	\$	5.25	\$	144,632	\$	5.09	\$ 5.38	\$	5.34	-0.7%	5.1%
AUS Leg, semi bnls	40,237	\$	4.28	\$	172,259	\$	3.84	\$ 4.29	\$	4.37	1.9%	13.7%
AUS Rack, FR, Cap-off, 24-28 oz	92,037	\$	10.72	\$	986,529	\$	8.62	\$ 10.65	\$	11.27	5.7%	30.8%
AUS Rack, FR, Cap-off, 20-24 oz	50,949	\$	10.36	\$	527,693	\$	9.08	\$ 10.14	\$	11.03	8.8%	21.5%
AUS Foreshank, VP	44,112	\$	3.73	\$	164,655	\$	3.46	\$ 3.87	\$	3.86	-0.1%	11.6%
Subtotal	2,000,663	\$	6.42	\$	12,839,568	\$	5.52	\$ 6.52	\$	6.48	-0.6%	17.5%
Frozen												
AUS Leg, Long	978,867	\$	2.39	\$	2,341,189	\$	3.00	\$ 3.71	\$	3.58	-3.5%	19.2%
AUS Leg, bnls	666,775	\$	2.39	\$	1,594,748	\$	3.20	\$ 3.98	\$	3.90	-2.0%	22.1%
AUS Shoulder, Square-cut, bnls	422,223	\$	2.39	\$	1,009,845	\$	3.04	\$ 3.77	\$	3.64	-3.6%	19.6%
AUS Shoulder, Square-cut	726,188	\$	2.39	\$	1,736,848	\$	2.12	\$ 2.58	\$	2.60	1.0%	22.9%
AUS Foreshank, LP	348,957	\$	2.39	\$	834,612	\$	2.18	\$ 2.59	\$	2.60	0.3%	19.3%
AUS Hindshank, VP	78,103	\$	2.39	\$	186,802	\$	2.37	\$ 3.12	\$	2.64	-15.4%	11.3%
AUS Rack, FR, Cap-off, 28 oz/up	100,339	\$	2.39	\$	239,984	\$	7.39	\$ 9.98	\$	10.58	6.1%	43.3%
AUS Hindshank, LP	84,566	\$	2.39	\$	202,259	\$	2.41	\$ 2.48	\$	3.02	21.4%	25.0%
AUS Rack, FR, Cap-off, 20-24 oz	91,146	\$	2.39	\$	217,997	\$	7.45	\$ 10.48	\$	10.31	-1.6%	38.4%
AUS Rack, FR, Cap-off, 24-28 oz	140,723	\$	2.39	\$	336,572	\$	7.38	\$ 9.71	\$	9.64	-0.7%	30.5%
NZ Rack, FR, Cap-off, 16-20 oz	370,241	\$	2.39	\$	885,518	\$	8.40	\$ 10.46	\$	10.73	2.6%	27.7%
NZ Rack, FR, Cap-off, 12-16 oz	192,401	\$	2.39	\$	460,172	\$	8.30	\$ 10.75	\$	10.80	0.4%	30.0%
NZ Rack, FR, Cap-off, 20 oz/up	168,208	\$	2.39	\$	402,309	\$	7.56	\$ 10.59	\$	10.22	-3.5%	35.2%
NZ Rack, FR, Cap-off, 12 oz/dn	12,635	\$	2.39	\$	30,220	\$	8.40	\$ 10.65	\$	11.15	4.7%	32.8%
Subtotal	4,381,372	\$	2.39	\$	10,479,075	\$	4.01	\$ 5.09	\$	5.06	-0.5%	26.0%

Please note that the prices, volume and sales value reported above represents only subset of total US lamb imports. It only reflects the data reported through the Mandatory Price Reporting System. It is only for negotiated sales, no formula sales. Trade from smaller importers and traders is not included in the summary above. Data that does not meet the confidentiality guidelines also is not included in the above table.

### **USA LAMB & MUTTON**

QUARTERLY SLAUGHTER, PRODUCTION, IMPORTS, EXPORTS AND DISAPPEARANCE. CARCASS WT. EQUIVALENT (CWE)

* 3rd Qtr. 539 3.8% 64.9 -0.5% 34.9 -0.2% 55.0 -4.3% 1.6 -3.1% 1.3 1 91 4.0% * 4th Qtr. 578 2.9% 65.9 -0.5% 38.1 2.7% 57.0 0.8% 1.7 4.4% 1.3 1 96 -1.7%				=A x B											
Varie & Common   Varie   Var		Α		В		С		D		E		F	G	=C+D-E+F+G	
1st Qtr.		_		Carc. Wt.		Lamb Prod.		-		-		Production	End. Stocks to Balance	Disapp.	
1st Qtr.															
2nd Qtr. 564	2013														
3rd Qtr.   666   97%   65.5   7.6%   39.7   1.3%   36.3   5.5%   1.2   -94.1%   1.2   4   7.2   -4.1%   4.1   4.		537	3.2%		-5.4%	37.7		49.2	28.1%			1			27.4%
## 14 Dec   19   19   19   14   10   18   19   19   18   18   19   18   18															
Very															
2014 1st Qtr. 538 0.2% 69.1 -1.6% 37.2 -1.3% 46.0 -6.5% 1.6 -30.0% 13 -3 80 -10.1% 3rd Qtr. 699 4.2% 69.8 0.4% 42.5 4.7% 46.0 11.3% 1.9 -5.8% 13 -3 80 -10.1% 3rd Qtr. 583 -3.9% 65.0 -0.7% 37.9 -4.5% 44.7 23.2% 1.7 46.3% 1.2 -9 73 1.5% 4th Qtr. 580 -2.0% 66.1 3.1% 83.3 1.1% 55.2 26.5% 1.4 1.7 46.3% 1.2 -9 373 1.5% Year 2,309 -0.4% 67.5 0.4% 155.9 0.0% 194.9 12.6% 6.7 7.0% 5.1 -9 340 5.3%  2015 1st Qtr. 536 -4.6% 69.9 1.2% 37.5 0.8% 52.5 14.2% 1.2 -2.73% 1.3 0 0.90 12.8% 2nd Qtr. 564 -7.4% 69.9 1.2% 37.5 0.8% 52.5 14.2% 1.2 -2.73% 1.3 0 0.90 12.8% 2nd Qtr. 565 -4.6% 66.4 2.1% 59.9 -2.6% 46.1 32.% 0.9 48.8% 1.2 -1 94 6.5% 4th Qtr. 568 -2.1% 65.0 -1.6% 36.9 3.7% 59.3 75.% 1.3 1.13% 1.3 1.1 97 -2.1% Year 2,224 3.7% 67.7 0.2% 150.4 3.5% 213.7 9.7% 45. 33.6% 5.0 -7 358 5.1%  2016 1st Qtr. 586 -5.3% 66.6 6.8 2.1% 36.9 3.7% 59.3 75.% 1.3 1.13% 1.3 1.1 9.7 -2.1% Year 2,228 0.6% 67.7 0.2% 150.4 38.0 1.3% 68.2 2.9.8% 1.2 -0.8% 1.3 1.3 1.0 9.7 -2.1% Year 2,238 0.6% 67.1 -0.3% 150.2 -0.1% 213.7 9.7% 45. 33.6% 5.0 -7 358 5.1%  2016 1st Qtr. 568 -6.4% 68.6 -0.2% 35.0 -0.0% 38.0 1.3% 68.2 2.9.8% 1.2 -0.8% 1.3 1.3 1.0 1.0 6.17.9% Year 2,238 0.6% 67.1 -0.3% 150.2 -0.1% 215.9 1.0% 5.4 213.7 1.3 1.3 1.3 1.3 1.3 1.3 1.3 1.3 1.3 1.3	-														
1st Ctr.         538         0.2%         69.1         -1.6%         37.2         -1.3%         46.0         -6.5%         1.6         -30.0%         1.3         -3         80         -10.1%           2nd Qtr.         69.8         4.6         69.8         0.4%         42.5         4.7%         49.0         11.3%         19.0         -8.8%         1.2         -9         73         1.5%           3rd Qtr.         583         -3.9%         65.0         -0.7%         37.9         -4.5%         44.7         23.2%         1.7         46.3%         1.2         -9         73         1.5%           4th Qtr.         580         -2.0%         66.1         3.1%         38.3         1.1%         55.2         26.5%         1.4         -14.8%         1.2         -9         3.3         1.5%           2015         1st Qtr.         52.6         -4.4%         69.9         1.2%         37.5         0.8%         52.5         14.2%         1.2         -27.3%         1.3         0         90         12.8%           2016         7.5         56         -4.4%         69.4         2.1%         36.9         -2.5%         25.1         1.4         1.4         -14.8%<	Year	2,319	6.2%	67.2	-6.1%	155.9	-0.3%	173.1	12.7%	7.2	-32.0%	5.1	-4	323	7.6%
1st Ctr.         538         0.2%         69.1         -1.6%         37.2         -1.3%         46.0         -6.5%         1.6         -30.0%         1.3         -3         80         -10.1%           2nd Qtr.         69.8         4.6         69.8         0.4%         42.5         4.7%         49.0         11.3%         19.0         -8.8%         1.2         -9         73         1.5%           3rd Qtr.         583         -3.9%         65.0         -0.7%         37.9         -4.5%         44.7         23.2%         1.7         46.3%         1.2         -9         73         1.5%           4th Qtr.         580         -2.0%         66.1         3.1%         38.3         1.1%         55.2         26.5%         1.4         -14.8%         1.2         -9         3.3         1.5%           2015         1st Qtr.         52.6         -4.4%         69.9         1.2%         37.5         0.8%         52.5         14.2%         1.2         -27.3%         1.3         0         90         12.8%           2016         7.5         56         -4.4%         69.4         2.1%         36.9         -2.5%         25.1         1.4         1.4         -14.8%<	2014														
3rd Qrt.         583         4.9%         65.0         0.7%         37.9         4.5%         44.7         23.2%         1.7         66.3%         1.2         .9         73         1.5%         4th Qrt.         2.0%         66.1         3.1%         38.3         1.1%         55.2         2.65.%         6.7         7.0%         5.1         .9         340         5.3%           2015         1st Qrt.         536         0.4%         69.9         1.2%         37.5         0.8%         52.5         14.2%         1.2         -2.73.%         1.3         0         90         12.8%           2015         1st Qrt.         564         -7.4%         69.4         -0.7%         39.1         -8.0%         55.8         13.3%         1.1         -40.8%         1.2         -1         94         6.9%           3 rd Qrt.         556         -4.6%         66.4         2.1%         36.9         -2.6%         46.1         3.2%         0.9         -9.8%         1.2         -7         76         4.5%           4 th Qrt.         556         -4.5%         45.0         66.1         2.1%         35.0         1.3         0.9         1.7%         4.5         33.6%         1.1		538	0.2%	69.1	-1.6%	37.2	-1.3%	46.0	-6.5%	1.6	-30.0%	1.3	-3	80	-10.1%
4th Qtr.         580         -2.0%         66.1         3.1%         38.3         1.1%         55.2         26.5%         1.4         -14.8%         1.3         6         99         25.5%           Vear         2,309         -0.4%         67.5         0.4%         155.9         0.0%         194.9         12.6%         6.7         -7.0%         5.1         -9         340         5.3%           2015         1st Qtr.         536         -0.4%         69.9         1.2%         37.5         0.8%         52.5         14.2%         1.2         -27.3%         1.3         0         90         12.8%           2nd Qtr.         564         -7.4%         69.4         -0.7%         39.1         -8.0%         55.8         13.3%         1.1         40.8%         1.2         -1         94         6.9%           2nd Qtr.         566         -4.6%         66.0         -1.6%         36.9         -2.6%         46.1         3.2%         0.9         -4.8%         1.1         -0.8%         1.3         1         97         -2.1%           4 th Qtr.         568         -2.1%         67.0         2.0%         1.3         0.9         -2.1%         2.2         1.3 </td <td>2nd Qtr.</td> <td>609</td> <td>4.2%</td> <td>69.8</td> <td>0.4%</td> <td>42.5</td> <td>4.7%</td> <td>49.0</td> <td>11.3%</td> <td>1.9</td> <td>-5.8%</td> <td>1.3</td> <td>-3</td> <td>88</td> <td>6.0%</td>	2nd Qtr.	609	4.2%	69.8	0.4%	42.5	4.7%	49.0	11.3%	1.9	-5.8%	1.3	-3	88	6.0%
Year         2,309         -0.4%         67.5         0.4%         155.9         0.0%         194.9         12.6%         6.7         -7.0%         5.1         -9         340         5.3%           2015         1st Qtr.         536         -0.4%         69.9         1.2%         37.5         0.8%         52.5         14.2%         1.2         -2.73%         1.3         0         90         12.8%           2nd Qtr.         564         -7.4%         69.4         -0.7%         39.1         -8.0%         55.8         13.9%         1.1         -40.8%         1.2         -1         94         6.9%           3rd Qtr.         556         -4.6%         66.4         2.1%         36.9         -2.0%         46.1         3.2%         0.9         48.8%         1.2         -7         76         4.5%           Year         2,24         3.7%         67.7         0.2%         150.4         -3.5%         213.7         9.7%         4.5         33.6%         5.0         -7         358         5.1%           2016         13         13         69.9         0.0%         38.0         1.3%         68.2         29.8%         1.2         -0.8%         1.3	3rd Qtr.	583	-3.9%	65.0	-0.7%	37.9	-4.5%	44.7	23.2%	1.7	46.3%	1.2	-9	73	1.5%
2015 1st Qtr. 536	4th Qtr.	580	-2.0%	66.1	3.1%	38.3	1.1%	55.2	26.5%	1.4	-14.8%	1.3	6	99	25.5%
1st Qtr.       536       -0.4%       69.9       1.2%       37.5       0.8%       52.5       14.2%       1.2       -27.3%       1.3       0       90       12.8%         2nd Qtr.       556       -7.4%       69.4       -0.7%       39.1       -8.0%       55.8       13.9%       1.1       -40.8%       1.2       -7       76       4.5%         4th Qtr.       556       -4.6%       66.4       2.1%       36.9       -3.7%       59.3       7.5%       1.3       -11.3%       1.3       1       97       -2.1%         Year       2,224       -3.7%       65.0       -1.6%       36.9       -3.7%       59.3       7.5%       1.3       -11.3%       1.3       1       97       -2.1%         Year       2,224       -3.7%       65.0       -1.6%       38.0       1.3%       68.2       29.8%       1.2       -0.8%       1.3       0       106       17.9%         2nd Qtr.       571       1.4%       68.6       -1.1%       39.2       0.3%       54.7       -1.8%       1.1       -7.0%       1.3       1       95       1.3%         3rd Qtr.       571       1.4%       68.6       -2.7%	Year	2,309	-0.4%	67.5	0.4%	155.9	0.0%	194.9	12.6%	6.7	-7.0%	5.1	-9	340	5.3%
1st Qtr.       536       -0.4%       69.9       1.2%       37.5       0.8%       52.5       14.2%       1.2       -27.3%       1.3       0       90       12.8%         2nd Qtr.       556       -7.4%       69.4       -0.7%       39.1       -8.0%       55.8       13.9%       1.1       -40.8%       1.2       -7       76       4.5%         4th Qtr.       556       -4.6%       66.4       2.1%       36.9       -3.7%       59.3       7.5%       1.3       -11.3%       1.3       1       97       -2.1%         Year       2,224       -3.7%       65.0       -1.6%       36.9       -3.7%       59.3       7.5%       1.3       -11.3%       1.3       1       97       -2.1%         Year       2,224       -3.7%       65.0       -1.6%       38.0       1.3%       68.2       29.8%       1.2       -0.8%       1.3       0       106       17.9%         2nd Qtr.       571       1.4%       68.6       -1.1%       39.2       0.3%       54.7       -1.8%       1.1       -7.0%       1.3       1       95       1.3%         3rd Qtr.       571       1.4%       68.6       -2.7%	2015														
2nd Qtr.         564         -7.4%         69.4         -0.7%         39.1         -8.0%         55.8         13.9%         1.1         -40.8%         1.2         -1         94         6.9%           3rd Qtr.         556         -4.6%         66.4         2.1%         36.9         -2.6%         46.1         3.2%         0.9         -49.8%         1.2         -7         76         4.5%           4th Qtr.         558         -2.1%         65.0         -1.6%         36.9         -3.7%         59.3         75.%         1.3         1.13%         1         97         2.1%           Year         2,224         -3.7%         67.7         0.2%         150.4         -3.5%         213.7         9.7%         4.5         -33.6%         5.0         -7         358         5.1%           2016         1st Qtr.         543         1.3%         68.2         29.8%         1.2         -0.8%         1.3         0         106         17.9%           2nd Qtr.         551         1.4%         68.6         -1.1%         39.2         0.3%         54.7         -1.8%         1.1         -7.0%         1.3         0         106         17.9%         1.4		536	-0.4%	60 0	1 2%	27 5	0.8%	52.5	1/1 2%	1.2	-27 2%	1 2	0	90	12 8%
3rd Qtr.         556         -4.6%         66.4         2.1%         36.9         -2.6%         46.1         3.2%         0.9         -49.8%         1.2         -7         76         4.5%           4th Qtr.         568         -2.1%         65.0         -1.6%         36.9         -3.7%         59.3         7.5%         1.3         -11.3%         1.3         1         97         -2.1%           2016         1st Qtr.         543         1.3%         69.9         0.0%         38.0         1.3%         68.2         29.8%         1.2         -0.8%         1.3         0         106         17.9%           2nd Qtr.         571         1.4%         68.6         -1.1%         39.2         0.3%         54.7         -1.8%         1.1         -7.0%         1.3         1         95         1.3%           3rd Qtr.         558         0.3%         64.6         -2.7%         36.0         -2.4%         40.9         -1.14%         1.4         54.5%         1.3         7         84         9.8%           4th Qtr.         566         -0.4%         65.4         0.7%         37.0         0.3%         52.1         -12.1%         1.8         43.4%															
4th Qtr. 568															
Year         2,224         -3.7%         67.7         0.2%         150.4         -3.5%         213.7         9.7%         4.5         -33.6%         5.0         -7         358         5.1%           2016         1st Qtr.         543         1.3%         69.9         0.0%         38.0         1.3%         68.2         29.8%         1.2         -0.8%         1.3         0         106         17.9%           2nd Qtr.         571         1.4%         68.6         -1.1%         39.2         0.3%         54.7         -1.8%         1.1         -7.0%         1.3         1         95         1.3%           3rd Qtr.         558         0.3%         64.6         -2.7%         36.0         -2.4%         40.9         -11.4%         1.4         54.5%         1.3         7         96         -1.7%           Year         2,238         0.6%         67.1         -0.8%         150.2         -0.1%         215.9         1.0%         5.4         21.2%         5.2         15         381         6.5%           2017         1st Qtr.         533         -1.9%         69.8         -0.3%         37.2         -2.1%         79.9         17.2%         1.4         21.3															
2016 1st Qtr. 543	-														
1st Qtr. 543															
2nd Qtr. 571 1.4% 68.6 -1.1% 39.2 0.3% 54.7 -1.8% 1.1 -7.0% 1.3 1 95 1.3% 3rd Qtr. 558 0.3% 64.6 -2.7% 36.0 -2.4% 40.9 -11.4% 1.4 54.5% 1.3 7 84 9.8% Year 2,218 0.6% 67.1 -0.8% 150.2 -0.1% 215.9 1.0% 5.4 21.2% 5.2 15 381 6.5%    2017  1st Qtr. 533 -1.9% 69.8 -0.3% 37.2 -2.1% 79.9 17.2% 1.4 21.3% 1.3 0 11.7 10.1% 2nd Qtr. 548 -4.1% 65.1 -5.0% 35.7 -8.9% 57.8 5.6% 1.2 14.4% 1.3 0 94 -1.7% 3rd Qtr. 537 4.1% 65.2 0.9% 35.0 -2.8% 57.5 40.6% 1.7 21.9% 1.3 -5 87 4.0% Year 2,178 -2.7% 66.6 -0.8% 145.0 -3.5% 25.17 16.6% 5.9 8.9% 5.2 -1 395 3.7%    2018 * 1st Qtr. 548 3.0% 70.5 1.0% 38.2 2.6% 73.0 -8.7% 1.5 6.9% 1.4 5 11.6 -0.8% 2.04 0.7% 2.1% 2.1% 2.2% 5.2 1.1 395 3.7%    2018 * 1st Qtr. 553 2.9% 63.9 -2.0% 35.3 -1.0% 57.0 -1.4% 1.4 14.8% 1.3 2 94 0.7% 2.1% 2.1% 2.1% 2.2% 2.2% 2.2% 5.9 3.9% 5.2 -1 395 3.7%    2018 * 1st Qtr. 553 2.9% 63.9 -2.0% 35.3 -1.0% 57.0 -1.4% 1.4 14.8% 1.3 2 94 0.7% 2.1% 2.1% 2.2% 2.2% 2.2% 2.2% 2.2% 2.2															
3rd Qtr. 558 0.3% 64.6 -2.7% 36.0 -2.4% 40.9 -11.4% 1.4 54.5% 1.3 7 84 9.8% 4th Qtr. 566 -0.4% 65.4 0.7% 37.0 0.3% 52.1 -12.1% 1.8 43.4% 1.3 7 96 -1.7% Year 2,238 0.6% 67.1 -0.8% 150.2 -0.1% 215.9 1.0% 5.4 21.2% 5.2 15 381 6.5%   2017  1st Qtr. 533 -1.9% 69.8 -0.3% 37.2 -2.1% 79.9 17.2% 1.4 21.3% 1.3 0 117 10.1% 3rd Qtr. 548 -4.1% 65.1 -5.0% 35.7 -8.9% 57.8 5.6% 1.2 14.4% 1.3 0 94 -1.7% 3rd Qtr. 537 4.1% 65.2 0.9% 35.0 -2.8% 57.5 40.6% 1.7 21.9% 1.3 -5 87 4.0% 4th Qtr. 560 3.4% 66.3 1.3% 37.1 0.3% 56.5 88.4% 1.6 -11.6% 1.3 4 97 1.8% Year 2,178 -2.7% 66.6 -0.8% 145.0 -3.5% 251.7 16.6% 5.9 8.9% 5.2 -1 395 3.7%  2018  * 1st Qtr. 542 3.0% 70.5 1.0% 38.2 2.6% 73.0 -8.7% 1.5 6.9% 1.4 5 116 -0.8% *2 rd Qtr. 553 2.9% 63.9 -2.0% 35.3 -1.0% 57.0 -1.4% 1.4 14.8% 1.3 2 94 0.7% *2 rd Qtr. 57.9 3.8% 64.9 -0.5% 34.9 -0.2% 55.0 -4.3% 1.6 -3.1% 1.3 1 91 4.0% *2 rd Qtr. 57.9 3.8% 64.9 -0.5% 34.9 -0.2% 55.0 -4.3% 1.6 -3.1% 1.3 1 91 4.0% *2 rd Qtr. 57.8 2.9% 66.5 -0.5% 38.1 2.7% 57.0 0.8% 1.7 4.4% 1.3 1 96 -1.7% *2 rd Qtr. 57.0 2.8% 1.7 4.4% 1.3 1 96 -1.7% *2 rd Qtr. 57.0 2.8% 1.7 4.4% 1.3 1 96 -1.7% *2 rd Qtr. 57.0 2.8% 1.7 4.4% 1.3 1 96 -1.7% *2 rd Qtr. 57.0 2.8% 1.7 4.4% 1.3 1 96 -1.7% *2 rd Qtr. 57.0 2.8% 1.7 4.4% 1.3 1 96 -1.7% *2 rd Qtr. 57.0 2.8% 1.7 4.4% 1.3 1 96 -1.7% *2 rd Qtr. 57.0 2.8% 1.7 4.4% 1.3 1 96 -1.7% *2 rd Qtr. 57.0 2.8% 1.7 4.4% 1.3 1 96 -1.7% *2 rd Qtr. 57.0 2.8% 1.7 4.4% 1.3 1 96 -1.7% *2 rd Qtr. 57.0 2.8% 1.7 4.4% 1.3 1 96 -1.7% *2 rd Qtr. 57.0 2.8% 1.7 4.4% 1.3 1 96 -1.7% *2 rd Qtr. 57.0 2.8% 1.7 4.4% 1.3 1 96 -1.7% *2 rd Qtr. 57.0 2.8% 1.7 4.8% 1.3 1 96 -1.7% *2 rd Qtr. 57.0 2.8% 1.7 4.4% 1.3 1 96 -1.7% *2 rd Qtr. 57.0 2.8% 1.7 4.8% 1.3 1 96 -1.7% *2 rd Qtr. 57.0 2.8% 1.7 4.8% 1.3 1 96 -1.7% *2 rd Qtr. 57.0 2.8% 1.7 4.8% 1.5 5.1% 5.3 9 397 0.4% *2 rd Qtr. 57.0 2.8% 1.5 5.0 0.0% 1.7 4.4% 1.3 1 92 1.7% *2 rd Qtr. 57.0 2.8% 1.5 5.0 0.0% 1.7 4.4% 1.3 1 92 1.7% *2 rd Qtr. 57.0 2.8% 1.5 5.0 0.0% 1.7 4.4% 1.3 1 92 1.7% *2 rd Qtr. 57.0 2.8% 1.5 5.0 0.0% 1.7 6.2% 1.3 1 92 1.7% *2 rd Qtr. 57.0 2.8% 1.5 5.0 0.0% 1.															
4th Qtr. 566	-														
Year         2,238         0.6%         67.1         -0.8%         150.2         -0.1%         215.9         1.0%         5.4         21.2%         5.2         15         381         6.5%           2017         1st Qtr.         533         -1.9%         69.8         -0.3%         37.2         -2.1%         79.9         17.2%         1.4         21.3%         1.3         0         117         10.1%           2nd Qtr.         548         -4.1%         65.1         -5.0%         35.7         -8.9%         57.8         5.6%         1.2         14.4%         1.3         0         94         -1.7%           3rd Qtr.         537         4.1%         65.2         0.9%         35.0         -2.8%         57.5         40.6%         1.7         21.9%         1.3         -5         87         4.0%           4th Qtr.         560         3.4%         66.3         1.3%         37.1         0.3%         251.7         16.6%         5.9         8.9%         5.2         -1         395         3.7%           2018         1.0         2.2         2.0         35.3         1.0         -3.5%         251.7         16.6%         5.9         8.9%         5.2	-														
2017  1st Qtr. 533 -1.9% 69.8 -0.3% 37.2 -2.1% 79.9 17.2% 1.4 21.3% 1.3 0 117 10.1% 2nd Qtr. 548 -4.1% 65.1 -5.0% 35.7 -8.9% 57.8 5.6% 1.2 14.4% 1.3 0 94 -1.7% 3rd Qtr. 537 4.1% 65.2 0.9% 35.0 -2.8% 57.5 40.6% 1.7 21.9% 1.3 -5 87 4.0% 4th Qtr. 560 3.4% 66.3 1.3% 37.1 0.3% 56.5 8.4% 1.6 -11.6% 1.3 4 97 1.8% Year 2,178 -2.7% 66.6 -0.8% 145.0 -3.5% 251.7 16.6% 5.9 8.9% 5.2 -1 395 3.7%  2018  * 1st Qtr. 542 3.0% 70.5 1.0% 38.2 2.6% 73.0 -8.7% 1.5 6.9% 1.4 5 116 -0.8% 2nd Qtr. 553 2.9% 63.9 -2.0% 35.3 -1.0% 57.0 -1.4% 1.4 14.8% 1.3 2 94 0.7% 3rd Qtr. 539 3.8% 64.9 -0.5% 34.9 -0.2% 55.0 -4.3% 1.6 -3.1% 1.3 1 91 4.0% 4th Qtr. 578 2.9% 65.9 -0.5% 38.1 2.7% 57.0 0.8% 1.7 4.4% 1.3 1 96 -1.7% 3rd Qtr. 578 2.9% 65.9 -0.5% 38.1 2.7% 57.0 0.8% 1.7 4.4% 1.3 1 96 -1.7% 3rd Qtr. 578 2.9% 65.9 -0.5% 38.1 2.7% 57.0 0.8% 1.7 4.4% 1.3 1 96 -1.7% 3rd Qtr. 578 2.9% 65.9 -0.5% 38.1 2.7% 57.0 0.8% 1.7 4.4% 1.3 1 96 -1.7% 3rd Qtr. 578 2.9% 65.9 -0.5% 38.1 2.7% 57.0 0.8% 1.7 4.4% 1.3 1 96 -1.7% 3rd Qtr. 578 2.9% 65.9 -0.5% 38.1 2.7% 57.0 0.8% 1.7 4.4% 1.3 1 96 -1.7% 3rd Qtr. 578 2.9% 65.5 0.5% 146.5 1.1% 242.0 3.9% 6.2 5.1% 5.3 9 397 0.4% 3rd Qtr. 571 2.4% 65.6 2.7% 37.4 5.9% 58.0 1.8% 1.5 7.1% 1.3 5 100 6.4% 3rd Qtr. 571 2.4% 65.6 2.7% 37.4 5.9% 58.0 1.8% 1.5 7.1% 1.3 5 100 6.4% 3rd Qtr. 560 2.1% 65.3 0.7% 36.6 4.7% 55.0 0.0% 1.7 6.2% 1.3 1 92 1.7% 4th Qtr. 593 1.5% 66.5 1.0% 39.5 3.6% 59.0 3.5% 1.9 11.8% 1.3 0 98 2.3%															
1st Qtr.         533         -1.9%         69.8         -0.3%         37.2         -2.1%         79.9         17.2%         1.4         21.3%         1.3         0         117         10.1%           2nd Qtr.         548         -4.1%         65.1         -5.0%         35.7         -8.9%         57.8         5.6%         1.2         14.4%         1.3         0         94         -1.7%           3rd Qtr.         537         4.1%         65.2         0.9%         35.0         -2.8%         57.5         40.6%         1.7         21.9%         1.3         -5         87         4.0%           4th Qtr.         560         3.4%         66.3         1.3%         37.1         0.3%         56.5         8.4%         1.6         -11.6%         1.3         4         97         1.8%           Year         2,178         -2.7%         66.6         -0.8%         145.0         -3.5%         251.7         16.6%         5.9         8.9%         5.2         -1         395         3.7%           2018         **         1st Qtr.         552         2.3         3.8         4.9         -2.0%         35.3         -1.0%         57.0         -8.7%         1.5	Tear	2,230	0.6%	67.1	-0.6%	150.2	-0.1%	215.9	1.0%	5.4	21.2%	3.2	15	201	0.5%
2nd Qtr. 548	2017														
3rd Qtr. 537 4.1% 65.2 0.9% 35.0 -2.8% 57.5 40.6% 1.7 21.9% 1.3 -5 87 4.0% 4th Qtr. 560 3.4% 66.3 1.3% 37.1 0.3% 56.5 8.4% 1.6 -11.6% 1.3 4 97 1.8% Year 2,178 -2.7% 66.6 -0.8% 145.0 -3.5% 251.7 16.6% 5.9 8.9% 5.2 -1 395 3.7%   2018 * 1st Qtr. 542 3.0% 70.5 1.0% 38.2 2.6% 73.0 -8.7% 1.5 6.9% 1.4 5 116 -0.8% 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	1st Qtr.	533	-1.9%	69.8	-0.3%	37.2	-2.1%	79.9	17.2%	1.4	21.3%	1.3	0	117	10.1%
4th Qtr. 560 3.4% 66.3 1.3% 37.1 0.3% 56.5 8.4% 1.6 -11.6% 1.3 4 97 1.8% Year 2,178 -2.7% 66.6 -0.8% 145.0 -3.5% 251.7 16.6% 5.9 8.9% 5.2 -1 395 3.7%  2018 * 1st Qtr. 542 3.0% 70.5 1.0% 38.2 2.6% 73.0 -8.7% 1.5 6.9% 1.4 5 116 -0.8% 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	2nd Qtr.	548	-4.1%	65.1	-5.0%	35.7	-8.9%	57.8	5.6%	1.2	14.4%	1.3	0	94	-1.7%
Year 2,178 -2.7% 66.6 -0.8% 145.0 -3.5% 251.7 16.6% 5.9 8.9% 5.2 -1 395 3.7%  2018 * 1st Qtr. 542 3.0% 70.5 1.0% 38.2 2.6% 73.0 -8.7% 1.5 6.9% 1.4 5 116 -0.8% * 2nd Qtr. 553 2.9% 63.9 -2.0% 35.3 -1.0% 57.0 -1.4% 1.4 14.8% 1.3 2 94 0.7% * 3rd Qtr. 539 3.8% 64.9 -0.5% 34.9 -0.2% 55.0 -4.3% 1.6 -3.1% 1.3 1 91 4.0% * 4th Qtr. 578 2.9% 65.9 -0.5% 38.1 2.7% 57.0 0.8% 1.7 4.4% 1.3 1 96 -1.7% * Year 2,212 1.5% 66.3 -0.5% 146.5 1.1% 242.0 -3.9% 6.2 5.1% 5.3 9 397 0.4%  2019 * 1st Qtr. 542 2.6% 69.6 -1.3% 37.7 -1.2% 75.0 2.7% 1.5 0.0% 1.4 -4 109 -6.4% * 2nd Qtr. 571 2.4% 65.6 2.7% 37.4 5.9% 58.0 1.8% 1.5 7.1% 1.3 5 100 6.4% * 3rd Qtr. 571 2.4% 65.6 2.7% 37.4 3.9% 58.0 1.8% 1.5 7.1% 1.3 1 92 1.7% * 3rd Qtr. 560 2.1% 65.3 0.7% 36.6 4.7% 55.0 0.0% 1.7 6.2% 1.3 1 92 1.7% * 4th Qtr. 593 1.5% 66.5 1.0% 39.5 3.6% 59.0 3.5% 1.9 11.8% 1.3 0 98 2.3%	3rd Qtr.	537	4.1%	65.2	0.9%	35.0	-2.8%	57.5	40.6%	1.7	21.9%	1.3	-5	87	4.0%
2018 * 1st Qtr. 542 3.0% 70.5 1.0% 38.2 2.6% 73.0 -8.7% 1.5 6.9% 1.4 5 116 -0.8% * 2nd Qtr. 553 2.9% 63.9 -2.0% 35.3 -1.0% 57.0 -1.4% 1.4 14.8% 1.3 2 94 0.7% * 3rd Qtr. 559 3.8% 64.9 -0.5% 34.9 -0.2% 55.0 -4.3% 1.6 -3.1% 1.3 1 91 4.0% * 4th Qtr. 578 2.9% 65.9 -0.5% 38.1 2.7% 57.0 0.8% 1.7 4.4% 1.3 1 96 -1.7% * Year 2,212 1.5% 66.3 -0.5% 146.5 1.1% 242.0 -3.9% 6.2 5.1% 5.3 9 397 0.4%  2019 * 1st Qtr. 542 2.6% 69.6 -1.3% 37.7 -1.2% 75.0 2.7% 1.5 0.0% 1.4 -4 109 -6.4% * 2nd Qtr. 571 2.4% 65.6 2.7% 37.4 5.9% 58.0 1.8% 1.5 7.1% 1.3 5 100 6.4% * 3rd Qtr. 560 2.1% 65.3 0.7% 36.6 4.7% 55.0 0.0% 1.7 6.2% 1.3 1 92 1.7% * 4th Qtr. 593 1.5% 66.5 1.0% 39.5 3.6% 59.0 3.5% 1.9 11.8% 1.3 0 98 2.3%	4th Qtr.	560	3.4%	66.3		37.1	0.3%	56.5	8.4%			1.3		97	1.8%
* 1st Qtr. 542 3.0% 70.5 1.0% 38.2 2.6% 73.0 -8.7% 1.5 6.9% 1.4 5 116 -0.8%   * 2nd Qtr. 553 2.9% 63.9 -2.0% 35.3 -1.0% 57.0 -1.4% 1.4 14.8% 1.3 2 94 0.7%   * 3rd Qtr. 539 3.8% 64.9 -0.5% 34.9 -0.2% 55.0 4.3% 1.6 -3.1% 1.3 1 91 4.0%   * 4th Qtr. 578 2.9% 65.9 -0.5% 38.1 2.7% 57.0 0.8% 1.7 4.4% 1.3 1 96 -1.7%   * Year 2,212 1.5% 66.3 -0.5% 146.5 1.1% 242.0 -3.9% 6.2 5.1% 5.3 9 397 0.4%    2019 ** 1st Qtr. 542 2.6% 69.6 -1.3% 37.7 -1.2% 75.0 2.7% 1.5 0.0% 1.4 -4 109 -6.4%   * 2nd Qtr. 571 2.4% 65.6 2.7% 37.4 5.9% 58.0 1.8% 1.5 7.1% 1.3 5 100 6.4%   * 3rd Qtr. 560 2.1% 65.3 0.7% 36.6 4.7% 55.0 0.0% 1.7 6.2% 1.3 1 92 1.7%   * 4th Qtr. 593 1.5% 66.5 1.0% 39.5 3.6% 59.0 3.5% 1.9 11.8% 1.3 0 98 2.3%	Year	2,178	-2.7%	66.6	-0.8%	145.0	-3.5%	251.7	16.6%	5.9	8.9%	5.2	-1	395	3.7%
* 1st Qtr. 542 3.0% 70.5 1.0% 38.2 2.6% 73.0 -8.7% 1.5 6.9% 1.4 5 116 -0.8%   * 2nd Qtr. 553 2.9% 63.9 -2.0% 35.3 -1.0% 57.0 -1.4% 1.4 14.8% 1.3 2 94 0.7%   * 3rd Qtr. 539 3.8% 64.9 -0.5% 34.9 -0.2% 55.0 4.3% 1.6 -3.1% 1.3 1 91 4.0%   * 4th Qtr. 578 2.9% 65.9 -0.5% 38.1 2.7% 57.0 0.8% 1.7 4.4% 1.3 1 96 -1.7%   * Year 2,212 1.5% 66.3 -0.5% 146.5 1.1% 242.0 -3.9% 6.2 5.1% 5.3 9 397 0.4%    2019 ** 1st Qtr. 542 2.6% 69.6 -1.3% 37.7 -1.2% 75.0 2.7% 1.5 0.0% 1.4 -4 109 -6.4%   * 2nd Qtr. 571 2.4% 65.6 2.7% 37.4 5.9% 58.0 1.8% 1.5 7.1% 1.3 5 100 6.4%   * 3rd Qtr. 560 2.1% 65.3 0.7% 36.6 4.7% 55.0 0.0% 1.7 6.2% 1.3 1 92 1.7%   * 4th Qtr. 593 1.5% 66.5 1.0% 39.5 3.6% 59.0 3.5% 1.9 11.8% 1.3 0 98 2.3%	2018														
* 2nd Qtr. 553		542	3.0%	70.5	1.0%	38.2	2.6%	73.0	-8.7%	1.5	6.9%	1.4	5	116	-0.8%
* 3rd Qtr. 539 3.8% 64.9 -0.5% 34.9 -0.2% 55.0 -4.3% 1.6 -3.1% 1.3 1 91 4.0%  * 4th Qtr. 578 2.9% 65.9 -0.5% 38.1 2.7% 57.0 0.8% 1.7 4.4% 1.3 1 96 -1.7%  * Year 2,212 1.5% 66.3 -0.5% 146.5 1.1% 242.0 -3.9% 6.2 5.1% 5.3 9 397 0.4%   2019  * 1st Qtr. 542 2.6% 69.6 -1.3% 37.7 -1.2% 75.0 2.7% 1.5 0.0% 1.4 -4 109 -6.4%  * 2nd Qtr. 571 2.4% 65.6 2.7% 37.4 5.9% 58.0 1.8% 1.5 7.1% 1.3 5 100 6.4%  * 3rd Qtr. 560 2.1% 65.3 0.7% 36.6 4.7% 55.0 0.0% 1.7 6.2% 1.3 1 92 1.7%  * 4th Qtr. 593 1.5% 66.5 1.0% 39.5 3.6% 59.0 3.5% 1.9 11.8% 1.3 0 98 2.3%	* 2nd Qtr.														
* 4th Qtr. 578 2.9% 65.9 -0.5% 38.1 2.7% 57.0 0.8% 1.7 4.4% 1.3 1 96 -1.7%  * Year 2,212 1.5% 66.3 -0.5% 146.5 1.1% 242.0 -3.9% 6.2 5.1% 5.3 9 397 0.4%   2019  * 1st Qtr. 542 2.6% 69.6 -1.3% 37.7 -1.2% 75.0 2.7% 1.5 0.0% 1.4 -4 109 -6.4%  * 2nd Qtr. 571 2.4% 65.6 2.7% 37.4 5.9% 58.0 1.8% 1.5 7.1% 1.3 5 100 6.4%  * 3rd Qtr. 560 2.1% 65.3 0.7% 36.6 4.7% 55.0 0.0% 1.7 6.2% 1.3 1 92 1.7%  * 4th Qtr. 593 1.5% 66.5 1.0% 39.5 3.6% 59.0 3.5% 1.9 11.8% 1.3 0 98 2.3%	-														
* Year	* 4th Qtr.														
* Tst Qtr. 542 2.6% 69.6 -1.3% 37.7 -1.2% 75.0 2.7% 1.5 0.0% 1.4 -4 109 -6.4% * 2nd Qtr. 571 2.4% 65.6 2.7% 37.4 5.9% 58.0 1.8% 1.5 7.1% 1.3 5 100 6.4% * 3rd Qtr. 560 2.1% 65.3 0.7% 36.6 4.7% 55.0 0.0% 1.7 6.2% 1.3 1 92 1.7% * 4th Qtr. 593 1.5% 66.5 1.0% 39.5 3.6% 59.0 3.5% 1.9 11.8% 1.3 0 98 2.3%	* Year														
* Tst Qtr. 542 2.6% 69.6 -1.3% 37.7 -1.2% 75.0 2.7% 1.5 0.0% 1.4 -4 109 -6.4% * 2nd Qtr. 571 2.4% 65.6 2.7% 37.4 5.9% 58.0 1.8% 1.5 7.1% 1.3 5 100 6.4% * 3rd Qtr. 560 2.1% 65.3 0.7% 36.6 4.7% 55.0 0.0% 1.7 6.2% 1.3 1 92 1.7% * 4th Qtr. 593 1.5% 66.5 1.0% 39.5 3.6% 59.0 3.5% 1.9 11.8% 1.3 0 98 2.3%															
* 2nd Qtr. 571 2.4% 65.6 2.7% 37.4 5.9% 58.0 1.8% 1.5 7.1% 1.3 5 100 6.4% * 3rd Qtr. 560 2.1% 65.3 0.7% 36.6 4.7% 55.0 0.0% 1.7 6.2% 1.3 1 92 1.7% * 4th Qtr. 593 1.5% 66.5 1.0% 39.5 3.6% 59.0 3.5% 1.9 11.8% 1.3 0 98 2.3%															
* 3rd Qtr. 560 2.1% 65.3 0.7% 36.6 4.7% 55.0 0.0% 1.7 6.2% 1.3 1 92 1.7% * 4th Qtr. 593 1.5% 66.5 1.0% 39.5 3.6% 59.0 3.5% 1.9 11.8% 1.3 0 98 2.3%															
* 4th Qtr. 593 1.5% 66.5 1.0% 39.5 3.6% 59.0 3.5% 1.9 11.8% 1.3 0 98 2.3%															
·															
1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.	-														
		_,	,	00.0	•,		J,	=		•••	0.070		-		•,

<sup>\*</sup> Estimates

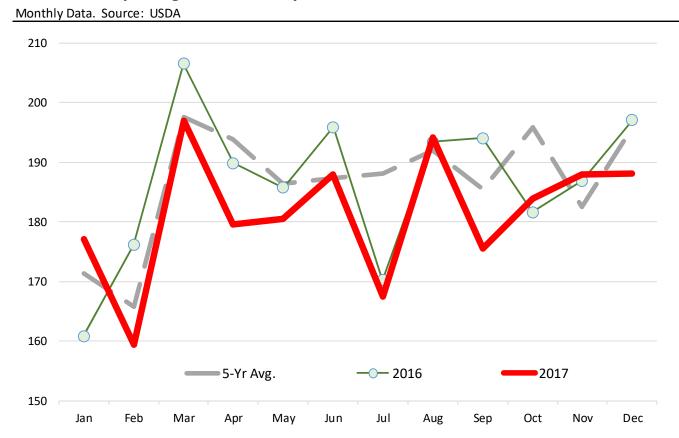
Source: This balance sheet was developed and is maintained by the Livestock Market Information Center

Lamb & Sheep Slaughter. Monthly. '000 Head

	2012	2013	2014	2015	2016	2017	5-Yr Avg.	% ch Yr Ago	% ch 5-Yr Avg.
Jan	164.9	177.4	180.6	167.0	160.8	177.0	171.3	10.1%	3.3%
Feb	165.3	162.3	167.9	164.0	176.1	159.4	165.8	-9.5%	-3.9%
Mar	189.9	197.3	189.8	205.2	206.5	196.9	197.6	-4.6%	-0.4%
Apr	180.9	191.8	221.5	199.3	189.8	179.5	193.8	-5.4%	-7.4%
May	180.0	208.4	194.0	169.4	185.7	180.5	186.3	-2.8%	-3.1%
Jun	168.6	183.6	193.0	194.9	195.9	188.0	187.3	-4.0%	0.4%
Jul	178.4	213.7	210.4	188.0	170.2	167.4	188.0	-1.6%	-11.0%
Aug	200.5	207.9	181.0	175.2	193.4	194.1	192.0	0.4%	1.1%
Sep	174.1	184.8	191.5	192.9	194.0	175.6	185.5	-9.5%	-5.3%
Oct	208.1	208.3	207.4	185.9	181.6	183.9	195.9	1.3%	-6.1%
Nov	182.2	183.9	172.8	181.4	186.9	188.0	182.5	0.6%	3.0%
Dec	190.0	199.3	199.5	200.4	197.0	188.1	195.7	-4.5%	-3.9%

Source: USDA

Lamb & Sheep Slaughter. Monthly. '000 Head

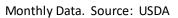


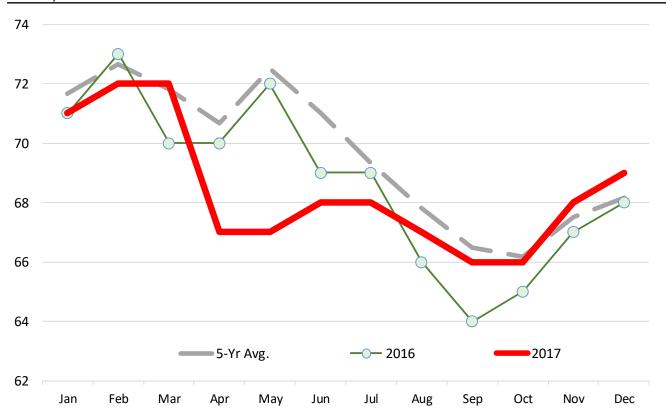
Lamb Yearling Dressed Weights. Monthly. Avg. Pounds per Carcass

	2012	2013	2014	2015	2016	2017	5-Yr Avg.	% ch Yr Ago	% ch 5-Yr Avg.
Jan	75.00	71.00	70.00	72.00	71.00	71.00	71.67	0.0%	-0.9%
Feb	77.00	72.00	70.00	72.00	73.00	72.00	72.67	-1.4%	-0.9%
Mar	76.00	71.00	71.00	71.00	70.00	72.00	71.83	2.9%	0.2%
Apr	74.00	72.00	70.00	71.00	70.00	67.00	70.67	-4.3%	-5.2%
May	79.00	71.00	74.00	72.00	72.00	67.00	72.50	-6.9%	-7.6%
Jun	76.00	71.00	71.00	71.00	69.00	68.00	71.00	-1.4%	-4.2%
Jul	72.00	68.00	68.00	71.00	69.00	68.00	69.33	-1.4%	-1.9%
Aug	72.00	67.00	66.00	69.00	66.00	67.00	67.83	1.5%	-1.2%
Sep	74.00	64.00	65.00	66.00	64.00	66.00	66.50	3.1%	-0.8%
Oct	70.00	64.00	66.00	66.00	65.00	66.00	66.17	1.5%	-0.3%
Nov	70.00	65.00	68.00	67.00	67.00	68.00	67.50	1.5%	0.7%
Dec	69.00	67.00	69.00	67.00	68.00	69.00	68.17	1.5%	1.2%

Source: USDA

# Lamb Yearling Dressed Weights. Monthly. Avg. Pounds per Carcass





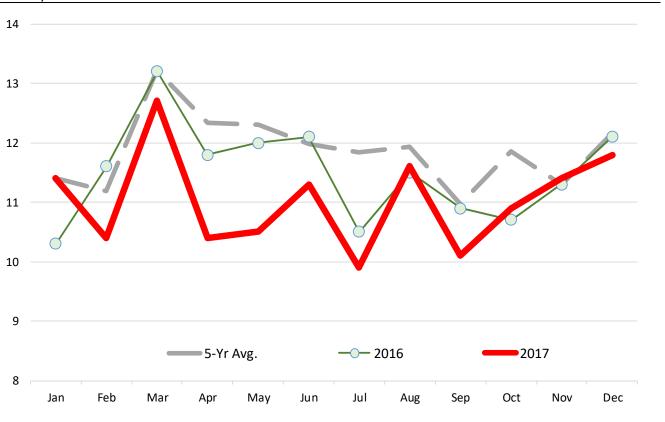
Lamb Yearling Production. Monthly. Carcass Wt. Basis. Million Lb.

	2012	2013	2014	2015	2016	2017	5-Yr Avg.	% ch Yr Ago	% ch 5-Yr Avg.
Jan	11.60	11.70	12.40	11.00	10.30	11.40	11.40	10.7%	0.0%
Feb	11.80	10.90	11.60	10.80	11.60	10.40	11.18	-10.3%	-7.0%
Mar	13.60	13.10	13.20	13.50	13.20	12.70	13.22	-3.8%	-3.9%
Apr	12.20	12.50	14.30	12.80	11.80	10.40	12.33	-11.9%	-15.7%
May	12.90	13.40	13.90	11.10	12.00	10.50	12.30	-12.5%	-14.6%
Jun	11.80	12.00	12.40	12.30	12.10	11.30	11.98	-6.6%	-5.7%
Jul	11.80	13.10	13.90	11.80	10.50	9.90	11.83	-5.7%	-16.3%
Aug	13.40	12.80	11.70	10.60	11.50	11.60	11.93	0.9%	-2.8%
Sep	11.80	10.80	11.20	11.00	10.90	10.10	10.97	-7.3%	-7.9%
Oct	13.30	11.90	13.40	10.90	10.70	10.90	11.85	1.9%	-8.0%
Nov	11.60	11.10	11.50	10.90	11.30	11.40	11.30	0.9%	0.9%
Dec	11.90	12.30	12.60	12.30	12.10	11.80	12.17	-2.5%	-3.0%

Source: USDA

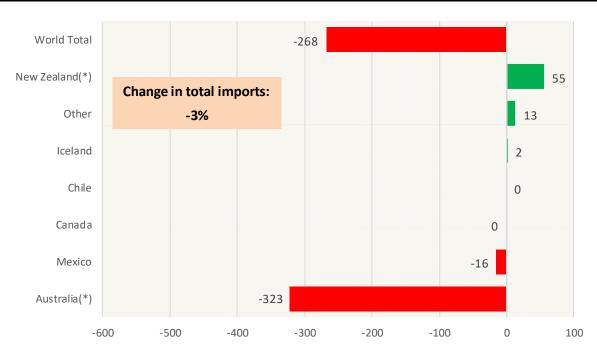
### Lamb Yearling Production. Monthly. Carcass Wt. Basis. Million Lb.

Monthly Data. Source: USDA

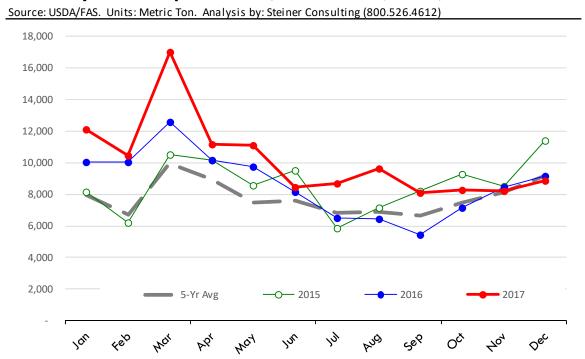


### Y/Y Ch. in Dec. 17 vs. Dec 16 US Mutton, Goat, Lamb Imports

Source: USDA/FAS Units: Metric Tons



# Quantity of US Imports of Fr/Frz Mutton, Goat, Lamb: World Total

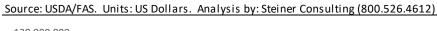


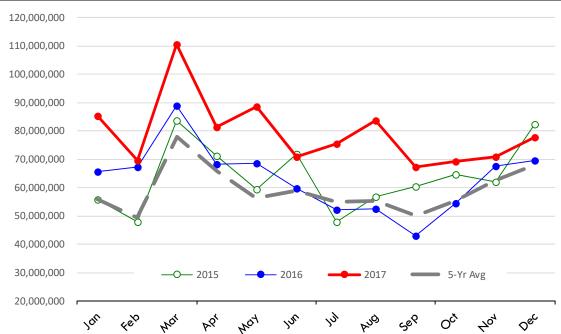
Y/Y Ch. in Dec. 17 vs. Dec 16 US Mutton, Goat, Lamb Import Value (\$)

Source: USDA/FAS Units: US Dollars



### \$ Value of US Imports of Fr/Frz Mutton, Goat, Lamb: World Total

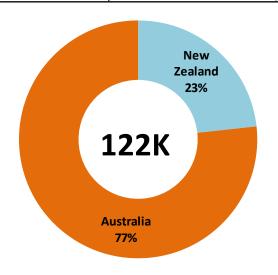


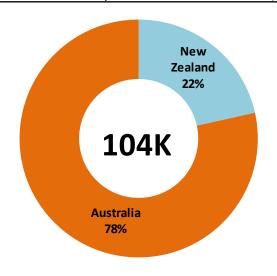


#### TOP US LAMB IMPORT MARKETS IN 2017 TOP US LAMB IMPORT MARKETS IN 2016

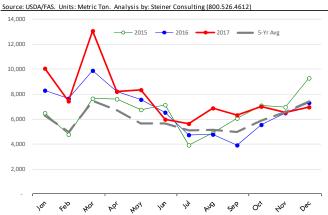
Total Volume and Country Shares for Period Jan - Dec 2017, MT

Total Volume and Country Shares for Period Jan - Dec 2016, MT

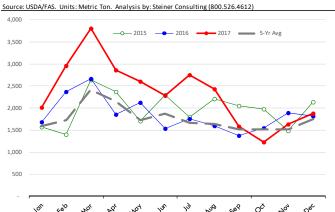




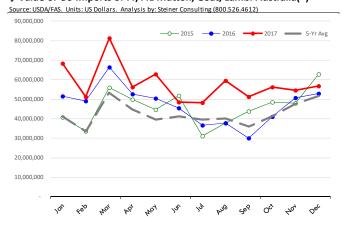
#### Quantity of US Imports of Fr/Frz Mutton, Goat, Lamb: Australia(\*)







#### \$ Value of US Imports of Fr/Frz Mutton, Goat, Lamb: Australia(\*)



#### \$ Value of US Imports of Fr/Frz Mutton, Goat, Lamb: New Zealand(\*)

