

**DOMESTIC DAIRY SEMEN SALES (1)****UNITS OF SEMEN**

<u>BREED</u>	<u>2015</u>	<u>2014</u>	<u>%+/-</u>
HOLSTEIN	19,883,218	19,650,938	1.18%
JERSEY	3,050,136	2,960,434	3.03%
HOLSTEIN-RED CARRIER	302,910	231,157	31.04%
R&W/RED HOLSTEIN	240,740	316,688	-23.98%
BROWN SWISS	103,232	104,754	-1.45%
AYRSHIRE	41,217	40,327	2.21%
GUERNSEY	30,093	30,534	-1.44%
MILKING SHORTHORN	21,951	23,830	-7.89%
DAIRY CROSSBREEDS	6,993	2,973	135.22%
OTHER DAIRY	6,410	5,729	11.89%
TOTAL	<u>23,686,900</u>	<u>23,367,364</u>	<u>1.37%</u>

**DAIRY SEMEN IMPORT SALES (1)****UNITS OF SEMEN**

<u>BREED</u>	<u>2015</u>	<u>2014</u>	<u>%+/-</u>
NORWEGIAN RED	100,616	98,169	2.49%
HOLSTEIN	44,028	92,890	-52.60%
MONTBELIARDE	32,096	29,735	7.94%
SWEDISH RED	26,677	22,861	16.69%
JERSEY	3,764	9,714	-61.25%
MILKING SHORTHORN	2,379	2,654	-10.36%
R&W/RED HOLSTEIN	764	8,966	-91.48%
HOLSTEIN-RED CARRIER	335	4,495	-92.55%
AYRSHIRE	40	380	-89.47%
OTHER DAIRY	92	2,501	-96.32%
TOTAL	<u>210,791</u>	<u>272,365</u>	<u>-22.61%</u>

**CUSTOM FROZEN DAIRY SEMEN (1)****UNITS OF SEMEN**

<u>BREED</u>	<u>2015</u>	<u>2014</u>	<u>%+/-</u>
HOLSTEIN	1,463,620	1,770,507	-17.33%
HOLSTEIN-RED CARRIER	236,296	129,483	82.49%
JERSEY	193,771	373,445	-48.11%
BROWN SWISS	131,189	155,193	-15.47%
AYRSHIRE	19,359	2,006	865.05%
GUERNSEY	12,113	9,398	28.89%
DAIRY CROSSBREEDS	6,985	7,058	-1.03%
MILKING SHORTHORN	6,187	2,370	161.05%
MONTBELIARDE	5,535	8,220	-32.66%
&W/RED HOLSTEIN	2,489	26,113	-90.47%
OTHER DAIRY	500	190	163.16%
TOTAL	<u>2,078,044</u>	<u>2,483,983</u>	<u>-16.34%</u>

**DAIRY SEMEN EXPORT SALES (1)****UNITS OF SEMEN**

<u>BREED</u>	<u>2015</u>	<u>2014</u>	<u>%+/-</u>
HOLSTEIN	16,862,563	17,924,655	-5.93%
JERSEY	1,196,773	1,355,247	-11.69%
R&W/RED HOLSTEIN	257,213	281,916	-8.76%
BROWN SWISS	210,172	215,212	-2.34%
HOLSTEIN-RED CARRIER	112,024	129,764	-13.67%
AYRSHIRE	55,076	89,589	-38.52%
GUERNSEY	9,188	11,780	-22.00%
MILKING SHORTHORN	3,190	5,145	-38.00%
OTHER DAIRY	662	1,351	-51.00%
TOTAL	<u>18,706,861</u>	<u>20,014,659</u>	<u>-6.53%</u>

**DAIRY SEMEN EXPORT SALES (2)****UNITS OF SEMEN**

	<u>2015</u>	<u>2014</u>	<u>%+/-</u>
WORLD TOTAL	<u>18,919,791</u>	<u>19,677,211</u>	<u>-3.85%</u>

**DAIRY SEMEN EXPORT SALES (2)****DOLLAR VALUE**

	<u>2015</u>	<u>2014</u>	<u>%+/-</u>
WORLD TOTAL	<u>\$157,173,466</u>	<u>\$160,335,016</u>	<u>-1.97%</u>

**DOMESTIC BEEF SEMEN SALES (1)****UNITS OF SEMEN**

<u>BREED</u>	<u>2015</u>	<u>2014</u>	<u>%+/-</u>
ANGUS	1,722,590	1,517,977	13.48%
LIMOUSIN	296,753	153,701	93.07%
SIMMENTAL	261,300	208,243	25.48%
RED ANGUS	147,429	127,429	15.70%
POLLED HEREFORD	90,271	80,901	11.58%
HEREFORD	34,143	28,460	19.97%
GELBVIEH	29,625	12,519	136.64%
CROSSBREEDS	21,183	17,264	22.70%
CHAROLAIS	14,850	16,962	-12.45%
MAINE ANJOU	12,388	11,915	3.97%
BRANGUS	6,151	6,150	0.02%
WAGYU	5,882	2,664	120.80%
BRAHMAN	5,191	6,434	-19.32%
CHIANINA	4,614	3,358	37.40%
SHORTHORN	3,793	4,125	-8.05%
RED BRAHMAN	1,833	748	145.05%
GYR	1,089	3,127	-65.17%
OTHER BEEF (a)	4,587	5,844	-21.51%
TOTAL	<u>2,663,672</u>	<u>2,207,821</u>	<u>20.65%</u>

(a) Other Beef includes: Beefmaster, Belgian Blue, Belted Galloway, Black Hereford, Blonde D'Aquit., Brahmousin, Braunvieh, ChiAngus, Chi-Maine, Devon, Dexter, Dutch Belted, Galloway, Guzerat, Lowline (Loala), Murray Grey, Nellore, Normande, Parthenaise, Piedmontese, Pinzgauer, Red Brangus, Salers, Scotch Highland, Senapol, South Devon, Texas Longhorn, White Park, and Misc. Beef.

**BEEF SEMEN IMPORT SALES (1)****UNITS OF SEMEN**

<u>BREED</u>	<u>2015</u>	<u>2014</u>	<u>%+/-</u>
RED DANE	2,712	3,406	-20.38%
SIMMENTAL-FLECKVIEH	442	672	-34.23%
NORMANDE	105	272	-61.40%
PIEDMONTESE	400	10	3900.00%
MISC BEEF (a)	176	79	122.78%
TOTAL	<u>3,835</u>	<u>4,439</u>	<u>-13.61%</u>

(a) Misc Beef includes: Angus, Beef Friesian, Belgian Blue, Polled Hereford, Limousin, and Texas Longhorn.

**BEEF SEMEN EXPORT SALES (1)****UNITS OF SEMEN**

<u>BREED</u>	<u>2015</u>	<u>2014</u>	<u>%+/-</u>
ANGUS	3,098,797	2,635,218	17.59%
RED ANGUS	301,652	318,293	-5.23%
SIMMENTAL	102,252	74,997	36.34%
BRANGUS	82,146	68,223	20.41%
POLLED HEREFORD	80,402	76,914	4.53%
BRAHMAN	58,009	49,791	16.50%
BRAHMAN (RED)	41,382	58,152	-28.84%
CHAROLAIS	28,444	49,324	-42.33%
BRANGUS (RED)	21,580	20,545	5.04%
LIMOUSIN	6,964	6,702	3.91%
GYR	6,819	10,398	-34.42%
HORNED HEREFORD	3,391	2,831	19.78%
WAGYU	1,846	450	310.22%
OTHER BEEF (b)	2,003	9,317	-78.50%
TOTAL	<u><u>3,835,687</u></u>	<u><u>3,381,155</u></u>	<u><u>13.44%</u></u>

(b) Other Beef includes: Beefmaster, Belgian Blue, Braunvieh, Chianina, Chi-Maine, Crossbreed, Galloway, Gelbvieh, Guzaret, Lowline (Loala), Maine-Anjou, Nellore, Normande, Piedmontese, Polled Shorthorn, Red Poll, Santa Gertrudis, Scotch Highland, Scotch Shorthorn, Senapol, Wagyu and Misc. Beef.

**BEEF SEMEN EXPORT SALES (2)****UNITS OF SEMEN**

	<u>2015</u>	<u>2014</u>	<u>%+/-</u>
WORLD TOTAL	<u><u>3,829,205</u></u>	<u><u>3,375,051</u></u>	<u><u>13.46%</u></u>

**BEEF SEMEN EXPORT SALES (2)****DOLLAR VALUE**

	<u>2015</u>	<u>2014</u>	<u>%+/-</u>
WORLD TOTAL	<u><u>\$13,229,448</u></u>	<u><u>\$12,793,415</u></u>	<u><u>3.41%</u></u>

**CUSTOM FROZEN BEEF SEMEN (1)**

**UNITS OF SEMEN**

<u>BREED</u>	<u>2015</u>	<u>2014</u>	<u>%+/-</u>
ANGUS	1,368,162	1,077,954	26.92%
CROSSBREEDS	194,897	190,688	2.21%
SIMMENTAL	188,836	178,035	6.07%
LIMOUSIN	186,346	145,405	28.16%
RED ANGUS	161,432	138,853	16.26%
POLLED HEREFORD	104,038	105,435	-1.32%
CHAROLAIS	96,348	102,240	-5.76%
WAGYU	83,672	77,313	8.23%
MAINE ANJOU	71,149	126,205	-43.62%
HEREFORD	68,385	56,740	20.52%
BEEFMASTER	60,942	49,857	22.23%
GELBVIEWH	55,308	66,205	-16.46%
DUTCH BELTED	52,465	43,335	21.07%
BRAHMAN	42,906	55,737	-23.02%
BRANGUS	33,620	38,368	-12.37%
SHORTHORN	31,097	26,340	18.06%
AMERICAN BUCKING BULL	26,983	32,516	-17.02%
CHI-MAINE	20,313	10,663	90.50%
CHIANINA	17,611	28,422	-38.04%
TEXAS LONGHORN	16,935	12,009	41.02%
LOWLINE (LOALA)	16,019	15,190	5.46%
BRAFORD	9,906	3,648	171.55%
SANTA GERTRUDIS	9,054	8,815	2.71%
SIMBRAH	9,038	14,155	-36.15%
SHORTHORN (SCOTCH)	8,554	17,877	-52.15%
SOUTH DEVON	7,461	1,436	419.57%
AMERIFAX	7,347	0	0.00%
SALERS	5,958	7,975	-25.29%
BRAUNVIEWH	4,980	1,328	275.00%
BLACK HEREFORD	3,821	2,548	49.96%
RED BRANGUS	3,808	5,318	-28.39%
SENAPOL	3,643	14,816	-75.41%
RED POLL	3,408	2,709	25.80%
IRISH BLACK	3,039	330	820.91%
PIEDMONT	3,025	2,410	25.52%
MURRAY GREY	2,828	1,120	152.50%
LLOWAY (BELTED)	2,472	2,412	2.49%
BRAHMAN (RED)	2,146	9,406	-77.18%
OTHER BEEF (c)	63,717	30,530	108.70%
<b>TOTAL</b>	<b>3,051,669</b>	<b>2,704,343</b>	<b>12.84%</b>

(c) Other Beef includes: American Breed, Ankole Watusi, Barzona, Beef Friesian, Beefalo, Belgian Blue, Bonsmara, Brahmousin, Braunvieh, British White, Buelingo, Chi-Angus, Corriente, Devon, Dexter, Galloway, Gyr, Indu-Brazil, Mashona, Pinzgauer, Romagnola, Scotch Highland, Tarentaise, Tuli, White Park and Misc. Beef.

(1) Based on Quarterly Reports of Semen Sold and Custom Frozen

(2) Based on Quarterly Survey of Semen Sold for Export