

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

<u>BREED</u>	<u>2013</u>	<u>2012</u>	<u>%+/-</u>
HOLSTEIN	19,561,599	19,965,250	-2.02%
JERSEY	2,747,482	2,478,636	10.85%
R&W/RED HOLSTEIN	290,478	274,477	5.83%
HOLSTEIN-RED CARRIER	111,572	86,097	29.59%
BROWN SWISS	108,071	111,877	-3.40%
AYRSHIRE	35,722	39,595	-9.78%
GUERNSEY	29,865	30,784	-2.99%
MILKING SHORTHORN	24,846	26,430	-5.99%
AMERICAN LINEBACK	6,608	6,464	2.23%
DAIRY CROSSBREEDS	2,236	2,446	-8.59%
OTHER DAIRY	937	1,742	-46.21%
TOTAL	<u>22,919,416</u>	<u>23,023,798</u>	<u>-0.45%</u>

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

<u>BREED</u>	<u>2013</u>	<u>2012</u>	<u>%+/-</u>
HOLSTEIN	80,224	143,694	-44.17%
NORWEGIAN RED	77,262	59,333	30.22%
JERSEY	28,206	54,219	-47.98%
SWEDISH RED	24,945	33,744	-26.08%
DAIRY CROSSBREEDS	20,133	17,272	16.56%
MONTBELLARDE	18,988	24,246	-21.69%
HOLSTEIN-RED CARRIER	6,981	1,533	355.38%
R&W/RED HOLSTEIN	6,708	11,173	-39.96%
AYRSHIRE	585	2,490	-76.51%
OTHER DAIRY	340	1,447	-76.50%
TOTAL	<u>264,372</u>	<u>349,151</u>	<u>-24.28%</u>

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

<u>BREED</u>	<u>2013</u>	<u>2012</u>	<u>%+/-</u>
HOLSTEIN	2,083,844	2,287,065	-8.89%
JERSEY	301,341	289,787	3.99%
BROWN SWISS	162,316	168,011	-3.39%
GUERNSEY	14,279	6,663	114.30%
R&W/RED HOLSTEIN	11,805	8,859	33.25%
DAIRY CROSSBREEDS	7,805	7,953	-1.86%
AYRSHIRE	2,897	3,746	-22.66%
HOLSTEIN-RED CARRIER	2,320	2,135	8.67%
MILKING SHORTHORN	1,944	4,799	-59.49%
OTHER DAIRY	3,938	11,056	-64.38%
TOTAL	<u>2,592,489</u>	<u>2,790,074</u>	<u>-7.08%</u>

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

<u>BREED</u>	<u>2013</u>	<u>2012</u>	<u>%+/-</u>
HOLSTEIN	15,473,157	14,515,158	6.60%
JERSEY	1,254,404	1,267,697	-1.05%
R&W/RED HOLSTEIN	421,728	321,723	31.08%
BROWN SWISS	207,499	267,763	-22.51%
HOLSTEIN-RED CARRIER	136,919	110,947	23.41%
AYRSHIRE	78,820	83,383	-5.47%
GUERNSEY	13,173	11,066	19.04%
MILKING SHORTHORN	5,437	4,789	13.53%
OTHER DAIRY	284	268	5.97%
TOTAL	<u>17,591,421</u>	<u>16,582,794</u>	<u>6.08%</u>

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

	<u>2013</u>	<u>2012</u>	<u>%+/-</u>
WORLD TOTAL	<u>17,815,500</u>	<u>16,658,508</u>	<u>6.95%</u>

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

	<u>2013</u>	<u>2012</u>	<u>%+/-</u>
WORLD TOTAL	<u>\$143,049,588</u>	<u>\$131,605,217</u>	<u>8.70%</u>

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

<u>BREED</u>	<u>2013</u>	<u>2012</u>	<u>%+/-</u>
ANGUS	1,322,793	1,237,969	6.85%
SIMMENTAL	156,869	140,554	11.61%
RED ANGUS	96,045	100,413	-4.35%
POLLED HEREFORD	69,108	64,884	6.51%
LIMOUSIN	63,102	12,386	409.46%
CROSSBREEDS	22,853	15,907	43.67%
HEREFORD	19,099	17,657	8.17%
CHAROLAIS	16,050	16,634	-3.51%
MAINE ANJOU	11,329	10,711	5.77%
BRAHMAN	7,645	8,991	-14.97%
GELBVIEH	6,160	21,278	-71.05%
SHORTHORN	4,521	4,396	2.84%
GYR	2,729	1,049	160.15%
BRANGUS	2,610	3,259	-19.91%
WAGYU	2,042	2,680	-23.81%
CHIANINA	1,714	2,593	-33.90%
OTHER BEEF (a)	6,464	8,290	-22.03%
TOTAL	<u>1,811,133</u>	<u>1,669,651</u>	<u>8.47%</u>

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

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

<u>BREED</u>	<u>2013</u>	<u>2012</u>	<u>%+/-</u>
RED DANE	2,225	1,547	43.83%
SIMMENTAL-FLECKVIEH	1,387	1,088	27.48%
PIEDMONTESE	520	206	152.43%
NORMANDE	255	0	0.00%
BELGIAN BLUE	134	68	97.06%
BRAHMAN	60	0	0.00%
ANGUS	49	76	-35.53%
MISC BEEF	978	447	118.79%
TOTAL	<u>5,608</u>	<u>3,432</u>	<u>63.40%</u>

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

<u>BREED</u>	<u>2013</u>	<u>2012</u>	<u>%+/-</u>
ANGUS	2,059,988	2,007,347	2.62%
RED ANGUS	323,789	298,153	8.60%
BRANGUS	73,864	61,893	19.34%
POLLED HEREFORD	73,569	97,881	-24.84%
SIMMENTAL	64,619	47,106	37.18%
BRAHMAN	47,038	45,053	4.41%
CHAROLAIS	42,599	33,882	25.73%
BRAHMAN (RED)	30,537	27,938	9.30%
BRANGUS (RED)	22,603	32,598	-30.66%
GYR	10,120	8,474	19.42%
LIMOUSIN	5,733	11,152	-48.59%
SENAPOL	5,004	14,751	-66.08%
HORNED HEREFORD	2,770	2,108	31.40%
BELGIAN BLUE	1,670	660	153.03%
SHORTHORN	833	3,010	-72.33%
OTHER BEEF (b)	2,973	3,102	-4.16%
TOTAL	<u>2,767,709</u>	<u>2,695,108</u>	<u>2.69%</u>

(b) Other Beef includes: Beef Friesian, Beefmaster, Brahmental-Simbrah, Braunvieh, Chianina, Chi-Maine, Crossbreed, Dexter, Galloway, Gelbvieh, Guzaret, Lowline (Loala), Maine-Anjou, Nellore, Normande, Piedmont, Santa Gertrudis, Scotch Highland, Scotch Shorthorn and Wagyu.

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

	<u>2013</u>	<u>2012</u>	<u>%+/-</u>
WORLD TOTAL	<u>2,766,825</u>	<u>2,700,152</u>	<u>2.47%</u>

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

	<u>2013</u>	<u>2012</u>	<u>%+/-</u>
WORLD TOTAL	<u>\$11,062,549</u>	<u>\$10,804,175</u>	<u>2.39%</u>

CUSTOM FROZEN BEEF SEMEN (1)

UNITS OF SEMEN

BREED	2013	2012	%+/-
ANGUS	919,181	1,049,269	-12.40%
CROSSBREEDS	215,104	257,103	-16.34%
SIMMENTAL	199,500	208,744	-4.43%
LIMOUSIN	166,776	158,798	5.02%
MAINE ANJOU	152,889	115,443	32.44%
RED ANGUS	111,689	150,004	-25.54%
POLLED HEREFORD	103,441	110,215	-6.15%
CHAROLAIS	73,830	108,597	-32.01%
BRANGUS	64,473	83,414	-22.71%
GELBVIEH	59,931	64,518	-7.11%
HEREFORD	55,233	80,129	-31.07%
WAGYU	52,163	38,129	36.81%
AMERIFAX	51,623	765	6648.10%
BEEFMASTER	51,572	52,934	-2.57%
SENAPOL	30,538	43,676	-30.08%
SHORTHORN	29,437	22,612	30.18%
AMERICAN BUCKING BULL	29,370	41,865	-29.85%
BRAHMAN	25,245	47,129	-46.43%
TEXAS LONGHORN	16,719	12,424	34.57%
SHORTHORN (SCOTCH)	16,631	22,883	-27.32%
LOWLINE (LOALA)	13,165	30,315	-56.57%
CHIANINA	12,930	7,209	79.36%
RED BRANGUS	8,421	17,658	-52.31%
CHI-MAINE	7,458	2,987	149.68%
SANTA GERTRUDIS	7,411	8,004	-7.41%
PIEDMONT	7,317	4,738	54.43%
DEVON	6,945	4,379	58.60%
SALERS	6,292	23,249	-72.94%
CHI-ANGUS	5,631	5,730	-1.73%
DUTCH BELTED	4,411	16,982	-74.03%
BONSMARA	4,389	35	12440.00%
NORMANDE	4,252	5,574	-23.72%
MONTBELIARDE	3,940	0	0.00%
BRAHMAN (RED)	3,748	6,834	-45.16%
GALLOWAY	3,564	2,607	36.71%
SCOTCH HIGHLAND	3,527	1,177	199.66%
BRAUNVIEH	3,353	2,602	28.86%
SIMBRAH	3,068	0	0.00%
SOUTH DEVON	2,691	8,943	-69.91%
OTHER BEEF (c)	22,216	36,084	-38.43%
TOTAL	2,560,074	2,853,758	-10.29%

(c) Other Beef includes: American Breed, Beefalo, Belgian Blue, Belted Galloway, Black Hereford, Braford, Brahmatal/Simbrah, Brahmousin, British White, Corriente, Crossbreed, Dexter, Irish Black, Murray Grey, Pinzgauer, Red Poll, Romagnola, Scotch Highland, 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