

DOMESTIC DAIRY SEMEN SALES (1)

UNITS OF SEMEN

BREED	2012	2011	%+/-
HOLSTEIN	19,965,250	19,826,027	0.70%
JERSEY	2,478,636	2,156,285	14.95%
R&W/RED HOLSTEIN	274,477	250,307	9.66%
BROWN SWISS	111,877	120,833	-7.41%
HOLSTEIN-RED CARRIER	86,097	79,967	7.67%
AYRSHIRE	39,595	42,709	-7.29%
GUERNSEY	30,784	31,068	-0.91%
MILKING SHORTHORN	26,430	26,946	-1.91%
OTHER DAIRY	10,652	10,405	2.37%
TOTAL	<u>23,023,798</u>	<u>22,544,547</u>	<u>2.13%</u>

DAIRY SEMEN IMPORT SALES (1)

UNITS OF SEMEN

BREED	2012	2011	%+/-
HOLSTEIN	143,694	142,628	0.75%
NORWEGIAN RED	59,333	40,375	46.95%
JERSEY	54,219	70,816	-23.44%
SWEDISH RED	33,744	35,055	-3.74%
MONTBELIARDE	24,246	24,094	0.63%
R&W/RED HOLSTEIN	11,173	18,526	-39.69%
AYRSHIRE	2,490	1,725	44.35%
HOLSTEIN-RED CARRIER	1,533	3,261	-52.99%
BROWN SWISS	193	1,559	-87.62%
OTHER DAIRY	18,526	14,772	25.41%
TOTAL	<u>349,151</u>	<u>352,811</u>	<u>-1.04%</u>

CUSTOM FROZEN DAIRY SEMEN (1)

UNITS OF SEMEN

BREED	2012	2011	%+/-
HOLSTEIN	2,287,065	2,300,413	-0.58%
JERSEY	289,787	174,124	66.43%
BROWN SWISS	168,011	242,921	-30.84%
R&W/RED HOLSTEIN	8,859	161,320	-94.51%
GUERNSEY	6,663	10,476	-36.40%
MILKING SHORTHORN	4,799	5,191	-7.55%
AYRSHIRE	3,746	3,303	13.41%
OTHER DAIRY	13,191	12,389	6.47%
TOTAL	<u>2,782,121</u>	<u>2,910,137</u>	<u>-4.40%</u>

DAIRY SEMEN EXPORT SALES (1)

UNITS OF SEMEN

BREED	2012	2011	%+/-
HOLSTEIN	14,515,158	13,882,848	4.55%
JERSEY	1,267,697	1,139,624	11.24%
R&W/RED HOLSTEIN	321,723	240,054	34.02%
BROWN SWISS	267,763	250,807	6.76%
HOLSTEIN-RED CARRIER	110,947	96,568	14.89%
AYRSHIRE	83,383	72,958	14.29%
GUERNSEY	11,066	12,506	-11.51%
MILKING SHORTHORN	4,789	5,506	-13.02%
OTHER DAIRY	268	642	-58.26%
TOTAL	<u>16,582,794</u>	<u>15,701,513</u>	<u>5.61%</u>

DAIRY SEMEN EXPORT SALES (2)

UNITS OF SEMEN

	2012	2011	%+/-
WORLD TOTAL	<u>16,658,508</u>	<u>15,539,478</u>	<u>7.20%</u>

DAIRY SEMEN EXPORT SALES (2)

DOLLAR VALUE

	2012	2011	%+/-
WORLD TOTAL	<u>\$131,605,217</u>	<u>\$124,021,998</u>	<u>6.11%</u>

IV42

DOMESTIC BEEF SEMEN SALES (1)
UNITS OF SEMEN

BREED	2012	2011	%+/-
ANGUS	1,237,969	1,036,701	19.41%
SIMMENTAL	140,554	118,034	19.08%
RED ANGUS	100,413	83,755	19.89%
POLLED HEREFORD	64,884	60,674	6.94%
GELBVIEWH	21,278	7,262	193.00%
HEREFORD	17,657	20,041	-11.90%
CHAROLAIS	16,634	14,813	12.29%
LIMOUSIN	12,386	1,553	697.55%
MAINE ANJOU	10,711	6,833	56.75%
BRAHMAN	8,991	5,722	57.13%
SHORTHORN	4,396	4,698	-6.43%
BRANGUS	3,259	2,794	16.64%
WAGYU	2,680	626	328.12%
CHIANINA	2,593	3,679	-29.52%
BRAHMAN (RED)	2,027	536	278.17%
CHI-MAINE	1,748	2,827	-38.17%
NORMANDE	1,414	1,237	14.31%
OTHER BEEF (a)	20,057	27,099	-25.99%
TOTAL	<u>1,669,651</u>	<u>1,398,884</u>	<u>19.36%</u>

(a) Other Beef includes: American Bucking Bull, Beefmaster, Belgian Blue, Black Hereford, Blonde D'Aquit., Brahmousin, Braunvieh, British White, ChiAngus, Corriente, Crossbreed, Devon, Dutch Belted, Galloway, Guzaret, Gyr, Indu-Brazil, Longhorn, Lowline (Loala), Murray Grey, Nellore, Parthenaise, Piedmont, Pinzgauer, Red Brangus, Red Dane, Red Poll, Salers, Scotch Highland, Scotch Shorthorn, Senapol, South Devon, Tarantaise, White Park, and Misc. Beef.

BEEF SEMEN IMPORT SALES (1)
UNITS OF SEMEN

BREED	2012	2011	%+/-
RED DANE	1,547	243	536.63%
SIMMENTAL-FLECKVIEH	1,088	0	0.00%
SWEDISH RED	349	764	-54.32%
PIEDMONT	206	294	-29.93%
ANGUS	76	590	-87.12%
BELGIAN BLUE	68	376	-81.91%
MISC BEEF/CROSSBREED	98	25	292.00%
TOTAL	<u>3,432</u>	<u>2,292</u>	<u>49.74%</u>

BEEF SEMEN EXPORT SALES (1)

UNITS OF SEMEN

BREED	2012	2011	%+/-
ANGUS	2,007,347	1,647,667	21.83%
RED ANGUS	298,153	338,161	-11.83%
POLLED HEREFORD	97,881	70,048	39.73%
BRANGUS	61,893	53,966	14.69%
SIMMENTAL	47,106	38,779	21.47%
BRAHMAN	45,053	46,580	-3.28%
CHAROLAIS	33,882	38,009	-10.86%
BRANGUS (RED)	32,598	7,761	320.02%
BRAHMAN (RED)	27,938	161,309	-82.68%
SENAPOL	14,751	3,443	328.43%
LIMOUSIN	11,152	4,073	173.80%
GYR	8,474	9,793	-13.47%
SHORTHORN	3,010	1,329	126.49%
HORNED HEREFORD	2,108	6,509	-67.61%
OTHER BEEF (b)	3,762	3,630	3.64%
TOTAL	<u>2,695,108</u>	<u>2,431,057</u>	<u>10.86%</u>

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

BEEF SEMEN EXPORT SALES (2)

UNITS OF SEMEN

	2012	2011	%+/-
WORLD TOTAL	<u>2,700,152</u>	<u>2,431,337</u>	<u>11.06%</u>

BEEF SEMEN EXPORT SALES (2)

DOLLAR VALUE

	2012	2011	%+/-
WORLD TOTAL	<u>\$10,804,175</u>	<u>\$9,399,616</u>	<u>14.94%</u>

CUSTOM FROZEN BEEF SEMEN (1)

UNITS OF SEMEN

BREED	2012	2011	%+/-
ANGUS	1,049,269	771,170	36.06%
SIMMENTAL	208,744	171,256	21.89%
LIMOUSIN	158,798	78,668	101.86%
RED ANGUS	150,004	141,147	6.28%
MAINE ANJOU	115,443	105,271	9.66%
POLLED HEREFORD	110,215	91,625	20.29%
CHAROLAIS	108,597	86,433	25.64%
BRANGUS	83,414	57,600	44.82%
HEREFORD	80,129	80,709	-0.72%
GELBVIEWH	64,518	36,775	75.44%
BEEFMASTER	52,934	59,876	-11.59%
BRAHMAN	47,129	64,161	-26.55%
SENAPOL	43,676	60,127	-27.36%
AMERICAN BUCKING BULL	41,865	41,422	1.07%
WAGYU	38,129	36,798	3.62%
LOWLINE (LOALA)	30,315	40,309	-24.79%
SALERS	23,249	11,730	98.20%
SHORTHORN (SCOTCH)	22,883	23,562	-2.88%
SHORTHORN	22,612	13,675	65.35%
RED BRANGUS	17,658	25,630	-31.10%
DUTCH BELTED	16,982	15,744	7.86%
TEXAS LONGHORN	12,424	10,751	15.56%
SOUTH DEVON	8,943	2,752	224.96%
SANTA GERTRUDIS	8,004	12,851	-37.72%
CHIANINA	7,209	5,474	31.70%
BRAHMAN (RED)	6,834	6,249	9.36%
BRITISH WHITE	5,981	4,711	26.96%
CHI-ANGUS	5,730	3,283	74.54%
NORMANDE	5,574	158	3427.85%
PIEDMONT	4,738	1,561	203.52%
DEVON	4,379	1,326	230.24%
AMERICAN BREED	4,355	0	0.00%
CHI-MAINE	2,987	8,273	-63.89%
MURRAY GREY	2,950	82	3497.56%
BRAHMENTAL/SIMBRAH	2,937	2,845	3.23%
GALLOWAY	2,607	966	169.88%
BRAUNVIEH	2,602	5,142	-49.40%
DEXTER	2,134	1,149	85.73%
OTHER BEEF (c)	276,807	312,961	-11.55%
TOTAL	<u>2,853,758</u>	<u>2,394,222</u>	<u>19.19%</u>

(c) Other Beef includes: Amerifax, Ankina, Beef Friesian, Belgian Blue, Belted Galloway, Black Hereford, Blonde D'Aquit., Bonsmara, Braford, Buelingo, Corriente, Crossbreed, Guzaret, Gyr, Irish Black, Marchigiana, Pinzgauer, Romagnola, Scotch Highland, Tarantaise, Tuli, White Park, Yak and Misc. Beef.

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

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