

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

BREED	2010	2009	%+/-
HOLSTEIN	19,188,460	17,714,898	8.32%
JERSEY	1,940,795	1,547,755	25.39%
R&W/RED HOLSTEIN	223,413	274,644	-18.65%
BROWN SWISS	119,119	138,706	-14.12%
HOLSTEIN-RED CARRIER	59,131	66,524	-11.11%
AYRSHIRE	52,462	46,519	12.78%
GUERNSEY	33,870	34,063	-0.57%
MILKING SHORTHORN	25,879	25,639	0.94%
OTHER DAIRY	12,279	21,157	-41.96%
TOTAL	21,655,408	19,869,905	8.99%

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

BREED	2010	2009	%+/-
HOLSTEIN	54,874	97,175	-43.53%
JERSEY	45,202	48,272	-6.36%
SWEDISH RED	37,024	41,409	-10.59%
MONTBELIARDE	34,988	57,620	-39.28%
NORWEGIAN RED	19,450	0	0.00%
R&W/RED HOLSTEIN	17,404	14,416	20.73%
BROWN SWISS	6,043	4,683	29.04%
HOLSTEIN-RED CARRIER	4,466	4,088	9.25%
AYRSHIRE	1,767	6,024	-70.67%
OTHER DAIRY	5,845	4,850	20.52%
TOTAL	227,063	278,537	-18.48%

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

BREED	2010	2009	%+/-
HOLSTEIN	1,961,017	2,179,550	-10.03%
JERSEY	348,078	325,589	6.91%
BROWN SWISS	136,644	171,804	-20.47%
R&W/RED HOLSTEIN	90,831	54,136	67.78%
GUERNSEY	21,781	3,922	455.35%
AYRSHIRE	13,630	10,708	27.29%
MILKING SHORTHORN	2,539	4,472	-43.22%
OTHER DAIRY	9,772	6,675	46.40%
TOTAL	2,584,292	2,756,856	-6.26%

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

BREED	2010	2009	%+/-
HOLSTEIN	13,064,318	11,367,210	14.93%
JERSEY	1,131,909	898,888	25.92%
BROWN SWISS	275,428	265,717	3.65%
R&W/RED HOLSTEIN	228,175	316,557	-27.92%
AYRSHIRE	70,956	35,718	98.66%
HOLSTEIN-RED CARRIER	30,531	29,549	3.32%
GUERNSEY	8,903	12,289	-27.55%
MILKING SHORTHORN	6,557	4,220	55.38%
SWEDISH RED	2,937	4,414	-33.46%
OTHER DAIRY	590	230	156.52%
TOTAL	<u>14,820,304</u>	<u>12,934,792</u>	<u>14.58%</u>

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

	2010	2009	%+/-
WORLD TOTAL	<u>14,924,802</u>	<u>12,983,801</u>	<u>14.95%</u>

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

	2010	2009	%+/-
WORLD TOTAL	<u>\$117,260,668</u>	<u>\$98,021,433</u>	<u>19.63%</u>

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

BREED	2010	2009	%+/-
ANGUS	903,601	903,450	0.02%
SIMMENTAL	108,291	102,260	5.90%
RED ANGUS	79,642	69,622	14.39%
POLLED HEREFORD	52,892	47,259	11.92%
CHAROLAIS	14,809	14,111	4.95%
HEREFORD	12,636	8,446	49.61%
MAINE ANJOU	6,453	7,196	-10.33%
BRAHMAN	6,341	6,886	-7.91%
SHORTHORN	4,899	3,092	58.44%
GELBVIEH	4,669	4,547	2.68%
CHI-MAINE	3,729	6,563	-43.18%
CHIANINA	3,454	4,112	-16.00%
BRANGUS	2,664	13,070	-79.62%
BRAUNVIEH	2,048	537	281.38%
LIMOUSIN	1,488	2,249	-33.84%
OTHER BEEF (a)	22,182	10,455	112.17%
TOTAL	1,229,798	1,203,855	2.15%

(a) Other Beef includes: American Bucking Bull, Barzona, Beef Friesian, Beefmaster, Belgian Blue, Blonde D'Aquit., Braford, Brahmatal-Simbrah, Brahmousin, British White, ChiAngus, Corriente, Devon, Dexter, Dutch Belted, Guzaret, Gyr, Longhorn, Lowline (Loala), Nellore, Normande, Parthenaise, Piedmont, Pinzgauer, Red Brahman, Red Brangus, Red Poll, Romagnola, Salers, Santa Gertrudis, Scotch Highland, Senapol, Scotch Shorthorn, South Devon, Tarantaise, Wagyu, White Park, and Misc. Beef.

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

BREED	2010	2009	%+/-
RED DANE	1,346	2,078	-35.23%
ANGUS	996	341	192.08%
BRAHMAN	221	20	1005.00%
PIEDMONT	213	3	7000.00%
BELGIAN BLUE	60	47	27.66%
HEREFORD	52	55	-5.45%
ANGUS (RED)	20	100	-80.00%
LONGHORN	10	35	-71.43%
BLOND D'AQUIT.	0	10	0.00%
CROSSBREED	22	0	0.00%
TOTAL	2,940	2,689	9.33%

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

BREED	2010	2009	%+/-
ANGUS	986,712	759,313	29.95%
RED ANGUS	249,502	254,107	-1.81%
BRAHMAN (RED)	122,609	13,542	805.40%
SIMMENTAL	74,182	47,964	54.66%
POLLED HEREFORD	59,845	50,293	18.99%
BRAHMAN	59,612	88,220	-32.43%
BRANGUS	52,779	34,525	52.87%
CHAROLAIS	25,810	27,730	-6.92%
GYR	7,283	6,440	13.09%
BRANGUS (RED)	6,468	1,715	277.14%
LIMOUSIN	5,077	24,336	-79.14%
SANTA GERTRUDIS	4,670	80	5737.50%
SENAPOL	4,360	7,651	-43.01%
SHORTHORN	2,227	375	493.87%
HORNED HEREFORD	1,730	520	232.69%
NELLORE	1,507	200	653.50%
OTHER BEEF (b)	5,313	9,737	-45.43%
TOTAL	1,669,686	1,326,748	25.85%

(b) Other Beef includes: Beefmaster, Belgian Blue, Brahmental-Simbrah, Braunvieh, Chianina, Chi-Maine, Crossbreed, Dexter, Dutch-Belted, Gelbvieh, Guzaret, Longhorn, Maine-Anjou, Normande, Parthenaise, Piedmont, Red Poll, Scotch Highland, Wagyu, Yak, and Misc. Beef.

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

	2010	2009	%+/-
WORLD TOTAL	1,670,556	1,319,389	26.62%

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

	2010	2009	%+/-
WORLD TOTAL	\$6,674,982	\$4,696,132	42.14%

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

BREED	2010	2009	%+/-
ANGUS	895,061	796,998	12.30%
SIMMENTAL	143,714	153,254	-6.22%
RED ANGUS	130,990	181,819	-27.96%
BRANGUS	88,852	83,554	6.34%
SENAPOLE	87,231	37,849	130.47%
MAINE ANJOU	83,226	112,839	-26.24%
BRAHMAN	74,447	123,580	-39.76%
POLLED HEREFORD	74,254	76,596	-3.06%
HEREFORD	71,203	59,090	20.50%
AMERICAN BUCKING BULL	66,748	76,881	-13.18%
BEEFMASTER	55,205	46,059	19.86%
CHAROLAIS	51,615	61,749	-16.41%
GELBVIEWH	43,303	38,322	13.00%
LIMOUSIN	43,232	52,485	-17.63%
WAGYU	35,670	214,742	-83.39%
BRAHMAN (RED)	30,324	19,476	55.70%
SHORTHORN (SCOTCH)	24,576	34,933	-29.65%
RED BRANGUS	22,865	33,228	-31.19%
SHORTHORN	17,805	35,001	-49.13%
CHI-MAINE	16,371	53,602	-69.46%
DUTCH BELTED	15,650	3,786	313.37%
CHIANINA	15,548	16,087	-3.35%
TEXAS LONGHORN	13,114	18,010	-27.18%
LOWLINE (LOALA)	11,507	16,306	-29.43%
BRAHMENTAL/SIMBRAH	9,792	12,207	-19.78%
BRAUNVIEWH	9,283	10,629	-12.66%
SALERS	9,195	19,638	-53.18%
SANTA GERTRUDIS	5,772	5,444	6.02%
CHI-ANGUS	5,701	4,240	34.46%
SCOTCH HIGHLAND	3,756	1,838	104.35%
DEVON	3,434	832	312.74%
GYR	3,006	0	0.00%
NORMANDE	2,942	3,827	-23.13%
OTHER BEEF (c)	288,966	301,926	-4.29%
TOTAL	2,454,358	2,706,827	-9.33%

(c) Other Beef includes: Barzona, Beef Friesian, Beefalo, Belgian Blue, Belted Galloway, Blonde D'Aquit., Bonsmara, Braford, Brahmousin, Braler, British White, Buelingo, Corriente, Crossbreed, Dexter, Galloway, Murray Grey, Nellore, Piedmont, Pinzgauer, Red Poll, Romagnola, South Devon, Tarantaise, 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