

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

BREED	2011	2010	%+/-
HOLSTEIN	19,826,027	19,188,460	3.32%
JERSEY	2,156,285	1,940,795	11.10%
R&W/RED HOLSTEIN	250,307	223,413	12.04%
BROWN SWISS	120,833	119,119	1.44%
HOLSTEIN-RED CARRIER	79,967	59,131	35.24%
AYRSHIRE	42,709	52,462	-18.59%
GUERNSEY	31,068	33,870	-8.27%
MILKING SHORTHORN	26,946	25,879	4.12%
OTHER DAIRY	10,405	12,279	-15.26%
TOTAL	<u>22,544,547</u>	<u>21,655,408</u>	<u>4.11%</u>

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

BREED	2011	2010	%+/-
HOLSTEIN	142,628	54,874	159.92%
JERSEY	70,816	45,202	56.67%
NORWEGIAN RED	40,375	19,450	107.58%
SWEDISH RED	35,055	37,024	-5.32%
MONTBELIARDE	24,094	34,988	-31.14%
R&W/RED HOLSTEIN	18,526	17,404	6.45%
HOLSTEIN-RED CARRIER	3,261	4,466	-26.98%
AYRSHIRE	1,725	1,767	-2.38%
BROWN SWISS	1,559	6,043	-74.20%
OTHER DAIRY	14,772	5,845	152.73%
TOTAL	<u>352,811</u>	<u>227,063</u>	<u>55.38%</u>

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

BREED	2011	2010	%+/-
HOLSTEIN	2,300,413	1,961,017	17.31%
BROWN SWISS	242,921	136,644	77.78%
JERSEY	174,124	348,078	-49.98%
R&W/RED HOLSTEIN	161,320	90,831	77.60%
GUERNSEY	10,476	21,781	-51.90%
MILKING SHORTHORN	5,191	2,539	104.45%
AYRSHIRE	3,303	13,630	-75.77%
OTHER DAIRY	12,389	9,772	26.78%
TOTAL	<u>2,910,137</u>	<u>2,584,292</u>	<u>12.61%</u>

## DAIRY SEMEN EXPORT SALES (1)

UNITS OF SEMEN

BREED	2011	2010	%+/-
HOLSTEIN	13,882,848	13,064,318	6.27%
JERSEY	1,139,624	1,131,909	0.68%
BROWN SWISS	250,807	275,428	-8.94%
R&W/RED HOLSTEIN	240,054	228,175	5.21%
HOLSTEIN-RED CARRIER	96,568	30,531	216.29%
AYRSHIRE	72,958	70,956	2.82%
GUERNSEY	12,506	8,903	40.47%
MILKING SHORTHORN	5,506	6,557	-16.03%
OTHER DAIRY	642	3,527	-81.80%
TOTAL	<u>15,701,513</u>	<u>14,820,304</u>	<u>5.95%</u>

## DAIRY SEMEN EXPORT SALES (2)

UNITS OF SEMEN

	2011	2010	%+/-
WORLD TOTAL	<u>15,539,478</u>	<u>14,924,802</u>	<u>4.12%</u>

## DAIRY SEMEN EXPORT SALES (2)

DOLLAR VALUE

	2011	2010	%+/-
WORLD TOTAL	<u>\$124,021,998</u>	<u>\$117,260,668</u>	<u>5.77%</u>

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

BREED	2011	2010	%+/-
ANGUS	1,036,701	903,601	14.73%
SIMMENTAL	118,034	108,291	9.00%
RED ANGUS	83,755	79,642	5.16%
POLLED HEREFORD	60,674	52,892	14.71%
HEREFORD	20,041	12,636	58.60%
CHAROLAIS	14,813	14,809	0.03%
GELBVIEWH	7,262	4,669	55.54%
MAINE ANJOU	6,833	6,453	5.89%
BRAHMAN	5,722	6,341	-9.76%
SHORTHORN	4,698	4,899	-4.10%
CHIANINA	3,679	3,454	6.51%
BRAUNVIEWH	2,875	2,048	40.38%
CHI-MAINE	2,827	3,729	-24.19%
BRANGUS	2,794	2,664	4.88%
LIMOUSIN	1,553	1,488	4.37%
OTHER BEEF (a)	26,623	22,182	20.02%
TOTAL	<u>1,398,884</u>	<u>1,229,798</u>	<u>13.75%</u>

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

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

BREED	2011	2010	%+/-
SWEDISH RED	764	0	0.00%
ANGUS	590	996	-40.76%
BELGIAN BLUE	376	60	526.67%
PIEDMONT	294	213	38.03%
RED DANE	243	1,346	-81.95%
BRAHMAN	0	221	-100.00%
MISC BEEF/CROSSBREED	25	104	-75.96%
TOTAL	<u>2,292</u>	<u>2,940</u>	<u>-22.04%</u>

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

<u>BREED</u>	<u>2011</u>	<u>2010</u>	<u>%+/-</u>
ANGUS	1,647,667	986,712	66.99%
RED ANGUS	338,161	249,502	35.53%
BRAHMAN (RED)	161,309	122,609	31.56%
POLLED HEREFORD	70,048	59,845	17.05%
BRANGUS	53,966	52,779	2.25%
BRAHMAN	46,580	59,612	-21.86%
SIMMENTAL	38,779	74,182	-47.72%
CHAROLAIS	38,009	25,810	47.26%
GYR	9,793	7,283	34.46%
BRANGUS (RED)	7,761	6,468	19.99%
HORNED HEREFORD	6,509	1,730	276.24%
LIMOUSIN	4,073	5,077	-19.78%
SENAPOL	3,443	4,360	-21.03%
SHORTHORN	1,329	2,227	-40.32%
OTHER BEEF (b)	3,630	11,490	-68.41%
TOTAL	<u>2,431,057</u>	<u>1,669,686</u>	<u>45.60%</u>

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

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

	<u>2011</u>	<u>2010</u>	<u>%+/-</u>
WORLD TOTAL	<u>2,431,337</u>	<u>1,670,556</u>	<u>45.54%</u>

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

	<u>2011</u>	<u>2010</u>	<u>%+/-</u>
WORLD TOTAL	<u>\$9,399,616</u>	<u>\$6,674,982</u>	<u>40.82%</u>

## CUSTOM FROZEN BEEF SEMEN (1)

UNITS OF SEMEN

BREED	2011	2010	%+/-
ANGUS	771,170	895,061	-13.84%
SIMMENTAL	171,256	143,714	19.16%
RED ANGUS	141,147	130,990	7.75%
MAINE ANJOU	105,271	83,226	26.49%
POLLED HEREFORD	91,625	74,254	23.39%
CHAROLAIS	86,433	51,615	67.46%
HEREFORD	80,709	71,203	13.35%
LIMOUSIN	78,668	43,232	81.97%
BRAHMAN	64,161	74,447	-13.82%
SENAPOLE	60,127	87,231	-31.07%
BEEFMASTER	59,876	55,205	8.46%
BRANGUS	57,600	88,852	-35.17%
AMERICAN BUCKING BULL	41,422	66,748	-37.94%
LOWLINE (LOALA)	40,309	11,507	250.30%
WAGYU	36,798	35,670	3.16%
GELBIEH	36,775	43,303	-15.08%
RED BRANGUS	25,630	22,865	12.09%
SHORTHORN (SCOTCH)	23,562	24,576	-4.13%
DUTCH BELTED	15,744	15,650	0.60%
SHORTHORN	13,675	17,805	-23.20%
SANTA GERTRUDIS	12,851	5,772	122.64%
SALERS	11,730	9,195	27.57%
TEXAS LONGHORN	10,751	13,114	-18.02%
BONSMARA	9,234	0	0.00%
CHI-MAINE	8,273	16,371	-49.47%
AMERIFAX	7,052	0	0.00%
BRAHMAN (RED)	6,249	30,324	-79.39%
CHIANINA	5,474	15,548	-64.79%
BRAUNVIEH	5,142	9,283	-44.61%
BRITISH WHITE	4,711	476	889.71%
CHI-ANGUS	3,283	5,701	-42.41%
BRAHMENTAL/SIMBRAH	2,845	9,792	-70.95%
BRAFORD	2,779	1,160	139.57%
SOUTH DEVON	2,752	801	243.57%
OTHER BEEF (c)	299,138	299,667	-0.18%
TOTAL	<u>2,394,222</u>	<u>2,454,358</u>	<u>-2.45%</u>

(c) Other Beef includes: Ankina, Barzona, Beef Friesian, Beefalo, Belgian Blue, Belted Galloway, Black Hereford, Blonde D'Aquit., Brahmousin, Buelingo, Corriente, Crossbreed, Devon, Dexter, Galloway, Guzaret, Gyr, Irish Black, Marchigiana, Murray Grey, Normande, Piedmont, Pinzgauer, Red Poll, 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