

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

BREED	2004	2003	%+/-
HOLSTEIN	15,164,495	14,776,512	2.63%
JERSEY	1,173,498	1,071,651	9.50%
BROWN SWISS	158,731	163,315	-2.81%
R&W/RED HOLSTEIN	102,867	110,447	-6.86%
GUERNSEY	48,085	48,746	-1.36%
AYRSHIRE	38,767	34,984	10.81%
HOLSTEIN-RED CARRIER	21,170	42,763	-50.49%
MILKING SHORTHORN	19,320	17,975	7.48%
OTHER DAIRY	29,538	23,288	26.84%
TOTAL	<u>16,756,471</u>	<u>16,289,681</u>	<u>2.87%</u>

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

BREED	2004	2003	%+/-
HOLSTEIN	242,653	239,170	1.46%
R&W/RED HOLSTEIN	38,180	22,735	67.93%
JERSEY	32,207	27,217	18.33%
HOLSTEIN-RED CARRIER	13,340	2,413	452.84%
BROWN SWISS	2,802	2,042	37.22%
AYRSHIRE	1,255	404	210.64%
GUERNSEY	0	0	0.00%
MILKING SHORTHORN	0	0	0.00%
OTHER DAIRY	17,652	638	2666.77%
TOTAL	<u>348,089</u>	<u>294,619</u>	<u>18.15%</u>

## CUSTOM FROZEN DAIRY SEMEN (1)

UNITS OF SEMEN

BREED	2004	2003	%+/-
HOLSTEIN	1,280,175	718,348	78.21%
BROWN SWISS	123,783	113,530	9.03%
JERSEY	74,710	76,493	-2.33%
R&W/RED HOLSTEIN	23,518	7,263	223.81%
GUERNSEY	12,706	6,318	101.11%
MILKING SHORTHORN	12,482	8,789	42.02%
HOLSTEIN-RED CARRIER	7,954	2,530	214.39%
AYRSHIRE	0	1,821	-100.00%
OTHER DAIRY	4,060	1,000	306.00%
TOTAL	<u>1,539,388</u>	<u>936,092</u>	<u>64.45%</u>

## DAIRY SEMEN EXPORT SALES (1)

UNITS OF SEMEN

BREED	2004	2003	%+/-
HOLSTEIN	7,195,127	7,425,260	-3.10%
JERSEY	579,572	450,099	28.77%
BROWN SWISS	285,805	282,974	1.00%
R&W/RED HOLSTEIN	47,544	81,026	-41.32%
AYRSHIRE	34,592	33,443	3.44%
HOLSTEIN-RED CARRIER	13,555	8,225	64.80%
GUERNSEY	11,039	15,006	-26.44%
MILKING SHORTHORN	3,742	2,628	42.39%
OTHER DAIRY	8,418	14,911	-43.55%
TOTAL	<u>8,179,394</u>	<u>8,313,572</u>	<u>-1.61%</u>

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DAIRY SEMEN EXPORT SALES (2)  
UNITS OF SEMEN

	<u>2004</u>	<u>2003</u>	<u>%+/-</u>
WORLD TOTAL	<u>8,245,491</u>	<u>8,357,404</u>	<u>-1.34%</u>

DAIRY SEMEN EXPORT SALES (2)  
DOLLAR VALUE

	<u>2004</u>	<u>2003</u>	<u>%+/-</u>
WORLD TOTAL	<u>\$46,449,756</u>	<u>\$43,072,138</u>	<u>7.84%</u>

BEEF SEMEN EXPORT SALES (2)  
UNITS OF SEMEN

	<u>2004</u>	<u>2003</u>	<u>%+/-</u>
WORLD TOTAL	<u>578,770</u>	<u>611,295</u>	<u>-5.32%</u>

BEEF SEMEN EXPORT SALES (2)  
DOLLAR VALUE

	<u>2004</u>	<u>2003</u>	<u>%+/-</u>
WORLD TOTAL	<u>\$2,421,392</u>	<u>\$2,591,856</u>	<u>-6.58%</u>

DOMESTIC BEEF SEMEN SALES (1)  
UNITS OF SEMEN

BREED	2004	2003	%+/-
ANGUS	814,787	743,769	9.55%
RED ANGUS	87,061	79,796	9.10%
SIMMENTAL	80,319	77,784	3.26%
POLLED HEREFORD	31,374	33,260	-5.67%
CHAROLAIS	11,613	17,899	-35.12%
BRAHMAN	9,488	10,718	-11.48%
GELBVIEWH	6,302	6,087	3.53%
LIMOUSIN	6,205	11,489	-45.99%
MAINE ANJOU	6,119	7,343	-16.67%
CHIANINA	4,922	1,631	201.78%
BRANGUS	4,841	6,319	-23.39%
CHI-MAINE	3,839	3,801	1.00%
HEREFORD	3,071	4,563	-32.70%
SANTA GERTRUDIS	2,222	726	206.06%
SHORTHORN	2,011	1,813	10.92%
NORMANDE	1,705	56	2944.64%
SHORTHORN (SCOTCH)	1,690	1,656	2.05%
LONGHORN	1,024	1,092	-6.23%
OTHER BEEF (a)	23,985	15,314	56.62%
TOTAL	<u>1,102,578</u>	<u>1,025,116</u>	<u>7.56%</u>

(a) Other Beef includes: Beefmaster, Belgian Blue, Blonde D'Aquit., Braford, Brahman (Red), Brahmental-Simbrah, Brahmousin, Brangus (Red), Braunvieh, ChiAngus, Crossbreed, Dexter, Dutch Belted, Galloway, Gelbray, Gyr, Murray Grey, Nellore, Piedmont, Pinzgauer, Romagnola, Salers, Scotch Highland, Senapol, South Devon, Tarantaise, Wagyu, White Park, and Misc. Beef.

## BEEF SEMEN IMPORT SALES (1)

UNITS OF SEMEN

BREED	2004	2003	%+/-
SWEDISH RED	2,943	8,829	-66.67%
NORMANDE	537	0	0.00%
BELGIAN BLUE	412	503	-18.09%
NORWEGIAN RED	278	1,068	-73.97%
PIEDMONT	2	20	-90.00%
WAGYU	0	170	-100.00%
SCOTCH HIGHLAND	0	4	-100.00%
TOTAL	<u>4,172</u>	<u>10,594</u>	<u>-60.62%</u>

## BEEF SEMEN EXPORT SALES (1)

UNITS OF SEMEN

BREED	2004	2003	%+/-
ANGUS	240,459	225,553	6.61%
RED ANGUS	122,779	158,222	-22.40%
POLLED HEREFORD	45,334	40,206	12.75%
SIMMENTAL	39,502	41,068	-3.81%
BRAHMAN	39,031	34,093	14.48%
CHAROLAIS	30,938	29,394	5.25%
LIMOUSIN	23,323	22,822	2.20%
SENAPOL	7,996	5,485	45.78%
BRAHMAN (RED)	7,861	5,536	42.00%
RED POLL	3,980	0	0.00%
BRANGUS	3,910	8,729	-55.21%
BRANGUS (RED)	2,355	4,770	-50.63%
GELBIEH	2,204	3,522	-37.42%
BEEFMASTER	1,715	594	188.72%
HORNED HEREFORD	1,616	2,783	-41.93%
BELGIAN BLUE	1,344	2,577	-47.85%
OTHER BEEF (b)	7,114	29,550	-75.93%
TOTAL	<u>581,461</u>	<u>614,904</u>	<u>-5.44%</u>

(b) Other Beef includes: Blonde D'Aquit., Braford, Brahmental-Simbrah, Braunvieh, ChiAngus, Chianina, Chi-Maine, Crossbreed, Dexter, Galloway, Gelbray, Gyr, Longhorn, Maine-Anjou, Nellore, Normande, Piedmont, Romagnola, Salers, Santa Gertrudis, Shorthorn, Scotch Shorthorn, South Devon, and Misc. Beef.

## CUSTOM FROZEN BEEF SEMEN (1)

UNITS OF SEMEN

BREED	2004	2003	%+/-
ANGUS	751,558	696,394	7.92%
MAINE ANJOU	120,863	119,148	1.44%
CHAROLAIS	116,961	94,330	23.99%
SIMMENTAL	105,221	96,026	9.58%
RED ANGUS	103,726	109,141	-4.96%
LIMOUSIN	96,841	97,238	-0.41%
BONSMARA	81,683	103,492	-21.07%
POLLED HEREFORD	75,180	88,602	-15.15%
SHORTHORN (SCOTCH)	74,567	45,282	64.67%
BEEFMASTER	73,088	53,172	37.46%
WAGYU	72,330	44,120	63.94%
BRAHMAN	62,963	41,921	50.19%
BRANGUS	59,611	60,212	-1.00%
HEREFORD	57,731	70,399	-17.99%
SENAPOL	53,808	45,419	18.47%
GELBIEH	49,314	35,808	37.72%
SHORTHORN	36,271	17,629	105.75%
SANTA GERTRUDIS	26,665	20,103	32.64%
CHI-MAINE	23,436	25,093	-6.60%
RED BRANGUS	22,424	10,743	108.73%
CHIANINA	21,640	16,801	28.80%
CHI-ANGUS	17,240	16,447	4.82%
BRAHMAN (RED)	16,016	392	3985.71%
SALERS	12,812	15,041	-14.82%
TEXAS LONGHORN	11,031	17,009	-35.15%
DUTCH BELTED	7,502	4,482	67.38%
SCOTCH HIGHLAND	7,127	2,325	206.54%
BRAHMENTAL/SIMBRAH	6,521	13,523	-51.78%
SOUTH DEVON	6,457	4,608	40.13%
BRAUNVIEH	6,184	7,820	-20.92%
ROMAGNOLA	3,890	1,879	107.03%
BELGIAN BLUE	2,545	1,813	40.38%
GALLOWAY	2,344	4,790	-51.06%
PIEDMONT	2,180	2,186	-0.27%
NELLORE	2,090	833	150.90%
OTHER BEEF (c)	229,934	248,777	-7.57%
TOTAL	<u>2,419,754</u>	<u>2,232,998</u>	<u>8.36%</u>

(c) Other Beef includes: American Breed, Amerifax, Ankina, Barzona, Beefalo, Beef Friesian, Belted Galloway, Blonde D'Aquit., Braford, Brahmousin, British White, Corriente, Crossbreed, Dexter, Devon, Gelbray, Murray Grey, Normande, Parthenaise, Piedmont, Pinzgauer, Red Poll, 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