

DOMESTIC DAIRY SEMEN SALES (1)
UNITS OF SEMEN

BREED	2003	2002	%+/-
HOLSTEIN	14,776,512	14,085,876	4.90%
JERSEY	1,071,651	954,473	12.28%
BROWN SWISS	163,315	158,233	3.21%
R&W/RED HOLSTEIN	110,447	137,886	-19.90%
GUERNSEY	48,746	50,582	-3.63%
HOLSTEIN-RED CARRIER	42,763	68,858	-37.90%
AYRSHIRE	34,984	38,149	-8.30%
MILKING SHORTHORN	17,975	16,953	6.03%
OTHER DAIRY	23,288	15,542	49.84%
TOTAL	<u>16,289,681</u>	<u>15,526,552</u>	<u>4.91%</u>

CUSTOM FROZEN DAIRY SEMEN (1)
UNITS OF SEMEN

BREED	2003	2002	%+/-
HOLSTEIN	718,348	731,626	-1.81%
BROWN SWISS	113,530	86,158	31.77%
JERSEY	76,493	80,908	-5.46%
MILKING SHORTHORN	8,789	2,417	263.63%
R&W/RED HOLSTEIN	7,263	16,764	-56.68%
GUERNSEY	6,318	3,649	73.14%
HOLSTEIN-RED CARRIER	2,530	0	0.00%
AYRSHIRE	1,821	5,249	-65.31%
OTHER DAIRY	1,000	0	0.00%
TOTAL	<u>936,092</u>	<u>926,771</u>	<u>1.01%</u>

DAIRY SEMEN EXPORT SALES (1)
UNITS OF SEMEN

BREED	2003	2002	%+/-
HOLSTEIN	7,425,260	7,193,891	3.22%
JERSEY	450,099	483,527	-6.91%
BROWN SWISS	282,974	337,580	-16.18%
R&W/RED HOLSTEIN	81,026	96,310	-15.87%
AYRSHIRE	33,443	20,336	64.45%
GUERNSEY	15,006	14,677	2.24%
HOLSTEIN-RED CARRIER	8,225	23,279	-64.67%
MILKING SHORTHORN	2,628	3,182	-17.41%
OTHER DAIRY	14,911	1,737	758.43%
TOTAL	<u>8,313,572</u>	<u>8,174,519</u>	<u>1.70%</u>

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DAIRY SEMEN EXPORT SALES (2)
UNITS OF SEMEN

	<u>2003</u>	<u>2002</u>	<u>%+/-</u>
WORLD TOTAL	<u>8,357,404</u>	<u>8,219,224</u>	<u>1.68%</u>

DAIRY SEMEN EXPORT SALES (2)
DOLLAR VALUE

	<u>2003</u>	<u>2002</u>	<u>%+/-</u>
WORLD TOTAL	<u>\$43,072,138</u>	<u>\$46,225,412</u>	<u>-6.82%</u>

BEEF SEMEN EXPORT SALES (2)
UNITS OF SEMEN

	<u>2003</u>	<u>2002</u>	<u>%+/-</u>
WORLD TOTAL	<u>611,295</u>	<u>680,326</u>	<u>-10.15%</u>

BEEF SEMEN EXPORT SALES (2)
DOLLAR VALUE

	<u>2003</u>	<u>2002</u>	<u>%+/-</u>
WORLD TOTAL	<u>\$2,591,856</u>	<u>\$1,953,639</u>	<u>32.67%</u>

DOMESTIC BEEF SEMEN SALES (1)
UNITS OF SEMEN

BREED	2003	2002	%+/-
ANGUS	743,769	685,070	8.57%
RED ANGUS	79,796	76,326	4.55%
SIMMENTAL	77,784	70,301	10.64%
POLLED HEREFORD	33,260	32,660	1.84%
CHAROLAIS	17,899	19,107	-6.32%
BRAHMAN	10,718	11,707	-8.45%
LIMOUSIN	11,489	7,675	49.69%
MAINE ANJOU	7,343	3,938	86.47%
BRANGUS	6,319	5,761	9.69%
GELBVIEWH	6,087	6,269	-2.90%
HEREFORD	4,563	6,561	-30.45%
CHI-MAINE	3,801	5,583	-31.92%
SHORTHORN	1,813	1,993	-9.03%
SHORTHORN (SCOTCH)	1,656	496	233.87%
CHIANINA	1,631	1,079	51.16%
OTHER BEEF (a)	17,188	10,455	64.40%
TOTAL	<u>1,025,116</u>	<u>944,485</u>	<u>8.54%</u>

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

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BEEF SEMEN EXPORT SALES (1)
UNITS OF SEMEN

BREED	2003	2002	%+/-
ANGUS	225,553	251,689	-10.38%
RED ANGUS	158,222	215,063	-26.43%
SIMMENTAL	41,068	38,372	7.03%
POLLED HEREFORD	40,206	53,094	-24.27%
BRAHMAN	34,093	44,046	-22.60%
CHAROLAIS	29,394	19,793	48.51%
LIMOUSIN	22,822	15,346	48.72%
BEEF FRIESIAN	15,250	0	0.00%
BRANGUS	8,729	5,280	65.32%
BRAHMAN (RED)	5,536	12,609	-56.09%
SENAPOLE	5,485	9,540	-42.51%
BRANGUS (RED)	4,770	3,334	43.07%
GELBVIEH	3,522	5,749	-38.74%
HORNED HEREFORD	2,783	1,248	123.00%
BELGIAN BLUE	2,577	1,447	78.09%
OTHER BEEF (b)	14,894	7,096	109.89%
TOTAL	<u>614,904</u>	<u>683,706</u>	<u>-10.06%</u>

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

CUSTOM FROZEN BEEF SEMEN (1)

UNITS OF SEMEN

BREED	2003	2002	%+/-
ANGUS	696,394	634,017	9.84%
RED ANGUS	109,141	158,477	-31.13%
MAINE ANJOU	119,148	101,942	16.88%
BONSMARA	103,492	20,965	393.64%
LIMOUSIN	97,238	92,261	5.39%
SIMMENTAL	96,026	75,429	27.31%
CHAROLAIS	94,330	57,248	64.77%
POLLED HEREFORD	88,602	63,158	40.29%
HEREFORD	70,399	51,943	35.53%
BRANGUS	60,212	77,550	-22.36%
BEEFMASTER	53,172	58,994	-9.87%
SENAPOL	45,419	45,263	0.34%
SHORTHORN (SCOTCH)	45,282	60,750	-25.46%
WAGYU	44,120	81,582	-45.92%
BRAHMAN	41,921	77,655	-46.02%
GELBVIEWH	35,808	54,134	-33.85%
CHI-MAINE	25,093	20,730	21.05%
SANTA GERTRUDIS	20,103	4,558	341.05%
SHORTHORN	17,629	5,877	199.97%
TEXAS LONGHORN	17,009	11,027	54.25%
CHIANINA	16,801	17,226	-2.47%
CHI-ANGUS	16,447	9,309	76.68%
SALERS	15,041	13,373	12.47%
BRAHMENTAL/SIMBRAH	13,523	8,717	55.13%
RED BRANGUS	10,743	19,346	-44.47%
BRAUNVIEWH	7,820	8,796	-11.10%
GALLOWAY	4,790	1,071	347.25%
SOUTH DEVON	4,608	8,085	-43.01%
DUTCH BELTED	4,482	8,333	-46.21%
BLONDE D'AQUIT.	3,222	0	0.00%
SCOTCH HIGHLAND	2,325	1,498	55.21%
PIEDMONT	2,186	1,939	12.74%
OTHER BEEF (c)	250,472	313,452	-20.09%
TOTAL	<u>2,232,998</u>	<u>2,164,705</u>	<u>3.15%</u>

(c) Other Beef includes: American Breed, Amerifax, Ankina, Barzona, Beefalo, Beef Friesian, Belgian Blue, Belted Galloway, Brahman (Red), Braford, Brahmousin, British White, Corriente, Crossbreed, Dexter, Devon, Gelbray, Murray Grey, Nellore, Normande, Parthenaise, Piedmont, Pinzgauer, Red Poll, Romagnola, Scotch Highland, 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