

DOMESTIC DAIRY SEMEN SALES (1)

UNITS OF SEMEN

BREED	2002	2001	%+/-
HOLSTEIN	14,085,876	13,140,578	7.19%
JERSEY	954,473	829,754	15.03%
BROWN SWISS	158,233	134,584	17.57%
R&W/RED HOLSTEIN	137,886	118,497	16.36%
HOLSTEIN-RED CARRIER	68,858	87,916	-21.68%
GUERNSEY	50,582	52,425	-3.52%
AYRSHIRE	38,149	37,385	2.04%
MILKING SHORTHORN	16,953	15,621	8.53%
OTHER DAIRY	15,542	6,656	0.00%
TOTAL	<u>15,526,552</u>	<u>14,423,416</u>	<u>7.65%</u>

CUSTOM FROZEN DAIRY SEMEN (1)

UNITS OF SEMEN

BREED	2002	2001	%+/-
HOLSTEIN	731,626	697,313	4.92%
BROWN SWISS	86,158	52,412	64.39%
JERSEY	80,908	53,209	52.06%
R&W/RED HOLSTEIN	16,764	13,050	28.46%
AYRSHIRE	5,249	2,933	78.96%
GUERNSEY	3,649	4,419	-17.42%
MILKING SHORTHORN	2,417	2,815	-14.14%
HOLSTEIN-RED CARRIER	0	0	0.00%
OTHER DAIRY	0	0	0.00%
TOTAL	<u>926,771</u>	<u>826,151</u>	<u>12.18%</u>

DAIRY SEMEN EXPORT SALES (1)

UNITS OF SEMEN

BREED	2002	2001	%+/-
HOLSTEIN	7,193,891	7,780,453	-7.54%
JERSEY	483,527	507,148	-4.66%
BROWN SWISS	337,580	334,600	0.89%
R&W/RED HOLSTEIN	96,310	63,466	51.75%
HOLSTEIN-RED CARRIER	23,279	53,376	-56.39%
AYRSHIRE	20,336	20,084	1.25%
GUERNSEY	14,677	13,915	5.48%
MILKING SHORTHORN	3,182	1,937	64.27%
OTHER DAIRY	1,737	445	0.00%
TOTAL	<u>8,174,519</u>	<u>8,775,424</u>	<u>-6.85%</u>

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DAIRY SEMEN EXPORT SALES (2)
UNITS OF SEMEN

	<u>2002</u>	<u>2001</u>	<u>%+/-</u>
WORLD TOTAL	<u>8,219,224</u>	<u>8,936,005</u>	<u>-8.02%</u>

DAIRY SEMEN EXPORT SALES (2)
DOLLAR VALUE

	<u>2002</u>	<u>2001</u>	<u>%+/-</u>
WORLD TOTAL	<u>\$46,225,412</u>	<u>\$50,055,918</u>	<u>-7.65%</u>

BEEF SEMEN EXPORT SALES (2)
UNITS OF SEMEN

	<u>2002</u>	<u>2001</u>	<u>%+/-</u>
WORLD TOTAL	<u>680,326</u>	<u>795,697</u>	<u>-14.50%</u>

BEEF SEMEN EXPORT SALES (2)
DOLLAR VALUE

	<u>2002</u>	<u>2001</u>	<u>%+/-</u>
WORLD TOTAL	<u>\$1,953,639</u>	<u>\$2,127,481</u>	<u>-8.17%</u>

DOMESTIC BEEF SEMEN SALES (1)
UNITS OF SEMEN

BREED	2002	2001	%+/-
ANGUS	685,070	651,508	5.15%
RED ANGUS	76,326	81,665	-6.54%
SIMMENTAL	70,301	70,779	-0.68%
POLLED HEREFORD	32,660	37,560	-13.05%
CHAROLAIS	19,107	18,805	1.61%
BRAHMAN	11,707	14,146	-17.24%
LIMOUSIN	7,675	10,639	-27.86%
HEREFORD	6,561	4,020	63.21%
GELBVIEWH	6,269	9,466	-33.77%
BRANGUS	5,761	6,812	-15.43%
CHI-MAINE	5,583	1,006	454.97%
MAINE ANJOU	3,938	4,154	-5.20%
SHORTHORN	1,993	2,374	-16.05%
CHIANINA	1,079	806	33.87%
OTHER BEEF (a)	10,455	13,132	-20.39%
TOTAL	<u>944,485</u>	<u>926,872</u>	<u>1.90%</u>

(a) Other Beef includes: American Breed, Beefalo, Beefmaster, Belgian Blue, Blonde D'Acquit., Bonsmara, Braford, Brahman (Red), Brahmental-Simbrah, Brahmousin, Brangus (Red), Braunvieh, ChiAngus, Corriente, Devon, Dexter, Dutch Belted, Galloway, Gyr Indu-Brazil, Longhorn, Marchigiana, Mashona, Murray Grey, Nellore, Normande, Parthenaise, Piedmont, Pinzgauer, Romagnola, Salers, Santa Gertrudis, Scotch Highland, Scotch Shorthorn, Senapol, South Devon, Tabapua, Tarentaise, Tuli, Wagyu, White Park and Misc. Beef.

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BEEF SEMEN EXPORT SALES (1)
UNITS OF SEMEN

BREED	2002	2001	%+/-
ANGUS	251,689	248,622	1.23%
RED ANGUS	215,063	338,714	-36.51%
POLLED HEREFORD	53,094	49,331	7.63%
BRAHMAN	44,046	66,078	-33.34%
SIMMENTAL	38,372	40,425	-5.08%
CHAROLAIS	19,793	14,963	32.28%
LIMOUSIN	15,346	14,690	4.47%
BRAHMAN (RED)	12,609	1,950	546.62%
SENAPOL	9,540	4,270	123.42%
GELBVIEWH	5,749	4,207	36.65%
BRANGUS	5,280	9,806	-46.16%
BRANGUS (RED)	3,334	3,730	-10.62%
BELGIAN BLUE	1,447	1,445	0.14%
HORNED HEREFORD	1,248	305	309.18%
OTHER BEEF (b)	7,096	7,494	-5.31%
TOTAL	<u>683,706</u>	<u>806,030</u>	<u>-15.18%</u>

(b) Other Beef includes: Beefmaster, Blonde D'Aquit., Braford, Brahmental-Simbrah, Brahmousin, Braunvieh, ChiAngus, Chianina, Chi-Maine, Dexter, Galloway, Gyr, Indu-Brazil, Longhorn, Maine-Anjou, Marchigiana, Murray Grey, Nellore, Piedmont, Pinzgauer, Romagnola, Salers, Santa Gertrudis, Senapol, Shorthorn, Shorthorn (Scotch), Tarentaise, Tuli, Wagyu and Misc. Beef.

CUSTOM FROZEN BEEF SEMEN (1)
UNITS OF SEMEN

BREED	2002	2001	%+/-
ANGUS	634,017	608,739	4.15%
RED ANGUS	158,477	169,635	-6.58%
MAINE ANJOU	101,942	94,818	7.51%
LIMOUSIN	92,261	77,275	19.39%
WAGYU	81,582	75,073	8.67%
BRAHMAN	77,655	27,248	184.99%
BRANGUS	77,550	84,800	-8.55%
SIMMENTAL	75,429	55,716	35.38%
POLLED HEREFORD	63,158	61,824	2.16%
SHORTHORN (SCOTCH)	60,750	44,302	37.13%
BEEFMASTER	58,994	55,690	5.93%
CHAROLAIS	57,248	78,868	-27.41%
GELBVIEH	54,134	54,537	-0.74%
HEREFORD	51,943	46,837	10.90%
SENAPOL	45,263	54,759	-17.34%
BONSMARA	20,965	4,117	409.23%
CHI-MAINE	20,730	44,657	-53.58%
RED BRANGUS	19,346	22,962	-15.75%
CHIANINA	17,226	12,288	40.19%
SALERS	13,373	16,039	-16.62%
TEXAS LONGHORN	11,027	5,007	120.23%
CHI-ANGUS	9,309	18,516	-49.72%
CORRIENTE	9,139	0	0.00%
BRAUNVIEH	8,796	9,076	-3.09%
BRAHMENTAL/SIMBRAH	8,717	4,268	104.24%
DUTCH BELTED	8,333	67	12337.31%
SOUTH DEVON	8,085	5,337	51.49%
MARCHIGIANA	7,879	0	0.00%
NELLORE	7,729	23,049	-66.47%
SHORTHORN	5,877	18,851	-68.82%
BUELINGO	5,702	56	10082.14%
INDU-BRAZIL	5,591	5,234	6.82%
RED BRAHMAN	5,301	3,517	50.73%
TARENDAISE	4,617	1,337	245.33%
SANTA GERTRUDIS	4,558	4,729	-3.62%
OTHER BEEF (c)	272,002	206,493	31.72%
TOTAL	<u>2,164,705</u>	<u>1,995,721</u>	<u>8.47%</u>

(c) Other Beef includes: American Breed, Amerifax, Barzona, Beefalo, Beef Friesian, Belgian Blue, Belted Galloway, Blonde D'Acquit., Braford, Brahmousin, British White, Devon, Murray Grey, Normande, Parthenaise, Piedmont, Pinzgauer, Red Poll, Romagnola, Scotch Highland, 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