

DOMESTIC DAIRY SEMEN SALES (1)

UNITS OF SEMEN

BREED	1992	1991	%+/-
HOLSTEIN	12,230,156	11,739,026	4.18%
JERSEY	584,145	581,736	0.41%
GUERNSEY	127,876	147,627	-13.38%
BROWN SWISS	115,483	111,150	3.90%
AYRSHIRE	45,414	44,093	3.00%
MILKING SHORTHORN	14,067	14,032	0.25%
OTHER DAIRY	250	261	-4.21%
TOTAL	<u>13,117,391</u>	<u>12,637,925</u>	<u>3.79%</u>

CUSTOM FROZEN DAIRY SEMEN (1)

UNITS OF SEMEN

BREED	1992	1991	%+/-
HOLSTEIN	516,794	646,746	-20.09%
BROWN SWISS	75,482	57,408	31.48%
JERSEY	41,032	24,817	65.34%
MILKING SHORTHORN	3,324	1,675	98.45%
AYRSHIRE	3,223	1,708	88.70%
GUERNSEY	2,750	3,528	-22.05%
OTHER DAIRY	88	435	-79.77%
TOTAL	<u>642,693</u>	<u>736,317</u>	<u>-12.72%</u>

DAIRY SEMEN EXPORT SALES (1)

UNITS OF SEMEN

BREED	1992	1991	%+/-
HOLSTEIN	4,636,819	4,213,536	10.05%
BROWN SWISS	247,398	243,362	1.66%
JERSEY	224,594	186,779	20.25%
GUERNSEY	14,641	10,035	45.90%
AYRSHIRE	5,998	5,617	6.78%
OTHER DAIRY	2,000	1,230	62.60%
TOTAL	<u>5,131,450</u>	<u>4,660,559</u>	<u>10.10%</u>

DAIRY SEMEN EXPORT SALES (2)

UNITS OF SEMEN

REGION	1992	1991	%+/-
EUROPEAN COMMUNITY	1,167,863	1,263,858	-7.60%
SOUTH AMERICA	1,249,744	1,179,288	5.97%
NORTH AMERICA	938,920	789,200	18.97%
ASIA	545,516	553,625	-1.46%
OCEANIA	495,027	274,689	80.21%
MIDDLE EAST	191,302	136,637	40.01%
OTHER WESTERN EUROPE	175,076	190,983	-8.33%
CENTRAL AMERICA	145,093	104,252	39.18%
AFRICA	129,177	130,751	-1.20%
EASTERN EUROPE	99,531	50,104	98.65%
CARRIBEAN	25,698	15,950	61.12%
TOTAL	<u>5,162,947</u>	<u>4,689,337</u>	<u>10.10%</u>

DAIRY SEMEN EXPORT SALES (2)

DOLLAR VALUE

REGION	1992	1991	%+/-
EUROPEAN COMMUNITY	\$17,255,879	\$19,084,913	-9.58%
NORTH AMERICA	5,889,757	5,268,736	11.79%
SOUTH AMERICA	4,974,998	4,579,416	8.64%
OCEANIA	3,391,687	2,072,988	63.61%
ASIA	3,264,163	3,470,445	-5.94%
OTHER WESTERN EUROPE	2,438,777	2,071,364	17.74%
MIDDLE EAST	1,546,423	1,226,582	26.08%
AFRICA	1,053,865	1,402,721	-24.87%
EASTERN EUROPE	800,306	511,629	56.42%
CENTRAL AMERICA	630,339	417,955	50.82%
CARRIBEAN	121,418	53,795	125.70%
TOTAL	<u>\$41,367,612</u>	<u>\$40,160,544</u>	<u>3.01%</u>

DOMESTIC BEEF SEMEN SALES (1)

UNITS OF SEMEN

BREED	1992	1991	%+/-
ANGUS	556,884	501,025	11.15%
SIMMENTAL	138,036	144,550	-4.51%
POLLED HEREFORD	110,345	108,518	1.68%
BRAHMAN	56,646	56,716	-0.12%
RED ANGUS	40,516	33,185	22.09%
CHAROLAIS	31,007	25,567	21.28%
GELBVIEWH	29,159	23,637	23.36%
LIMOUSIN	28,232	30,909	-8.66%
HEREFORD	11,735	16,850	-30.36%
CHIANINA	10,279	15,377	-33.15%
MAINE ANJOU	8,670	11,970	-27.57%
SALERS	7,881	11,108	-29.05%
BRANGUS	7,053	5,675	24.28%
SHORTHORN	6,355	7,219	-11.97%
BELGIAN BLUE	5,415	3,986	35.85%
PIEDMONT	4,578	5,096	-10.16%
BEEFMASTER	3,428	2,981	14.99%
AMERIFAX	3,356	0	0.00%
LONGHORN	3,240	2,768	17.05%
BRAHMAN (RED)	2,382	297	702.02%
CHI-MAINE	1,749	2,610	-32.99%
DEVON (SOUTH)	1,985	1,100	80.45%
TARENDAISE	1,386	1,556	-10.93%
OTHER BEEF (a)	4,328	4,326	0.05%
TOTAL	<u>1,074,645</u>	<u>1,017,026</u>	<u>5.67%</u>

(a) Other Beef includes: Ankina, Blonde D'Aquit., Beef Friesian, Braford, Brahmental/Simbrah, Red Brangus, Braunvieh, Devon, Gyr, Indu Brazil, Marchigiana, Murray Grey, Nellore, Norweigan Red, Pinzgauer, Romagnola, Red Poll, Santa Gertrudis, Misc. Beef.

BEEF SEMEN EXPORT SALES (1)

UNITS OF SEMEN

BREED	1992	1991	%+/-
BRAHMAN	44,754	74,028	-39.54%
SIMMENTAL	95,711	67,772	41.22%
ANGUS	105,132	49,480	112.47%
RED ANGUS	45,604	30,686	48.62%
POLLED HEREFORD	56,130	26,758	109.77%
LIMOUSIN	36,771	17,414	111.16%
CHAROLAIS	14,025	12,331	13.74%
BRAUNVIEH	6,520	8,427	-22.63%
PIEDMONT	6,904	5,539	24.64%
GELBVIEWH	10,593	2,474	328.17%
BRANGUS	2,775	1,773	56.51%
HEREFORD	4,490	1,526	194.23%
BELGIAN BLUE	2,020	1,180	71.19%
BRAHMAN (RED)	5,450	0	0.00%
GYR	2,923	645	353.18%
SANTA GERTRUDIS	2,621	927	182.74%
ROMAGNOLA	1,522	25	5988.00%
OTHER BEEF (b)	7,213	3,710	94.42%
TOTAL	451,158	304,695	48.07%

(b) Other Beef includes: Beefmaster, Brahmental/Simbrah, Red Brangus, Chianina, Chi-Maine South Devon, Indu Brazil, Longhorn, Maine Anjou, Nellore, Salers, Shorthorn, Misc. Beef.

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CUSTOM FROZEN BEEF SEMEN (1)

UNITS OF SEMEN

BREED	1992	1991	%+/-
ANGUS	243,383	232,685	4.60%
SIMMENTAL	165,685	164,969	0.43%
LIMOUSIN	128,585	144,567	-11.06%
HEREFORD	117,753	85,363	37.94%
MAINE ANJOU	103,107	65,189	58.17%
CHAROLAIS	85,100	79,266	7.36%
BRANGUS	76,359	62,416	22.34%
GELBVIEWH	73,175	59,299	23.40%
BRAHMAN	65,400	42,310	54.57%
BEEFMASTER	58,126	62,158	-6.49%
POLLED HEREFORD	56,243	49,654	13.27%
RED ANGUS	49,853	38,214	30.46%
SALERS	49,826	44,490	11.99%
CHIANINA	43,069	36,723	17.28%
CHI-ANGUS	21,928	1,475	1386.64%
SHORTHORN	19,043	24,644	-22.73%
BUELINGO	15,515	0	0.00%
BEEFALO	14,777	4,424	234.02%
BRAHMENTAL/SIMBRAH	13,434	10,129	32.63%
BELGIAN BLUE	9,894	9,294	6.46%
WAGYU	9,209	6,770	36.03%
SHORTHORN (SCOTCH)	7,940	9,044	-12.21%
LONGHORN	7,551	8,772	-13.92%
SANTA GERTRUDIS	6,647	6,629	0.27%
CHI-MAINE	6,316	7,895	-20.00%
RED BRANGUS	4,031	6,773	-40.48%
SOUTH DEVON	3,917	8,366	-53.18%
OTHER BEEF (c)	66,448	49,006	35.59%
TOTAL	<u>1,522,314</u>	<u>1,320,524</u>	<u>15.28%</u>

(c) Other Beef includes: American Breed, Amerifax, Barzona, Blonde D'Aquit., Beef Friesian, Braford, Red Brahman, Braler, Braunvieh, British White, Corriente, Dexter, Galloway, Nellore, Norwegian Red, Piedmont, Pinzgauer, Romagnola, Red Poll, Scotch Highland, Senapol, Tarentaise, White Park, Crossbreed and Misc. Beef.

BEEF SEMEN EXPORT SALES (2)

UNITS OF SEMEN

REGION	1992	1991	%+/-
SOUTH AMERICA	242,423	172,262	40.73%
NORTH AMERICA	87,443	49,055	78.26%
ASIA	44,745	46,185	-3.12%
CENTRAL AMERICA	42,788	28,178	51.85%
OCEANIA	17,953	11,008	63.09%
EASTERN EUROPE	7,044	1,258	459.94%
AFRICA	4,043	2,784	45.22%
CARRIBEAN	1,828	170	975.29%
OTHER WESTERN EUROPE	464	2,486	-81.34%
EUROPEAN COMMUNITY	59	762	-92.26%
MIDDLE EAST	0	415	-100.00%
TOTAL	<u>448,790</u>	<u>314,563</u>	<u>42.67%</u>

BEEF SEMEN EXPORT SALES (2)

DOLLAR VALUE

REGION	1992	1991	%+/-
SOUTH AMERICA	\$691,511	\$532,860	29.77%
NORTH AMERICA	476,899	264,049	80.61%
ASIA	249,658	185,004	34.95%
OCEANIA	194,351	99,897	94.55%
CENTRAL AMERICA	181,063	116,178	55.85%
AFRICA	45,320	30,501	48.59%
EASTERN EUROPE	38,620	10,017	285.54%
OTHER WESTERN EUROPE	8,450	17,534	-51.81%
CARIBBEAN	4,953	846	485.46%
EUROPEAN COMMUNITY	573	11,850	-95.16%
MIDDLE EAST	0	5,368	-100.00%
TOTAL	<u>\$1,891,398</u>	<u>\$1,274,104</u>	<u>48.45%</u>

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(1) BASED ON QUARTERLY REPORTS OF SEMEN SOLD AND CUSTOM FROZEN

(2) BASED ON QUARTERLY SURVEY OF SEMEN SOLD FOR EXPORT

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