

DOMESTIC DAIRY SEMEN SALES (1)

UNITS OF SEMEN

BREED	2001	2000	%+/-
HOLSTEIN	13,140,578	12,180,243	7.88%
JERSEY	829,754	771,160	7.60%
BROWN SWISS	134,584	118,954	13.14%
R&W/RED HOLSTEIN	118,497	122,739	-3.46%
HOLSTEIN-RED CARRIER	87,916	91,487	-3.90%
GUERNSEY	52,425	55,662	-5.82%
AYRSHIRE	37,385	33,955	10.10%
MILKING SHORTHORN	15,621	13,323	17.25%
OTHER DAIRY	6,656		0.00%
TOTAL	<u>14,423,416</u>	<u>13,387,523</u>	<u>7.74%</u>

CUSTOM FROZEN DAIRY SEMEN (1)

UNITS OF SEMEN

BREED	2001	2000	%+/-
HOLSTEIN	697,313	619,613	12.54%
JERSEY	53,209	23,767	123.88%
BROWN SWISS	52,412	48,096	8.97%
R&W/RED HOLSTEIN	13,050	1,083	1104.99%
GUERNSEY	4,419	2,139	106.59%
AYRSHIRE	2,933	719	307.93%
MILKING SHORTHORN	2,815	3,725	-24.43%
HOLSTEIN-RED CARRIER	0	290	0.00%
OTHER DAIRY	0	0	0.00%
TOTAL	<u>826,151</u>	<u>699,432</u>	<u>18.12%</u>

DAIRY SEMEN EXPORT SALES (1)

UNITS OF SEMEN

BREED	2001	2000	%+/-
HOLSTEIN	7,780,453	7,271,444	7.00%
JERSEY	507,148	437,263	15.98%
BROWN SWISS	334,600	320,631	4.36%
R&W/RED HOLSTEIN	63,466	42,271	50.14%
HOLSTEIN-RED CARRIER	53,376	69,632	-23.35%
AYRSHIRE	20,084	21,058	-4.63%
GUERNSEY	13,915	13,449	3.46%
MILKING SHORTHORN	1,937	1,880	3.03%
OTHER DAIRY	445	0	0.00%
TOTAL	<u>8,775,424</u>	<u>8,177,628</u>	<u>7.31%</u>

DAIRY SEMEN EXPORT SALES (2)
UNITS OF SEMEN

	<u>2001</u>	<u>2000</u>	<u>%+/-</u>
WORLD TOTAL	<u>8,936,005</u>	<u>8,283,133</u>	<u>7.88%</u>

DAIRY SEMEN EXPORT SALES (2)
DOLLAR VALUE

	<u>2001</u>	<u>2000</u>	<u>%+/-</u>
WORLD TOTAL	<u>\$50,055,918</u>	<u>\$49,902,173</u>	<u>0.31%</u>

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DOMESTIC BEEF SEMEN SALES (1)
UNITS OF SEMEN

BREED	2001	2000	%+/-
ANGUS	651,508	702,382	-7.24%
RED ANGUS	81,665	77,012	6.04%
SIMMENTAL	70,779	72,404	-2.24%
POLLED HEREFORD	37,560	39,041	-3.79%
CHAROLAIS	18,805	18,301	2.75%
BRAHMAN	14,146	14,886	-4.97%
LIMOUSIN	10,639	14,124	-24.67%
GELBVIEH	9,466	10,988	-13.85%
BRANGUS	6,812	4,619	47.48%
MAINE ANJOU	4,154	4,329	-4.04%
HEREFORD	4,020	4,117	-2.36%
SHORTHORN	2,374	3,592	-33.91%
PIEDMONTESE	1,170	9,165	-87.23%
CHI-MAINE	1,006	665	51.28%
OTHER BEEF (a)	12,768	19,566	-34.74%
TOTAL	<u>926,872</u>	<u>995,191</u>	<u>-6.86%</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, Chianina, Corriente, Devon, Dexter, Dutch Belted, Galloway, Gyr, Indu-Brazil, Longhorn, Marchigiana, Mashona, Murray Grey, Nellore, Normande, Parthenaise, Pinzgauer, Romagnola, Salers, Santa Gertrudis, Scotch Highland, Scotch Shorthorn, Senapol, South Devon, Tabapua, Tarentaise, Tuli, Wagyu, White Park and Misc. Beef.

BEEF SEMEN EXPORT SALES (1)
UNITS OF SEMEN

BREED	2001	2000	%+/-
RED ANGUS	338,714	357,418	-5.23%
ANGUS	248,622	194,684	27.71%
BRAHMAN	66,078	26,082	153.35%
POLLED HEREFORD	49,331	54,232	-9.04%
SIMMENTAL	40,425	43,621	-7.33%
CHAROLAIS	14,963	14,432	3.68%
LIMOUSIN	14,690	13,205	11.25%
BRANGUS	9,806	900	989.56%
SENAPOL	4,270	1,325	222.26%
GELBVIEH	4,207	6,591	-36.17%
BRANGUS (RED)	3,730	3,270	14.07%
BRAHMAN (RED)	1,950	2,333	-16.42%
WAGYU	1,915	20	9475.00%
SHORTHORN	1,761	1,130	55.84%
BELGIAN BLUE	1,445	3,325	-56.54%
GYR	1,280	2,201	-41.84%
OTHER BEEF (b)	2,843	8,949	-68.23%
TOTAL	<u>806,030</u>	<u>733,718</u>	<u>9.86%</u>

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

CUSTOM FROZEN BEEF SEMEN (1)
UNITS OF SEMEN

BREED	2001	2000	%+/-
ANGUS	608,739	810,050	-24.85%
RED ANGUS	169,635	165,647	2.41%
MAINE ANJOU	94,818	108,556	-12.66%
BRANGUS	84,800	106,233	-20.18%
CHAROLAIS	78,868	65,387	20.62%
LIMOUSIN	77,275	108,692	-28.90%
WAGYU	75,073	101,760	-26.23%
POLLED HEREFORD	61,824	72,705	-14.97%
SIMMENTAL	55,716	68,247	-18.36%
BEEFMASTER	55,690	61,665	-9.69%
SENAPOL	54,759	43,031	27.25%
GELBVIEH	54,537	52,168	4.54%
HEREFORD	46,837	53,913	-13.12%
CHI-MAINE	44,657	33,627	32.80%
SHORTHORN (SCOTCH)	44,302	31,573	40.32%
BRAHMAN	27,248	64,496	-57.75%
NELLORE	23,049	772	2885.62%
RED BRANGUS	22,962	40,439	-43.22%
AMERICAN BREED	22,891	0	0.00%
SHORTHORN	18,851	6,997	169.42%
CHI-ANGUS	18,516	17,117	8.17%
SALERS	16,039	10,305	55.64%
CHIANINA	12,288	4,043	203.93%
PIEDMONT	12,171	21,033	-42.13%
BRAUNVIEH	9,076	43,186	-78.98%
SOUTH DEVON	5,337	8,016	-33.42%
INDU-BRAZIL	5,234	0	0.00%
TEXAS LONGHORN	5,007	12,604	-60.27%
SANTA GERTRUDIS	4,729	12,407	-61.88%
BRAHMENTAL/SIMBRAH	4,268	16,344	-73.89%
BONSMARA	4,117	0	0.00%
OTHER BEEF (c)	176,408	163,774	7.71%
TOTAL	<u>1,995,721</u>	<u>2,304,787</u>	<u>-13.41%</u>

(c) Other Beef includes: Amerifax, Barzona, Beefalo, Beef Friesian, Belgian Blue, Belted Galloway, Blonde D'Acquit., Braford, Brahman (Red), Brahmousin, British White, Buelingo, Devon, Dutch Belted, Galloway, Murray Grey, Normande, Parthenaise, Pinzgauer, Red Poll, Romagnola, Scotch Highland, Tarentaise, White Park, Yak and Misc. Beef.

BEEF SEMEN EXPORT SALES (2)

UNITS OF SEMEN

	<u>2001</u>	<u>2000</u>	<u>%+/-</u>
WORLD TOTAL	<u>795,697</u>	<u>744,482</u>	<u>6.88%</u>

BEEF SEMEN EXPORT SALES (2)

DOLLAR VALUE

	<u>2001</u>	<u>2000</u>	<u>%+/-</u>
WORLD TOTAL	<u>\$2,127,481</u>	<u>\$2,198,928</u>	<u>-3.25%</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