

DOMESTIC DAIRY SEMEN SALES (1)
UNITS OF SEMEN

BREED	1986	1985	%+/-
HOLSTEIN	11,314,928	11,809,665	-4.19%
JERSEY	545,051	549,251	-0.76%
GUERNSEY	207,362	221,362	-6.32%
BROWN SWISS	127,290	132,754	-4.12%
AYRSHIRE	58,825	85,113	-30.89%
MILKING SHORTHORN	16,149	15,250	5.90%
OTHER DAIRY	225	250	-10.00%
TOTAL	12,269,830	12,813,645	-4.24%

CUSTOM FROZEN DAIRY SEMEN (1)
UNITS OF SEMEN

BREED	1986	1985	%+/-
HOLSTEIN	527,008	555,704	-5.16%
JERSEY	21,952	33,737	-34.93%
GUERNSEY	6,892	3,627	90.02%
BROWN SWISS	54,374	41,542	30.89%
AYRSHIRE	1,641	4,792	-65.76%
MILKING SHORTHORN	1,295	2,231	-41.95%
OTHER DAIRY	0	0	0.00%
TOTAL	613,162	641,633	-4.44%

DAIRY SEMEN EXPORT SALES (1)
UNITS OF SEMEN

BREED	1986	1985	%+/-
HOLSTEIN	2,941,783	2,248,712	30.82%
BROWN SWISS	307,934	219,837	40.07%
JERSEY	74,218	45,161	64.34%
GUERNSEY	8,542	6,319	35.18%
OTHER DAIRY	5,591	3,644	53.43%
	3,338,068	2,523,673	32.27%

DAIRY SEMEN EXPORT SALES (2)
UNITS OF SEMEN

REGION	1986	1985	%+/-
EUROPEAN COMMUNITY	1,068,863	898,902	18.91%
OTHER WESTERN EUROPE	57,136	70,718	-19.21%
EASTERN EUROPE	229,881	253,973	-9.49%
SOUTH AMERICA	1,082,477	656,588	64.86%
NORTH AMERICA	496,357	422,895	17.37%
MIDDLE EAST	121,025	80,277	50.76%
OTHER ASIA	149,588	103,081	45.12%
CENTRAL AMERICA	116,461	87,289	33.42%
CARRIBEAN	7,398	3,270	126.24%
AFRICA	32,008	47,292	-32.32%
OCEANIA	14,118	0	0.00%
TOTAL	3,375,312	2,624,285	28.62%

DAIRY SEMEN EXPORT SALES (2)
DOLLAR VALUE

REGION	1986	1985	%+/-
EUROPEAN COMMUNITY	\$11,208,649	\$7,914,808	41.62%
OTHER WESTERN EUROPE	535,048	579,815	-7.72%
EASTERN EUROPE	1,636,130	1,551,559	5.45%
SOUTH AMERICA	4,787,651	2,489,826	92.29%
NORTH AMERICA	2,852,429	2,559,493	11.45%
MIDDLE EAST	918,691	674,052	36.29%
OTHER ASIA	1,077,882	790,565	36.34%
CENTRAL AMERICA	430,271	304,492	41.31%
CARRIBEAN	18,203	7,757	134.67%
AFRICA	347,559	397,785	-12.63%
OCEANIA	170,842	0	0.00%
TOTAL	\$23,983,355	\$17,270,152	38.87%

DOMESTIC BEEF SEMEN SALES (1)
UNITS OF SEMEN

BREED	1986	1985	%+/-
ANGUS	291,880	294,333	-0.83%
SIMMENTAL	109,450	132,090	-17.14%
POLLED HEREFORD	118,671	119,353	-0.57%
LIMOUSIN	12,719	19,317	-34.16%
CHIANINA	15,281	13,184	15.91%
BRAHMAN	44,664	49,366	-9.52%
CHAROLAIS	15,288	23,103	-33.83%
RED ANGUS	9,942	11,660	-14.73%
HEREFORD	15,578	14,128	10.26%
BRANGUS	5,644	6,270	-9.98%
GELBVIEH	15,694	21,502	-27.01%
SALERS	14,354	18,798	-23.64%
OTHER BEEF	25,460	31,466	-19.09%
TOTAL	694,625	754,570	-7.94%

BEEF SEMEN EXPORT SALES (1)
UNITS OF SEMEN

BREED	1986	1985	%+/-
BRAHMAN	30,788	21,938	40.34%
RED BRAHMAN	7,560	7,820	---
SIMMENTAL	32,068	48,849	-34.35%
BRANGUS	2,073	2,975	-30.32%
POLLED HEREFORD	15,936	13,118	21.48%
ANGUS	18,865	15,349	22.91%
RED ANGUS	4,348	8,870	-50.98%
CHAROLAIS	6,371	9,526	-33.12%
SANTA GERTRUDIS	2,566	274	836.50%
CHIANINA	1,220	897	36.01%
HEREFORD	3,385	3,368	0.50%
LIMOUSIN	8,734	5,882	48.49%
OTHER BEEF	9,728	4,928	97.40%
	143,642	143,794	-0.11%

CUSTOM FROZEN BEEF SEMEN (1)
UNITS OF SEMEN

BREED	1986	1985	%+/-
ANGUS	127,468	199,751	-36.19%
CHIANINA	35,400	105,116	-66.32%
SIMMENTAL	91,222	168,504	-45.86%
POLLED HEREFORD	62,835	45,027	39.55%
LIMOUSIN	67,232	87,546	-23.20%
CHAROLAIS	44,033	61,036	-27.86%
HEREFORD	61,977	83,230	-25.54%
BRANGUS	37,931	84,995	-55.37%
GELBVIEH	16,834	57,302	-70.62%
SALERS	41,198	127,693	-67.74%
BEEFMASTER	66,030	64,204	2.84%
SANTA GERTRUDIS	57,244	50,726	12.85%
BRAHMAN	32,141	45,482	-29.33%
OTHER BEEF	182,033	219,730	-17.16%
TOTAL	923,578	1,400,342	-34.05%

BEEF SEMEN EXPORT SALES (2)
UNITS OF SEMEN

REGION	1986	1985	%+/-
SOUTH AMERICA	79,343	77,498	2.38%
NORTH AMERICA	26,593	24,570	8.23%
CENTRAL AMERICA	7,062	9,633	-26.69%
AFRICA	3,031	6,273	-51.68%
OTHER ASIA	30,490	17,200	77.27%
MIDDLE EAST	1,655	1,579	4.81%
EUROPEAN COMMUNITY	882	1,080	-18.33%
EASTERN EUROPE	300	0	0.00%
OTHER WESTERN EUROPE	200	400	-50.00%
CARRIBEAN	3,673	8,302	-55.76%
OCEANIA	2,803	1,469	0.00%
TOTAL	156,032	148,004	5.42%

BEEF SEMEN EXPORT SALES (2)
DOLLAR VALUE

REGION	1986	1985	%+/-
SOUTH AMERICA	\$409,245	\$270,488	51.30%
NORTH AMERICA	228,995	168,472	35.92%
CENTRAL AMERICA	68,830	40,228	71.10%
CARIBBEAN	12,244	16,938	-27.71%
AFRICA	36,044	52,916	-31.88%
OTHER ASIA	119,346	82,839	44.07%
MIDDLE EAST	11,957	5,610	113.14%
EUROPEAN COMMUNITY	9,115	5,531	64.80%
OTHER WESTERN EUROPE	783	2,100	-62.71%
EASTERN EUROPE	3,015	0	0.00%
OCEANIA	17158	2433	0.00%
TOTAL	\$916,732	\$647,555	41.57%

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

(2) BASED ON SURVEY OF SEMEN SOLD FOR EXPORT