

DOMESTIC DAIRY SEMEN SALES (1)
UNITS OF SEMEN

BREED	1999	1998	%+/-
HOLSTEIN	12,419,266	11,535,032	7.67%
JERSEY	733,587	681,434	7.65%
R&W/RED HOLSTEIN	144,511	166,934	-13.43%
BROWN SWISS	114,781	107,001	7.27%
HOLSTEIN-RED CARRIER	96,477	107,006	-9.84%
GUERNSEY	59,286	65,462	-9.43%
AYRSHIRE	39,503	35,711	10.62%
MILKING SHORTHORN	13,749	13,090	5.03%
OTHER DAIRY		0	0.00%
TOTAL	<u>13,621,160</u>	<u>12,711,670</u>	<u>7.15%</u>

CUSTOM FROZEN DAIRY SEMEN (1)
UNITS OF SEMEN

BREED	1999	1998	%+/-
HOLSTEIN	514,637	535,003	-3.81%
BROWN SWISS	68,025	55,893	21.71%
JERSEY	43,506	31,086	39.95%
AYRSHIRE	4,703	6,137	-23.37%
GUERNSEY	3,064	770	297.92%
R&W/RED HOLSTEIN	2,567	9,122	-71.86%
MILKING SHORTHORN	1,253	3,723	-66.34%
HOLSTEIN-RED CARRIER	0	881	-100.00%
OTHER DAIRY	0	0	0.00%
TOTAL	<u>637,755</u>	<u>642,615</u>	<u>-0.76%</u>

DAIRY SEMEN EXPORT SALES (1)
UNITS OF SEMEN

BREED	1999	1998	%+/-
HOLSTEIN	7,521,171	7,587,347	-0.87%
JERSEY	421,199	521,499	-19.23%
BROWN SWISS	308,914	333,546	-7.38%
HOLSTEIN-RED CARRIER	97,382	235,923	-58.72%
R&W/RED HOLSTEIN	28,066	52,027	-46.05%
AYRSHIRE	26,249	35,510	-26.08%
GUERNSEY	16,412	20,767	-20.97%
MILKING SHORTHORN	1,292	3,081	-58.07%
TOTAL	<u>8,420,685</u>	<u>8,789,700</u>	<u>-4.20%</u>

DAIRY SEMEN EXPORT SALES (2)
UNITS OF SEMEN

	<u>1999</u>	<u>1998</u>	<u>%+/-</u>
WORLD TOTAL	<u>8,346,615</u>	<u>8,711,457</u>	<u>-4.19%</u>

DAIRY SEMEN EXPORT SALES (2)
DOLLAR VALUE

	<u>1999</u>	<u>1998</u>	<u>%+/-</u>
WORLD TOTAL	<u>\$50,834,078</u>	<u>\$55,675,920</u>	<u>-8.70%</u>

IV42

DOMESTIC BEEF SEMEN SALES (1)
UNITS OF SEMEN

BREED	1999	1998	%+/-
ANGUS	618,405	598,260	3.37%
SIMMENTAL	70,395	83,467	-15.66%
RED ANGUS	67,556	69,259	-2.46%
POLLED HEREFORD	46,778	52,284	-10.53%
BRAHMAN	20,589	23,524	-12.48%
CHAROLAIS	15,898	17,063	-6.83%
LIMOUSIN	14,144	15,174	-6.79%
GELBVIEWH	11,181	11,357	-1.55%
MAINE ANJOU	4,845	3,685	31.48%
HEREFORD	3,914	4,969	-21.23%
CHIANINA	1,930	1,944	-0.72%
SHORTHORN	1,902	1,814	4.85%
GYR	1,510	1,541	-2.01%
MURRAY GREY	1,507	155	872.26%
SCOTCH SHORTHORN	1,456	1,970	-26.09%
BRAHMAN (RED)	1,361	2,895	-52.99%
PIEDMONTESE	1,303	1,515	-13.99%
BELGIAN BLUE	1,302	1,472	-11.55%
BRANGUS (RED)	1,247	324	284.88%
LONGHORN	1,011	883	14.50%
OTHER BEEF (a)	10,148	13,696	-25.91%
TOTAL	<u>898,382</u>	<u>907,251</u>	<u>-0.98%</u>

(a) Other Beef includes: Blonde D'Aquit., Beefalo, Beefmaster, Barford, Brahmmental Simbrah, Brahmousin, Brangus, Braunvieh, ChiAngus, Chi-Maine, Devon, Devon (South), Dexter, Dutch Belted, Galloway, Indu-Brazil, Marchigiana, Nellore, Normande, Pinzgauer, Romagnola, Salers, Santa Gertrudis, Scotch Highland, Sena Tarentaise, Wagu, White Park and Misc. Beef.

BEEF SEMEN EXPORT SALES (1)
UNITS OF SEMEN

BREED	1999	1998	%+/-
RED ANGUS	307,149	361,165	-14.96%
ANGUS	238,911	161,398	48.03%
SIMMENTAL	51,564	98,251	-47.52%
POLLED HEREFORD	67,306	76,579	-12.11%
BRAHMAN	25,297	40,743	-37.91%
LIMOUSIN	20,443	36,242	-43.59%
CHAROLAIS	15,638	17,377	-10.01%
BELGIAN BLUE	6,200	10,840	-42.80%
GYR	3,685	7,155	-48.50%
BRANGUS (RED)	9,080	5,470	66.00%
GELBVIEH	6,099	5,045	20.89%
BRAUNVIEH	3,386	4,179	-18.98%
BRAHMAN (RED)	5,270	4,036	30.57%
BRANGUS	3,799	246	1444.31%
OTHER BEEF (b)	7,583	19,951	-61.99%
TOTAL	<u>771,410</u>	<u>848,677</u>	<u>-9.10%</u>

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

BEEF SEMEN EXPORT SALES (2)
 UNITS OF SEMEN

	<u>1999</u>	<u>1998</u>	<u>%+/-</u>
WORLD TOTAL	<u>771,059</u>	<u>847,355</u>	<u>-9.00%</u>

BEEF SEMEN EXPORT SALES (2)
 DOLLAR VALUE

	<u>1999</u>	<u>1998</u>	<u>%+/-</u>
WORLD TOTAL	<u>\$2,066,726</u>	<u>\$2,291,726</u>	<u>-9.82%</u>

IV46

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

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