

DOMESTIC DAIRY SEMEN SALES (1)

UNITS OF SEMEN

BREED	2024	2023	%+/-
HOLSTEIN	13,266,706	12,437,839	6.66%
JERSEY	2,096,909	2,193,228	-4.39%
DAIRY CROSSBREED	385,938	385,779	0.04%
R&W/RED HOLSTEIN	225,323	204,358	10.26%
HOLSTEIN-RED CARRIER	96,672	90,719	6.56%
BROWN SWISS	54,287	57,245	-5.17%
AYRSHIRE	23,148	21,938	5.52%
FLECKVIEH	12,751	10,598	20.32%
GUERNSEY	10,260	12,017	-14.62%
MILKING SHORTHORN	6,818	8,632	-21.01%
AMERICAN LINEBACK	1,738	1,769	-1.75%
HETEROSPERMIC DAIRY	1,543	1,251	23.34%
OTHER DAIRY	1,120	52,947	-97.88%
TOTAL	16,183,213	15,478,320	4.55%

*Heterospermic Dairy data reporting began in 2023

DAIRY SEMEN IMPORT SALES (1)

UNITS OF SEMEN

BREED	2024	2023	%+/-
NORWEGIAN RED	54,806	89,494	-38.76%
HOLSTEIN	12,795	31,543	-59.44%
MONTBELIARDE	9,296	15,366	-39.50%
DAIRY CROSSBREED	7,627	6,617	15.26%
HOLSTEIN RED CARRIER	6,675	2,968	124.90%
R&W/RED HOLSTEIN	5,459	4,132	32.12%
BROWN SWISS	1,872	10,821	-82.70%
JERSEY	1,515	1,695	-10.62%
OTHER DAIRY	976	6,967	-85.99%
TOTAL	101,021	169,603	-40.44%

CUSTOM FROZEN DAIRY SEMEN (1)

UNITS OF SEMEN

BREED	2024	2023	%+/-
HOLSTEIN	1,219,549	1,654,643	-26.30%
R&W/RED HOLSTEIN	198,830	0	
HOLSTEIN RED CARRIER	71,252	130,307	-45.32%
BROWN SWISS	61,470	68,172	-9.83%
JERSEY	34,523	59,774	-42.24%
GUERNSEY	27,425	21,987	24.73%
AMERICAN LINEBACK	11,410	13,602	-16.12%
MILKING SHORTHORN	9,646	10,430	-7.52%
AYRSHIRE	8,862	9,956	-10.99%
FLECKVIEH	3,098	7,350	-57.85%
OTHER DAIRY	1,075	11,295	-90.48%
TOTAL	1,647,140	1,987,516	-17.13%

DAIRY SEMEN EXPORT SALES (1)

UNITS OF SEMEN

BREED	2024	2023	%+/-
HOLSTEIN	28,581,496	27,103,066	5.45%
JERSEY	1,446,108	1,441,573	0.31%
R&W/RED HOLSTEIN	415,668	387,287	7.33%
BROWN SWISS	192,394	159,378	20.72%
HOLSTEIN-RED CARRIER	150,316	99,392	51.24%
AYRSHIRE	41,043	73,338	-44.04%
DAIRY CROSSBREED	18,259	10,369	76.09%
GUERNSEY	10,562	5,871	79.90%
OTHER DAIRY	227	4,140	-94.52%
TOTAL	<u>30,856,073</u>	<u>29,284,414</u>	<u>5.37%</u>

DAIRY SEMEN EXPORT SALES (2)

UNITS OF SEMEN

	2024	2023	%+/-
WORLD TOTAL	<u>31,972,922</u>	<u>31,211,828</u>	<u>2.44%</u>

DAIRY SEMEN EXPORT SALES (2)

DOLLAR VALUE

	2024	2023	%+/-
WORLD TOTAL	<u>\$301,778,202</u>	<u>\$287,226,175</u>	<u>5.07%</u>

DOMESTIC BEEF SEMEN SALES (1)

UNITS OF SEMEN

BREED	2024	2023	%+/-
ANGUS	4,707,826	4,670,695	0.79%
HETEROSPERMIC BEEF*	2,398,233	1,353,780	77.15%
SIMMENTAL	910,740	1,067,246	-14.66%
CHAROLAIS	597,753	680,648	-12.18%
CROSSBREED	586,789	856,131	-31.46%
LIMOUSIN	165,761	310,742	-46.66%
WAGYU	109,140	212,080	-48.54%
RED ANGUS	98,530	119,630	-17.64%
POLLED HEREFORD	93,891	84,116	11.62%
AMERICAN AKAUSHI	21,143	29,311	-27.87%
BRAHMAN	9,499	4,700	102.11%
SHORTHORN	3,733	3,503	6.57%
LOWLINE	3,702	15	24580.00%
HEREFORD (HORNED)	3,301	5,355	-38.36%
BRANGUS	3,068	3,071	-0.10%
GELBVIEWH	2,822	3,248	-13.12%
MAINE ANJOU	2,552	3,171	-19.52%
BELGIAN BLUE	2,131	748	184.89%
SPECKLE PARK	1,700	1,399	21.52%
CHI-MAINE	1,132	1,518	-25.43%
OTHER BEEF (a)	3,083	11,874	-74.04%
TOTAL	9,726,529	9,422,981	3.22%

(a) Other Beef includes: Ankina, Beefmaster, Blonde D'Aquit., Brahman (Red), Brangus (Red), Braunvieh, Chianina, Dutch Belted, Gyr, Hereford (Black), Salers, Santa Gertrudis, Scotch Highland, Scotch Shorthorn, Texas Longhorn, White Park and Misc. Beef.

*Heterospermic Beef data reporting began in 2023

BEEF SEMEN IMPORT SALES (1)

UNITS OF SEMEN

BREED	2024	2023	%+/-
BELGIAN BLUE	243	372	-34.68%
SIMMENTAL	84	12	600.00%
RED DANE	21	11	90.91%
OTHER BEEF (b)	30	397	-92.44%
TOTAL	378	792	-52.27%

(b) Other Beef includes: Angus, Braunvieh, Chi-Maine, Maine-Anjou, Shorthorn (Polled) and Misc. Beef

BEEF SEMEN EXPORT SALES (1)

UNITS OF SEMEN

BREED	2024	2023	%+/-
ANGUS	2,825,169	2,688,636	5.08%
CROSSBREED	722,787	365,633	97.68%
HETEROSPERMIC BEEF*	419,973	446,790	-6.00%
SIMMENTAL	268,779	305,478	-12.01%
RED ANGUS	206,685	200,412	3.13%
WAGYU	146,936	119,714	22.74%
BRANGUS	74,164	68,792	7.81%
POLLED HEREFORD	73,134	93,940	-22.15%
CHAROLAIS	70,713	49,346	43.30%
LIMOUSIN	33,934	26,715	27.02%
BRAHMAN	19,804	22,621	-12.45%
GYR	7,970	9,513	-16.22%
SENAPOL	5,460	6,652	-17.92%
BRAHMAN (RED)	4,771	48,975	-90.26%
BRANGUS (RED)	3,012	3,732	-19.29%
HEREFORD (HORNED)	2,768	3,987	-30.57%
SHORTHORN (POLLED)	1,394	930	49.89%
OTHER BEEF (c)	951	5,912	-83.91%
TOTAL	4,888,404	4,467,778	9.41%

(c) Other Beef includes: American Akaushi, Belgian Blue, Braunvieh, Chianina, Gelbvieh, Maine-Anjou, Murray Grey, Santa Gertrudis, Shorthorn (Scotch) and Misc. Beef.

*Heterospermic Beef data reporting began in 2023

BEEF SEMEN EXPORT SALES (2)

UNITS OF SEMEN

	2024	2023	%+/-
WORLD TOTAL	5,538,444	4,861,415	13.93%

BEEF SEMEN EXPORT SALES (2)

DOLLAR VALUE

	2024	2023	%+/-
WORLD TOTAL	\$23,818,349	\$19,263,234	23.65%

CUSTOM FROZEN BEEF SEMEN (1)

UNITS OF SEMEN

BREED	2023	2023	%+/-
ANGUS	2,131,815	1,848,026	15.36%
SIMMENTAL	751,693	673,450	11.62%
WAGYU	558,351	450,941	23.82%
LIMOUSIN	361,380	438,867	-17.66%
CHAROLAIS	233,124	304,829	-23.52%
CROSSBREED	206,864	625,686	-66.94%
RED ANGUS	148,094	160,911	-7.97%
HETEROSPERMIC BEEF*	136,586	11,932	1044.70%
POLLED HEREFORD	123,993	75,108	65.09%
BRANGUS	98,713	65,985	49.60%
MAINE-ANJOU	65,450	94,532	-30.76%
BEEFMASTER	62,869	55,792	12.68%
BRAHMAN	62,568	52,797	18.51%
BRAHMAN (RED)	52,678	44,089	19.48%
AMERICAN AKAUSHI	48,296	27,695	74.39%
GELBIEH	47,031	38,914	20.86%
HEREFORD (HORNED)	42,010	33,472	25.51%
SCOTCH HIGHLAND	29,175	20,610	41.56%
SHORTHORN	27,894	46,192	-39.61%
BRANGUS (RED)	24,968	2,403	939.03%
SHORTHORN (SCOTCH)	23,762	2,636	801.44%
SANTA GERTRUDIS	23,315	21,074	10.63%
MASHONA	22,092	14,338	54.08%
AMERICAN BUCKING BULL	19,798	13,023	52.02%
PIEDMONTESE	19,229	10,906	76.32%
CHI-MAINE	10,033	21,838	-54.06%
TEXAS LONGHORN	8,040	11,628	-30.86%
BLACK HEREFORD	6,637	9,068	-26.81%
SALERS	6,596	8,458	-22.01%
CHIANINA	6,268	13,210	-52.55%
SOUTH POLL	5,993	7,157	-16.26%
BONSMARA	3,905	305	1180.33%
GYR	3,901	1,542	152.98%
DUTCH BELTED	3,900	10,055	-61.21%
SIMBRAH	3,691	7,024	-47.45%
OTHER BEEF (d)	47,977	79,063	-39.32%
TOTAL	<u>5,428,689</u>	<u>5,303,556</u>	<u>2.36%</u>

(d) Other Beef includes: American Breed, Amerifax, Andole Watusi, Barzona, Beefalo, Beef Friesian, Belted Galloway, Braford, Braler, Braunvieh, British White, Buelingo, Chi-Angus, Corriente, Devon, Dexter, Galloway, Gelbray, Guzerat, Indu-Brazil, Irish Black, Lowline (Loala), Marchigiana, Murray Grey, Nellore, Romagnola, Senapol, South Devon, Tarentaise, Tuli, White Park, Yak and Misc. Beef.

*Heterospermic Beef data reporting began in 2023

(1) Based on Quarterly Reports of Semen Sold and Custom Frozen

(2) Based on Quarterly Survey of Semen Sold for Export