

## DOMESTIC DAIRY SEMEN SALES (1)

UNITS OF SEMEN

BREED	2015	2014	%+/-
HOLSTEIN	19,883,218	19,650,938	1.18%
JERSEY	3,050,136	2,960,434	3.03%
HOLSTEIN-RED CARRIER	302,910	231,157	31.04%
R&W/RED HOLSTEIN	240,740	316,688	-23.98%
BROWN SWISS	103,232	104,754	-1.45%
AYRSHIRE	41,217	40,327	2.21%
GUERNSEY	30,093	30,534	-1.44%
MILKING SHORTHORN	21,951	23,830	-7.89%
OTHER DAIRY	13,403	8,702	54.02%
TOTAL	<u>23,686,900</u>	<u>23,367,364</u>	<u>1.37%</u>

## DAIRY SEMEN IMPORT SALES (1)

UNITS OF SEMEN

BREED	2015	2014	%+/-
NORWEGIAN RED	100,616	98,169	2.49%
HOLSTEIN	44,028	92,890	-52.60%
MONTBELIARDE	32,096	29,735	7.94%
SWEDISH RED	26,677	22,861	16.69%
JERSEY	3,764	9,714	-61.25%
MILKING SHORTHORN	2,379	2,654	-10.36%
R&W/RED HOLSTEIN	764	8,966	-91.48%
HOLSTEIN-RED CARRIER	335	4,495	-92.55%
AYRSHIRE	40	380	-89.47%
OTHER DAIRY	92	2,501	-96.32%
TOTAL	<u>210,791</u>	<u>272,365</u>	<u>-22.61%</u>

## CUSTOM FROZEN DAIRY SEMEN (1)

UNITS OF SEMEN

BREED	2015	2014	%+/-
HOLSTEIN	1,463,620	1,770,507	-17.33%
HOLSTEIN-RED CARRIER	236,296	129,483	82.49%
JERSEY	193,771	373,445	-48.11%
BROWN SWISS	131,189	155,193	-15.47%
AYRSHIRE	19,359	2,006	865.05%
GUERNSEY	12,113	9,398	28.89%
MILKING SHORTHORN	6,187	2,370	161.05%
MONTBELIARDE	5,535	8,220	-32.66%
R&W/RED HOLSTEIN	2,489	26,113	-90.47%
OTHER DAIRY	7,485	7,248	3.27%
TOTAL	<u>2,078,044</u>	<u>2,483,983</u>	<u>-16.34%</u>

## DAIRY SEMEN EXPORT SALES (1)

UNITS OF SEMEN

BREED	2015	2014	%+/-
HOLSTEIN	16,862,583	17,924,655	-5.93%
JERSEY	1,196,773	1,355,247	-11.69%
R&W/RED HOLSTEIN	257,213	281,916	-8.76%
BROWN SWISS	210,172	215,212	-2.34%
HOLSTEIN-RED CARRIER	112,024	129,764	-13.67%
AYRSHIRE	55,076	89,589	-38.52%
GUERNSEY	9,188	11,780	-22.00%
MILKING SHORTHORN	3,190	5,145	-38.00%
OTHER DAIRY	662	1,351	-51.00%
TOTAL	<u>18,706,881</u>	<u>20,014,659</u>	<u>-6.53%</u>

## DAIRY SEMEN EXPORT SALES (2)

UNITS OF SEMEN

	2015	2014	%+/-
WORLD TOTAL	<u>18,919,791</u>	<u>19,677,211</u>	<u>-3.85%</u>

## DAIRY SEMEN EXPORT SALES (2)

DOLLAR VALUE

	2015	2014	%+/-
WORLD TOTAL	<u>\$157,173,466</u>	<u>\$160,335,016</u>	<u>-1.97%</u>

## DOMESTIC BEEF SEMEN SALES (1)

UNITS OF SEMEN

BREED	2015	2014	%+/-
ANGUS	1,722,590	1,517,977	13.48%
LIMOUSIN	296,753	153,701	93.07%
SIMMENTAL	261,300	208,243	25.48%
RED ANGUS	147,429	127,429	15.70%
POLLED HEREFORD	90,271	80,901	11.58%
HEREFORD	34,143	28,460	19.97%
GELBVIEH	29,625	12,519	136.64%
CHAROLAIS	14,850	16,962	-12.45%
MAINE ANJOU	12,388	11,915	3.97%
BRANGUS	6,151	6,150	0.02%
WAGYU	5,882	2,664	120.80%
BRAHMAN	5,191	6,434	-19.32%
CHIANINA	4,614	3,358	37.40%
SHORTHORN	3,793	4,125	-8.05%
RED BRAHMAN	1,833	748	145.05%
GYR	1,089	3,127	-65.17%
OTHER BEEF (a)	25,770	23,108	11.52%
TOTAL	<u>2,663,672</u>	<u>2,207,821</u>	<u>20.65%</u>

(a) Other Beef includes: Beefmaster, Belgian Blue, Belted Galloway, Black Hereford, Blonde D'Aquit., Brahmousin, Braunvieh, ChiAngus, Chi-Maine, Crossbreed, Devon, Dexter Dutch Belted, Galloway, Guzerat, Lowline (Loala), Murray Grey, Nellore, Normande, Parthenaise, Piedmontese, Pinzgauer, Red Brangus, Salers, Scotch Highland, Scotch Shorthorn, Senapol, South Devon, Texas Longhorn, White Park, and Misc. Beef.

## BEEF SEMEN IMPORT SALES (1)

UNITS OF SEMEN

BREED	2015	2014	%+/-
RED DANE	2,712	3,406	-20.38%
SIMMENTAL-FLECKVIEH	442	672	-34.23%
NORMANDE	105	272	-61.40%
PIEDMONTESE	400	10	3900.00%
MISC BEEF (a)	176	79	122.78%
TOTAL	<u>3,835</u>	<u>4,439</u>	<u>-13.61%</u>

(a) Misc Beef includes: Angus, Beef Friesian, Belgian Blue, Polled Hereford, Limousin, and Texas Longhorn.

## BEEF SEMEN EXPORT SALES (1)

UNITS OF SEMEN

<u>BREED</u>	<u>2015</u>	<u>2014</u>	<u>%+/-</u>
ANGUS	3,098,797	2,635,218	17.59%
RED ANGUS	301,652	318,293	-5.23%
SIMMENTAL	102,252	74,997	36.34%
BRANGUS	82,146	68,223	20.41%
POLLED HEREFORD	80,402	76,914	4.53%
BRAHMAN	58,009	49,791	16.50%
BRAHMAN (RED)	41,382	58,152	-28.84%
CHAROLAIS	28,444	49,324	-42.33%
BRANGUS (RED)	21,580	20,545	5.04%
LIMOUSIN	6,964	6,702	3.91%
GYR	6,819	10,398	-34.42%
HORNED HEREFORD	3,391	2,831	19.78%
WAGYU	1,846	450	310.22%
OTHER BEEF (b)	2,003	9,317	-78.50%
TOTAL	<u>3,835,687</u>	<u>3,381,155</u>	<u>13.44%</u>

(b) Other Beef includes: Beefmaster, Belgian Blue, Braunvieh, Chianina, Chi-Maine, Crossbreed, Galloway, Gelbvieh, Guzaret, Lowline (Loala), Maine-Anjou, Nellore, Normande, Piedmontese, Polled Shorthorn, Red Poll, Santa Gertrudis, Scotch Highland, Scotch Shorthorn, Senapol, Wagyu and Misc. Beef.

## BEEF SEMEN EXPORT SALES (2)

UNITS OF SEMEN

	<u>2015</u>	<u>2014</u>	<u>%+/-</u>
WORLD TOTAL	<u>3,829,205</u>	<u>3,375,051</u>	<u>13.46%</u>

## BEEF SEMEN EXPORT SALES (2)

DOLLAR VALUE

	<u>2015</u>	<u>2014</u>	<u>%+/-</u>
WORLD TOTAL	<u>\$13,229,448</u>	<u>\$12,793,415</u>	<u>3.41%</u>

## CUSTOM FROZEN BEEF SEMEN (1)

### UNITS OF SEMEN

BREED	2015	2014	%+/-
ANGUS	1,368,162	1,077,954	26.92%
SIMMENTAL	188,836	178,035	6.07%
LIMOUSIN	186,346	145,405	28.16%
RED ANGUS	161,432	138,853	16.26%
POLLED HEREFORD	104,038	105,435	-1.32%
CHAROLAIS	96,348	102,240	-5.76%
WAGYU	83,672	77,313	8.23%
MAINE ANJOU	71,149	126,205	-43.62%
HEREFORD	68,385	56,740	20.52%
BEEFMASTER	60,942	49,857	22.23%
GELBVIEWH	55,308	66,205	-16.46%
DUTCH BELTED	52,465	43,335	21.07%
BRAHMAN	42,906	55,737	-23.02%
BRANGUS	33,620	38,368	-12.37%
SHORTHORN	31,097	26,340	18.06%
AMERICAN BUCKING BULL	26,983	32,516	-17.02%
CHI-MAINE	20,313	10,663	90.50%
CHIANINA	17,611	28,422	-38.04%
TEXAS LONGHORN	16,935	12,009	41.02%
LOWLINE (LOALA)	16,019	15,190	5.46%
BRAFORD	9,906	3,648	171.55%
SANTA GERTRUDIS	9,054	8,815	2.71%
SIMBRAH	9,038	14,155	-36.15%
SHORTHORN (SCOTCH)	8,554	17,877	-52.15%
SOUTH DEVON	7,461	1,436	419.57%
AMERIFAX	7,347	0	0.00%
SALERS	5,958	7,975	-25.29%
BRAUNVIEWH	4,980	1,328	275.00%
BLACK HEREFORD	3,821	2,548	49.96%
RED BRANGUS	3,808	5,318	-28.39%
SENAPOL	3,643	14,816	-75.41%
RED POLL	3,408	2,709	25.80%
IRISH BLACK	3,039	330	820.91%
PIEDMONT	3,025	2,410	25.52%
MURRAY GREY	2,828	1,120	152.50%
GALLOWAY (BELTED)	2,472	2,412	2.49%
BRAHMAN (RED)	2,146	9,406	-77.18%
OTHER BEEF (c)	258,614	221,218	16.90%
TOTAL	<u>3,051,669</u>	<u>2,704,343</u>	<u>12.84%</u>

(c) Other Beef includes: American Breed, Ankole Watusi, Barzona, Beef Friesian, Beefalo, Belgian Blue, Bonsmara, Brahmousin, Braunvieh, British White, Buelingo, Chi-Angus, Corriente, Crossbreed, Devon, Dexter, Galloway, Gyr, Indu-Brazil, Mashona, Pinzgauer, Romagnola, Scotch Highland, Tarentaise, Tuli, White Park and Misc. Beef.

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

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