

AETA Data submitted to IETS

Language	English
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Table I : Number of embryo collections and embryos collected.

Year	2013
Embryo Team Name	AETA
Group	AETA

Region	N.America	Country	USA
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Species	Type	Total number of		
		Collections	Transferrable Embryos Collected	
Bovine	Dairy	16252		100479
In-vivo derived	Beef & other breeds	28433		201192
Bovine	All breeds	No. of donor cows	No. of oocytes	No. of transferrable embryos**
In-vitro produced	Ovum pickups	22046	416162	101502
	Abattoir*		Not reported	197
Water buffalo <i>Bubalis bubalis</i>	In-vivo derived	NA		NA
Sheep	In-vivo derived	53		237
Goats	In-vivo derived	100		770
Cervids	In-vivo derived	NA		NA
Horses	In-vivo derived	601		353
Swine	In-vivo derived	NA		NA
Others	In-vivo derived	NA		NA
Water buffalo <i>Bubalis bubalis</i>	In-vitro produced	NA	NA	NA
Sheep	In-vitro produced	NA	NA	NA
Goats	In-vitro produced	NA	NA	NA
Cervids	In-vitro produced	NA	NA	NA
Horses	In-vitro produced	NA	NA	NA
Swine	In-vitro produced	NA	NA	NA
Others	In-vitro produced	NA	NA	NA

Abattoir* - only record the oocytes and transferrable embryos used in commerce, not for research purposes.
** Only include embryos produced for commerce, not research
*** An OPU session is considered a collection

Table II : Numbers of embryo transferred and exported.

Species	Type	Total number of			Exports
		Fresh	Frozen		
			Domestic Origin	Foreign origin	
Bovine In-vivo derived	Dairy	42771	32968	NA	10993
	Beef & other breeds	43105	96825	NA	4903
Bovine In-vitro produced	Ovum pickups	47845	12310	NA	NA
	Abattoir*	197	0	NA	NA
	in vitro produced				
Water buffalo <i>Bubalis bubalis</i>	In-vivo derived	NA	NA	NA	NA
Sheep	In-vivo derived	214	43	NA	NA
Goats	In-vivo derived	682	6	NA	NA
Cervids	In-vivo derived	NA	A	NA	NA
Horses	In-vivo derived	337	9	NA	NA
Swine	In-vivo derived	NA	NA	NA	NA
Others	In-vivo derived	NA	NA	NA	NA
Water buffalo <i>Bubalis bubalis</i>	In-vitro produced	NA	NA	NA	NA
Sheep	In-vitro produced	NA	NA	NA	NA
Goats	In-vitro produced	NA	NA	NA	NA
Cervids	In-vitro produced	NA	NA	NA	NA
Horses	In-vitro produced	NA	NA	NA	NA
Swine	In-vitro produced	NA	NA	NA	NA
Others	In-vitro produced	NA	NA	NA	NA

Abattoir* - only record the oocytes and transferrable embryos used in commerce, not for research purposes.

Table 1: 2013 Bovine in vivo Embryo Production

Animal Data			Collection data							Transfer data			Manipulated	
Species	Breed type	Semen Type	# of Collections	Total Ova	Total Viable Embryos	Average Ova	Average Viable	% Viable	Frozen	Fresh	Frozen	Total	Biopsied	Bisected
Bovine	Beef	non-sorted	27,555	350,578	196,031	12.7	7.1	55.9%	153,633	41,674	95,870	137,544	232	115
		sex-sorted	878	20,584	5,161	23.4	5.9	25.1%	3,726	1,431	955	2,386	0	0
		Subtotal	28,433	371,162	201,192	13.1	7.1	54.2%	157,359	43,105	96,825	139,930	232	115
Bovine	Dairy	non-sorted	15,328	159,343	96,530	10.4	6.3	60.6%	55,154	41,798	32,145	73,943	0	0
		sex-sorted	924	9,751	3,949	10.6	4.3	40.5%	3,012	973	823	1,796	0	1
		Subtotal	16,252	169,094	100,479	10.4	6.2	59.4%	58,166	42,771	32,968	75,739	0	1
Total			44,685	540,256	301,671	12.1	6.8	55.8%	215,525	85,876	129,793	215,669	232	116

Table 2: 2013 Bovine in vivo Produced Embryos by Region

Animal Data			Collection data							Transfer data			Manipulated	
Species	Breed Type	Region	# of Collections	Total Ova	Total Viable Embryos	Average Ova	Average Viable	% Viable	Frozen	Fresh	Frozen	Total Transfers	Biopsied	Bisected
Bovine	Beef	NE	2,158	30,660	14,765	14.2	6.8	48.2%	11,956	2,858	5,277	8,135	0	0
		NC	10,392	130,795	75,540	12.6	7.3	57.8%	65,668	9,714	44,381	54,095	0	0
		NW	1,630	19,630	11,526	12.0	7.1	58.7%	8,928	2,566	6,360	8,926	0	0
		SE	4,583	61,341	33,577	13.4	7.3	54.7%	23,543	10,026	13,139	23,165	0	0
		SC	8,323	113,975	56,612	13.7	6.8	49.7%	40,125	15,908	23,202	39,110	232	115
		SW	1,274	14,031	8,651	11.0	6.8	61.7%	6,798	1,853	3,773	5,626	0	0
		Total	28,360	370,432	200,671	13.1	7.1	54.2%	157,018	42,925	96,132	139,057	232	115
Bovine	Dairy	NE	4,685	49,011	28,266	10.5	6.0	57.7%	14,988	13,219	8,581	21,800	0	0
		NC	8,973	91,658	56,780	10.2	6.3	61.9%	35,823	21,635	20,598	42,233	0	0
		NW	398	4,805	2,757	12.1	6.9	57.4%	927	1,662	695	2,357	0	0
		SE	996	10,155	6,052	10.2	6.1	59.6%	3,803	2,234	1,017	3,251	0	1
		SC	276	2,331	1,073	8.4	3.9	46.0%	741	227	435	662	0	0
		SW	924	11,134	5,551	12.0	6.0	49.9%	1,884	3,794	1,642	5,436	0	0
		Total	16,252	169,094	100,479	10.4	6.2	59.4%	58,166	42,771	32,968	75,739	0	1
Total	44,612	539,526	301,150	12.1	6.8	55.8%	215,184	85,696	129,100	214,796	232	116		

Table 3: 2013 Bovine in vitro Embryo Production

Animal Data			Embryo production							Transfers	
Species	Breed Type	Oocyte Source	OPUs	Total oocytes	Total Viable Embryos	Ave Oocytes	Ave Viable	% Viable	Frozen	Fresh	Frozen
Bovine	Beef	OPU	9244	209210	48112	22.6	5.2	23.0%	26366	18326	7949
		Abattoir	0	0	0	0	0	0	0	0	0
Bovine	Dairy	OPU	12802	206952	53390	16.2	4.2	25.8%	8286	29519	4361
		Abattoir	0	0	0	0	0	0	0	197	0
Total			22046	416162	101502	18.9	4.6	24.4%	34652	47845	12310

Table 4: 2013 Other speices in vivo Embryo Production

Table 4: 2013 Other speices in vivo Embryo Production											
Collection Data								Transfer data		Manipulated	
Species	Collections	Total ova	Total Viable Embryos	Average Ova	Average Viable	% Viable	Frozen	Transferred Fresh	Transferred Frozen	Biopsied	Bisected
caprine	100	1097	770	11.0	7.7	70.2%	88	682	6	0	0
equine	601	366	353	0.6	0.6	96.4%	19	337	9	0	0
ovine	53	610	237	11.5	4.5	38.9%	23	214	43	0	0