



LIVESTOCK STATISTICAL BULLETIN 2013



Department of Animal Production and Health

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PREFACE

In the development arena maintaining data bases are extremely important. It is a necessity for sound planning and policy formulation pertaining to the sector.

With the rapid growth of the livestock industry it has become obligatory to compile, analyze and maintain livestock statistics for easy reference and for usage.

Livestock Planning and Economics (LPE) division of the Department of Animal Production and Health (DAPH) is maintaining a comprehensive database on to facilitate livestock sector development in the country . In this background the division of LPE in DAPH collects data from it's smallest service delivery unit spread all over the country called "*government veterinary office* " in regular basis on animal population, livestock production, marketing etc.. Further the division obtains data from various other sources on imports, exports, prices etc...

On this objective Chief Economist (Livestock) of LPE Division was given a task to analyze, compile and to make interpretations on data gathered from all the veterinary ranges and other relevant organizations annually. Ultimately, it has come out as a DAPH publication as **Livestock Information Bulletin- 2011 for the first time**. It has been updated with the year 2012 data and republished in this year.

I am thankful to Dr (Mrs) K.A.C.H.A.Kothalawala Livestock Economist (Livestock) of D/LPE who worked very hard to collect and analyze data and to bring out this as "**Livestock Statistical Bulletin** " in an attractive manner for year 2013. The invaluable contribution made by her to make this a success is placed on record with appreciation.

At the same time I would like to extend my gratitude to the Livestock Development Instructors those who made their tireless effort to collect data from grass root level with the similar appreciation to government veterinary surgeons those who guided and supervised the process very cautiously. All the provincial directors and other officials those who contributed are well appreciated in this process.

All the other data providers are equally acknowledged since this will not be a reality without their priceless contribution.

I am also thankful to Dr. K.D. Ariyapala (Head /Livestock Planning and Economics) for guidance given in this work.

I hope that this publication will be immensely useful for policy makers, planners, and stakeholders of the livestock industry.

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EXECUTIVE SUMMARY

The livestock sector draws significant consideration Sri Lanka at present . Future planning based on forecasting is an obligation for further development of the Industry. In this scenario data pertaining to the livestock sector are necessary to be collected, analyzed and used for interpretations.

The data for year 2013 shows that the number of cattle farms has been increased compared to previous year. The increase is manifested by 12.3% growth in cattle farms and 5.49% growth in buffalo farms compared to 2012. In contrast to the number of farms, cattle and buffalo population shows slight increase in last year. The total milk production in 2013 has increased by 13.5% compared to 2012 .The cow milk production has increased by about 16.23% and buffalo milk production has increased by 2.1 % . Despite the significant growth in the milk production formal milk collection has increased only by 10.1 % in 2013 compared to 2012. The comparative slow growth in formal milk collection could be explained by expansion of informal sector thereby increased fresh milk consumption compared to year 2012 due to recent issues on quality of powdered milk. Powdered milk and milk products imports have been decreased by 17.14 % . Even though the annual per-capita availability (43.2 l) of milk has decreased marginally with issues , the dairy sector of the country has come up with special interest with policy initiatives of the government.

According to the available data chicken meat production has increased by 5 % whereas the egg production has decreased by 8.95 % in year 2013 compared to 2012. The commercial poultry feed production has also increased by 6% % to support the expansion of the industry. The per capita availability of chicken meat has increased from 6.68 kg in 2012 to 7.14 kg in 2013. The per capita availability of eggs has been decreased from 112.27 eggs in 2012 to 102.6 eggs in 2013. The availability of broiler day old chicks in year 2013 has increased by 11.34 % and the production of layer day old chicks was decreased by 5.26 %

Goat production is recognized as a traditional form of livestock production among farmers especially in the dry zone. Out of the total (408787) goat population main part is concentrated in the dry and intermediate zones and almost 75% of goat population is located in those zones. The mutton which is the main output of goat

industry is around 1.8 (000) MT resulting per capita consumption of 0.11 kg /year in year 2013.

The beef production has not increased significantly and per capita availability is around 1.7 kg/year in 2013.

Swine production is mainly concentrated in western coastal belt of Sri Lanka. Out of total population of 89334, around 77 % percent of pigs are reared by Western and North Western provinces of the country. The number of farms has increased by 11.83 % compared to year 2012. The annual swine meat production is 7.1 (000) MT resulting per capita consumption of 0.32 kg/year in year 2013.

INTRODUCTION

Livestock is mainly a rural livelihood activity which utilize idling labour, underutilized agricultural by products ,marginal lands in turn improves the nutritional status of rural population. Over seventy percent of the households earn their secondary income through livestock and nearly 20 % of the rural families solely depend on livestock for their livelihood. There is a strong symbiotic relationship between the crop and livestock and exploiting the synergies of the two sub-sectors of crop and livestock helps to enhance the productivity of the agriculture economy of Sri Lanka.

The contribution of agriculture component is 11.1 % in 2012 (Annual Report, Central Bank , 2012), and the livestock sector contribution is recorded as 0.8 % to the total national GDP .

The consumption of livestock produce has increased dramatically over the last two decades with the increase of per capita income and urbanization. Livestock produce, while helping to improve the nutrition status of the population, offers many possibilities for value addition and converting them into numerous high value products. Furthermore, the livestock industry complements other industries such as tanneries and blacksmiths. Livestock production also contributes to the energy needs by way of biogas. Domestic biogas units associated with cattle farming and pig farming have proven as successful sources of alternate energy for many domestic energy needs in rural Sri Lanka. These characteristics and the labour intensive nature of many livestock operations, under Sri Lanka conditions, can therefore be effectively harnessed for rural employment creation, livelihood improvement and poverty alleviation initiatives.

Dairy Sector

Dairy farming has been a practice from pre historic era among rural people in rural Sri Lanka. Traditionally dairy animals have performed multiple functions of producing milk for household consumption, males as a media of transportation and dung as organic fertilizer and fuel. They may act as a capital reserve and provide employment to help farmers over lean periods, and give greater income stability. Presently, it is one of the major employments for rural poor. Dairy animals generate

a continuous flow of income and act as a cushion against income shocks arising due to crop failure for resource poor people. Milk is a 'cash crop' for smallholders, converting low value agricultural byproducts, crop residues and cheap family labor into a value added market commodity (Taneja and Birthal, 2005). Regular milk sales allow them to move from subsistence to earning a market-based income. Presently dairy sector is considered as the most important of all livestock sub sectors. Small-scale dairying is predominant in the country. Its efficiency as an integrated farming system provides financial health and social securities to thousands of rural dwellers in Sri Lanka.

Though the part of milk and dairy requirement is still depending on imports, dairy sector has shown significant development in the country for last two years. Of the total milk that is available, the volume of milk entering the formal milk market in 2012 was around 183.6 million liters and the rest is channeled via informal routes and also consumed domestically.

Imports of milk and milk products too have shown a growth despite the increased international milk prices. The milk imports (liquid milk equivalent of milk and milk products) have decreased nearly by 4 % in 2012. Despite the decreased milk imports per capita consumption of milk has gone up to 46.18 in year 2012 from 43.8 in 2011 due to increased local production.

Poultry Sector

Poultry industry has shown a significant difference after 1977 with economic reforms in Sri Lanka. Since 1980 poultry population has grown from 6.3 million to 15.72 million in 2012. The per capita consumption of chicken meat and egg had changed from 100 g and 38 eggs in 1980 to 5.98 kg and 102 eggs in 2013. It has increased up to 112 eggs per year in 2012. The poultry production is in private hands with forward contracts for input supplying and marketing mainly in small scale broiler production. Therefore, small scale rural farmers get their inputs at doorstep and have to market their products at pre agreed price. The consumption needs of poultry products are totally supplied by domestic enterprises.

Goat Sector

Goat production is a common small animal production mainly comprises of intensive, semi intensive management systems. In both system animals are reared primarily for mutton though some does are also milked and the milk is sold. Goat milk is becoming popular due to its merit in contributing to health benefits and therefore rearing dairy goats under intensive management is becoming popular since recent past.

Swine Sector

Pig production is mainly concentrated in the costal belt of Western and North-Western provinces of Sri Lanka. The swine population has remained static over the decade. Highly commercialized large scale farms with three way crosses (Landrace, Large white and Duroc), middle scale intensive farms and semi intensive back yard farms with crosses of indigenous pigs produce animals for pork industry in the country.

All these subsector are developed with guidance of the livestock master plan which is the development frame work for the industry for the future.

Data collection and dissemination is a requirement for proper development plans of the Industry in future. In this situation data related to livestock sector is necessary to be collected , analyzed ,make interpretations and dissemination to the uses. The objective of this document is to compile and disseminate the collected data for future planning of the sector.

METHODOLOGY

Data was collected in January to December , 2013 from 305 veterinary ranges on animal population (cattle, buffaloes, goat/sheep, and swine), number of farms, management systems, milk production, formal milk collection, informal milk collection, slaughter houses, number of animals slaughtered, etc.....

Further, data has been collected from milk collecting agencies, milk cooperatives on milk collection, collecting points, chilling capacities etc..... Data pertaining to meat production was collected from local authorities and Municipalities,

Data on poultry population, chicken meat production and egg production was taken using breeder farm monthly return. Data on milk, meat imports and exports were taken from Sri Lanka customs, Quarantine station of DAPH. The prices of livestock products (*farm gate, whole sale and retail*) and inputs were collected by the division of livestock planning and economics division. Data on feed production is collected from division of veterinary regulatory affairs of DAPH.

The data have been analyzed for economic indicators, and trends in the economic unit of the LPE division.

Chapter 1- Livestock Farms

1.1 Number of registered livestock farms -2013

Province	Cattle	Buffalo	Goat	Sheep	Swine	Poultry	
						Comm.	Backyard
Western	17,802	2,336	3,189	7	3,903	2,671	19,963
Central	32,340	2,389	4,341	18	762	2,318	9,216
Southern	17,123	4,048	1,409	6	139	1,347	9,827
Northern	31,934	370	9,422	50	6	2,576	16,837
Eastern	39,514	5,145	5,879	65	46	4,123	26,774
North western	46,248	3,117	3,782	91	4,745	6,371	11,423
North central	34,141	2,060	2,817	5	539	1,673	10,716
Uva	44,221	741	584	35	156	1,014	6,817
Sabaragamuwa	10,325	2,135	3,602	27	247	1,768	5,786
Sri Lanka	273,648	22,342	35,025	302	10,543	23,861	117,359

Chapter 2. Livestock Population by Districts

2.1 Cattle population distribution by districts -2013

Province	District	Milking *	Cows		Young female animals		Male animals		Total Population
			Not Milking* *	Other cows***	Heifers	Calves	Adults	Calves	
Western	Colombo	2,950	2,908	930	1,474	1,471	518	1,257	11,508
	Gampaha	6,276	8,226	1,139	4,945	2,481	995	3,533	27,595
	Kalutara	3,827	4,834	996	1,801	997	464	997	13,915
	Sub total	13,053	15,968	3,065	8,219	4,948	1,977	5,787	53,018
Central	Kandy	8,049	7,048	1,137	5,514	995	2,026	1,493	26,261
	Matale	3,482	5,479	1,465	4,299	1,471	1,210	2,814	20,219
	Nuwara Eliya	6,006	7,338	1,226	7,975	2,817	2,185	2,649	30,196
	Sub total	17,538	19,865	3,828	17,787	5,282	5,421	6,956	76,676
Southern	Galle	1,244	2,312	874	2,522	1,830	1,876	756	11,414
	Matara	1,412	1,160	324	2,825	1,468	1,354	832	9,376
	Hambantota	10,012	7,896	3,722	5,950	4,769	2,622	3,591	38,562
	Sub total	12,668	11,369	4,920	11,297	8,067	5,852	5,179	59,352
Northern	Jaffna	23,430	21,584	8,190	11,571	7,534	6,150	7,489	86,047
	Kilinochchi	4,930	3,840	11,571	7,354	3,176	3,230	3,157	37,288
	Mannar	6,361	8,975	5,130	4,644	5,950	6,490	6,038	43,658
	Vavunia	8,290	8,608	9,046	6,206	7,039	6,299	4,615	50,103
	Mullaitive	11,945	10,247	7,287	4,770	2,269	8,535	6,320	51,474
Eastern	Sub total	54,956	53,255	41,223	34,545	25,968	30,704	27,618	268,570
	Batticaloa	22,683	3,883	10,347	15,644	17,631	10,347	13,781	94,317
	Ampara	15,277	28,663	11,574	16,624	15,583	5,533	8,832	102,186
	Trincomalee	14,250	21,622	11,574	9,883	11,899	2,503	8,542	80,321
	Sub total	52,210	54,168	33,495	42,150	45,113	18,383	31,155	276,824
North western	Kurunrgala	21,671	28,742	16,624	18,031	11,571	6,524	18,072	121,232
	Puttalam	14,286	13,699	11,574	12,076	7,527	4,018	7,974	71,152
	Sub total	35,957	42,440	28,197	30,106	19,097	10,541	26,046	192,385
North central	Anuradhapura	39,514	32,107	22,007	14,715	9,046	6,944	7,014	131,346
	Polonnaruwa	6,523	11,571	8,883	7,974	7,197	5,746	4,615	52,508
	Sub total	46,037	43,677	30,890	22,689	16,243	12,690	11,629	183,854
Uva	Badulla	6,165	21,535	7,974	4,635	8,541	11,487	5,890	66,226
	Monaragala	7,025	10,503	9,883	8,206	7,534	11,495	8,810	63,513
	Sub total	13,190	32,038	17,857	12,841	16,074	22,982	14,700	129,740
Sabaraga muwa	Ratnapura	1,370	3,246	793	2,484	888	2,481	1,612	12,872
	Kegalle	2,460	3,461	1,257	2,166	551	964	888	11,748
	Sub total	3,830	6,707	2,050	4,650	1,439	3,444	2,500	24,620
Sri Lanka	Total	249,439	279,486	165,525	184,285	142,231	111,993	131,571	1,265,039

* Milking at present

** Not milking(dry) at present

*** Other (infertile/aged) cows

2.2 Buffalo population distribution by districts -2013

Province	District	Cows			Young Female animals		Male animals		Total Population
		Milking*	Not milking**	Other cows***	Heifers	Calves	Adults	Calves	
Western	Colombo	2,262	2,183	947	1254	456	740	361	8,203
	Gampaha	3,445	3,012	1160	2210	1203	325	1300	12,655
	Kalutara	4,520	3,986	2260	4240	1248	970	884	18,108
	Sub total	10,227	9,181	4,367	7,704	2,907	2,035	2,545	38,966
Central	Kandy	1,390	1,735	195	1985	1010	393	661	7,369
	Matale	2,621	1,795	945	1571	945	947	641	9,465
	Nuwara Eliya	699	545	91	590	218	289	301	2,733
	Sub total	4,710	4,075	1,231	4,146	2,173	1,629	1,603	19,567
Southern	Galle	3,633	2,920	701	1455	1040	999	1971	12,719
	Matara	1,275	1,010	230	1090	815	401	460	5,281
	Hambantota	11,798	8,162	3910	6790	4901	3068	3970	42,599
	Sub total	16,706	12,092	4,841	9,335	6,756	4,468	6,401	60,599
Northern	Jaffna	0	0	0	0	0	0	0	0
	Kilinochchi	175	135	115	75	80	47	85	712
	Mannar	849	350	401	292	470	597	420	3,379
	Vavuniya	893	569	345	380	375	251	145	2,958
	Mullaitive	805	580	220	427	352	2004	602	4,990
	Sub total	2,722	1,634	1,081	1,174	1,277	2,899	1,252	12,039
Eastern	Batticaloa	12,667	12,559	6276	6151	6816	4560	4472	53,501
	Ampara	12,331	6,753	2866	6325	6345	1200	5900	41,720
	Trincomalee	14,822	7,905	7301	8215	8640	3941	5465	56,289
	Sub total	39,820	27,217	16,443	20,691	21,801	9,701	15,837	151,510
North western	Kurunrgala	9,830	8,006	4400	11435	2288	2025	2388	40,372
	Puttalam	1,812	1,945	2416	1252	1187	745	830	10,187
	Sub total	11,642	9,951	6,816	12,687	3,475	2,770	3,218	50,559
North central	Anuradhapura	9,578	7,363	2460	16506	8494	3190	8436	56,027
	Polonnaruwa	6,345	3,196	4102	6840	3592	2634	3552	30,261
	Sub total	15,923	10,559	6,562	23,346	12,086	5,824	11,988	86,288
Uva	Badulla	331	172	178	306	224	325	180	1,716
	Monaragala	10,725	8,320	1322	5632	5206	3145	3411	37,761
	Sub total	11,056	8,492	1,500	5,938	5,430	3,470	3,591	39,477
Sabaraga muwa	Ratnapura	2,160	980	554	2486	1701	1306	1756	10,943
	Kegalle	525	519	565	989	379	640	346	3,963
	Sub total	2,685	1,499	1,119	3,475	2,080	1,946	2,102	14,906
Sri Lanka	Total	115,491	84,700	43,960	88,496	57,985	34,742	48,537	473,911

* Milking at present

** Not milking(dry) at present

*** Other (infertile/aged) cows

2.3 Goat population distribution by districts -2013

Province	District	Population
Western	Colombo	3,507
	Gampaha	11,409
	Kalutara	9,756
	Sub total	24,672
Central	Kandy	17,720
	Matale	10,182
	Nuwara Eliya	9,633
	Sub total	37,535
Southern	Galle	4,074
	Matara	3,137
	Hambantota	6,742
	Sub total	13,954
Northern	Jaffna	76,918
	Kilinochchi	13,938
	Mannar	10,717
	Vavunia	10,503
	Mullaitive	919
	Sub total	112,995
Eastern	Batticaloa	30,622
	Ampara	17,869
	Trincomalee	18,868
	Sub total	67,359
North western	Kurunrgala	34,171
	Puttalam	35,317
	Sub total	69,488
North central	Anuradhapura	36,479
	Polonnaruwa	11,526
	Sub total	48,005
Uva	Badulla	16,484
	Monaragala	5,380
	Sub total	21,864
Sabaragamuwa	Ratnapura	6,100
	Kegalle	6,814
	Sub total	12,914
Sri Lanka	Total	408,787

2.4. Swine population distribution -2013

Province	District	Population
Western	Colombo	11096
	Gampaha	21298
	Kalutara	2008
	Sub total	34402
Central	Kandy	466
	Matale	2741
	Nuwara Eliya	408
	Sub total	3615
Southern	Galle	1024
	Matara	90
	Hambantota	819
	Sub total	1933
Northern	Jaffna	0
	Kilinochchi	0
	Mannar	34
	Vavunia	214
	Mullaitive	0
	Sub total	248
Eastern	Batticaloa	45
	Ampara	352
	Trincomalee	249
	Sub total	646
North western	Kurunrgala	14582
	Puttalam	19999
	Sub total	34581
North central	Anuradhapura	7293
	Polonnaruwa	2247
	Sub total	9540
Uva	Badulla	1184
	Monaragala	1238
	Sub total	2422
Sabaragamuwa	Ratnapura	942
	Kegalle	1005
	Sub total	1947
Sri Lanka	Total	89,334

2.5 Poultry population - 2013

Category	Number (million)
Grand parents and parents	
Grand parents (Broiler)	0.04
Broiler Parents	1.13
Layer parents	0.11
Commercial poultry	
Broiler	8.00
Layer	5.74
Backyard	1.24
Total	16.26

Chapter 3. Meat and Egg Production

3.1 Chicken Meat, Eggs and Pork production -2013

Item	Quantity
<i>Chicken meat and Eggs</i>	
Chicken meat (000 MT)	144.54
Egg production (Mil)	2074.94
Pork production (000MT)	7.04

Meat based value added production -2013

Item	Quantity
Chicken Sausages (MT)	6232.12
Chicken Meat Balls (MT)	822.84
Other further processed chicken (MT)	1828.45
Total Chicken meat based products (MT)	8883.41
Pork products (MT)	940.85
Beef products (MT)	177.69
Mutton products (MT)	36.05

3.2 Day old broiler chick production (million)

	J	F	M	A	M	J	J	A	S	O	N	D	Total	
Forecast (2012)		8.13	8.52	8.55	8.47	8.67	8.66	8.84	9.20	9.54	9.62	9.64	9.76	107.60
Actual (2012)		9.07	8.49	10.02	8.75	9.30	9.32	9.74	9.37	8.66	9.35	8.98	8.78	109.83
Forecast (2013)		10.15	10.20	10.13	9.77	9.59	9.15	8.91	8.51	8.46	8.16	7.88	8.16	109.07
Actual (2013)		9.08	8.92	10.25	9.29	9.36	9.53	9.38	9.15	8.86	8.91	9.20	8.78	110.71

Day old pullet production (million)

	J	F	M	A	M	J	J	A	S	O	N	D	Total	
Forecast (2012)		0.75	0.72	0.65	0.72	0.82	0.79	0.83	0.78	0.76	0.70	0.65	0.60	8.76
Actual (2012)		0.81	0.69	0.87	0.78	0.72	0.69	0.83	0.69	0.50	0.44	0.38	0.39	7.79
Forecast(2013)		0.57	0.46	0.54	0.50	0.52	0.49	0.48	0.45	0.49	0.54	0.59	0.61	6.23
Actual (2013)		0.45	0.44	0.56	0.66	0.59	0.59	0.63	0.69	0.70	0.71	0.64	0.72	7.38

3.3 Beef and Mutton Production by districts -2013

Province	District	Beef (Kg)	Mutton(Kg)
Western	Colombo	78,105	1,232,624
	Gampaha	1,106,830	6,554
	Kalutara	438,175	4087
	Sub total	1,623,110	1,243,265
Central	Kandy	758,512	98406
	Matale	1,118,990	4453
	Nuwara Eliya	976,250	15369
	Sub total	2,853,752	118,228
Southern	Galle	146,617	5500
	Matara	344,825	4590
	Hambantota	442,065	5101
	Sub total	933,507	15,191
Northern	Jaffna	2,047,519	148512
	Kilinochchi	640,690	548
	Mannar	1,263,650	1500
	Vavunia	2,155,645	6417
	Mullaitive	91,750	3000
	Sub total	6,199,254	159,977
Eastern	Batticaloa	5,600,475	118526
	Ampara	3,518,003	21672
	Trincomalee	3,830,277	15207
	Sub total	12,948,755	155,405
North western	Kurunrgala	3,086,228	22789
	Puttalam	2,172,716	37293
	Sub total	5,258,944	60,082
North central	Anuradhapura	1,885,002	4476
	Polonnaruwa	200,491	3500
	Sub total	2,085,493	7,976
Uva	Badulla	919,950	51978
	Monaragala	695,342	10365
	Sub total	1,615,292	62,343
Sabaragamuwa	Ratnapura	238,983	10619
	Kegalle	154,224	10500
	Sub total	393,207	21,119
Sri Lanka	Total (kg)	33,911,314	1,843,586
Sri Lanka	Total (000 MT)	33.91	1.80

Chapter 4. Milk Production and Collection

4.1 Milk production by districts -2013

Province	District	Cow milk	Buffalo milk	Total
Western	Colombo	4,287,580.66	1,160,462.89	5,548,043.56
	Gampaha	10,215,368.60	4,263,860.36	14,479,228.96
	Kalutara	5,157,717.42	1,523,547.28	6,781,264.70
	Sub total	19,660,666.68	6,947,870.54	26,608,537.21
Central	Kandy	25,864,643.02	108,671.04	25,923,314.05
	Matale	12,599,363.14	225,212.86	12,822,576.00
	Nuwara Eliya	66,941,550.00	108,405.16	64,949,955.16
	Sub total	105,405,556.15	442,289.06	105,847,845.21
Southern	Galle	3,611,492.46	1,627,078.89	4,948,571.35
	Matara	2,388,888.30	2,815,833.17	3,404,721.47
	Hambantota	5,905,006.18	9,719,839.62	13,324,845.80
	Sub total	11,905,386.94	14,162,751.68	26,068,138.62
Northern	Jaffna	7,358,282.18	-	7,358,282.18
	Kilinochchi	1,690,928.78	-	1,690,928.78
	Mannar	3,182,092.43	42,191.44	3,224,283.86
	Vavunyia	4,188,721.92	13,728.04	4,202,449.97
	Mullaitive	1,696,235.37	160,204.92	1,805,440.29
	Sub total	18,116,260.69	216,124.40	18,332,385.09
Eastern	Batticaloa	12,198,009.85	7,044,598.72	19,242,608.57
	Ampara	15,958,970.88	6,929,783.26	22,888,754.14
	Trincomalee	9,687,160.14	3,626,166.00	13,313,326.15
	Sub total	37,844,140.87	17,600,547.99	55,444,688.86
North western	Kurunrgala	40,261,745.02	10,073,758.99	47,835,504.01
	Puttalam	12,739,951.26	3,608,598.57	16,348,549.83
	Sub total	53,001,696.29	13,682,357.56	66,684,053.85
North central	Anuradhapura	17,486,472.34	7,196,211.92	24,482,684.26
	Polonnaruwa	5,758,405.43	4,005,261.23	8,063,666.66
	Sub total	23,244,877.76	11,201,473.15	34,446,350.92
Uva	Badulla	26,361,021.19	1,060,901.56	27,421,922.75
	Monaragala	11,800,935.85	1,232,741.58	13,733,677.43
	Sub total	38,161,957.04	2,293,643.14	40,455,600.18
Sabaragamuwa	Ratnapura	3,214,924.81	951,571.58	3,966,496.40
	Kegalle	3,249,117.02	60,423.10	3,309,540.12
		6,464,041.83	1,011,994.69	7,476,036.51
Sri Lanka	Total	313,804,584.25	67,559,052.20	381,363,636.44

4.2 Milk collection and chilling capacity in main collecting agencies 2013

Province	District	No of Chilling Centres	Chilling Capacity Lts.	Milk Collection Lts.
Western	Colombo	3	7,900	3,580,407
	Gampaha	11	30,190	8,590,614
	Kalutara	8	7,050	1,866,820
Sub Total		22	45,140	14,037,841
Central	Kandy	16	70,500	18,028,799
	Matale	9	30,450	9,120,599
	Nuwara-Eliya	32	100,940	34,712,106
Sub Total		57	201,890	61,861,504
Southern	Galle	3	8,500	992,232
	Hambantota	2	3,000	942,072
	Matara	3	19,900	930,766
Sub Total		8	31,400	2,865,070
North Central	Anuradhapura	34	87,500	16,971,803
	Polonnaruwa	5	10,400	8,513,298
	Sub Total	39	97,900	25,485,101
North Western	Kurunegala	31	81,850	30,494,879
	Puttlam	15	32,950	11,004,784
	Sub Total	46	114,800	41,499,663
Northern	Jaffna	-	-	2,122,393
	Kilinochchi	-	-	906,892
	Mannar	3	6,700	1,095,174
	Mullaitivu	2	3,000	1,250,378
	Vavuniya	2	7,500	1,927,614
Sub Total		7	17,200	7,302,451
Eastern	Ampara	10	33,573	7,882,969
	Batticaloa	11	45,200	7,696,391
	Trincomalee	5	12,600	2,630,296
Sub Total		26	91,373	18,209,656
Uva	Badulla	11	64,790	11,976,884
	Moneragala	7	21,500	14,726,111
Sub Total		18	86,290	26,702,995
Sabaragamuwa	Kegalle	6	2,750	1,015,999
	Rathnapura	3	8,100	1,631,710
Sub Total		9	10,850	2,647,709
Other			-	1,500,000
Sri Lanka	Total	232	696,843	202,111,990

4.3 Milk Collection by Quarters in 2013

Period	* Main Collectors (L)	Others (L)	Total	Collection %
1st Quarter	26,170,977	16,146,773	42,317,750	21.1
2nd Quarter	34,525,624	21,037,166	55,562,790	27.8
3rd Quarter	36,319,518	18,981,718	55,301,236	27.6
4th Quarter	29,659,295	17,458,559	47,117,854	23.5
Total	126,675,414	73,624,216	200,299,630	100.0

Source: Milk collection figures from collecting agencies (modified DAPH -LPE)

* Main collectors - MILCO & NESTLE

Chapter 5. Imports and Exports

5.1 Import of milk and milk products 2009 - 2013

Item	Unit	2009	2010	2011	2012	2013
Milk and Milk Products	<i>Quantity (MT)</i>	65,165.11	75,992.85	88,093.37	83,817.74	69,452.36
	<i>Value(Rs/Mil)</i>	18,953.67	29,214.40	38,181.81	39,022.99	37,572.07
Milk and Milk Cream	<i>Quantity (MT)</i>	100.57	121.3	137.52	211.47	197.46
	<i>Value(Rs/Mil)</i>	34.43	44.09	50.03	83.39	75.60
Milk Cream Fat<1.5%	<i>Quantity (MT)</i>	6,328.04	5,329.70	8,237.05	8,861.85	7,186.45
	<i>Value(Rs/Mil)</i>	1600.11	1970.60	3414.26	3,793.95	3,684.82
Milk Cream Fat>1.5%	<i>Quantity (MT)</i>	56,033.86	67,065.45	75,779.38	70,531.21	58,792.46
	<i>Value(Rs/Mil)</i>	16454.91	25966.12	33060.97	33,299.45	32,137.89
Condensed Milk	<i>Quantity (MT)</i>	13.07	31.97	33.61	123.00	51.97
	<i>Value(Rs/Mil)</i>	1.15	1.84	4.79	10.19	4.80
Cheese and Curd	<i>Quantity (MT)</i>	1,057.82	1,280.60	1,625.99	1,708.70	1,648.83
	<i>Value(Rs/Mil)</i>	629.54	758.6	990.39	1,146.26	1,123.48
Butter and Other Fats	<i>Quantity (MT)</i>	612.38	810.8	862.92	846.71	730.16
	<i>Value(Rs/Mil)</i>	151.68	324.3	470.95	423.87	387.30
Butter Milk and Curdled Milk	<i>Quantity (MT)</i>	9.50	82.9	38.34	71.20	60.98
	<i>Value(Rs/Mil)</i>	2.6	10.6	7.74	12.04	15.05
Whey and Whey Powder	<i>Quantity (MT)</i>	1,009.88	1,269.90	1,378.56	1,463.33	784.06
	<i>Value(Rs/Mil)</i>	79.255	138	182.67	253.84	143.08

Source: Sri Lanka Customs

5.2 Import of milk and milk products (LME) 2009-2013

Item	2009	2010	2011	2012	2013
Milk and Milk Products Lt.	473,709,183	552,585,407	641,190,789	610,564,613	507,033,130
Milk and Milk Cream Lt.	724,090	874,009	990,167	1,522,607	1,421,728
Milk Cream Fat<1.5% Lt.	45,561,905	38,374,238	59,306,783	63,805,355	51,742,463
Milk Cream Fat>1.5% Lt.	403,444,203	482,871,694	545,612,089	507,825,234	423,306,128
Condensed Milk Lt.	65,345	159,860	168,070	616,306	259,855
Cheese and Curd Lt.	12,165,000	14,727,030	18,698,938	19,650,173	18,961,598
Butter and Other Fats Lt.	4,409,155	5,838,277	6,213,059	6,096,311	5,257,128
Butter Milk and Curdled Milk Lt.	68,371	597,010	276,034	512,655	439,020
Whey and Whey Powder Lt.	7,271,114	9,143,289	9,925,649	10,535,972	5,645,209

Source: Sri Lanka Customs -Modified in LPE division for liquid milk equivalent(LME))

5.3 International whole milk powder prices 2008 - 2013

US\$/MT

Month	2009	2010	2011	2012	2013
January	2665	3282	3994	3600	3975
February	2401	3150	4688	3713	4063
March	2357	3172	4616	3608	4012
1st Quarter	2474	3201	4433	3640	4017
April	2423	3006	4616	3350	4763
May	2621	3250	4363	3163	4725
June	2555	3537	4406	3113	4763
2nd Quarter	2533	3264	4462	3209	4750
July	2533	3613	4388	3119	4681
August	2577	3625	4238	3229	4933
September	2753	3027	4106	3850	5050
3rd Quarter	2621	3422	4244	3399	4888
October	3018	3819	4033	3848	5038
November	3282	3644	3933	3838	4969
December	3260	3731	3794	3913	5106
4th Quarter	3187	3731	3920	3866	5038
Annual average	2704	3405	4265	3487	4673
Minimum	2357	3006	3794	3113	3975
Maximum	3260	3819	4688	3900	5106

Source : Understanding Dairy Market web site (Modified in DAPH-LPE division)

5.4 Export of milk and milk products 2009 -2013

Item		2009	2010	2011	2012	2013
Milk and Milk Products	Quantity (MT)	528.48	524.43	480.25	493.53	626.57
	Value(Rs/Mil)	138.45	167.63	151.45	141.78	173.92
Milk and Milk Cream	Quantity (MT)	22.67	18.65	34.4	58.08	56.28
	Value(Rs/Mil)	12.83	10.27	12.04	22.17	20.34
Milk Cream Fat<1.5%	Quantity (MT)	8.9	2.17	0.3	3.58	81.43
	Value(Rs/Mil)	6.54	2.06	0.27	1.92	37.42
Milk Cream Fat>1.5%	Quantity (MT)	47.01	33.46	32.38	17.42	9.71
	Value(Rs/Mil)	19.43	15.49	20.2	18.05	8.3
Condensed Milk	Quantity (MT)	427.75	415.26	366.15	383.83	435.91
	Value(Rs/Mil)	93.48	110.59	100.41	87.38	91.48
Cheese and Curd	Quantity (MT)	3.44	14.03	10.41	9.98	12.56
	Value(Rs/Mil)	1.61	8.32	5.13	5.41	6.11
Butter and Other Fats	Quantity (MT)	8.17	11.19	7.76	0.92	0.499
	Value(Rs/Mil)	2.7	4.22	2.82	0.83	0.65
Butter Milk and Curdled Milk	Quantity (MT)	10.45	26.23	25.48	19.27	29.43
	Value(Rs/Mil)	1.84	15.91	9.56	5.77	9.48
Whey and Whey Powder	Quantity (MT)			3.31	0.42	0.72
	Value(Rs/Mil)			1.00	0.24	0.13
Source: Sri Lanka Customs						

5.5 Export of milk and milk products in LME 2009-2013

Item	Unit	2009	2010	2011	2012	2013
Milk and Milk Products	Qty.(000 Liter)	2878.83	2920.68	2697.10	2751.96	3606.32
	Val.(Rs./Mn)	138.45	167.63	151.46	141.77	173.92
Milk and Milk Cream	Qty.(000 Liter)	163.22	132.29	247.69	418.18	405.25
	Val.(Rs./Mn)	12.83	10.27	12.04	22.17	20.34
Milk Cream Fat<1.5%	Qty.(000 Liter)	64.58	15.63	2.43	25.82	586.35
	Val.(Rs./Mn)	6.55	2.06	0.27	1.92	37.43
Milk Cream Fat>1.5%	Qty.(000 Liter)	338.47	240.93	233.19	125.45	69.98
	Val.(Rs./Mn)	19.43	15.49	20.20	18.05	8.30
Condensed Milk	Qty.(000 Liter)	2138.77	2076.31	1830.74	1919.16	2,179.57
	Val.(Rs./Mn)	93.48	110.59	100.42	87.38	91.48
Cheese and Curd	Qty.(000 Liter)	39.66	161.42	119.81	114.85	144.49
	Val.(Rs./Mn)	1.61	8.32	5.13	5.41	6.11
Butter and Other Fats	Qty.(000 Liter)	58.85	80.62	55.92	6.65	3.59
	Val.(Rs./Mn)	2.71	4.22	2.83	0.83	0.66
Butter Milk and Curdled Milk	Qty.(000 Liter)	75.28	188.86	183.48	138.81	211.91
	Val.(Rs./Mn)	1.84	15.92	9.56	5.77	9.48
Whey and Whey Powder	Qty.(000 Liter)	0.00	24.62	23.84	3.04	5.18
	Val.(Rs./Mn)	0.00	0.76	1.01	0.24	0.12

Source: Sri Lanka Customs (Modified : DAPH -LPE division)

5.6 Imports of meat and meat products 2009-2013

Item	Unit	2009	2010	2011	2012	2013
Total Meat and Meat Products	Qty.(MT)	1,285.21	1,556.96	2,380.04	1,221.20	801.43
	Val.(Rs./Mn)	161.16	246.04	516.39	374.82	327.59
Meat of Bovines	Qty.(MT)	21.97	28.94	61.11	27.51	35.99
	Val.(Rs./Mn)	16.89	12.73	52.26	24.20	28.46
Meat of Sheep and Goats	Qty.(MT)	269.66	284.92	363.8	338.36	385.47
	Val.(Rs./Mn)	58.32	82.24	162.34	200.29	172.79
Poultry Meat	Qty.(MT)	989.86	1,235.74	1,952.13	844.51	352.46
	Val.(Rs./Mn)	85.24	149.7	300.07	148.04	112.05
Meat of Swine	Qty.(MT)	0.53	0.21	0.84	0.91	0.15
	Val.(Rs./Mn)	0.42	0.48	0.58	0.81	0.13
Other Meat and Edible Offals	Qty.(MT)	3.18	7.12	1.62	9.80	2.69
	Val.(Rs./Mn)	0.3	0.85	0.94	1.50	0.38
Preserved Meat and Pig Fat, Poultry Fat etc.	Qty.(MT)	0.24	0.2	0.55	0.01	24.66
	Val.(Rs./Mn)	0.03	0.15	0.2	0.02	13.78

Source: Sri Lanka Customs

5.7 Export of meat and meat products (2009-2013)

Item	Unit	2009	2010	2011	2012	2013
	Qty.(MT)	767.8	2,396.4	1,962.5	1,060.0	1,621.2
Meat and Meat Products	Val.(Rs./Mn)	107.9	233.3	263.0	177.1	230.4
	Qty.(MT)	43.1	42.3	90.9	71.6	70.5
Meat of Bovines	Val.(Rs./Mn)	45.8	45.8	96.1	84.6	89.3
	Qty.(MT)	Nil	Nil	7.4	3.8	7.07
Meat of Sheep and Goats	Val.(Rs./Mn)	Nil	Nil	4.1	2.9	5.9
	Qty.(MT)	608.4	2,309.6	1,812.0	969.6	1,524.5
Poultry Meat	Val.(Rs./Mn)	45.1	174.1	132.1	76.2	116.2
	Qty.(MT)	11.9	14.4	20.5	0.2	5.1
Meat of Swine	Val.(Rs./Mn)	7.6	9.4	12.9	0.3	6.3
	Qty.(MT)	104.4	30.2	11.2	3.9	0.1
Other Meat and Edible Offals	Val.(Rs./Mn)	9.4	4.0	5.0	2.5	0.08
	Qty.(MT)	11.9	14.4	20.5	10.3	14.0
Preserved Meat and Pig Fat, Poultry Fat etc.	Val.(Rs./Mn)	7.5	9.4	12.9	10.6	12.6

Source: Sri Lanka Customs

5.8 Import of Feed Ingredients 2008 – 2013

Item	Unit	2009	2010	2011	2012	2013
Meat & bone meal	<i>Qty.(MT)</i>	23,366	12,431	23,779	38,564	14,664
	<i>Val.(Rs.Mn)</i>	1722.5	952.4	1943.4	3,779	1,419
Fish meal	<i>Qty.(MT)</i>	51,197	118,895	100,980	109,788	11,023
	<i>Val.(Rs.Mn)</i>	4,551.50	10,659.3	9,188.30	15,045	12,357
Bran	<i>Qty.(MT)</i>	595.7	507.5	395.2		651
	<i>Val.(Rs.Mn)</i>	88.42	27.3	25.4		49
Oil cakes	<i>Qty.(MT)</i>	104,758	114,676	159,469	148,517	152,236
	<i>Val.(Rs.Mn)</i>	5612.97	5751.3	8034.78	10,838.52	11,435.47
Maize	<i>Qty.(MT)</i>	19,957	8,063	558	500.00	2,279.22
	<i>Val.(Rs.Mn)</i>	669.4	237.5	19.7	15.9	8,081.98
Soya bean meal	<i>Qty.(MT)</i>	92,598	94,033	136,344	137,582	146,613
	<i>Val.(Rs.Mn)</i>	5091.4	5631.3	10640.4	10,523.5	10,145.57
Rape seed meal	<i>Qty.(MT)</i>	0.42	44	931,361	218.2	1530.53
		10.6	1547	38,680	10.80	61,424.97

Source: Sri Lanka customs and Quarantine Station (DAPH)

Chapter 6. Feed Production and Prices

6.1 Animal Feed Production 2010 - 2013

Category	2010	2011	2012	2013
Dairy feed (000 MT)	10.53	28.2	14.69	94.33
Poultry feed (000 MT)	285.51	386.3	363.74	384.87
Pig feed (000 MT)	1.23	1.7	3.99	2.07
Goat feed (000 MT)	0.35	0.4	0.08	0.003
Shrimp feed (000 MT)	0.38	0.6	0.01	0.39
Horse feed (000MT)	0.12	0.2	0.22	0.41
Other feed (000 MT)	1.11	1.2	4.00	5.87
Feed premixes (000MT)		8.8	0.60	0.30
	299.25	427.30	387.32	488.24
Self mixed (000 MT)	199.00	208.8	351.50	384.22
Total Feed production	498.25	636.10	738.82	872.46

6.2 Animal Feed ingredient production

Item	unit	2012	2013	Change
Maize				
Local Maize production (Maha)	MT	165,999	173,320	4.41
<i>Extent (Maha)</i>	Ha	50,881	55,892	9.85
Local Maize Production (Yala)	MT	36,316	34,955	-3.75
<i>Extent (Yala)</i>	Ha	8,648	11,480	32.75
Imports for animal feed	MT	499.98	Nil	
Soya bean				
Local Soya production (Maha)	MT	236	1777	652.97
<i>Extent (Maha)</i>	Ha	166	1042	527.71
Local Soya production (Yala)	MT	1,435	11,539	704.11
<i>Extent (Yala)</i>	Ha			
Imports for animal feeds	MT	137,582.10	148,613.25	8.02

Source : Dept of Census & Statistics and Dept.of Agriculture

6.3 Compound (Average) Feed Prices

Feed	Price (Rs/25 kg pack)			
	2010	2011	2012	2013
Poultry Feed(Rs/25 kg)				
Broiler Starter	1774.56	1840.50	2181.92	2175.42
Broiler Finisher	1675.11	1727.41	2038.33	2056.08
Layer Starter	1222.38	1703.21	1854.56	1854.56
Layer Grower	1338.33	1587.47	1712.56	1712.5
Layer	1296.17	1494.53	1546.83	1546.83
Pig Feed(Rs/25 kg)				
Pig Starter	1483.55	1483.55	1508.50	1508.50
Pig Grower	1129.77	1129.77	1363.70	1363.70
Pig Faterner	1134.33	1313.22	1365.50	1365.50
Cattle Feed (Rs/25 kg)				
Dairy	703.00	856.76	933.40	933.40
Calf Starter	1297.61	1402.59	1452.63	1452.63

Source : Feed production companies (modified - DAPH- LPE division)

6.4 Average Feed Ingredient Retail Prices (Annual) - 2010 -2013

Ingredient	Unit Price (Rs/kg)			
	2010	2011	2012	2013
Soya Meal	68.22	63.71	92.21	103.37
Fish meal(Malaysia)	133.13	245.48	165.25	175.85
Fish meal(Danish)	308.48	288.58	287.30	379.32
Meat & Bone Meal	107.80	89.88	125.78	159.54
Rice Bran	19.11	20.54	23.76	25.63
Broken Rice	36.19	38.00	37.14	38.14
Rice Polish	27.41	32.71	35.01	32.38
Maize Whole	38.81	43.26	40.41	40.76
Maize Meal	41.00	45.13	42.92	44.19
Coconut Poonac	25.77	39.23	31.71	49.62

Source: Colombo Market Prices (modified DAPH -LPE division)

Chapter 7 Livestock Product Prices

7.1 Prices of Poultry and Poultry Products -2013

Month	Eggs		Broiler Chicken	Day Old Chicks	
	Farm gate	Wholesale	(Farm gate Price Rs / kg)		
	(Rs.)	(Rs.)	Live (Rs)	Broiler	Layer
January	10.98	11.98	230.00	60.00	96.40
February	14.20	15.20	250.00	60.00	98.00
March	13.20	14.20	222.00	67.40	98.00
April	10.83	11.95	237.50	70.00	98.00
May	11.72	12.68	263.00	70.00	98.00
June	14.78	15.63	233.75	80.00	98.00
July	10.70	12.10	209.00	80.00	107.00
August	11.70	12.70	222.00	74.00	110.00
September	12.45	13.50	198.75	65.00	110.00
October	12.50	13.50	183.00	65.00	110.00
November	12.50	13.50	165.00	61.00	110.00
December	12.70	13.70	198.00	60.00	110.00
Average	12.36	13.39	217.67	67.70	103.62

Source : Kuliya Pititya and NLDB Farms

7.2 Retail Prices of Meat and Eggs

Product	2012			2013		
	<i>Average</i>	<i>Min.</i>	<i>Max</i>	<i>Average</i>	<i>Min.</i>	<i>Max</i>
Broiler chicken (Rs/kg)						
Curry chicken	380.88	362.72	401.17	421.14	367.03	462.77
Broiler chicken	417.19	399.82	432.29	445.04	391.22	483.27
Eggs(Rs/egg)						
White eggs	10.48	8.02	13.48	14.16	12.81	15.61
Brown eggs	10.89	8.29	13.89	14.95	13.55	16.31
Beef (Rs/kg)	495.22	463.53	511.13	542.01	509.29	557.14
Mutton (Rs/kg)	1061.60	920.09	1150.10	1193.13	1152.50	1220.20
Pork (Rs/kg)	426.61	382.67	472.00	407.69	386.00	461.20

Source : HARTI

Chapter 8. Cost of production and Availability

8.1 Cost of production of livestock products

Item	2010	2011	2012	2013
Cost of Production of Chicken Meat (Rs/kg)				
Large scale				
live weight	195.85	180.94	215.62	167.2
dressed weight	243.03	223.94	287.25	238.16
Small scale				
live weight	205.23	187.14	223.25	176.44
dressed weight	252.36	237.29	296.96	245.89
Cost of Production of Eggs(Rs/egg)				
large scale	8.08	8.24	9.42	10.06
small scale	10.12	10.55	10.89	11.29
Cost of Production of Milk(Rs/kg)				
Intensive system	28.85	27.75	28.89	29.58
Semi intensive system	22.34	21.87	22.76	24.15
Extensive system	10.34	8.89	9.14	9.48
Cost of Production of Mutton(Rs/kg)	226.53	236.70	243.24	251.25
Cost of Production of Beef(Rs/kg)	220.93	250.50	303.21	315.44
Cost of Production of Pork(Rs/kg)				
Live weight	137.41	140.11	144.55	147.58
Dressed weight	199.87	203.72	210.08	214.40

8.2 Per capita availability of livestock products per year

Item	2009	2010	2011	2012	2013*
Milk and milk products (LME) -l	33.19	37.84	43.83	46.18	43.96
Meat (kg)					
Chicken	4.85	4.86	5.57	6.80	7.09
Beef	1.34	1.61	1.71	1.72	1.80
Mutton	0.080	0.090	0.090	0.100	0.107
Pork	0.31	0.32	0.32	0.32	0.32
Eggs(number)	79.32	67.03	81.78	112.1	102.6

* based on estimated human population

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