सत्यमेव जयते

Government of Meghalaya

REPORT ON INTEGRATED SAMPLE SURVEY FOR

ESTIMATION OF PRODUCTION MILK, EGG AND MEAT

YEAR : 2015-16.

DIRECTORATE OF ANIMAL HUSBANDRY & VETERINARY
GOVERNMENT OF MEGHALAYA.

PREFACE

The Sample Survey for estimation of Major Livestock Products is conducted annually throughout the State. The objectives of the Survey are to estimate the production of Milk, Meat and Eggs in the State as well as in the District level. The availability of data on these products including other information on livestock is useful for the Animal Husbandry and Dairy Sector in the State and others.

This report deals with the result of the Survey conducted during the year 2015– 2016 showing production estimates for each season, the number of Livestock and Poultry population including the numbers of Livestock brought from outside the State for Meat. Besides, information of Livestock per Sq. Kms and per 100 Villages are shown in this report. This report provides a reliable data-base relating to the progress and achievement of different schemes of the Department that enables us to estimate the contribution to the livestock sector.

The result of the Survey indicates a growth rate of **1.16 %** on Milk, **0.63 %** on Egg and a decrease of **0.44 %** on Meat over 2014-2015.

I am sure that this publication will be of immense help, useful and instrumental to all concerned who are interested in the field of Animal Husbandry and Dairying Activities.

Dr. (Mrs.) W.Papang
Director A.H. & Veterinary Department
Meghalaya,Shillong.

CONTENTS

CHAPTER – I

GENERAL

CHAPTER – II

LIVESTOCK CENSUS DATA 2007 & 2012

CHAPTER – III

ANALYSIS OF THE INTEGRATED SAMPLE SURVEY

CHAPTER –IV

DISTRICT WISE AND SEASONWISE ESTIMATES MILK PRODUCTION

CHAPTER –V

DISTRICT WISE AND SEASONWISE ESTIMATES EGG PRODUCTION

CHAPTER – VI

SEASON WISE PERCENTAGE UTILISATION OF MILK AND EGGS IN SAMPLE HOUSEHOLDS.

CHAPTER – VII

MEAT PRODUCTION

****

CHAPTER - I

GENERAL

1.1 The State: - Meghalaya is located in the North-Eastern part of India lying between the latitude of 25°47" and 26°10'North 89°45"East and 92°47" East longitude. The State is bounded on the North by Assam and on the South by Bangladesh and Assam again on the West. Physiographically, the State is divided into three hills section, (a) Western Meghalaya or Garo Hills (b) Central Meghalaya or Khasi Hills and (c) Eastern Meghalaya or Jaintia Hills. The total area of the State covers about 22,429 Sq. km. The State is divided into eleven Districts namely: (i) East Khasi Hills (ii) Ri-Bhoi (iii) West Khasi Hills (iv) South West Khasi Hills (v) East Jaintia Hills (vi) West Jaintia Hills (vii) North Garo Hills (viii) East Garo Hills (ix) West Garo Hills,(x) South West Garo Hills and (xi) South Garo Hills.

1.2. Climate: - The climate in Meghalaya is salubrious in general. The Northern and the Southern slopes including the Western Border are comparatively warmer in winter, the main reason being the lower altitudes. The four distinct seasons of the year are recognizable through out the State. Springtime is generally associated with the germination of seeds as well as the growth of tender grass, leaves and flowers. Then come Summer times, which is generally identified with rain and autumn with ripened and shedding of leaves from certain species of trees.

1.3. Rainfall: - Meghalaya had a distinct position in the world as far as rainfall is concerned. The entire State received rainfall during Summer months only through the Southwest Monsoon. The rain usually falls by the month of May and continues right up to the end of September, and sometimes evens in the middle of October after which it gradually diminishes. Sohra and Mawsynram in the East Khasi Hills are geographically considered as the rainiest places in the World.

1.4. Population and Area: - The State has a total area of 22,429 Sq. Kms. and a population of 23.19 Lakhs as per the 2001 Census and 29.67 lakhs as per 2011 Census (Provisional). Percentage of Urban population is 19.63, and percentage of Literacy is 63.31. Table1.2 below indicates the District Wise population both Rural and Urban. The Density per Sq. Km. in the State is 132 persons compared to 2001 Census with a density of 103 person and 1991 Census with 79 persons.

Table 1.1: General Information.

Sl. No.	Name of District	No of Sub-Division	No. of Blocks / Taluks / Tehsils	Inhabited Villages 2011 Economics Census	Towns 2011
1.	East Khasi Hills	1	8	923	13
2.	Ri – Bhoi	-	3	579	2
3.	West Khasi Hills	2	6	1093	2
4.	Jaintia Hills	2	5	498	1
5.	East Garo Hills	1	5	1058	2
6.	West Garo Hills	2	8	1577	1
7.	South Garo Hills	-	4	731	1
	State (Overall)	8	39	6459	22

Source : Directorate of Economics & Statistics,
Government of Meghalaya, Shillong.

Table 1.2: Human Population (2011)

Sl. No.	Name of District	Males	Females	Total	Urban Population	Rural Population	Scheduled Caste	Scheduled Tribe
1.	East Khasi Hills	410749	415173	825922	366481	459441	5642	661158
2.	Ri – Bhoi	132531	126309	258840	25253	233587	590	230081
3.	West Khasi Hills	193715	189746	383461	43105	340356	168	375097
4.	Jaintia Hills	196285	198839	395124	28430	366694	1317	376099
5.	East Garo Hills	161223	156694	317917	44192	273725	509	305180
6.	West Garo Hills	324159	319132	643291	74858	568433	8810	474009
7.	South Garo Hills	73170	69164	129203	13131	129203	319	134237
	State (Overall)	**1491832**	**1475057**	**2966889**	**595450**	**2371439**	**17355**	**2555861**

Source : Directorate of Economics & Statistics,
Government of Meghalaya, Shillong.

.

Table 1.3: Land Use Statistics (2007-2008 to 2011-2012)

Hectares.

Sl. No.	Particulars	2007-08	2008-2009	2009-2010	2010-2011	2011-12
1	2	3	4	5	6	7
	Reporting Area for Land Utilisation Statistics.	2227100	2227100	2228914	2234283	2240837
1.	Forest.	946247	948133	946318	946116	946089
2.	Not Available for Cultivation.	225870	225921	230525	236447	239194
3.	Other Uncultivated Land excluding Fallow Land.	554410	553444	555840	554532	555104
4.	Fallow Land.	217981	215453	213292	213309	215273
5.	Net Area Sown.	282592	284149	282939	283879	285177
6.	Area Sown more than once.	52176	53245	53477	53974	54040
	Total cropped Area.	334768	337394	336416	337853	339217

Source: Directorate of Economics & Statistics, Meghalaya.

Table 1.4: Classification of Households possessing Bovine according to the size of the Unit during the Year 2015-16.

Sl. No.	Name of District	Percentage of Bovines Keepers (Household)						
		0-1	2-5	6-10	11-15	16-20	21-25	26 and above
1	2	3	4	5	6	7	8	9
1.	East Khasi Hills	-	34.78	32.61	19.57	4.35	-	8.69
2.	Ri Bhoi	8.00	44.00	28.00	4.00	-	-	16.00
3	West Khasi Hills	-	50.00	8.33	16.67	16.67	-	8.33
4	South West Khasi Hills	4.55	27.27	22.72	18.18	18.18	-	9.10
5	East Jaintia Hills	-	10.00	25.00	45.00	15.00	-	5.00
6	West Jaintia Hills	3.57	28.58	32.14	25.00	3.57	3.57	3.57
7	North Garo Hills	-	-	31.58	10.53	5.26	-	52.63
8	East Garo Hills	-	21.05	47.37	21.05	10.53	-	-
9	West Garo Hills	-	-	25.00	7.5	17.5	17.5	32.5
10.	South West Garo Hills	-	5.88	5.88	35.30	23.53	23.53	5.88
11	South Garo Hills	-	15.68	52.94	-	-	13.73	17.65
	Meghalaya	**1.29**	**21.86**	**30.87**	**15.76**	**9.00**	**6.11**	**15.11**

Table 1.5 Area Sq.Km. with Density of Livestock Population per Sq.Kms.

Sl. No.	Name of District	Area (Sq. Km) 2001	Density per Sq. Km						
			Indigenous Cattle	Crossbred Cattle	Buffaloes	Pig	Sheep	Goat	Poultry
1	2	3	4	5	6	7	8	9	10
1.	East Khasi Hills		26	5	1	50	3	30	206
2.	Ri Bhoi		10	4	2	11	0	9	174
3	West Khasi Hills		24	0	1	14	1	11	100
4	South West Khasi Hills		19	0	0	16	0	26	73
5	East Jaintia Hills		32	0	0	13	0	12	38
6	West Jaintia Hills		18	0	1	20	0	7	77
7	North Garo Hills		57	0	0	38	0	26	209
8	East Garo Hills		48	0	0	25	0	4	283
9	West Garo Hills		70	0	1	30	3	31	195
10.	South West Garo Hills		134	0	6	43	1	73	243
11	South Garo Hills		39	0	0	24	0	28	155
	Meghalaya		**477**	**9**	**12**	**284**	**8**	**257**	**1753**

Table 1.6 Density of Livestock Population per '100' Villages

Sl. No.	Name of District	Indig-enous Cattle	Crossbred Cattle	Buffa-loes	Pig	Sheep	Goat	Poultry				Over all
								Fowls	Ducks	Impr-oved	Desi	
1	2	3	4	5	6	7	8	9	10	11	12	13
1.	East Khasi Hills	5994	1106	152	11471	639	6765	46771	168	5579	41360	47104
2.	Ri Bhoi	4425	1490	808	4756	2	3851	73230	157	20800	52587	73426
3	West Khasi Hills	11207	59	689	6763	384	5076	46989	14	3286	43717	47003
4	South West Khasi Hills	8666	112	68	7465	63	12126	33705	91	298	33498	33802
5	East Jaintia Hills	32633	322	480	12867	0	12316	37941	47	4121	33867	37988
6	West Jaintia Hills	10342	204	521	11419	2	4098	44472	335	6130	38677	44827
7	North Garo Hills	11629	34	1	7768	3	5284	42294	84	7783	34595	42407
8	East Garo Hills	12625	40	3	6702	1	957	74790	22	1941	72871	74817
9	West Garo Hills	18886	129	334	8077	733	8407	51848	1008	2141	50715	52863
10.	South West Garo Hills	26680	32	1215	8530	193	14620	47559	858	1568	46849	48448
11	South Garo Hills	8635	5	0	5204	1	6128	34039	164	453	33750	34207
	Meghalaya	**151722**	**3533**	**4271**	**91022**	**2021**	**79628**	**533638**	**2948**	**54100**	**482486**	**536892**

Chapter – 2

Livestock Census Data 2007

Table 2.1: Livestock Population (a) Cattle & Buffaloes.

Sl. No.	Name of District	Cattle		Total Cattle	Buffalo	**Total Bovine**
		Crossbred	Indigenous			
1.	East Khasi Hills	8789	64485	73274	413	**73687**
2.	Ri – Bhoi	13188	69933	83121	3289	**86410**
3.	West Khasi Hills	982	114727	115709	2787	**118496**
4.	Jaintia Hills	1208	146289	147497	2224	**149721**
5.	East Garo Hills	211	157823	158034	1415	**159449**
6.	West Garo Hills	2344	260999	263343	11133	**274476**
7.	South Garo Hills	126	46139	46265	1366	**47631**
	State (Overall)	**26848**	**860395**	**887243**	**22627**	**909870**

Table 2.1 Livestock Population (b) Horses & Ponies.

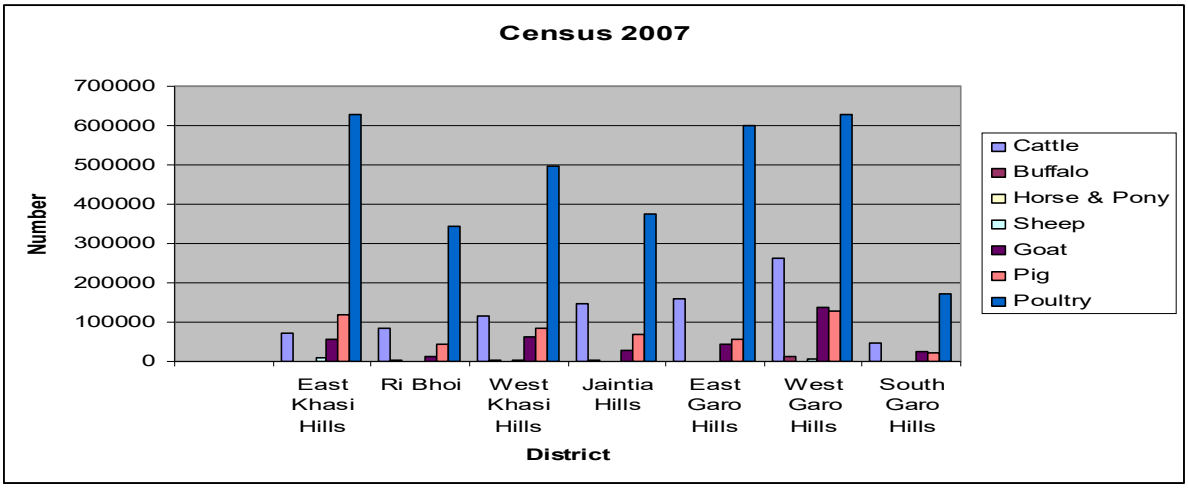
Sl. No.	Name of District	Sheep		Total Sheep	Total Goats	Total Horses & Ponies
		Crossbred	Indigenous			
1.	East Khasi Hills	3	8954	8957	56632	48
2.	Ri – Bhoi	-	116	116	13835	24
3.	West Khasi Hills	189	3327	3516	61786	1732
4.	Jaintia Hills	30	12	42	27005	33
5.	East Garo Hills	-	1260	1260	43652	0
6.	West Garo Hills	20	7129	7149	138468	864
7.	South Garo Hills	-	1	1	24105	0
	State (Overall)	**242**	**20799**	**21041**	**365483**	**2701**

Table 2.1 (c) Pig Population & Livestock Population and Rabbit.

Sl. No.	Name of District	Pigs		Total Pigs	Total Livestock	Total Rabbits
		Crossbred	Indigenous			
1.	East Khasi Hills	28671	90686	119357	258690	9
2.	Ri – Bhoi	4044	38426	42470	143599	744
3.	West Khasi Hills	9272	76438	85710	270482	85
4.	Jaintia Hills	13776	56432	70208	247013	4
5.	East Garo Hills	9466	46071	55537	259907	9
6.	West Garo Hills	2152	126194	128346	549868	565
7.	South Garo Hills	2776	19953	22729	94473	7
	State (Overall)	**70157**	**454200**	**524357**	**1824032**	**1423**

Table 2.2: Poultry Population.

SL No.	Name of Districts	**Fowls**			**Ducks**			Turkey	Other Poultry Birds like Guineas, Fowls etc.	Grand Total
		Desi	Impro-ved	Total	Desi	Impro-ved	Total			
1.	East Khasi Hills	417099	53292	470391	4492	370	4862	-	-	**629036**
2.	Ri – Bhoi	312519	27422	339941	2739	1771	4510	12	-	**344451**
3.	West Khasi Hills	457059	37166	494225	2727	1285	4012	-	-	**498237**
4.	Jaintia Hills	329824	37479	367303	5704	1832	7536	-	-	**374839**
5.	East Garo Hills	505718	88695	594413	4671	659	5330	-	-	**599743**
6.	West Garo Hills	565964	25131	591095	36037	1904	37941	-	-	**629036**
7.	South Garo Hills	164816	4313	169129	2032	155	2187	-	9	**171316**
	State (Overall)	**2752999**	**273498**	**3026497**	**58402**	**7976**	**66378**	**12**	**9**	**3092896**



Livestock Census Data 2012.

Table 2.3 Livestock Population (a) Cattle & Buffaloes

Sl. No.	Name of District	Cattle		Total Cattle	Buffalo	**Total Bovine**
		Crossbred	Indigenous			
1.	East Khasi Hills	12807	69410	82217	1756	83973
2.	Ri Bhoi	9295	27614	36909	5043	41952
3	West Khasi Hills	498	95150	95648	5849	101497
4	South West Khasi Hills	331	25652	25983	202	26185
5	East Jaintia Hills	622	62981	63603	927	64530
6	West Jaintia Hills	663	33610	34273	1692	35965
7	North Garo Hills	196	66400	66596	8	66604
8	East Garo Hills	241	76379	76620	18	76638
9	West Garo Hills	1631	239283	240914	4233	245147
10.	South West Garo Hills	134	113390	113524	5164	118688
11	South Garo Hills	40	69426	69466	2	69468
	Meghalaya	26458	879295	905753	24894	930647

Table 2.3 Livestock Population (b) Horses & Ponies.

Sl. No.	Name of District	Sheep		Total Sheep	Total Goats	Total Horses & Ponies
		Crossbred	Indigenous			
1.	East Khasi Hills	364	7030	7394	78334	23
2.	Ri Bhoi	0	10	10	24033	7
3	West Khasi Hills	441	2820	3261	43097	1142
4	South West Khasi Hills	0	185	185	35892	67
5	East Jaintia Hills	0	0	0	23770	6
6	West Jaintia Hills	0	8	8	13317	25
7	North Garo Hills	0	16	16	30172	15
8	East Garo Hills	0	8	8	5787	0
9	West Garo Hills	0	9284	9284	106516	16
10.	South West Garo Hills	0	819	819	62135	0
11	South Garo Hills	0	6	6	49272	0
	Meghalaya	805	20186	20991	472325	1301

Table 2.3 (c) Pig Population & Livestock Population and Rabbit.

Sl. No.	Name of District	Pigs		Total Pigs	Total Livestock	Total Rabbits
		Crossbred	Indigenous			
1.	East Khasi Hills	53818	79011	132829	302553	231
2.	Ri Bhoi	12596	17082	29678	95680	177
3	West Khasi Hills	14123	43296	57419	206416	22
4	South West Khasi Hills	7333	14764	22097	84426	0
5	East Jaintia Hills	7262	17572	24834	113140	0
6	West Jaintia Hills	14368	22744	37112	86427	13
7	North Garo Hills	5547	38808	44355	141162	0
8	East Garo Hills	6215	34331	40546	122979	0
9	West Garo Hills	6055	96283	102338	463301	780
10.	South West Garo Hills	921	35333	36254	217896	10
11	South Garo Hills	9746	32093	41839	160585	60
	Meghalaya	137984	431317	569301	1994565	1293

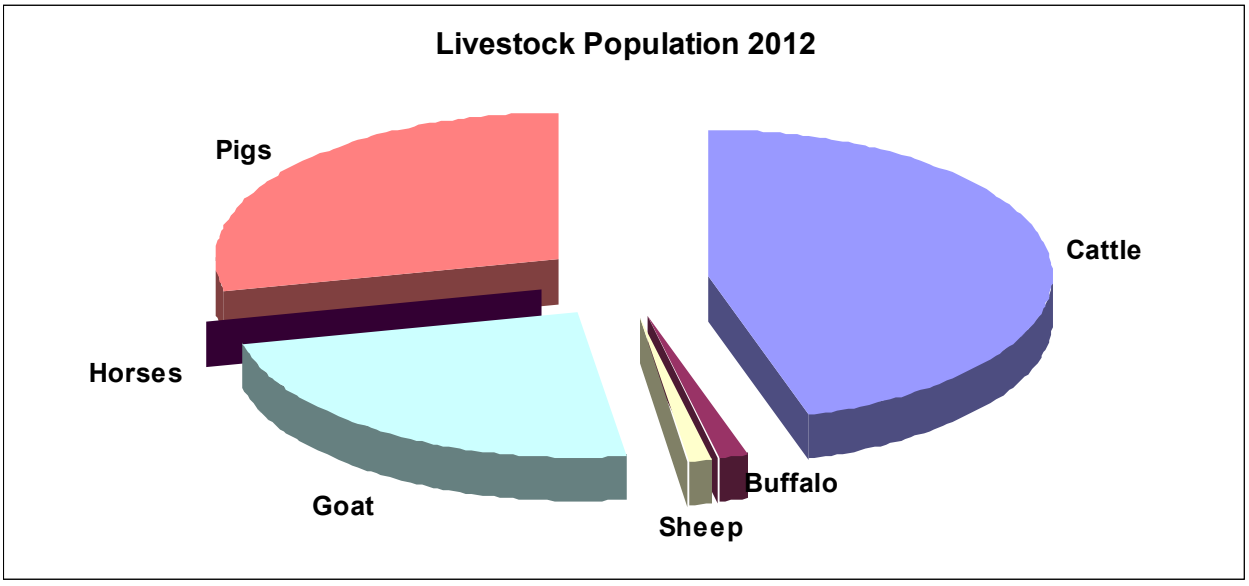


Table 2.4: Poultry Population.

SL No.	Name of Districts	Fowls			Ducks			Turkey	Other Poultry Birds like Guineas, Fowls etc.	Grand Total
		Desi	Impro-ved	Total	Desi	Impro-ved	Total			
1.	East Khasi Hills	477111	64502	541613	1840	106	1946	359	1541	545459
2.	Ri Bhoi	327182	129772	456954	960	21	981	76	167	458178
3	West Khasi Hills	371054	27881	398935	102	16	118	0	0	399053
4	South West Khasi Hills	98886	882	99768	268	0	268	19	0	100055
5	East Jaintia Hills	65273	7953	73226	91	0	91	0	0	73317
6	West Jaintia Hills	124838	19697	144535	862	226	1088	40	25	145688
7	North Garo Hills	197113	44385	241498	423	58	481	0	167	242146
8	East Garo Hills	440733	11744	452477	134	0	134	0	30	452641
9	West Garo Hills	629866	27045	656911	12692	79	12771	2	96	669780
10.	South West Garo Hills	195467	6660	202127	3643	2	3645	0	133	205905
11	South Garo Hills	270036	3636	273672	1316	6	1322	2	26	275022
	Meghalaya	3197559	344157	3541716	22331	514	22845	498	2185	3567244

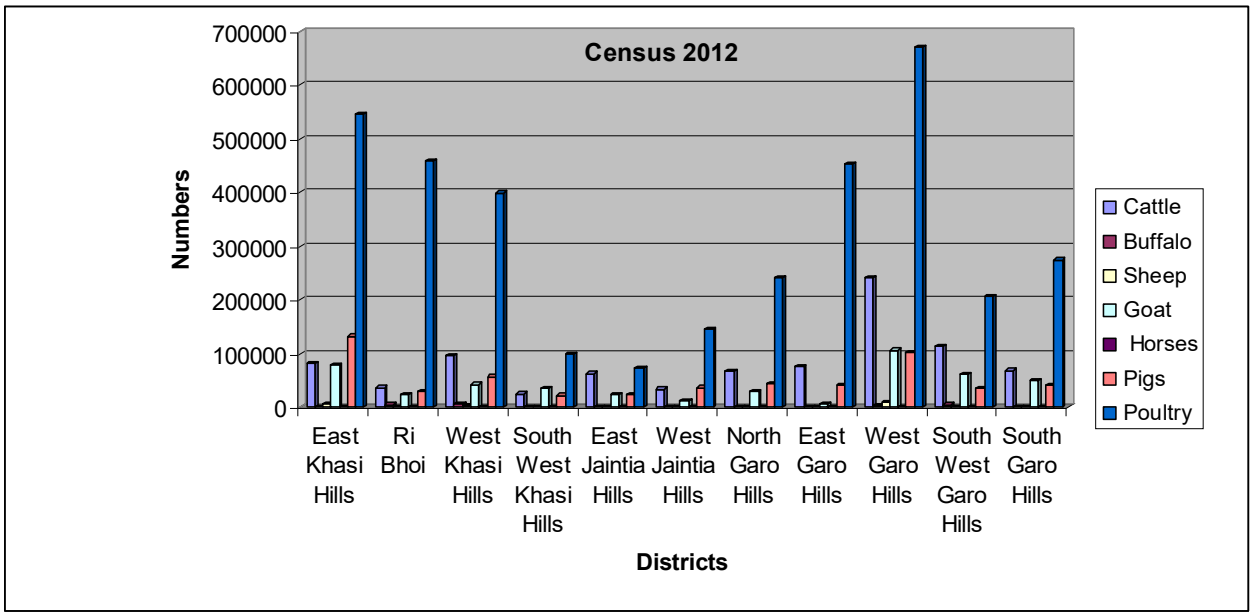
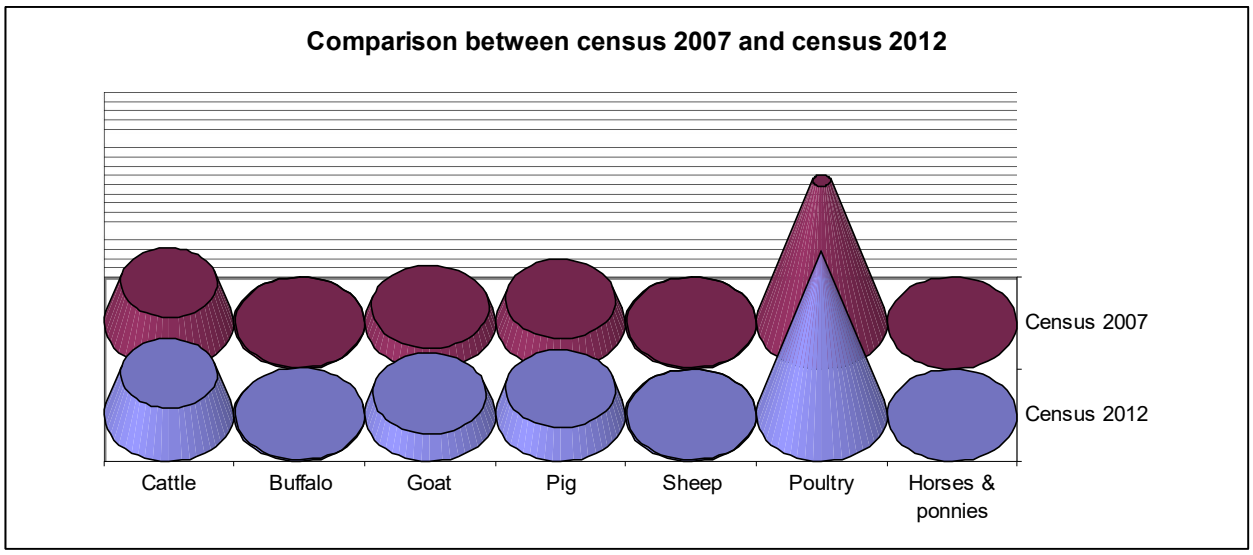
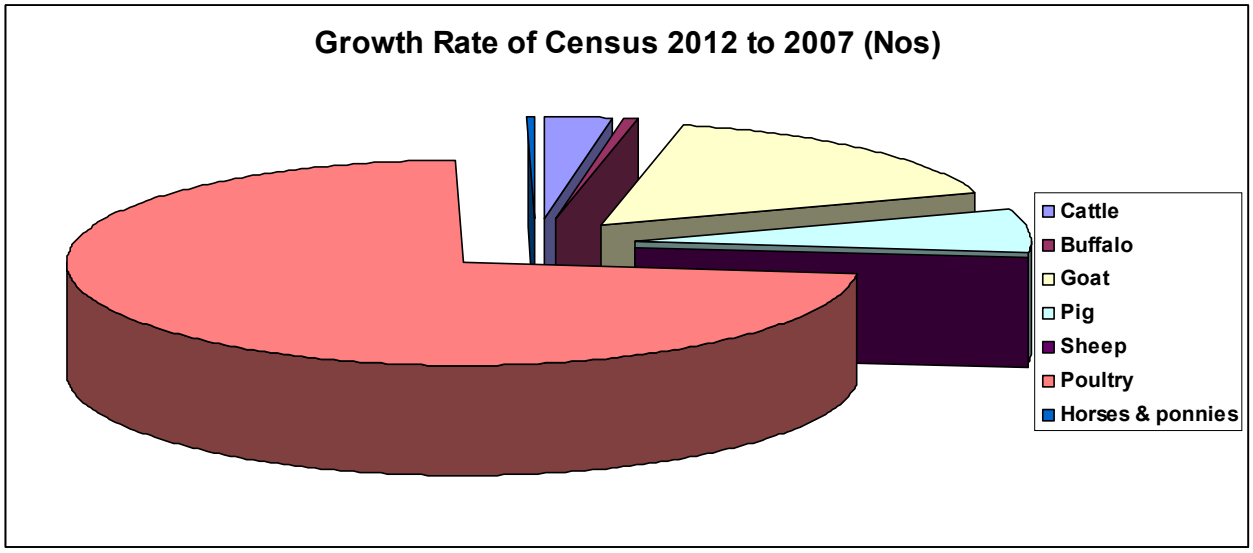
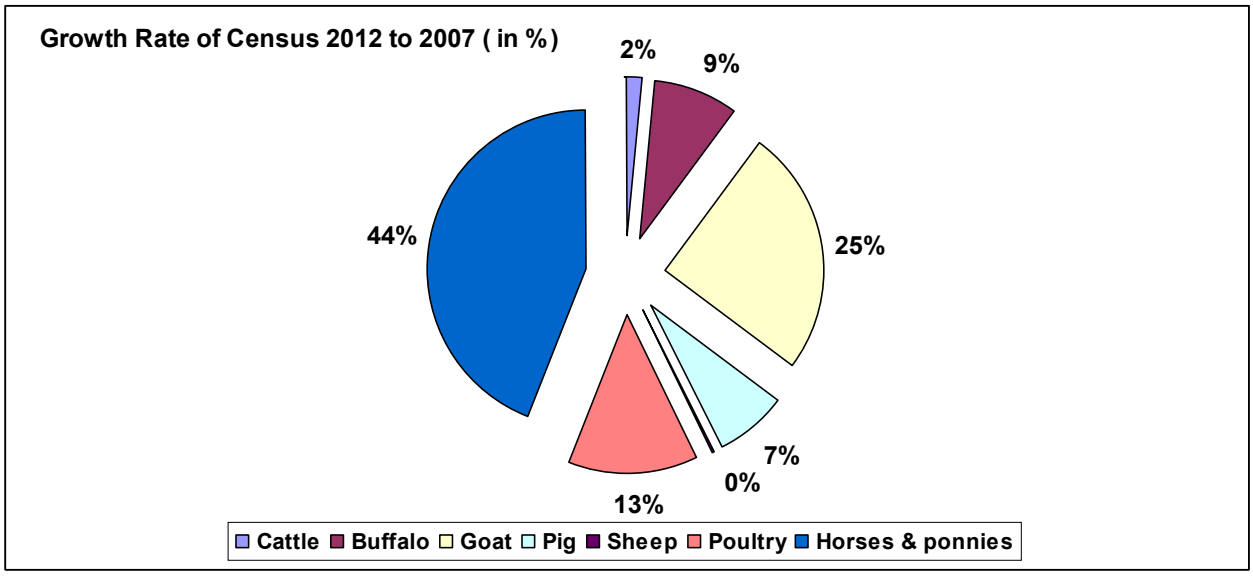


TABLE – 2.5: LIVESTOCK POPULATION: (as per 2012 Census) and Growth Rate as compared to 2007 Census

Sl No	Species	Population (Numbers)			Total	Growth Rate (%)	
1	Cattle	Crossbred	Male	5602	26458	-1.45	
			Female	20856			
		Indigenous	Male	355705	879295	2.2	
			Female	523590			
2	Buffalo	Indigenous	Male	16363	24894	10.02	
			Female	8531			
3	Goat	Indigenous	Male	179502	472325	29.23	
			Female	292823			
4	Pig	Exotic/ Crossbred	Male	72834	137984	96.68	
			Female	65150			
		Indigenous	Male	224672	431317	-5.04	
			Female	206645			
5	Sheep	Exotic/ Crossbred	Male	299	805	232.64	
			Female	506			
		Indigenous	Male	7434	20186	-2.95	
			Female	12752			
6	Poultry	Fowl	Improved	344157	3541716	25.84	
			Desi	3197559		16.15	
		Duck	Improved	514	22845	-93.56	
			Desi	22331		-61.76	
		Others	Turkey	498	498	2271.43	
7	Dog			256972	256972	14.66	




Growth Rate of Census 2012 to 2007 (Nos)
Cattle
Buffalo
Goat
Pig
Sheep
Poultry
Horses & ponnies


Growth Rate of Census 2012 to 2007 (in %)
2%
9%
25%
7%
0%
13%
44%
Cattle
Buffalo
Goat
Pig
Sheep
Poultry
Horses & ponnies

Chapter –3

ANALYSIS OF THE INTEGRATED SAMPLE SURVEY RESULTS FOR THE YEAR

3.1. - Integrated Sample Survey- Genesis and its usefulness.

Integrated Sample Survey for estimation of Major Livestock Products was first conducted during the year 1983-84. Prior to this period, the basic data for planning and formulation of Schemes for economic developments on scientific lines both in A.H. & Dairying was the census figures only, but the census figures gives the information only the Livestock numbers at five years intervals as no information was collected therein on Livestock Production and other aspects of Livestock economy. The census is inadequate to provide timely and available data on the Livestock numbers and products. The importance of availability of Livestock production data which is badly needed for formulating Livestock Development Programmes at all levels has activate the State Animal Husbandry & Veterinary Department to take initiative steps in conducting Sample Survey on the basis of the Methodology evolved by the Indian Agricultural Statistics Research Institute as per the recommendation of the Government of India, Ministry of Agriculture, Department of Animal Husbandry & Dairying.

For establishing & Strengthening of Statistical Wing in the Directorate of Animal Husbandry in various States and Union Territories for the purpose of conducting Sample Survey for Estimation of Major Livestock Products and for carrying out other Statistical activities, the Government of India initiated a Centrally Sponsored Schemes during the Fifth Five Year Plan on a 50:50 sharing basis between the States and the Center. However, from the year 2013-14 onward the Scheme was converted to a Central Sector Scheme and the Central share was increased to 90 % thereby making it to 90:10 basis.

With the financial help and technical advice and guidance through training programmes based as per prescribed Methodology formulated by the Ministry of Agriculture, Department of Animal Husbandry & Dairying an actual production estimate of Milk, Meat & Egg, etc could be arrived at. The result of the Survey data could be published every year, which provides basic information on the actual production level. The availability of current level estimates has become a source of data base information in the State Animal Husbandry Sector for planning and formulating development programmes.

3.2. Coverage of the Survey: - The Survey covered the entire urban and rural areas of all the Districts of the State.

3.3. Period of Survey: - The year is divided into three season for Field Work as detailed below.

1. Summer Season	:	March – June.
2. Monsoon Season	:	July – October.
3. Winter Season	:	November – February.

3.4. Methodology / Sampling Plan. :-

The Methodology was revised on 2012 and again on 2015 where survey has to be done divided in two sub-samples in a season wherein the results is derived from the pooled estimates of the two sub-samples. The Sampling Plan approved by the Technical Committee of Direction (TCD) was as follows:-

The Animal Husbandry Districts in the State would be the strata, Primary Stage unit of Sampling would be villages and the household possessing Livestock / Poultry form the second stage unit. The ultimate units for recording Milk / Wool Yield would be animal in Milk / Sheep whereas no Sub- Sampling in a household would be done for recording the production of eggs and meat.

For estimating the numbers of Livestock and Poultry, complete enumeration of household's along with Bovines, Sheep and Poultry is taken would be done in a Sample of 15% Villages in the State. The allocation of the Sample of Villages to strata would be done in proportion to the Livestock and Poultry population in them as per latest Livestock Census. Each District / Stratum would be further Sub-divided into two or three Sub-strata according to the intensity of Livestock and Poultry population and the Sample of villages in the stratum as per allocation mentioned above further allocated to them sub-strata proportionally. For recording data on yield of Milk, Wool, Eggs and Meat and attendant Livestock Practices, a sub-sample of 5 villages out of that has been enumerated would be selected with equal probability and without replacement. These villages would again be suitable allocated to the different sub-strata form as mentioned above, from each of the selected villages, the numbers of second stage units to be selected for studying different products would be as follows :-

Milk: - {1- 4th Round (Month)} 1(One) Clusters of 2 households each, **Eggs**- {1- 4th Round (Month)} 2 clusters of 5 households each and meat all households and Butcher shops in the selected villages/ wards for the sample. The data on Wool Yield will be collected from 8 households fixed for every round. For estimating the numbers of animals slaughtered all the butchers in the selected villages will be covered. The data from the households and butchers will be supplemented by similar data from registered slaughterhouses, for which complete record are available.

The ultimate units of Sampling for recording detailed information will be 2 animals in milk (Cows, buffaloes or both) for estimation of Milk production and 2 rams (or 1 ram and 1 weather) 2 ewes and 2 lambs for recording Wool production whereas no Sub-Sampling within a household would be done in the cases of eggs and meat. Information for estimating Meat yield & production per animal would be recorded from a Sample of 2 young and 2 adults' animals of each category in case of cattle & buffalo and 3 animals of each species Viz. Sheep, Goat, Pigs and Buffaloes.

3.5. Machinery in the Survey along with staff position.

The complete enumerations of Livestock and Poultry in the 15 % villages are carried out by the departmental staff of Animal Husbandry and Veterinary located close to the selected villages. The information are collected in prescribed schedules I and II and passed out to the Statistical section in the

State Directorate of Animal Husbandry thereof in respective District & Sub-Divisional A.H. & Veterinary Officers.

The collection of data on Yield and other related items are taken up by the Field staff of Statistical Wing of the Directorate and the information are collected and recorded in relevant Schedules.

Regarding Staff Position:-

The Statistical Wing consists of The Joint Director (Stats.) who is the implementing Officer of the Sample Survey Scheme the Deputy Director (Stats), the Research Officer, the Statistical Officer, the Inspector Statistics, the Statistical Assistants, the Computer Operator, the Enumerators, the Senior Veterinary Assistants and some ministerial staff.

3.6. Schedule Prescribed in the Survey.

1. Village Schedule –I – General Information about the Village.
2. Village Schedule – II – Complete enumeration regarding the numbers of Household in the Selected Villages, the numbers of Cattle, both Cross Bred and Indigenous, Buffaloes, Sheep, Goat, Pigs, Poultry and Numbers of Animals slaughtered.

3.7. Types of Data collected.

The details of data collected as mentioned above in each schedules include recording of Milk, Yield of the selected animals, Feed consumption of Bovines, particulars such as breed, number of lactation's completed, production and disposal of milk and milk products, production and disposal of Dung and study of bovines practices, production purchased and disposal of eggs during last twenty four hours feed supplied to poultry birds, diseases, death and disposal during the last one month and breed composition etc. and study of poultry practices. Numbers of animals slaughtered according to species, breed and age on the day of visit, live weight and carcass weight after slaughter in the case of meat production.

3.8. Schedule L.P.S. – 1.2: Detailed of Milk Production.

The information in the Schedule is (i) identification of selected household in the Sub-Sample of the villages (ii) Details of feed consumption on the day of visit (iii) Milk Yield of individual animals on the day of visit and details of utilization of milk (total production) on the previous day.

3.9. Schedule L.P.S. 2.1:-

Details of egg production and attendant practices in selected household, i.e. production purchased and disposal of egg, feed supply etc.

3.10. Schedule Form III:-

Detail of Meat production.

Table 3.11: Summary results

Sl. No.	Items	Unit	Estimates Previous Year 2014-15	Estimate Current Year 2015-16	% of Increase or Decrease over previous Year
I	**Milk**				
	Indigenous Cows				
	Population				
A	In Milk	00 No.	1146	1174	2.44%
B	Milch	00 No.	2413	2441	1.16%
	Yield per Day				
C	In Milk	Kgs.	0.768	0.76	-1.04%
D	Milch	Kgs.	0.365	0.366	0.27%
E	Production	000 tonnes	32.14	32.67	1.65%
	Crossbred Cows				
	Population				
F	In Milk	00 Nos.	151	151	0%
G	Milch	00 Nos.	180	182	1.11%
	Yield per day				
H	In Milk	Kgs.	8.909	8.895	-0.16%
I	Milch	Kgs.	7.471	7.458	-0.17%
J	Production	000 tonnes	49.43	49.57	0.28%

Table 3.11 – contd.

Sl No.	Items	Unit	Estimates Previous Year 2014-15	Estimate Current Year 2015-16	% of Increase or Decrease over previous Year
	Buffalo Population				
K	In Milk	00 No.	25	25	0%
L	Milch	00 No.	47	47	0%
	Yield per Day				
M	In Milk	Kgs.	1.844	1.846	0.11%
N	Milch	Kgs.	0.976	0.976	0%
O	Production	000 tonnes	1.671	1.682	0.66%
	Goat Production				
P	In Milk	00 No.			
Q	Milch	00 No.			
	Yield per Day				
R	In Milk	Kgs.			
S	Milch	Kgs.			
T	Production	000 tonnes			
	Total Milk Production	000 tonnes	82.94	83.92	1.16%
II	**Egg Production**				
	Layers				
U	Desi	00 No.	8466	8561	1.12%
V	Improved	00 No.	831	826	-0.6%
W	**Total**	00 No.	9297	9387	0.97%
	Yield per layer per year				
X	Desi	No.	104	104	0%
Y	Improved	No.	214	214	0%
	Production				
Z	Desi	Lakhs Nos.	879.38	887.19	0.89%
Aa	Improved	"	177.60	176.48	-0.63%
Ab	**Total**	"	1056.98	1063.67	0.63%

Table 3.12 Annual Report on Sample Surveys to estimate production of Livestock products.
State: - Meghalaya.
2015-2016

Sl. No.	Items	Summer	Monsoon	Winter	Annual (Over-all)
1. (a)	Total No. of District in the State.	11	11	11	11
1. (b)	Strata formed for District levels Estimates.				
2. (a)	Total No. of Villages in the State (inhabited)	7117	7117	7117	7117
2. (b)	No. of villages covered for detailed study.	68	68	67	203
2. ©	No. of villages covered for detailed study.				
	i) for Milk	68	68	67	203
	ii) for Egg	68	68	67	203
3.(a)	Total No. of households in the State. (2012 Census) Lakhs Nos.	5.44	5.44	5.44	5.44
3. (b)	Percentage of Households keeping :-				
	i) Bovine	47.95%	45.50%	43.12%	46.33%
	ii) Poultry	81.88%	80.33%	84.60%	82.35%
	iii) Sheep	1.00%	-	-	0.59%
	iv) Goat	26.13%	19.69%	15.31%	22.35%
	v) Pig	58.21%	64.88%	67.11%	61.53%
4. (a)	No. of households covered for Milk production (Cow, Buffalo and Goat)	618	772	424	1814
4. (b)	No. of animals observed for milk production				
	i) Cow in Milk.	724	918	624	2266
	ii) Buffalo in Milk.	32	61	30	123
	iii) Goat in Milk.	-	-	-	-
5. (a)	No. of Households observed for egg production.	873	830	720	2433
5. (b)	No. of Layers observed.				
	i) Desi & Improved	3124	2973	3247	9344
	.				

Table 3.12 – Contd.

Sl. No.	Items	Summer	Monsoon	Winter	Annual (Overall)
6. (a)	Estimated No. of Animals Slaughtered.'000' Nos.				
	i) Cattle	88.313	88.453	86.533	263.29
	ii) Buffalo	1.558	1.850	1.777	5.19
	iii) Sheep & Goat	39.208	85.600	90.770	262.94
	iv) Pig	86.561	41.899	47.354	128.45
	v) Poultry	1087.68	914.766	1161.624	3164.09

Table 3.13: District-wise Number of Villages selected for complete enumeration during the year 2015-16.

Sl. No.	Name of District	Summer	Monsoon	Winter	Overall
1.	East Khasi Hills	39	10	15	64
2.	Ri Bhoi	20	5	10	35
3	West Khasi Hills	20	4	10	34
4	South West Khasi Hills	8	4	9	21
5	East Jaintia Hills	9	6	10	25
6	West Jaintia Hills	20	10	15	45
7	North Garo Hills	19	6	8	34
8	East Garo Hills	20	5	7	31
9	West Garo Hills	28	5	10	43
10.	South West Garo Hills	28	6	8	42
11	South Garo Hills	27	8	9	44
	State (Overall)	**238**	**69**	**111**	**418**

Chapter – 4
District-wise & Season-wise Estimates
Milk Production
2015-2016

Table 4.1(a): Estimated Number of Productive Cows. (Indigenous)

Sl. No.	Name of Districts	Cows In Milk			
		Summer	Monsoon	Winter	Overall
1.	East Khasi Hills	6165	6267	6267	6318
2.	Ri Bhoi	6306	6062	5894	6092
3	West Khasi Hills	11399	11569	11654	11569
4	South West Khasi Hills	6475	6539	6475	6475
5	East Jaintia Hills	11202	11492	11724	11492
6	West Jaintia Hills	2338	2337	2315	2337
7	North Garo Hills	12759	12933	12846	12846
8	East Garo Hills	9702	9996	9923	9849
9	West Garo Hills	28018	28858	28858	28578
10.	South West Garo Hills	14140	14419	14419	14559
11	South Garo Hills	7149	7290	7219	7289
	Meghalaya	**115651**	**117762**	**117594**	**117404**

Table 4.1 (b): Estimated Number of Productive Cows. (Indigenous)

Sl. No.	Name of Districts	Dry Cows			
		Summer	Monsoon	Winter	Overall
1.	East Khasi Hills	4878	4878	4802	4853
2.	Ri Bhoi	10698	10732	10715	10715
3	West Khasi Hills	18557	18557	18503	18539
4	South West Khasi Hills	4594	4594	4575	4588
5	East Jaintia Hills	20520	20363	20442	20442
6	West Jaintia Hills	5125	5153	5139	5139
7	North Garo Hills	17271	17190	17271	17244
8	East Garo Hills	5885	5858	5803	5849
9	West Garo Hills	23375	23521	23668	23521
10.	South West Garo Hills	12090	12248	12143	12160
11	South Garo Hills	3677	3707	3646	3677
	Meghalaya	**126670**	**126801**	**126707**	**126727**

Table 4.1(c): Estimated Number of Productive Cows. (Indigenous)

Sl. No.	Name of Districts	Milch Cows			
		Summer	Monsoon	Winter	Overall
1.	East Khasi Hills	11043	11145	11069	11171
2.	Ri Bhoi	17004	16794	16609	16807
3	West Khasi Hills	29956	30126	30157	30108
4	South West Khasi Hills	11069	11133	11050	11063
5	East Jaintia Hills	31722	31855	32166	31934
6	West Jaintia Hills	7463	7490	7454	7476
7	North Garo Hills	30030	30123	30117	30090
8	East Garo Hills	15587	15854	15726	15698
9	West Garo Hills	51393	52379	52526	52099
10.	South West Garo Hills	26230	26667	26562	26719
11	South Garo Hills	10826	10997	10865	10966
	Meghalaya	**242321**	**244563**	**244301**	**244131**

Table 4.2 (a): Estimated Number of Productive Cows. (Crossbred)

Sl. No.	Name of Districts	Cows In Milk			
		Summer	Monsoon	Winter	Overall
1.	East Khasi Hills	6222	6222	6254	6222
2.	Ri Bhoi	5718	5718	5628	5673
3	West Khasi Hills	193	193	163	183
4	South West Khasi Hills	129	129	129	129
5	East Jaintia Hills	407	407	407	408
6	West Jaintia Hills	192	192	192	192
7	North Garo Hills	49	49	50	49
8	East Garo Hills	40	40	40	39
9	West Garo Hills	714	714	716	713
10.	South West Garo Hills	102	102	102	102
11	South Garo Hills	1518	1518	1518	1518
	Meghalaya	**15282**	**15282**	**15196**	**15228**

Table 4.2 (b): Estimated Number of Productive Cows (Crossbred)

Sl. No.	**Name of Districts**	**Dry Cows**			
		Summer	**Monsoon**	**Winter**	**Overall**
1.	East Khasi Hills	1371	1378	1436	1395
2.	Ri Bhoi	578	586	608	591
3	West Khasi Hills	35	34	35	35
4	South West Khasi Hills	64	64	64	64
5	East Jaintia Hills	152	154	158	155
6	West Jaintia Hills	34	34	34	34
7	North Garo Hills	13	13	13	13
8	East Garo Hills	21	21	24	22
9	West Garo Hills	149	149	156	151
10.	South West Garo Hills	34	34	35	34
11	South Garo Hills	432	432	456	440
	Meghalaya	**2883**	**2899**	**3019**	**2934**

Table 4.2 ©: Estimated Number of Productive Cows (Crossbred)

Sl. No.	Name of Districts	Milch Cows			
		Summer	**Monsoon**	**Winter**	**Overall**
1.	East Khasi Hills	7593	7600	7690	7617
2.	Ri Bhoi	6296	6304	6236	6264
3	West Khasi Hills	228	227	198	218
4	South West Khasi Hills	193	193	193	193
5	East Jaintia Hills	559	561	565	563
6	West Jaintia Hills	226	226	226	226
7	North Garo Hills	62	62	63	62
8	East Garo Hills	61	61	64	61
9	West Garo Hills	863	863	872	864
10.	South West Garo Hills	136	136	137	136
11	South Garo Hills	1950	1950	1974	1958
	Meghalaya	**18165**	**18183**	**18215**	**18162**

Table 4.3 (a): Estimated Number of Productive Buffaloes.

Sl. No.	Name of Districts	In Milk			
		Summer	Monsoon	Winter	Overall
1.	East Khasi Hills	133	133	132	133
2.	Ri Bhoi	536	533	529	534
3	West Khasi Hills	274	276	275	274
4	South West Khasi Hills	33	32	31	32
5	East Jaintia Hills	141	123	121	128
6	West Jaintia Hills	68	67	66	67
7	North Garo Hills	0	0	0	0
8	East Garo Hills	3	2	0	2
9	West Garo Hills	619	619	615	618
10.	South West Garo Hills	711	702	697	702
11	South Garo Hills	0	0	0	0
	Meghalaya	**2518**	**2484**	**2466**	**2490**

Table 4.3 (b): Estimated Number of Productive Buffaloes.

Sl. No.	Name of Districts	Dry			
		Summer	Monsoon	Winter	Overall
1.	East Khasi Hills	51	52	52	52
2.	Ri Bhoi	399	400	402	400
3	West Khasi Hills	214	216	217	216
4	South West Khasi Hills	17	17	16	17
5	East Jaintia Hills	65	65	66	65
6	West Jaintia Hills	132	131	132	132
7	North Garo Hills	4	4	4	4
8	East Garo Hills	0	0	0	0
9	West Garo Hills	831	833	833	832
10.	South West Garo Hills	503	499	502	501
11	South Garo Hills	3	3	3	3
	Meghalaya	**2219**	**2220**	**2227**	**2222**

Table 4.3 ©: Estimated Number of Productive Buffaloes.

Sl. No.	Name of Districts	Milch			
		Summer	Monsoon	Winter	Overall
1.	East Khasi Hills	184	185	184	185
2.	Ri Bhoi	935	933	931	934
3	West Khasi Hills	488	492	492	490
4	South West Khasi Hills	50	49	47	49
5	East Jaintia Hills	206	188	187	193
6	West Jaintia Hills	200	198	198	199
7	North Garo Hills	4	4	4	4
8	East Garo Hills	3	2	0	2
9	West Garo Hills	1450	1452	1448	1450
10.	South West Garo Hills	1214	1201	1199	1203
11	South Garo Hills	3	3	3	3
	Meghalaya	**4737**	**4704**	**4693**	**4712**

Table 4.4 (a): Estimated Milk Yield per day per animal (Kg.) Indigenous Cows.

Sl. No.	Name of Districts	In Milk			
		Summer	Monsoon	Winter	Overall
1.	East Khasi Hills	0.840	0.850	0.855	0.849
2.	Ri Bhoi	1.020	1.030	1.010	1.025
3	West Khasi Hills	0.840	0.850	0.840	0.846
4	South West Khasi Hills	0.810	0.820	0.810	0.818
5	East Jaintia Hills	0.740	0.750	0.750	0.746
6	West Jaintia Hills	0.740	0.740	0.740	0.740
7	North Garo Hills	0.720	0.730	0.710	0.722
8	East Garo Hills	0.680	0.690	0.720	0.702
9	West Garo Hills	0.740	0.730	0.730	0.730
10.	South West Garo Hills	0.730	0.730	0.720	0.724
11	South Garo Hills	0.680	0.690	0.690	0.689
	Meghalaya	**0.762**	**0.765**	**0.761**	**0.760**

Table 4.4 (b): Estimated Milk Yield per day per animal (Kg.) Indigenous Cows.

Sl. No.	Name of Districts	Milch Cows			
		Summer	Monsoon	Winter	Overall
1.	East Khasi Hills	0.469	0.478	0.488	0.475
2.	Ri Bhoi	0.378	0.372	0.361	0.371
3	West Khasi Hills	0.320	0.326	0.327	0.324
4	South West Khasi Hills	0.474	0.482	0.479	0.479
5	East Jaintia Hills	0.261	0.271	0.276	0.269
6	West Jaintia Hills	0.232	0.231	0.232	0.231
7	North Garo Hills	0.306	0.313	0.305	0.308
8	East Garo Hills	0.423	0.435	0.458	0.439
9	West Garo Hills	0.403	0.402	0.404	0.403
10.	South West Garo Hills	0.394	0.395	0.394	0.391
11	South Garo Hills	0.449	0.457	0.462	0.453
	Meghalaya	**0.364**	**0.368**	**0.367**	**0.366**

Table 4.5 (a): Estimated Milk Yield per day per animal (Kg.) Crossbred Cows.

Sl. No.	Name of Districts	Cows In Milk			
		Summer	Monsoon	Winter	Overall
1.	East Khasi Hills	8.950	8.960	8.960	8.996
2.	Ri Bhoi	9.060	9.050	9.030	9.096
3	West Khasi Hills	8.380	8.390	8.390	8.398
4	South West Khasi Hills	8.350	8.360	8.380	8.375
5	East Jaintia Hills	8.850	8.840	8.840	8.835
6	West Jaintia Hills	8.840	8.830	8.840	8.845
7	North Garo Hills	8.760	8.770	8.770	8.820
8	East Garo Hills	8.750	8.730	8.730	8.910
9	West Garo Hills	8.430	8.450	8.450	8.480
10.	South West Garo Hills	8.430	8.450	8.440	8.463
11	South Garo Hills	8.290	8.300	8.310	8.323
	Meghalaya	**8.880**	**8.883**	**8.877**	**8.895**

Table 4.5 (b): Estimated Milk Yield per day per animal (Kg.) Crossbred Cows.

Sl. No.	Name of Districts	Milch Cows			
		Summer	Monsoon	Winter	Overall
1.	East Khasi Hills	7.334	7.335	7.347	7.349
2.	Ri Bhoi	8.228	8.209	8.217	8.238
3	West Khasi Hills	7.075	7.115	6.964	7.050
4	South West Khasi Hills	5.581	5.588	5.626	5.598
5	East Jaintia Hills	6.436	6.405	6.413	6.403
6	West Jaintia Hills	7.491	7.482	7.573	7.515
7	North Garo Hills	6.923	6.931	6.948	6.971
8	East Garo Hills	5.666	5.653	5.502	5.697
9	West Garo Hills	6.970	6.986	6.991	6.998
10.	South West Garo Hills	6.323	6.338	6.336	6.347
11	South Garo Hills	6.453	6.461	6.444	6.452
	Meghalaya	**7.471**	**7.465**	**7.405**	**7.458**

Table 4.6 (a): Estimated Milk Yield per day per animal (Kg.) Buffaloes.

Sl. No.	Name of Districts	In Milk			
		Summer	Monsoon	Winter	Overall
1.	East Khasi Hills	1.840	1.850	1.860	1.860
2.	Ri Bhoi	1.850	1.850	1.850	1.859
3	West Khasi Hills	1.850	1.850	1.850	1.855
4	South West Khasi Hills	1.840	1.850	1.840	1.849
5	East Jaintia Hills	1.850	1.840	1.860	1.859
6	West Jaintia Hills	1.840	1.850	1.850	1.870
7	North Garo Hills	NA	NA	NA	NA
8	East Garo Hills	NA	NA	NA	NA
9	West Garo Hills	1.840	1.850	1.860	1.848
10.	South West Garo Hills	1.850	1.840	1.840	1.849
11	South Garo Hills	NA	NA	NA	NA
	Meghalaya	**1.843**	**1.846**	**1.851**	**1.846**

Table 4.6 (b): Estimated Milk Yield per day per animal (Kg.) Buffaloes.

Sl. No.	Name of Districts	Milch			
		Summer	Monsoon	Winter	Overall
1.	East Khasi Hills	1.330	1.330	1.345	1.330
2.	Ri Bhoi	1.061	1.056	1.060	1.058
3	West Khasi Hills	1.039	1.037	1.045	1.041
4	South West Khasi Hills	1.196	1.208	1.224	1.201
5	East Jaintia Hills	1.266	1.202	1.214	1.232
6	West Jaintia Hills	0.621	0.626	0.622	0.622
7	North Garo Hills	0.000	0.000	0.000	0.000
8	East Garo Hills	0.000	0.000	0.000	0.000
9	West Garo Hills	0.785	0.788	0.797	0.790
10.	South West Garo Hills	1.083	1.075	1.079	1.080
11	South Garo Hills	0.000	0.000	0.000	0.000
	Meghalaya	**0.980**	**0.975**	**0.973**	**0.976**

Table 4.7: Milk Production- Indigenous Cows. (Tonnes)

Sl. No.	Name of Districts	Summer	Monsoon	Winter	Overall
1.	East Khasi Hills	631	656	648	1935
2.	Ri Bhoi	785	768	720	2273
3	West Khasi Hills	1168	1210	1184	3562
4	South West Khasi Hills	639	660	635	1934
5	East Jaintia Hills	1011	1060	1064	3135
6	West Jaintia Hills	211	213	207	631
7	North Garo Hills	1121	1161	1104	3386
8	East Garo Hills	805	848	865	2518
9	West Garo Hills	2529	2591	2550	7670
10.	South West Garo Hills	1259	1295	1256	3810
11	South Garo Hills	593	619	602	1814
	Meghalaya	**10754**	**11079**	**10835**	**32668**

Table 4.8: Milk Production- Crossbred Cows (Tonnes).

Sl. No.	Name of Districts	Summer	Monsoon	Winter	Overall
1.	East Khasi Hills	6794	6857	6780	20431
2.	Ri Bhoi	6320	6365	6149	18834
3	West Khasi Hills	197	199	165	561
4	South West Khasi Hills	131	133	130	394
5	East Jaintia Hills	439	442	435	1316
6	West Jaintia Hills	207	208	205	620
7	North Garo Hills	52	53	53	158
8	East Garo Hills	42	42	42	127
9	West Garo Hills	734	741	732	2207
10.	South West Garo Hills	105	106	104	315
11	South Garo Hills	1535	1550	1526	4611
	Meghalaya	**16556**	**16696**	**16321**	**49574**

Table 4.9: Milk Production- Buffaloes (Tonnes).

Sl. No.	Name of Districts	Summer	Monsoon	Winter	Overall
1.	East Khasi Hills	30	30	30	90
2.	Ri Bhoi	121	121	118	360
3	West Khasi Hills	62	63	62	187
4	South West Khasi Hills	7	7	7	21
5	East Jaintia Hills	32	28	27	87
6	West Jaintia Hills	15	15	15	45
7	North Garo Hills	0	0	0	0
8	East Garo Hills	0	0	0	0
9	West Garo Hills	139	141	138	418
10.	South West Garo Hills	160	159	155	474
11	South Garo Hills	0	0	0	0
	Meghalaya	**566**	**564**	**552**	**1682**

Table 4.10: Total Milk Production in the State. ('000' Tonnes) 2015-16

Sl. No.	Name of Districts	Cows Milk			Buffalo	Total Milk Produ-ction	Previous Years Produ-ction 2014-2015	% Increase or Decrease over 2014-15
		Indigenous	Crossbred	Total				
1.	East Khasi Hills	1.935	20.431	22.366	0.090	22.456	22.397	(+) 0.26%
2.	Ri Bhoi	2.273	18.834	21.107	0.360	21.467	25.21	(-) 14.85%
3	West Khasi Hills	3.562	0.561	4.123	0.187	4.310	4.408	(-) 2.22%
4	South West Khasi Hills	1.934	0.394	2.328	0.021	2.349	2.359	(-) 0.42%
5	East Jaintia Hills	3.135	1.316	4.451	0.087	4.538	4.805	(-) 5.55%
6	West Jaintia Hills	0.631	0.620	1.251	0.045	1.296	1.450	(-) 10.62%
7	North Garo Hills	3.386	0.158	3.544	0	3.544	3.822	(-) 7.27%
8	East Garo Hills	2.518	0.127	2.645	0	2.645	2.670	(-) 0.19%
9	West Garo Hills	7.670	2.207	9.877	0.418	10.295	9.385	(+) 9.70%
10.	South West Garo Hills	3.810	0.315	4.125	0.474	4.599	3.862	(+) 19.08%
11	South Garo Hills	1.814	4.611	6.425	0	6.425	2.679	(+) 139.8%
	Meghalaya	**32.668**	**49.574**	**82.242**	**1.682**	**83.924**	**82.961**	**1.16%**

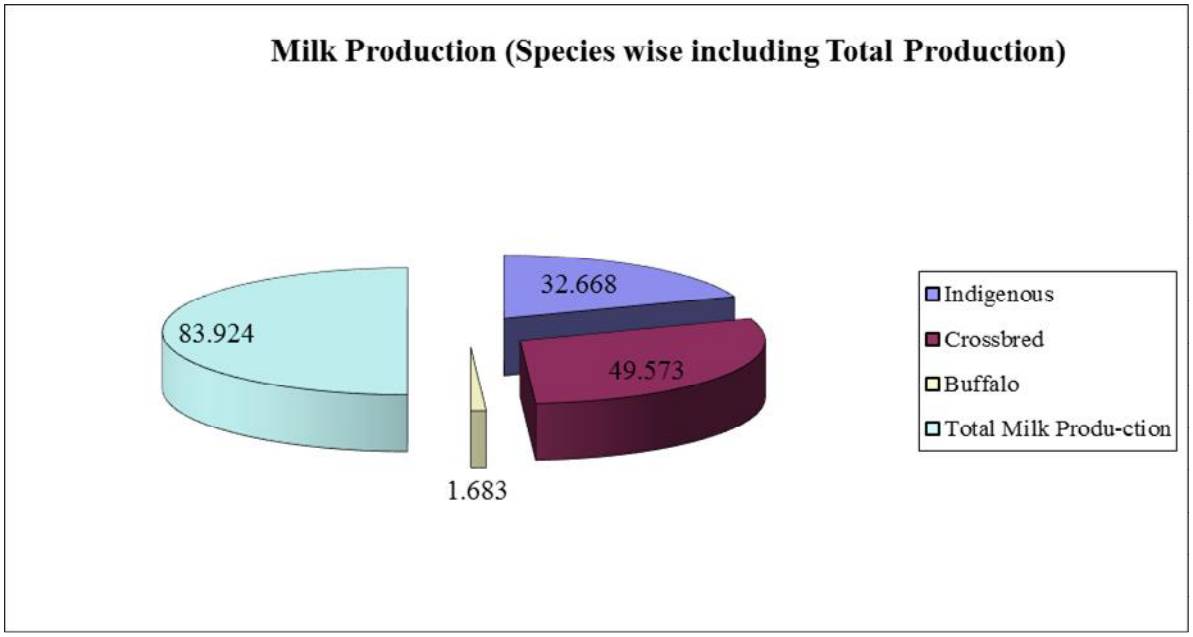


Table 4.11: Average Milk Yield per Animal / Day in Milk and Milch Animals in Meghalaya from 1983-84. In Kgs.

Year	In Milk		Buffalo	Milch		Buffalo
	Cows			Cows		
	Crossbred	Indigenous		Crossbred	Indigenous	
1983-84	8.37	0.63	2.05	5.08	0.36	1.04
1984-85	8.38	0.64	2.07	4.56	0.34	1.07
1985-86	8.38	0.64	2.07	4.56	0.34	1.07
1986-87	8.56	0.64	2.07	5.78	0.36	1.12
1987-88	7.28	0.57	2.07	4.99	0.28	1.12
1988-89	8.46	0.68	2.07	5.99	0.37	1.12
1989-90	8.69	0.69	2.07	6.21	0.38	1.12
1990-91	8.38	0.70	2.14	5.92	0.38	1.05
1991-92	8.41	0.72	1.96	6.29	0.38	1.01
1992-93	8.56	0.72	1.78	6.55	0.37	0.93
1993-94	8.36	0.73	1.91	6.51	0.41	0.97
1994-95	8.83	0.75	1.66	6.52	0.40	0.85
1995-96	8.83	0.75	1.66	6.70	0.38	0.79
1996-97	8.74	0.71	1.70	6.50	0.34	0.80
1997-98	8.80	0.73	1.80	6.65	0.34	0.85
1998-99	8.81	0.75	1.80	6.85	0.35	0.83
1999-2000	8.89	0.75	1.69	7.31	0.36	0.85
2000-01	8.94	0.72	1.76	7.02	0.33	0.88
2001-02	8.90	0.75	1.75	6.88	0.33	1.17
2002-03	8.93	0.76	1.76	7.21	0.33	0.90
2003-04	8.96	0.74	1.76	7.09	0.32	0.92
2004-05	8.99	0.76	1.79	7.11	0.33	0.93
2005-06	8.93	0.74	1.83	7.28	0.32	0.96
2006-07	8.93	0.75	1.85	7.30	0.33	0.95
2007-08	8.97	0.77	1.84	7.36	0.33	0.95
2008-09	8.95	0.75	1.86	7.31	0.34	0.95
2009-10	8.962	0.751	1.855	7.310	0.337	0.960
2010-11	8.963	0.758	1.846	7.339	0.341	0.964
2011-2012	8.960	0.760	1.843	7.329	0.342	0.962
2012-13	8.983	0.769	1.842	7.291	0.353	0.975
2013-14	8.961	0.758	1.827	7.239	0.365	0.976
2014-15	8.909	0.768	1.844	7.471	0.365	0.976
2015-16	8.968	0.768	1.861	7.458	0.366	0.976

Table 4.12: Estimated Number in Milk and Milch Animals in Meghalaya from 1983-84 ('000' Numbers)

Year	Animals In Milk		Buffaloes	Milch Animals		Buffaloes
	Cows			Cows		
	Crossbred	Indigenous		Crossbred	Indigenous	
1983-84	5.1	90.8	5.2	8.4	158.2	10.1
1984-85	5.6	97.2	5.6	9.1	168.6	10.6
1985-86	6.2	98.5	5.3	9.2	174.6	10.9
1986-87	6.1	100.0	6.0	9.0	174.7	11.1
1987-88	6.0	100.1	5.4	8.8	175.8	10.9
1988-89	6.1	96.9	4.7	8.7	178.9	9.7
1989-90	6.3	95.5	4.0	8.8	175.0	8.3
1990-91	6.9	94.2	4.1	9.8	175.6	8.3
1991-92	7.5	92.9	4.1	10.0	172.1	7.8
1992-93	7.7	93.9	4.4	10.1	180.6	8.4
1993-94	7.9	96.5	4.3	10.2	173.7	8.4
1994-95	7.8	95.9	4.4	10.4	178.7	8.7
1995-96	8.6	91.5	4.6	11.3	178.6	9.6
1996-97	10.0	85.4	5.6	13.4	184.6	11.8
1997-98	10.1	86.1	5.6	13.4	185.6	11.8
1998-99	10.4	86.5	5.4	13.4	182.9	11.8
1999-2000	10.7	90.6	3.4	13.0	189.4	6.8
2000-01	11.2	96.6	3.6	14.2	211.6	7.2
2001-02	11.9	92.7	2.7	15.4	209.7	4.0
2002-03	12.3	93.2	2.7	15.2	212.0	5.3
2003-04	12.6	93.2	2.7	16.0	210.1	5.2
2004-05	13.2	95.1	2.8	16.7	220.8	5.3
2005-06	13.8	98.8	2.8	16.9	226.8	5.3
2006-07	13.9	99.9	2.8	17.0	229.0	5.5
2007-08	14.1	101.2	2.9	17.2	231.8	5.6
2008-09	14.40	103.9	2.9	17.6	232.1	5.7
2009-10	14.50	104.95	2.97	17.78	234.05	5.75
2010-11	14.60	105.73	2.99	17.87	234.99	5.72
2011-12	14.71	106.54	3.01	17.98	236.44	5.76
2012-13	14.68	108.11	3.00	18.09	235.52	5.66
2013-14	14.82	115.47	2.62	18.34	240.01	4.91
2014-15	15.11	114.65	2.48	18.02	241.30	4.69
2015-16	15.228	117.40	2.22	18.162	244.13	4.71

Table 4.13: Estimated Milk Production in Meghalaya from 1983-84.

Year	Production in '000' tones.				Percentage of increase (+) or decrease (-) over previous year
	Cows		Buffaloes	Total	
	Crossbred	Indigenous			
1983-84	15.6	20.7	3.9	40.2	
1984-85	17.0	22.5	4.1	43.6	(+) 8.46
1985-86	19.0	23.2	4.0	46.2	(+) 5.96
1986-87	19.1	23.5	4.6	47.2	(+) 2.16
1987-88	16.0	20.8	4.1	40.9	(-) 13.33
1988-89	18.9	24.2	3.6	46.7	(+) 14.18
1989-90	20.1	24.3	3.0	47.4	(+) 1.50
1990-91	21.2	24.1	3.1	48.4	(+) 2.11
1991-92	23.1	24.5	2.9	50.4	(+) 4.13
1992-93	24.1	24.7	2.8	51.6	(+) 2.38
1993-94	24.2	25.7	3.0	52.9	(+) 2.52
1994-95	25.1	26.2	2.7	54.0	(+) 2.08
1995-96	27.6	25.0	2.8	55.4	(+) 2.59
1996-97	31.8	22.1	3.5	57.4	(+) 3.61
1997-98	32.4	23.0	3.7	59.1	(+) 2.96
1998-99	33.5	23.7	3.5	60.7	(+) 2.71
1999-2000	34.7	24.8	2.1	61.6	(+) 1.48
2000-01	36.5	25.3	2.3	64.1	(+) 4.06
2001-02	38.8	25.3	1.7	65.8	(+) 2.65
2002-03	40.1	25.8	1.7	67.7	(+) 2.83
2003-04	41.42	25.09	1.74	68.25	(+) 0.84 %
2004-05	43.23	26.27	1.79	71.29	(+) 4.45 %
2005-06	44.88	26.69	1.86	73.43	(+) 3.00 %
2006-07	45.38	27.33	1.91	74.62	(+) 1.62 %
2007-08	46.30	28.26	1.94	76.50	(+) 2.52%
2008-09	47.05	28.46	1.99	77.50	(+) 1.31%
2009-10	47.44	28.76	2.014	78.212	(+) 0.92%
2010-11	47.87	29.25	2.013	79.13	(+) 1.17%
2011-12	48.11	29.54	2.02	79.67	(+) 0.68%
2012-13	48.13	30.35	2.02	80.49	(+) 1.03%
2013-14	48.46	31.95	1.75	82.16	(+) 2.07%
2014-15	49.13	32.16	1.67	82.96	(+) 0.97%
2015-16	49.57	32.668	1.683	83.924	(+)1.16%

Chapter – 5

District-wise & Season-wise Estimates

Egg Production

Table 5.1 (a): District-wise and Season-Wise Estimated No. of Poultry (Fowls), 2015-16
Layers – '00 Numbers

Particulars	East Khasi Hills	Ri Bhoi	West Khasi Hills	South West Khasi Hills	East Jaintia Hills	West Jaintia Hills	North Garo Hills	East Garo Hills	West Garo Hills	South West Garo Hills	South Garo Hills	State
Desi												
Summer	1169	956	946	263	401	632	626	420	1826	482	572	8293
Monsoon	1199	969	959	266	396	632	635	395	1845	488	580	8364
Winter	1238	976	946	261	390	613	649	402	1816	485	584	8360
Over All	1208	969	946	263	395	628	635	406	1826	488	580	8344
Improved												
Summer	241	154	57	2	63	105	29	80	62	18	8	819
Monsoon	241	156	58	2	63	105	29	82	64	18	8	826
Winter	239	152	58	2	62	102	29	84	63	18	9	818
Over All	241	154	58	2	63	104	29	83	63	18	8	823
Total												
Summer	1410	1110	1003	265	464	737	655	500	1888	500	580	9112
Monsoon	1440	1125	1017	268	459	737	664	477	1909	506	588	9190
Winter	1477	1128	1004	263	452	715	678	486	1879	503	593	9178
Over All	1449	1123	1004	265	458	732	664	489	1889	506	588	9167

Table 5.1(b): District-wise and Season-wise Estimated No. of Poultry (Ducks) 2015-16.
Layers – '00 Numbers

Particulars	East Khasi Hills	Ri Bhoi	West Khasi Hills	South West Khasi Hills	East Jaintia Hills	West Jaintia Hills	North Garo Hills	East Garo Hills	West Garo Hills	South West Garo Hills	South Garo Hills	State
Desi												
Summer	23	12	1	3	1	5	2	4	110	46	12	219
Monsoon	23	12	1	3	1	5	2	4	109	45	12	217
Winter	22	12	1	3	1	5	2	4	109	44	12	215
Over All	23	12	1	3	1	5	2	4	109	45	12	217
Improved												
Summer	1.43	0.33	NA	NA	NA	0.27	NA	0.32	0.55	NA	NA	2.90
Monsoon	1.38	0.33	NA	NA	NA	0.26	NA	0.32	0.53	NA	NA	2.82
Winter	1.36	0.31	NA	NA	NA	0.25	NA	0.31	0.52	NA	NA	2.75
Over All	1.39	0.32	NA	NA	NA	0.26	NA	0.31	0.53	NA	NA	2.81
Total												
Summer	24.43	12.33	1	3	1	5.27	2	4.32	110.59	46	12	221.9
Monsoon	24.38	12.33	1	3	1	5.26	2	4.32	109.53	45	12	219.82
Winter	23.36	12.31	1	3	1	5.25	2	4.31	109.52	44	12	217.75
Over All	24.39	12.32	1	3	1	5.26	2	4.31	109.53	45	12	219.81

Table 5.2 (a): District-wise and Season-Wise Estimated Yield per Layer (Fowls) 2015-16

Particulars	East Khasi Hills	Ri Bhoi	West Khasi Hills	South West Khasi Hills	East Jaintia Hills	West Jaintia Hills	North Garo Hills	East Garo Hills	West Garo Hills	South West Garo Hills	South Garo Hills	State
Desi												
Summer	35	35	35	35	35	34	34	35	35	35	34	35
Monsoon	36	36	34	34	34	34	34	34	34	34	34	35
Winter	35	36	34	34	34	34	34	34	34	34	34	34
Over All	106	107	103	103	103	102	102	103	103	103	102	104
Improved												
Summer	73	74	68	68	70	71	68	71	69	68	64	71
Monsoon	74	74	68	68	69	69	68	69	69	68	67	71
Winter	74	74	68	68	70	70	67	69	69	68	68	71
Over All	221	222	204	204	209	210	203	209	207	204	199	214
Total												
Summer	40	41	37	35	40	39	36	41	36	36	34	38
Monsoon	42	41	36	34	39	39	35	40	35	35	35	38
Winter	41	41	36	34	39	39	35	40	35	35	34	38
Over All	125	123	109	104	118	117	106	121	106	107	103	114

Table 5.2(b): District-wise and Season-wise Estimated Yield per Layer (Ducks) 2015-16.

Particulars	East Khasi Hills	Ri Bhoi	West Khasi Hills	South West Khasi Hills	East Jaintia Hills	West Jaintia Hills	North Garo Hills	East Garo Hills	West Garo Hills	South West Garo Hills	South Garo Hills	State
Desi												
Summer	35	35	35	35	35	34	34	35	35	35	34	35
Monsoon	35	35	35	35	35	34	34	35	35	35	34	35
Winter	35	36	34	34	34	34	34	34	34	34	34	34
Over All	105	106	104	104	104	102	102	104	104	104	102	104
Improved												
Summer	73	74	-	-	-	71	-	71	69	-	-	72
Monsoon	73	74	-	-	-	71	-	71	69	-	-	72
Winter	74	74	-	-	-	70	-	69	69	-	-	72
Over All	220	222	-	-	-	212	-	211	207	-	-	217
Total												
Summer	37	36	35	35	35	36	34	38	35	35	34	35
Monsoon	37	36	35	35	35	36	34	38	35	35	34	35
Winter	37	37	34	34	34	36	34	37	34	34	34	35
Over All	112	109	104	104	104	107	102	112	104	104	102	105

Table 5.3(a): District-wise and Season-Wise Estimated Egg Production (Fowls) 2015-16.
(In Lakhs)

Particulars	East Khasi Hills	Ri Bhoi	West Khasi Hills	South West Khasi Hills	East Jaintia Hills	West Jaintia Hills	North Garo Hills	East Garo Hills	West Garo Hills	South West Garo Hills	South Garo Hills	State
Desi												
Summer	40.93	33.45	33.11	9.20	14.03	21.51	21.29	14.69	63.90	16.86	19.44	288.41
Monsoon	43.15	34.88	32.59	9.06	13.46	21.51	21.60	13.44	62.72	16.58	19.73	288.72
Winter	43.32	35.12	32.16	8.89	13.26	20.86	22.06	13.67	61.75	16.48	19.87	287.44
Over All	127.41	103.46	97.86	27.15	40.75	63.87	64.95	41.80	188.37	49.92	59.04	864.57
Improved												
Summer	17.59	11.43	3.89	0.11	4.39	7.42	1.99	5.72	4.27	1.22	0.53	58.56
Monsoon	17.83	11.53	3.97	0.11	4.38	7.24	1.99	5.66	4.37	1.23	0.55	58.86
Winter	17.71	11.22	3.93	0.11	4.37	7.15	1.95	5.83	4.37	1.23	0.58	58.45
Over All	53.12	34.18	11.79	0.33	13.14	21.81	5.93	17.21	13.01	3.68	1.66	175.87
Total												
Summer	58.52	44.88	37.00	9.31	18.42	28.93	23.28	20.41	68.17	18.08	19.97	346.97
Monsoon	60.98	46.41	36.56	9.17	17.84	28.75	23.59	19.10	67.09	17.81	20.28	347.58
Winter	61.03	46.34	36.09	9.00	17.63	28.01	24.01	19.50	66.12	17.71	20.45	345.89
Over All	180.53	137.64	109.65	27.48	53.89	85.68	70.88	59.01	201.38	53.60	60.71	1040.44

Table 5.3(b): District-wise and Season-wise Estimated Egg production (Ducks) 2015-16.
(In Lakhs)

Particulars	East Khasi Hills	Ri Bhoi	West Khasi Hills	South West Khasi Hills	East Jaintia Hills	West Jaintia Hills	North Garo Hills	East Garo Hills	West Garo Hills	South West Garo Hills	South Garo Hills	State
Desi												
Summer	0.80	0.42	0.04	0.10	0.05	0.18	0.06	0.14	3.86	1.61	0.42	7.68
Monsoon	0.79	0.42	0.04	0.10	0.05	0.18	0.05	0.14	3.83	1.58	0.41	7.59
Winter	0.78	0.43	0.04	0.09	0.05	0.18	0.05	0.13	3.69	1.50	0.41	7.35
Over All	2.38	1.26	0.11	0.29	0.14	0.53	0.16	0.41	11.39	4.69	1.24	22.62
Improved												
Summer	0.11	0.02	NA	NA	NA	0.02	NA	0.02	0.04	NA	NA	0.21
Monsoon	0.10	0.02	NA	NA	NA	0.02	NA	0.02	0.04	NA	NA	0.20
Winter	0.10	0.02	NA	NA	NA	0.02	NA	0.03	0.03	NA	NA	0.20
Over All	0.31	0.07	NA	NA	NA	0.06	NA	0.07	0.11	NA	NA	0.61
Total												
Summer	0.91	0.44	0.04	0.10	0.05	0.20	0.06	0.16	3.90	1.61	0.42	7.89
Monsoon	0.89	0.44	0.04	0.10	0.05	0.20	0.05	0.16	3.87	1.58	0.41	7.79
Winter	0.88	0.45	0.04	0.09	0.05	0.19	0.05	0.15	3.73	1.50	0.41	7.55
Over All	2.68	1.34	0.11	0.29	0.14	0.59	0.16	0.48	11.50	4.69	1.24	23.23

Table 5.4 (a): Estimated Total Egg production. (Lakhs Numbers) 2015-16.

Sl No.	Name of Districts	Summer		Monsoon		Winter	
		Fowls	Duck	Fowls	Duck	Fowls	Duck
1.	East Khasi Hills	58.42	0.91	60.98	0.89	61.03	0.88
2.	Ri Bhoi	44.88	0.44	46.41	0.44	46.35	0.45
3	West Khasi Hills	37.00	0.04	36.56	0.04	36.09	0.04
4	South West Khasi Hills	9.31	0.10	9.17	0.10	9.00	0.09
5	East Jaintia Hills	18.42	0.05	17.84	0.05	17.64	0.05
6	West Jaintia Hills	28.93	0.20	28.75	0.20	28.00	0.19
7	North Garo Hills	23.28	0.06	23.59	0.05	24.01	0.05
8	East Garo Hills	20.41	0.16	19.10	0.16	19.50	0.15
9	West Garo Hills	68.17	3.90	67.09	3.87	66.12	3.73
10.	South West Garo Hills	18.08	1.61	17.81	1.58	17.71	1.50
11	South Garo Hills	19.97	0.42	20.28	0.41	20.45	0.41
	Meghalaya	**346.97**	**7.89**	**347.58**	**7.79**	**345.89**	**7.55**

Table 5.4 (b) : Estimated Total Egg production. (Lakhs Numbers) 2015-16.

Sl No.	Name of Districts	Total egg		Annual Production Current Year 2015-16	Annual Production Previous Year 2014-15	Percentage Increase or Decrease over the Previous year
		Fowls	Duck			
1.	East Khasi Hills	180.53	2.68	183.21	173.65	(+) 5.51%
2.	Ri Bhoi	137.64	1.34	138.98	136.48	(+) 1.83%
3	West Khasi Hills	109.65	0.11	109.76	109.80	(-) 3.64%
4	South West Khasi Hills	27.48	0.29	27.77	27.47	(+)1.09%
5	East Jaintia Hills	53.89	0.14	54.03	55.89	(-) 3.33%
6	West Jaintia Hills	85.68	0.59	86.27	91.51	(-) 5.73%
7	North Garo Hills	70.88	0.16	71.04	71.10	(-) 0.08%
8	East Garo Hills	59.01	0.48	59.49	59.62	(-) 0.22%
9	West Garo Hills	201.38	11.50	212.88	217.23	(-)2.00%
10.	South West Garo Hills	53.60	4.69	58.29	57.47	(+)1.43%
11	South Garo Hills	60.71	1.24	61.95	56.76	(+)9.14%
	Meghalaya	**1040.44**	**23.23**	**1063.67**	**1056.98**	**(+) 0.63%**

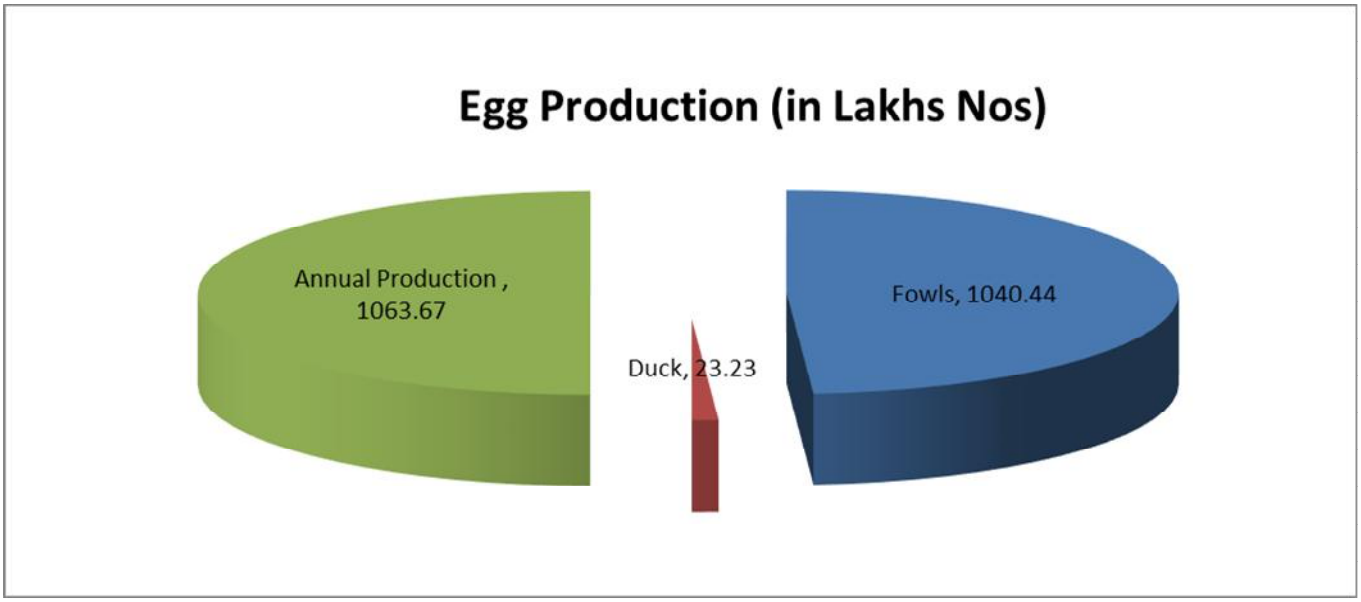


Table 5.5: Estimated Numbers of Layers in Meghalaya from 1983-84.
Lakhs Nos.

Year	Fowls			Duck			Both Fowls & Ducks		
	Desi	Improved	Total	Desi	Improved	Total	Desi	Improved	Total
1983-84	4.72	0.19	4.91	-	-	-	4.72	0.19	4.91
1984-85	5.21	0.19	5.40	-	-	-	5.21	0.19	5.40
1985-86	5.35	0.20	5.55	-	-	-	5.35	0.20	5.55
1986-87	5.08	0.20	5.28	-	-	-	5.08	0.20	5.28
1987-88	5.21	0.20	5.41	-	-	-	5.21	0.20	5.41
1988-89	5.38	0.22	5.60	-	-	-	5.38	0.22	5.60
1989-90	5.17	0.34	5.72	-	-	-	5.17	0.34	5.51
1990-91	5.38	0.34	5.72	-	-	-	5.38	0.34	5.72
1991-92	5.37	0.31	5.68	0.24	0.03	0.27	5.61	0.34	5.95
1992-93	5.59	0.35	5.94	0.24	0.03	0.27	5.83	0.38	6.21
1993-94	5.81	0.40	6.21	0.29	0.03	0.32	6.10	0.43	6.53
1994-95	5.93	0.40	6.33	0.29	0.03	0.32	6.22	0.43	6.65
1995-96	6.02	0.43	6.45	0.36	0.03	0.29	6.38	0.45	6.83
1996-97	6.33	0.47	6.80	0.37	0.03	0.40	6.70	0.50	7.20
1997-98	6.53	0.48	7.01	0.35	0.03	0.38	6.88	0.51	7.39
1998-99	6.61	0.46	7.07	0.34	0.03	0.37	6.95	0.49	7.44
1999-2000	6.86	0.51	7.37	0.35	0.03	0.38	7.21	0.54	7.75
2000-01	7.15	0.57	7.72	0.22	0.01	0.23	7.31	0.58	7.89
2001-02	7.33	0.58	7.91	0.23	0.01	0.24	7.56	0.59	8.15
2002—03	7.47	0.59	8.06	0.24	0.02	0.26	7.71	0.60	8.31
2003-04	7.63	0.60	8.23	0.24	0.01	0.25	7.87	0.61	8.48
2004-05	7.70	0.61	8.31	0.24	0.01	0.25	7.94	0.62	8.56
2005-06	7.79	0.62	8.41	0.24	0.02	0.26	8.03	0.64	8.67
2006-07	7.88	0.63	8.51	0.24	0.02	0.26	8.12	0.65	8.77
2007-08	7.97	0.64	8.61	0.25	0.02	0.26	8.22	0.66	8.88
2008-09	8.08	0.65	8.73	0.25	0.02	0.27	8.33	0.67	9.00
2009-10	8.12	0.66	8.78	0.25	0.02	0.27	8.37	0.68	9.05
2010-11	8.14	0.66	8.80	0.25	0.02	0.27	8.39	0.68	9.07
2011-12	8.14	0.66	8.80	0.26	0.02	0.28	8.40	0.68	9.08
2012-13	8.19	0.67	8.86	0.26	0.02	0.28	8.45	0.69	9.14
2013-14	8.24	0.84	9.08	0.26	0.02	0.28	8.49	0.86	9.35
2014-15	8.23	0.824	9.054	0.23	0.007	0.24	8.47	0.83	9.294
2015-16	8.34	0.823	9.163	0.217	0.003	0.22	8.557	0.826	9.383

Note: - Estimation on Duck Population was taken up from 1991-92 onwards.

Table 5.6: Estimated Yield per annum per layer in Meghalaya and Total Egg production from 1983-84.

Year	Estimated Yield		Overall	Total Eggs Production (Lakhs Nos.)			Percentage increase (+) or decrease (-) over previous year
	Desi	Improved		Desi	Improved	Total	
1983-84	100	213	104	474.11	39.86	513.97	(+) 6.89
1984-85	98	206	102	510.77	38.62	549.39	(+) 5.30
1985-86	98	209	104	537.12	41.33	578.50	(+) 3.78
1986-87	109	217	114	556.06	44.30	600.36	(+) 3.78
1987-88	110	217	114	573.95	42.76	616.71	(+) 2.72
1988-89	109	219	113	586.88	48.36	635.24	(+) 3.00
1989-90	108	219	115	562.49	73.45	636.28	(+) 0.16
1990-91	110	219	116	591.36	73.79	665.15	(+) 4.54
1991-92	105	219	112	593.38	74.51	667.89	(+) 0.41
1992-93	106	219	113	617.97	82.46	700.43	(+) 4.87
1993-94	105	201	111	641.89	85.71	726.60	(+) 3.74
1994-95	107	201	113	665.44	85.71	751.14	(+) 3.38
1995-96	105	219	113	669.92	99.34	769.26	(+) 2.41
1996-97	103	204	110	690.70	101.27	791.97	(+) 2.95
1997-98	103	207	110	709.06	105.19	814.25	(+) 2.81
1998-99	104	208	111	722.70	101.91	824.61	(+) 1.27
1999-2000	102	207	109	735.19	112.11	847.25	(+) 2.75
2000-01	102	209	110	752.37	121.63	874	(+) 3.16
2001-02	102	221	107	770.76	131.12	901.88	(+) 3.19
2002-03	102	216	110	786.13	129.94	916.07	(+) 1.57
2003-04	102	217	110	803.00	133.00	936.00	(+) 2.18
2004-05	102	217	110	810.08	135.62	945.70	(+) 1.04
2005-06	104	216	113	835	138	973	(+) 2.85
2006-07	103	218	112	836.79	141.20	977.99	(+) 0.51
2007-08	103	218	112	846.07	142.58	988.65	(+) 1.09
2008-09	102	217	109	853.41	144.32	997.73	(+) 2.04
2009-10	102	216	111	854.12	145.58	999.7	(+) 0.20%
2010-11	103	217	112	864.76	146.65	1011.41	(+) 1.17%
2011-12	104	217	112	872.83	147.82	1020.65	(+) 0.91%
2012-13	104	217	113	878.12	149.51	1027.63	(+) 0.69%
2013-14	103	212	112	868.99	180.38	1049.37	(+) 2.11%
2014-15	104	214	114	879.38	177.60	1056.98	(+) 0.725%
2015-16	104	217	105	887.19	176.48	1063.67	(+) 0.63%

Chapter – 6

SEASON WISE PERCENTAGE UTILISATION OF MILK AND EGGS IN SAMPLE HOUSEHOLD. 2015-16

Table 6.1: Utilisation of Milk.

Season	Sold as fluid Milk	Converted into Milk products	Consumed as Fluid Milk in the Household	Total
Summer	96.78	1.15	3.07	100
Monsoon	94.21	0.75	5.04	100
Winter	95.24	0.66	4.10	100
Overall	95.06	0.80	4.14	**100**

Table 6.2: Percentage Utilization of Produced Eggs.

Season	Utilisation for Home consumption	Set for Hatching	Egg Sold	Damaged or Spoiled	Total
Summer	23.24	36.14	34.72	5.90	100
Monsoon	13.92	20.85	63.98	1.25	100
Winter	13.90	23.82	60.95	1.33	100
Overall	17.43	27.64	51.89	3.04	**100**

Table 6.3: Season wise Percentage of Animals which were Grazed, Stallfed or Both. 2015-16

Sl No.	Category of Animals	SUMMER				MONSOON				WINTER			
		Only Grazed (%)	Only Stallfed (%))	Both	Over all	Only Grazed (%)	Only Stallfed (%))	Both	Over all	Only Grazed (%)	Only Stallfed (%))	Both	Over all
1	2	3	4	5	6	7	8	9	10	11	12	13	14
1.1	**CATTLE INDIGENOUS**												
	(a) In Milk	83.97	5.66	10.37	100%	80.25	4.98	14.77	100%	86.63	3.93	9.44	100%
	(b) Adult Male	84.50	5.73	9.77	100%	81.23	5.36	13.41	100%	86.27	3.94	9.79	100%
	(c) Young Stock upto 3 Years old.	63.65	30.18	6.17	100%	65.01	29.77	5.22	100%	64.13	29.80	6.07	100%
	Overall :-	**79.50**	**11.28**	**9.22**	100%	**77.31**	**10.42**	**12.27**	100%	**82.20**	**8.91**	**8.89**	100%
1.2	**CROSS BRED**												
	(a) In Milk	6.30	82.91	10.79	100%	15.30	79.29	5.41	100%	14.66	75.14	10.20	100%
	(b) Adult Male	64.82	15.74	19.44	100%	43.56	47.53	8.91	100%	16.44	71.23	12.33	100%
	(c) Young Stock upto 3 Years old.	16.01	75.82	8.17	100%	24.48	64.01	11.51	100%	21.76	68.87	9.37	100%
	Overall :-	**14.89**	**74.19**	**10.92**	100%	**18.54**	**74.74**	**6.72**	100%	**16.73**	**73.19**	**10.08**	100%
2	**BUFFALOES**												
	(a) In Milk	89.33	-	10.67	100%	91.47	-	8.53	100%	90.16	-	9.84	100%
	© Adult Male	93.84	-	6.16	100%	92.97	-	7.03	100%	90.74	-	9.26	100%
	(d) Young Stock upto 3 Years old.	94.54	-	5.46	100%	89.83	-	10.17	100%	83.33	-	16.67	100%
	Overall :-	**93.39**	**-**	**6.61**	100%	**92.06**	**-**	**7.94**	100%	**88.74**	**-**	**11.26**	100%

ANNEXURE – X

Distributions of Animals as per the feeding practices observed in the selected households

Name of State : **Meghalaya** **Year -2015-16**

Sl. No	Category of Animals	Total No. Animals	Average Feed Consumption (in Kg.per animals/ per day)												Total No. Of Animals		
			Green Fodder				Dry Fodder				Concentrate						
			Summer	Rainy	Winter	Annual	Summer	Rainy	Winter	Annual	Summer	Rainy	Winter	Annual	Summer	Rainy	Winter
1	**Cattle Indigenous/ NonDiscript)**																
	a) Adult Female	1532	4.82	5.54	2.56	4.09	2.09	2.68	1.57	2.05	1.36	1.42	1.52	1.44	506	386	640
	b) Adult Male	311	2.3	2.82	1.15	1.9	1.2	0	1.3	0.97	0	0	0	0	100	71	140
	c) Young Stock upto 3 years	1111	1.2	1.46	0.74	1.1	0	0	0.62	0.18	0	0	0	0	614	169	328
	d) Overall (%)	2954	44.48	30.72	24.8	100	31.4	24.44	44.16	100	35	25.18	39.82	100	1220	626	1108
2	**Cattle (Exotic/ Cross-bred)**																
	a) Adult Female	1847	35.14	35.74	6.83	23.95	12.75	13.64	18.34	15.46	5.44	6.05	6.04	5.83	601	461	785
	b) Adult Male	265	17.62	17.62	2.92	12.13	6.31	5.62	7.3	6.44	2.2	2.2	2.2	2.2	74	92	99
	c) Young Stock upto 2 & 1/2 years	507	3.94	5.21	2.2	3.72	1.42	0	2.18	1.29	0	0	0	0	212	133	162
	d) Overall (%)	2619	47.19	39.37	13.44	100	25.96	21.86	52.18	100	29.18	25.76	45.06	100	887	686	1046
3	**Buffalo**																
	a) Adult Female	566	7.6	8	2.68	5.79	1.16	1.34	1.76	1.44	0.8	0.92	0.92	0.88	162	180	224
	b) Adult Male	219	3.94	4.44	1.34	3.09	0	0	0	0	0	0	0	0	57	76	86
	c) Young Stock upto 3 years	281	1.42	1.54	0.76	1.17	0	0	0	0	0	0	0	0	64	95	122
	d) Overall (%)	1066	35.49	45.34	19.18	100	26.15	27	46.85	100	29.54	30.35	40.11	100	283	351	432

Source : LPS- 1.2. Block-II

Table 6.5: Season wise Utilisation of Dung collected From Bovine at Sample Household 2015-16.

Sl No.	Particulars	Unit	Summer	Monsoon	Winter	**Over all**
1.	Total No. of Sample animals observed for Dung Utilisation.	Nos.	2869	2596	2871	8336
2.	Average quantity of Dung collected per animal per day.	Kg	3.29	3.31	3.24	3.28
3.	Dung Utilized for manure.	Percentage	89.53	91.88	97.61	93.09
4.	Dung Utilized for Dung cake.	Percentage	5.76	5.75	1.07	4.13
5.	Dung Utilized for other purpose.	Percentage	4.71	2.37	1.32	2.78

Table 6.6: Per Capita availability of Milk and Egg

Items	Unit	Per Capita Availability
Milk	Grams / day	77
Eggs	Nos. / year	35

Meat Production – 2015-16

Meat Production – 2015-16

Table 7.1: District wise & Season wise number of Animals & Poultry Slaughtered.

Sl No.	Particulars	East Khasi Hills	Ri-Bhoi	West Khasi Hills	South West Khasi Hills	East Jaintia Hills	West Jaintia Hills	North Garo Hills	East Garo Hills	West Garo Hills	South West Garo Hills	South Garo Hills	State	Source	
														Within the State	Brought from outside the State
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
	Category of Animals Slaughter. SUMMER														
(a)	Cattle.	43971	6094	11176	2079	3564	6423	1916	2530	5924	947	3689	**88313**	**46844**	**41469**
(b)	Buffaloes.	56	81	0	0	483	232	0	91	525	90	0	**1558**	**1558**	
©	Pig	44658	8309	8873	2368	4095	7395	951	2112	4454	677	2669	**86561**	**78614**	**7947**
(d)	Sheep & Goat	17663	2088	415	253	4529	2917	250	2495	4659	657	3282	**39208**	**37358**	**1850**
(e)	Poultry.	529490	103353	77147	18790	54922	117937	22887	36797	83196	15474	27690	**1087683**	**1059056**	**28627**
	MONSOON														
(a)	Cattle.	46086	5333	12455	2541	1393	2929	1618	2660	8865	1870	2703	**88453**	**44682**	**43771**
(b)	Buffaloes.	140	0	0	0	97	108	0	605	475	425	0	**1850**	**1850**	
©	Pig.	26794	9311	14787	2368	2316	4770	1523	3785	8687	5578	5681	**85600**	**78063**	**7537**
(d)	Sheep & Goat	12517	4864	4458	937	2069	1369	1047	3524	5051	1743	4320	**41899**	**39782**	**2117**
(e)	Poultry.	237207	89760	174582	28712	28588	59486	24934	57843	95825	26350	91479	**914766**	**887658**	**27108**
	WINTER														
(a)	Cattle.	33581	9208	17097	2614	1136	5180	1618	2119	8333	1785	3862	**86533**	**51452**	**35081**
(b)	Buffaloes.	140	0	0	0	77	108	0	605	422	425	0	**1777**	**1777**	
©	Pig.	25359	9233	15776	3478	3030	5217	5044	4658	11064	2551	5360	**90770**	**82870**	**7900**
(d)	Sheep & Goat	11774	5532	3821	789	3426	2115	1332	4008	7108	1828	5621	**47354**	**44961**	**2393**
(e)	Poultry.	233181	89344	177886	32974	63787	61674	38600	92523	178295	48308	145052	**1161624**	**1122255**	**39369**

Table 7.2: District wise Numbers of Animals Slaughtered (Over-all)

'000' Numbers

Sl No	Category of Animals Slaughtered	East Khasi Hills	Ri-Bhoi	West Khasi Hills	South West Khasi Hills	East Jaintia Hills	West Jaintia Hills	North Garo Hills	East Garo Hills	West Garo Hills	South West Garo Hills	South Garo Hills	Total	Source	
														Within the State	Brought from outside the State
1	2	3	4	5			6		7	8		9	10	11	12
1.	Cattle	123.64	20.64	40.73	7.23	6.09	14.53	5.15	7.31	23.12	4.6	10.25	**263.29**	142.97	**120.32**
2.	Buffaloes	0.34	0.08	0	0	0.66	0.45	0	1.3	1.42	0.94	0	**5.19**	5.19	**0**
3.	Pig	96.81	26.85	39.44	8.21	9.44	17.38	7.52	10.56	24.21	8.81	13.71	**262.94**	239.56	**23.38**
4.	Sheep & Goat	41.95	12.48	8.69	1.98	10.02	6.40	2.63	10.03	16.82	4.23	13.22	**128.45**	122.09	**6.36**
5.	Poultry	999.88	282.46	429.62	80.48	147.3	239.1	86.42	187.16	357.32	90.13	264.22	**3164.09**	3068.99	**95.1**

Table 7.3: District wise & Season wise Average Yield per Animals (In Kg.).

Sl No.	Particulars	East Khasi Hills	Ri-Bhoi	West Khasi Hills	South West Khasi Hills	East Jaintia Hills	West Jaintia Hills	North Garo Hills	East Garo Hills	West Garo Hills	South West Garo Hills	South Garo Hills	**State**
1	2	3	4	5	6	7	8	9	10	11	12	13	14
	Category of Animals Slaughter. SUMMER												
(a)	Cattle.	89.42	89.63	89.59	89.44	89.67	89.58	88.96	89.75	89.91	89.96	89.44	**89.52**
(b)	Buffaloes.	118.00	117.69	0.00	0.00	117.53	119.07	0.00	117.68	117.98	117.63	0.00	**117.95**
(c)	Pig.	43.31	43.22	43.11	43.37	43.06	43.07	43.47	43.45	43.16	43.31	43.61	**43.26**
(d)	Sheep & Goat.	10.19	10.36	10.22	10.19	10.18	10.20	10.22	10.23	10.29	10.23	10.43	**10.23**
(e)	Poultry.	1.29	1.30	1.27	1.30	1.28	1.28	1.27	1.27	1.25	1.25	1.25	**1.28**
	MONSOON												
(a)	Cattle.	90.00	89.84	89.75	89.59	89.76	89.60	89.69	89.67	89.95	90.00	89.90	**89.90**
(b)	Buffaloes.	118.00				117.04	118.36		118.00	118.03	117.00		**117.75**
(c)	Pig.	43.50	43.40	43.50	43.40	43.40	43.30	43.29	43.29	43.30	43.30	43.40	**43.42**
(d)	Sheep & Goat.	10.30	10.30	10.30	10.30	10.30	10.40	10.40	10.30	10.30	10.30	10.40	**10.32**
(e)	Poultry.	1.40	1.30	1.30	1.30	1.30	1.30	1.30	1.30	1.30	1.30	1.30	**1.33**
	WINTER												
(a)	Cattle.	90.00	89.73	89.75	89.72	89.74	89.70	89.69	89.70	89.95	90.00	89.87	**89.87**
(b)	Buffaloes.	118.00	0.00			118.31	118.36		118.00	118.09	118.00		**118.06**
(c)	Pig.	43.50	43.40	43.50	43.40	43.40	43.33	43.30	43.40	43.50	43.28	41.86	**43.35**
(d)	Sheep & Goat.	10.40	10.30	10.40	10.30	10.40	10.40	10.40	10.30	10.40	10.30	10.40	**10.37**
(e)	Poultry.	1.40	1.40	1.30	1.30	1.30	1.30	1.30	1.30	1.40	1.30	1.30	**1.34**

Table 7.4: District wise Average Yield per Animal (In Kg.) Over-all

Sl No.	Name of Districts	Cattle	Buffaloes	Pigs	Sheep & Goat	Poultry
1	2	3	4	5	6	7
1.	East Khasi Hills	89.79	118	43.41	10.28	1.34
2.	Ri – Bhoi	89.73	117.69	43.34	10.31	1.33
3.	West Khasi Hills	89.71	NA	43.41	10.34	1.29
4.	South West Khasi Hills	89.6	NA	43.39	10.28	1.3
5.	East Jaintia Hills	89.7	117.55	43.25	10.28	1.29
6.	West Jaintia Hills	89.63	118.73	43.21	10.31	1.29
7.	North Garo Hills	89.42	NA	43.32	10.38	1.29
8.	East Garo Hills	89.71	117.98	43.41	10.28	1.29
9.	West Garo Hills	89.92	118.03	43.37	10.34	1.34
10.	South West Garo Hills	89.99	117.51	43.3	10.29	1.29
11.	South Garo Hills	89.73	NA	42.84	10.41	1.29
	State (Overall)	**89.76**	**117.92**	**43.34**	**10.31**	**1.32**

Table 7.5: District wise Total Meat Production (In Tonnes)

Sl No.	Particulars	East Khasi Hills	Ri-Bhoi	West Khasi Hills	South West Khasi Hills	East Jaintia Hills	West Jaintia Hills	North Garo Hills	East Garo Hills	West Garo Hills	South West Garo Hills	South Garo Hills	**State**	Source	
														Within the State	Brought from outside the State
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
	SUMMER														
1.	Cattle.	3932	546	1001	186	320	575	170	227	533	85	330	**7905**	4193	3712
2.	Buffaloes	7	10	0	0	57	28	0	11	62	11	0	**186**	186	0
3.	Pigs	1934	359	383	103	176	319	41	92	192	29	116	**3744**	3400	344
4.	Sheep &Goat.	180	22	4	3	46	30	3	26	48	7	34	**403**	384	19
5.	Poultry.	683	134	98	24	70	151	29	47	104	19	35	**1394**	1357	37
	TOTAL	**6736**	**1071**	**1486**	**316**	**669**	**1103**	**243**	**403**	**939**	**151**	**515**	**13632**	**9520**	**4112**
	MONSOON														
1.	Cattle.	4148	479	1118	228	125	262	145	239	797	168	243	**7952**	4017	3935
2.	Buffaloes	17	0	0	0	11	13	0	71	56	50	0	**218**	218	0
3.	Pigs	1166	404	643	103	101	207	66	164	376	242	247	**3719**	3392	327
4.	Sheep &Goat.	129	50	46	10	21	14	11	36	52	18	45	**432**	410	22
5.	Poultry.	332	117	227	37	37	77	32	75	125	34	119	**1212**	1176	36
	TOTAL	**5792**	**1050**	**2034**	**378**	**295**	**573**	**254**	**585**	**1406**	**512**	**654**	**13533**	**9213**	**4320**
	WINTER														
1.	Cattle.	3022	826	1534	235	102	465	145	190	750	161	347	**7777**	4624	3153
2.	Buffaloes	17	0	0	0	9	13	0	71	50	50	0	**210**	210	0
3.	Pigs	1103	401	686	151	132	226	218	202	481	110	224	**3934**	3592	342
4.	Sheep &Goat.	122	57	40	8	36	22	14	41	74	19	58	**491**	466	25
5.	Poultry.	326	125	231	43	83	80	50	120	250	63	189	**1560**	1507	53
	TOTAL	**4590**	**1409**	**2491**	**437**	**362**	**806**	**427**	**624**	**1605**	**403**	**818**	**13972**	**10399**	**3573**
	OVERALL	**17118**	**3530**	**6011**	**1131**	**1326**	**2482**	**924**	**1612**	**3950**	**1066**	**1987**	**41137**	**29132**	**12005**

Table 7.6: District wise Season wise Total Meat Production (In Tonnes)

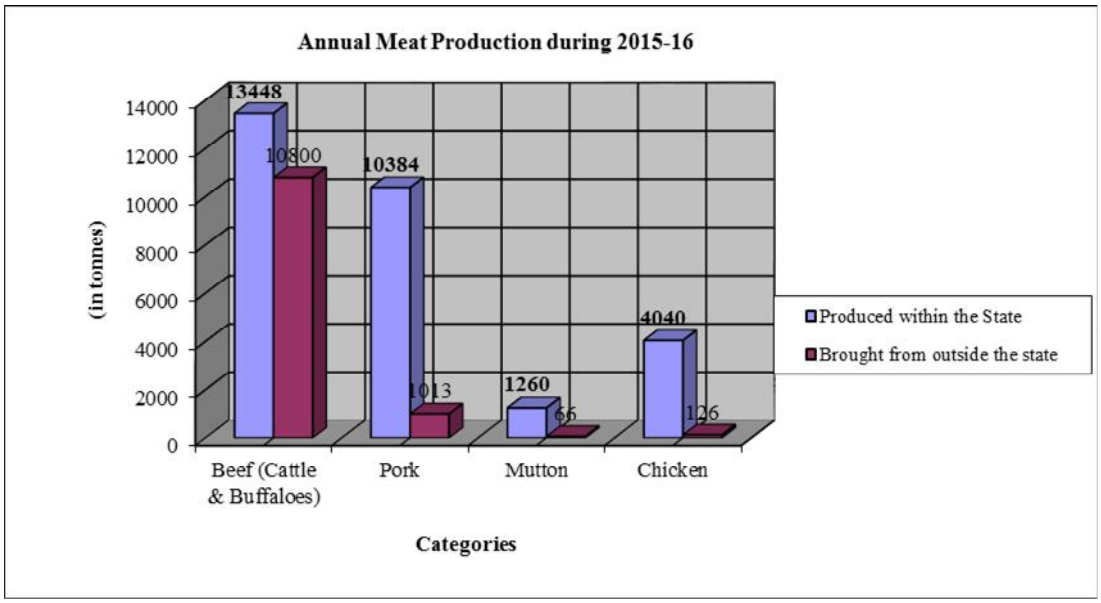
Sl No	Particulars	East Khasi Hills	Ri-Bhoi	West Khasi Hills	South West Khasi Hills	East Jaintia Hills	West Jaintia Hills	North Garo Hills	East Garo Hills	West Garo Hills	South West Garo Hills	South Garo Hills	Total	Source	
														Within the State	Brought from outside the State
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
1.	Cattle	11102	1851	3653	649	547	1302	460	656	2080	414	920	**23634**	12834	10800
2	Buffaloes	41	10	0	0	77	54	0	153	168	111	0	**614**	614	0
3.	Pig	4203	1164	1712	357	409	752	325	458	1049	381	587	**11397**	10384	1013
4.	Sheep & Goat	431	129	90	21	103	66	28	103	174	44	137	**1326**	1260	66
5.	Poultry	1341	376	556	104	190	308	111	242	479	116	343	**4166**	4040	126
	TOTAL	**17118**	**3530**	**6011**	**1131**	**1326**	**2482**	**924**	**1612**	**3950**	**1066**	**1987**	**41137**	**29132**	**12005**

Table 7.7: District wise and Category wise Total Meat Production.

Sl No.	Name of Districts	Meat Production Category Wise (Tonnes)						Annual Production 2015-16	Percentage Contribution to Total Meat Production
		Cattle	Buffalo	Total Beef	Pork	Mutton	Chicken	(Col 5 – 8)	
1	2	3	4	5	6	7	8	9	10
1.	East Khasi Hills	11102	41	11143	4203	431	1341	17118	**41.61 %**
2.	Ri – Bhoi	1851	10	1861	1164	129	376	3530	**8.58 %**
3.	West Khasi Hills	3653	0	3653	1712	90	556	6011	**14.61 %**
4	South West Khasi Hills	649	0	649	357	21	104	1131	**2.75 %**
5	East Jaintia Hills	547	77	624	409	103	190	1326	**3.22 %**
6	West Jaintia Hills	1302	54	1356	752	66	308	2482	**6.03 %**
7	North Garo Hills	460	0	460	325	28	111	924	**2.25 %**
8	East Garo Hills	656	153	809	458	103	242	1612	**3.92 %**
9	West Garo Hills	2080	168	2248	1049	174	479	3950	**9.6 %**
10	South West Garo Hills	414	111	525	381	44	116	1066	**2.59 %**
11	South Garo Hills	920	0	920	587	137	343	1987	**4.83 %**
	State (Overall)	**23634**	**614**	**24248**	**11397**	**1326**	**4166**	**41137**	**100 %**
	Percentage Contribution of each species to total production	**57.45%**	**1.49%**	**58.94%**	**27.7%**	**3.22%**	**10.13%**	**100%**	

Table 7.8: Growth Rate, Percentage Contribution of each Category toTotal Meat production with Per Capita Availability.

Sl No.	Items	Annual Meat Production (in tonnes)						Percentage Increase (+) or Decrease (-) over 2014-15
		2015-16			2014-15			
		Produced within the State	Brought from outside the State	Total	Produced within the State	Brought from outside the State	Total	
1	2	3	4	5	6	7	8	9
1	Beef (Cattle & Buffaloes)	13448	10800	24248	15898	8751	24649	(-) 1.62%
2	Pork	10384	1013	11397	9651	1435	11086	(+) 2.81%
3	Mutton	1260	66	1326	1249	49	1298	(+)2.16%
4	Chicken	4040	126	4166	4122	165	4287	(-) 2.82%
5	Total	**29132**	**12005**	**41137**	**30920**	**10400**	**41320**	**(-) 0.44%**



7.9: Per Capita Availability of Meat Grams / Day 2015-16

Items	Per Capita Availability
Beef	22.41
Pork	10.53
Mutton	1.23
Chicken	3.85
Total	**38.02**

Table 7.10: Estimated Number of Animals Slaughtered from 1983-84.

Year	Number of Animals Slaughtered ('000' Nos.)				
	Cattle	Buffaloes	Pig	Sheep & Goat	Poultry
1983-84	104.5	0.1	88.9	56.7	N.S
1984-85	108.7	0.5	96.7	55.9	N.S
1985-86	116.0	0.6	125.7	68.9	N.S
1986-87	125.7	0.6	143.6	76.5	N.S
1987-88	132.3	0.5	146.9	77.8	N.S
1988-89	141.4	0.6	155.0	85.7	645.7
1989-90	146.8	0.6	159.8	94.9	684.9
1990-91	157.5	1.0	159.1	103.1	739.7
1991-92	171.6	1.2	169.5	117.6	792.7
1992-93	172.4	0.9	161.7	114.5	905.5
1993-94	174.7	0.6	166.9	107.8	1096
1994-95	179.1	1.4	170.4	108.8	1175
1995-96	193.4	0.9	190.1	116.4	1688
1996-97	183.4	2.9	176.5	131.3	1603
1997-98	185.1	1.7	170.6	138.3	17860
1998-99	191.9	1.9	184.7	122.4	1870
1999-2000	196.9	0.5	191.5	114.4	3102
2000-01	217.0	3.5	184.3	140.1	3243
2001-02	212.0	0.5	194.6	136.1	3566
2002-03	217.54	0.70	209.24	155.47	3739
2003-04	214.32	3.60	228.47	108.70	3209
2004-05	238.63	3.72	249.45	119.12	3101
2005-06	231.4	4.0	243.2	114.30	3395
2006-07	236.04	4.14	236.35	113.91	3679
2007-08	237.49	4.21	237.3	114.77	3696
2008-09	241.13	4.24	239.51	115.51	3650.37
2009-10	245.37	4.35	232.79	117.05	3757.87
2010-11	251.46	4.46	236.13	118.08	3799.39
2011-12	253.09	4.72	238.17	120.43	3796.18
2012-13	252.52	4.59	236.69	118.98	3792.53
2013-14	254.39	4.72	251.53	124.06	3422.45
2014-15	240.82	3.16	231.98	107.11	2974.44
2015-16	263.29	5.19	262.94	128.45	3164.09

Table 7.11: Average Meat Yield per Animal. (Kgs) from 1983-84.

Year	Average Meat Yield Per Animal (Kgs.)				
	Cattle	Buffaloes	Pig	Sheep & Goat	Poultry
1983-84	81.26	133.70	36.15	11.84	-
1984-85	79.03	134.50	36.50	11.73	-
1985-86	73.12	132.80	34.53	10.38	-
1986-87	71.77	132.83	36.23	11.69	-
1987-88	74.77	138.38	41.02	11.50	-
1988-89	76.92	137.21	40.73	10.86	0.84
1989-90	76.30	137.21	41.22	10.19	0.84
1990-91	78.90	123.90	38.90	9.22	0.84
1991-92	78.94	130.36	38.84	9.10	0.84
1992-93	79.57	130.36	41.10	9.13	1.0
1993-94	82.23	127.70	41.54	9.56	0.98
1994-95	84.18	129.90	41.52	10.04	1.05
1995-96	81.62	129.36	42.35	9.66	0.83
1996-97	93.60	117.36	43.02	9.58	0.86
1997-98	95.36	122.01	46.08	9.78	0.97
1998-99	95.00	130.32	44.59	9.84	0.92
1999-2000	94.35	122.26	46.07	9.17	1.00
2000-01	93.49	127.69	45.49	9.35	0.99
2001-02	96.21	122.62	43.73	9.06	1.00
2002-03	97.34	120.63	42.77	9.02	1.04
2003-04	97.47	109.38	43.36	9.03	1.08
2004-05	88.98	106.00	42.15	9.09	1.07
2005-06	90.51	113.95	43.01	8.94	1.08
2006-07	88.60	117.63	42.29	9.04	1.08
2007-08	88.71	117.57	42.46	9.02	1.09
2008-09	88.73	117.46	42.41	8.99	1.09
2009-10	88.89	117.47	42.48	8.99	1.08
2010-11	88.46	117.29	42.48	8.99	1.08
2011-12	88.37	116.92	42.48	9.02	1.09
2012-13	88.67	117.90	42.87	10.00	1.13
2013-14	89.39	119.11	44.38	10.57	1.33
2014-15	89.60	117.80	43.24	10.20	1.30
2015-16	89.76	117.92	43.34	10.31	1.32

Table 7.12: Total Meat production from 1983-84.

Year	Total Meat Production ('000' Tonnes.)				
	Cattle & Buffaloes	Pig	Sheep & Goat	Poultry	Total
1983-84	8.5	3.2	0.7	-	12.4
1984-85	8.7	3.5	0.6	-	12.8
1985-86	8.6	4.3	0.7	-	13.6
1986-87	9.1	5.2	0.9	-	15.2
1987-88	10.0	6.0	0.9	-	16.9
1988-89	11.0	6.3	0.9	0.5	18.7
1989-90	11.3	6.6	1.0	0.5	19.4
1990-91	12.6	6.2	0.9	0.6	20.3
1991-92	13.7	6.6	1.1	0.6	22.0
1992-93	13.8	6.7	1.0	0.9	22.4
1993-94	14.5	6.9	1.0	1.1	23.5
1994-95	15.3	7.1	1.1	1.2	24.7
1995-96	15.9	8.0	1.1	1.4	26.5
1996-97	17.5	7.6	1.2	1.4	27.7
1997-98	17.9	7.9	1.3	1.7	28.8
1998-99	18.5	8.2	1.2	1.7	29.6
1999-2000	18.6	8.8	1.1	3.1	31.6
2000-01	20.7	8.4	1.3	3.2	33.6
2001-02	20.5	8.5	1.2	3.6	33.8
2002-03	21.3	8.9	1.4	3.9	35.5
2003-04	21.3	9.9	1.0	3.4	35.6
2004-05	21.6	10.5	1.1	3.2	36.4
2005-06	21.43	10.46	1.02	3.65	36.56
2006-07	21.40	10.00	1.03	3.98	36.41
2007-08	21.56	10.07	1.04	4.02	36.69
2008-09	21.89	10.16	1.04	3.99	37.08
2009-10	22.32	9.89	1.05	4.06	37.33
2010-11	22.77	10.02	1.06	4.09	37.94
2011-12	22.92	10.10	1.09	4.14	38.25
2012-13	22.93	10.15	1.19	4.26	38.53
2013-14	23.30	11.16	1.31	4.56	40.33
2014-15	24.65	11.08	1.30	4.29	41.32
2015-16	24.25	11.40	1.32	4.17	41.14

ANNEXURE – I

Comparative Analysis showing production estimate with effect from the year 1983-84

Year	Milk Production ('000' tonnes)	Meat Production ('000' tonnes)	Egg Production (Million Nos.)
1	2	3	4
1983-84	40.2	12.4	51.4
1984-85	43.6	12.8	54.9
1985-86	46.2	13.6	57.8
1986-87	47.2	15.2	60.0
1987-88	40.9	16.9	61.6
1988-89	46.7	18.7	63.5
1989-90	47.4	19.4	63.7
1990-91	48.4	20.3	66.5
1991-92	50.4	22.0	66.8
1992-93	51.6	22.4	70.0
1993-94	52.9	23.5	73.0
1994-95	54.0	24.7	75.0
1995-96	55.4	26.5	77.0
1996-97	57.4	27.7	79.2
1997-98	59.1	28.8	81.4
1998-99	60.7	29.6	82.6
1999-2000	61.6	31.6	84.7
2000-2001	64.0	33.0	87.0
2001-2002	65.8	34.0	90.2
2002-03	67.7	35.5	91.6
2003-04	68.25	35.6	93.6
2004-05	71.3	36.4	94.6
2005-06	73.43	36.55	96.25
2006-07	74.62	36.41	97.8
2007-08	7650	36.69	98.90
2008-09	77.50	37.08	99.77
2009-10	78.21	37.33	99.97
2010-11	79.13	37.94	101.14
2011-12	79.67	38.25	102.06
2012-13	80.49	38.53	102.76
2013-14	82.16	40.33	104.94
2014-15	82.96	41.32	105.7
2015-16	83.924	41.14	106.36

Published and Computerized by the Directorate of Animal Husbandry & Veterinary Department, Meghalaya; Shillong.
E-mail-ID: meghvety@gmail.com