



Government of Meghalaya

**REPORT ON INTEGRATED
SAMPLE SURVEY
FOR**

**ESTIMATION OF PRODUCTION
MILK, EGG AND MEAT**

YEAR : 2016-17.



**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 2016– 2017 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 **0.32** % on Milk, **0.02**% on Egg and **2.53** % on Meat over 2015-2016.

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. B.Rijal
Director A.H. & Veterinary Department
Meghalaya, Shillong.

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
	<u>Reporting Area for Land Utilisation Statistics.</u>	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 2016-17.

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	15.69	35.29	31.37	3.92	3.92	1.96	7.85
2.	Ri Bhoi	17.5	40	32.5	7.5	2.5	0	0
3	West Khasi Hills	2.74	45.2	21.92	20.55	2.74	1.37	5.48
4	South West Khasi Hills	7.32	31.71	34.14	17.07	9.76	0	0
5	East Jaintia Hills	2.13	12.77	23.4	23.4	19.15	8.51	10.64
6	West Jaintia Hills	5.41	18.92	29.73	16.22	13.51	10.81	5.4
7	North Garo Hills	0	12.24	30.61	18.37	16.33	6.12	16.33
8	East Garo Hills	5.45	30.91	30.91	18.18	3.64	1.82	9.09
9	West Garo Hills	0	8.11	15.32	15.32	18.92	8.1	34.23
10.	South West Garo Hills	0	1.72	8.62	13.79	18.97	18.97	37.93
11	South Garo Hills	8.33	44.44	31.95	12.5	0	1.39	1.39
	Meghalaya	5.05	24.92	24.92	15.3	10.25	5.52	14.04

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	Indigenous Cattle	Crossbred Cattle	Buffaloes	Pig	Sheep	Goat	Poultry				Overall
								Fowls	Ducks	Improved	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.

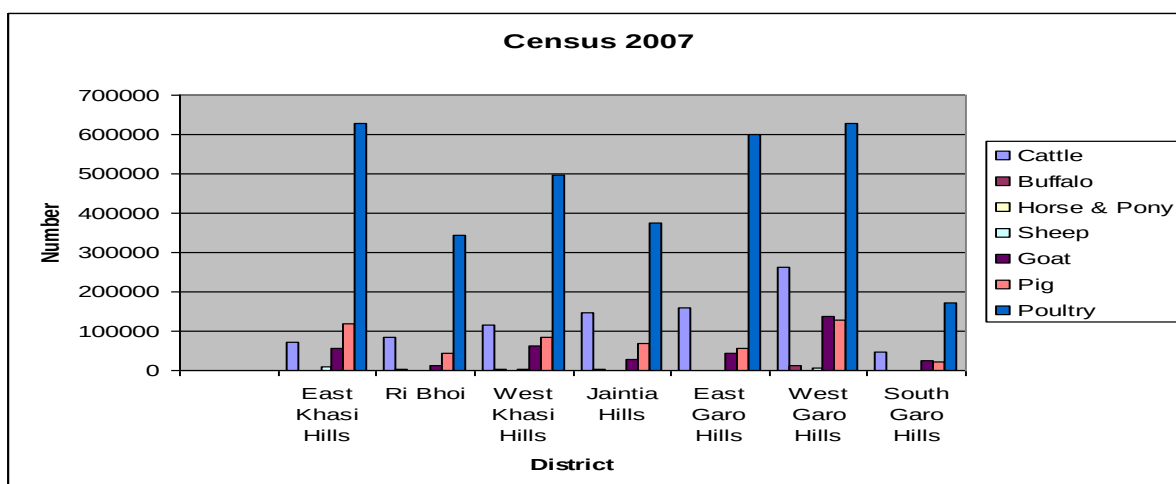
Sl. No.	Name of District	Sheep		Total Sheep	Total Goats	Total Horses & Ponies
		Crossbred	Indigenous			
1.	East Khasi Hills	3	8954	8957	56632	48
2.	Ri – Bhoi	-	116	116	13835	24
3.	West Khasi Hills	189	3327	3516	61786	1732
4.	Jaintia Hills	30	12	42	27005	33
5.	East Garo Hills	-	1260	1260	43652	0
6.	West 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

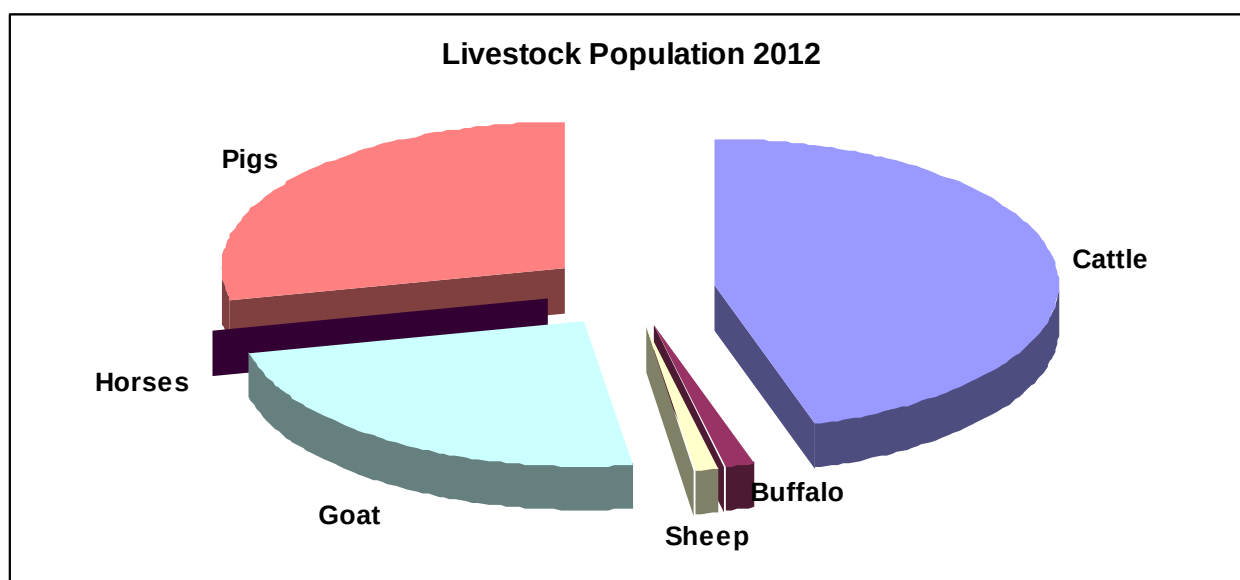
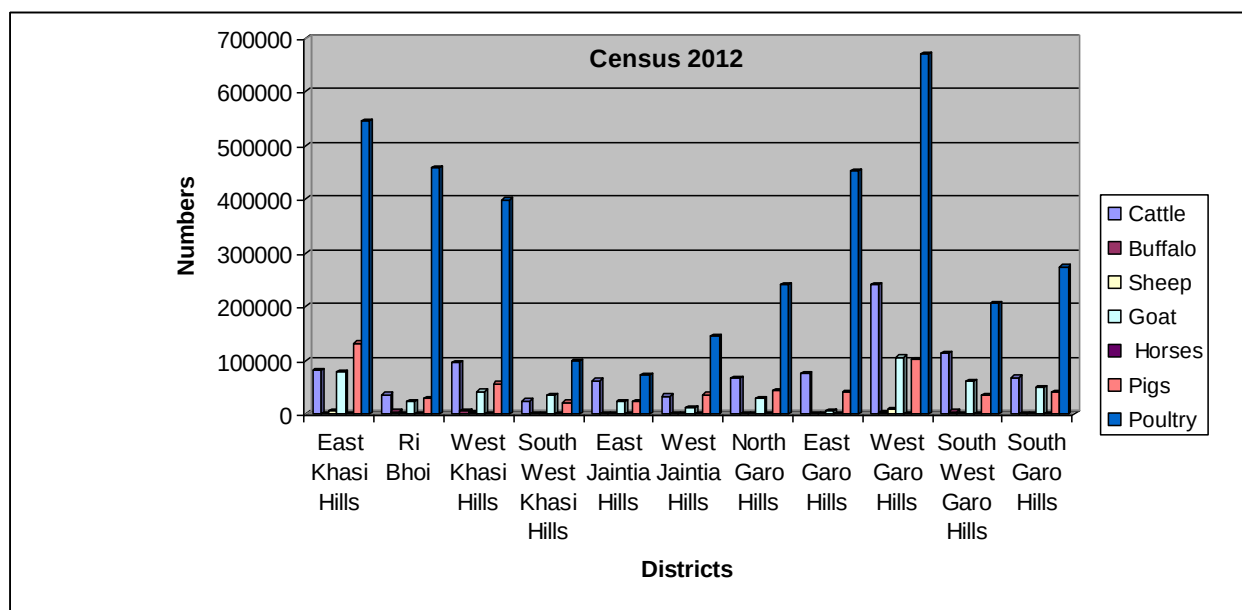


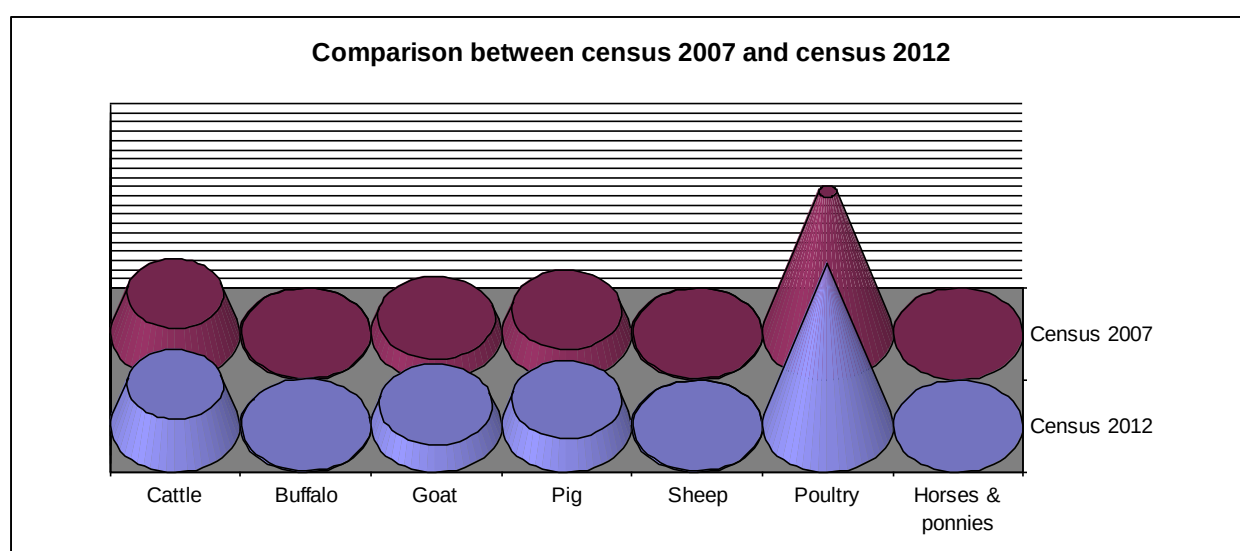
Table 2.4: Poultry Population.

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

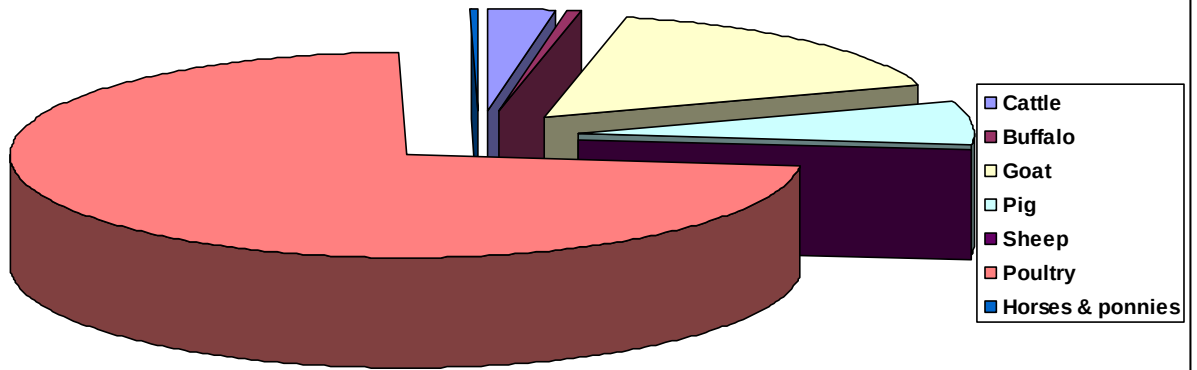


**TABLE – 2.5: LIVESTOCK POPULATION: (as per 2012 Census)
and Growth Rate as compared to 2007 Census**

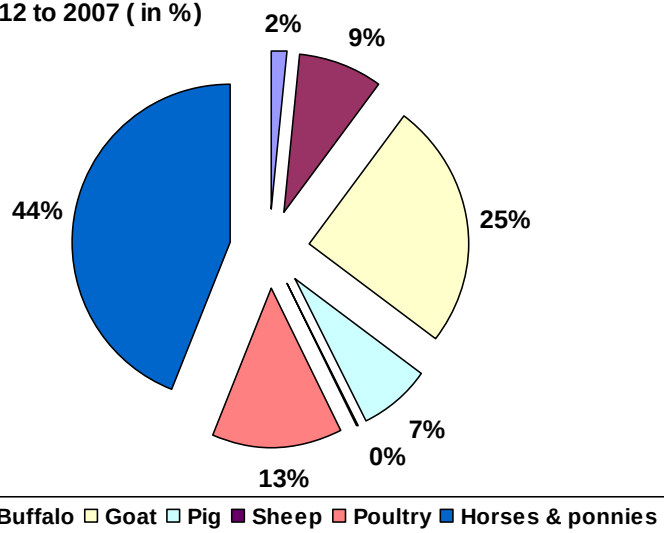
Sl No	Species	Population (Numbers)			Total	Growth Rate (%)	
1	Cattle	Crossbred	Male	5602	26458	-1.45	
			Female	20856			
		Indigenous	Male	355705	879295	2.2	
			Female	523590			
2	Buffalo	Indigenous	Male	16363	24894	10.02	
			Female	8531			
3	Goat	Indigenous	Male	179502	472325	29.23	
			Female	292823			
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)



Growth Rate of Census 2012 to 2007 (in %)



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 2015-16	Estimate Current Year 2016-17	% of Increase or Decrease over previous Year
I	Milk				
	Indigenous Cows				
	Population				
A	In Milk	00 No.	1174	1222	4.09%
B	Milch	00 No.	2441	2350	(-) 3.73%
	Yield per Day				
C	In Milk	Kgs.	0.76	0.762	0.26%
D	Milch	Kgs.	0.366	0.397	8.47%
E	Production	000 tonnes	32.67	34.112	4.41%
	Crossbred Cows				
	Population				
F	In Milk	00 Nos.	151	150	(-)0.66%
G	Milch	00 Nos.	182	177	2.75%
	Yield per day				
H	In Milk	Kgs.	8.895	8.888	(-)0.08%
I	Milch	Kgs.	7.458	7.542	1.13%
J	Production	000 tonnes	49.57	48.771	(-)1.61%

Table 3.11 – contd.

Sl No.	Items	Unit	Estimates Previous Year 2015-16	Estimate Current Year 2016-17	% of Increase or Decrease over previous Year
	Buffalo Population				
K	In Milk	00 No.	25	20	(-)20.0%
L	Milch	00 No.	47	32	(-)31.9%
	Yield per Day				
M	In Milk	Kgs.	1.846	1.839	(-)0.38%
N	Milch	Kgs.	0.976	1.133	16.09%
O	Production	000 tonnes	1.682	1.313	(-)21.94%
	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	83.92	84.19	0.32%
II	Egg Production				
	Layers				
U	Desi	00 No.	8561	8928	4.29%
V	Improved	00 No.	826	733	(-)11.26%
W	Total	00 No.	9387	9661	2.92%
	Yield per layer per year				
X	Desi	No.	104	102	1.92%
Y	Improved	No.	214	214	=
	Production				
Z	Desi	Lakhs Nos.	887.19	907.9	2.33%
Aa	Improved	“	176.48	156.01	(-)11.6%
Ab	Total	“	1063.67	1063.91	0.02%

Table 3.12 Annual Report on Sample Surveys to estimate production of Livestock products.
State: - Meghalaya.
2016-2017

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.	100	110	100	310
2. ©	No. of villages covered for detailed study.				
	i) for Milk	86	93	87	266
	ii) for Egg	86	93	87	266
3.(a)	Total No. of households in the State. (2012 Census) Lakhs Nos.				
3. (b)	Percentage of Households keeping :-				
	i) Bovine	48.53	46.1	44.53	46.38
	ii) Poultry	82.04	81.61	85.11	82.97
	iii) Sheep	0.01	0.59	0.17	0
	iv) Goat	28.34	21.95	17.02	22.41
	v) Pig	58.94	65	85.11	63.85
4. (a)	No. of households covered for Milk production (Cow, Buffalo and Goat)	679	674	555	1908
4. (b)	No. of animals observed for milk production				
	i) Cow in Milk.	794	1022	647	2463
	ii) Buffalo in Milk.	35	47	54	136
	iii) Goat in Milk.	0	0	0	0
5. (a)	No. of Households observed for egg production.	1114	951	945	3010
5. (b)	No. of Layers observed.				
	i) Desi & Improved	4449	3450	4259	12158
	.				

Table 3.12 – Contd.

Sl. No.	Items	Summer	Monsoon	Winter	Annual (Overall)
6. (a)	Estimated No. of Animals Slaughtered. '000' Nos.				
	i) Cattle	87.915	82.977	80.906	251.81
	ii) Buffalo	1.546	1.496	1.689	4.72
	iii) Sheep & Goat	94.942	113.14	111.70	319.78
	iv) Pig	47.166	42.67	42.98	132.81
	v) Poultry	1097.95	914.77	856.40	2870.14

Table 3.13: District-wise Number of Villages selected for complete enumeration during the year 2016-17.

Sl. No.	Name of District	Summer	Monsoon	Winter	Overall
1.	East Khasi Hills	29	28	29	86
2.	Ri Bhoi	11	12	10	33
3	West Khasi Hills	18	18	19	55
4	South West Khasi Hills	5	5	6	16
5	East Jaintia Hills	6	6	6	18
6	West Jaintia Hills	6	6	7	19
7	North Garo Hills	9	9	9	27
8	East Garo Hills	10	10	11	31
9	West Garo Hills	27	27	27	81
10.	South West Garo Hills	9	9	10	28
11	South Garo Hills	15	17	17	49
	State (Overall)	145	147	151	443

Chapter – 4
District-wise & Season-wise Estimates
Milk Production
2016-2017

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	6267	6726	10802	7948
2.	Ri Bhoi	6305	2590	6793	5239
3	West Khasi Hills	11484	16503	17268	15142
4	South West Khasi Hills	6507	6315	6475	6475
5	East Jaintia Hills	11086	10331	11724	11028
6	West Jaintia Hills	2305	1952	5270	3175
7	North Garo Hills	12759	12933	12846	12846
8	East Garo Hills	9555	9188	9261	9408
9	West Garo Hills	28298	28858	28858	29138
10.	South West Garo Hills	14140	14419	14419	14559
11	South Garo Hills	7219	8521	7219	7289
	Meghalaya	115924	118336	130935	122247

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	4897	9192	7662	7250
2.	Ri Bhoi	4713	2140	4283	3712
3	West Khasi Hills	13547	11070	10526	11714
4	South West Khasi Hills	2302	1664	4595	2854
5	East Jaintia Hills	19682	7435	13901	13673
6	West Jaintia Hills	5971	5057	8038	6355
7	North Garo Hills	16223	8804	3530	9519
8	East Garo Hills	7993	6534	5601	6709
9	West Garo Hills	27605	26338	29443	27795
10.	South West Garo Hills	12137	28968	15465	18857
11	South Garo Hills	4023	4180	4675	4293
	Meghalaya	119093	111382	107719	112731

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	11164	15918	18464	15198
2.	Ri Bhoi	11018	4730	11076	8951
3	West Khasi Hills	25031	27573	27794	26856
4	South West Khasi Hills	8809	7979	11070	9329
5	East Jaintia Hills	30768	17766	25625	24701
6	West Jaintia Hills	8276	7009	13308	9530
7	North Garo Hills	28982	21737	16376	22365
8	East Garo Hills	17548	15722	14862	16117
9	West Garo Hills	55903	55196	58301	56933
10.	South West Garo Hills	26277	43387	29884	33416
11	South Garo Hills	11242	12701	11894	11582
	Meghalaya	235017	229718	238654	234978

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	6788	7668	6914
2.	Ri Bhoi	5741	5763	5898	5808
3	West Khasi Hills	193	191	165	183
4	South West Khasi Hills	134	128	108	123
5	East Jaintia Hills	411	408	369	396
6	West Jaintia Hills	191	192	175	187
7	North Garo Hills	51	74	50	58
8	East Garo Hills	39	67	41	49
9	West Garo Hills	718	706	610	679
10.	South West Garo Hills	103	103	35	80
11	South Garo Hills	1533	0	0	516
	Meghalaya	15334	14419	15117	14993

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	1382	1378	1588	1449
2.	Ri Bhoi	571	583	581	578
3	West Khasi Hills	36	35	18	30
4	South West Khasi Hills	63	60	60	61
5	East Jaintia Hills	153	155	148	152
6	West Jaintia Hills	34	32	20	29
7	North Garo Hills	14	12	18	15
8	East Garo Hills	27	19	47	31
9	West Garo Hills	160	153	173	162
10.	South West Garo Hills	31	34	18	28
11	South Garo Hills	420	0	0	140
	Meghalaya	2891	2461	2671	2675

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

Sl. No.	Name of Districts	Milch Cows			
		Summer	Monsoon	Winter	Overall
1.	East Khasi Hills	7604	8166	9256	8363
2.	Ri Bhoi	6312	6346	6479	6386
3	West Khasi Hills	229	226	183	213
4	South West Khasi Hills	197	188	168	184
5	East Jaintia Hills	564	563	517	548
6	West Jaintia Hills	225	224	195	216
7	North Garo Hills	65	86	68	73
8	East Garo Hills	66	86	88	80
9	West Garo Hills	878	859	783	841
10.	South West Garo Hills	134	137	53	108
11	South Garo Hills	1953	0	0	656
	Meghalaya	18225	16881	17788	17668

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

Sl. No.	Name of Districts	In Milk			
		Summer	Monsoon	Winter	Overall
1.	East Khasi Hills	130	104	55	96
2.	Ri Bhoi	536	235	121	298
3	West Khasi Hills	270	195	181	216
4	South West Khasi Hills	31	29	18	26
5	East Jaintia Hills	141	77	43	87
6	West Jaintia Hills	67	50	31	49
7	North Garo Hills	0	0	0	0
8	East Garo Hills	3	0	0	1
9	West Garo Hills	603	587	341	511
10.	South West Garo Hills	702	817	466	666
11	South Garo Hills	0	0	0	0
	Meghalaya	2483	2092	1256	1950

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

Sl. No.	Name of Districts	Dry			
		Summer	Monsoon	Winter	Overall
1.	East Khasi Hills	53	0	43	32
2.	Ri Bhoi	392	0	83	158
3	West Khasi Hills	207	83	98	129
4	South West Khasi Hills	15	10	10	12
5	East Jaintia Hills	61	15	118	65
6	West Jaintia Hills	132	27	27	62
7	North Garo Hills	0	0	0	0
8	East Garo Hills	0	0	0	0
9	West Garo Hills	831	278	293	467
10.	South West Garo Hills	502	227	147	292
11	South Garo Hills	0	0	0	0
	Meghalaya	2193	640	819	1217

Table 4.3 ©: Estimated Number of Productive Buffaloes.

Sl. No.	Name of Districts	Milch			
		Summer	Monsoon	Winter	Overall
1.	East Khasi Hills	183	104	98	128
2.	Ri Bhoi	928	235	204	456
3	West Khasi Hills	477	278	279	345
4	South West Khasi Hills	46	39	28	38
5	East Jaintia Hills	202	92	161	152
6	West Jaintia Hills	199	77	58	111
7	North Garo Hills	0	0	0	0
8	East Garo Hills	3	0	0	1
9	West Garo Hills	1434	865	634	978
10.	South West Garo Hills	1204	1044	613	958
11	South Garo Hills	0	0	0	0
	Meghalaya	4676	2732	2075	3167

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	0.850	0.850	0.855	0.846
2.	Ri Bhoi	1.020	1.030	1.010	1.010
3	West Khasi Hills	0.850	0.850	0.840	0.849
4	South West Khasi Hills	0.820	0.820	0.810	0.817
5	East Jaintia Hills	0.740	0.750	0.750	0.746
6	West Jaintia Hills	0.750	0.740	0.740	0.737
7	North Garo Hills	0.720	0.750	0.710	0.724
8	East Garo Hills	0.690	0.750	0.720	0.714
9	West Garo Hills	0.730	0.730	0.730	0.735
10.	South West Garo Hills	0.730	0.730	0.720	0.722
11	South Garo Hills	0.690	0.730	0.690	0.754
	Meghalaya	0.764	0.771	0.763	0.762

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	0.477	0.359	0.501	0.444
2.	Ri Bhoi	0.584	0.564	0.619	0.593
3	West Khasi Hills	0.390	0.509	0.522	0.475
4	South West Khasi Hills	0.606	0.649	0.474	0.563
5	East Jaintia Hills	0.267	0.436	0.343	0.334
6	West Jaintia Hills	0.209	0.206	0.293	0.246
7	North Garo Hills	0.317	0.446	0.557	0.418
8	East Garo Hills	0.376	0.438	0.449	0.417
9	West Garo Hills	0.370	0.382	0.361	0.368
10.	South West Garo Hills	0.393	0.243	0.347	0.312
11	South Garo Hills	0.443	0.490	0.421	0.467
	Meghalaya	0.377	0.397	0.419	0.397

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	8.960	9.010	8.960	8.943
2.	Ri Bhoi	9.060	9.050	9.030	9.034
3	West Khasi Hills	8.370	8.430	8.390	8.387
4	South West Khasi Hills	8.360	8.430	8.380	8.397
5	East Jaintia Hills	8.840	8.840	8.840	8.844
6	West Jaintia Hills	8.840	8.830	8.840	8.793
7	North Garo Hills	8.770	8.770	8.770	8.783
8	East Garo Hills	8.740	8.730	8.730	8.720
9	West Garo Hills	8.450	8.500	8.450	8.461
10.	South West Garo Hills	8.440	8.500	8.440	8.499
11	South Garo Hills	8.280	0.000	0.000	8.222
	Meghalaya	8.884	8.975	8.876	8.888

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	7.332	7.490	7.422	7.393
2.	Ri Bhoi	8.240	8.219	8.220	8.216
3	West Khasi Hills	7.054	7.106	7.542	7.206
4	South West Khasi Hills	5.665	5.740	5.362	5.613
5	East Jaintia Hills	6.442	6.406	6.309	6.391
6	West Jaintia Hills	7.504	7.569	7.933	7.612
7	North Garo Hills	6.814	7.495	6.449	6.978
8	East Garo Hills	5.165	6.801	4.018	5.341
9	West Garo Hills	6.910	6.986	6.583	6.831
10.	South West Garo Hills	6.456	6.391	5.494	6.296
11	South Garo Hills	6.499	NA	NA	6.467
	Meghalaya	7.474	7.666	7.543	7.542

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	1.85	1.85	1.85	1.855
2.	Ri Bhoi	1.85	1.85	1.85	1.864
3	West Khasi Hills	1.85	1.85	1.85	1.845
4	South West Khasi Hills	1.83	1.85	1.85	1.824
5	East Jaintia Hills	1.84	1.85	1.86	1.852
6	West Jaintia Hills	1.84	1.85	1.85	1.863
7	North Garo Hills	0	0	0	0
8	East Garo Hills	0	0	0	0
9	West Garo Hills	1.85	1.85	1.86	1.856
10.	South West Garo Hills	1.85	1.84	1.84	1.848
11	South Garo Hills	NA	NA	0	NA
	Meghalaya	1.845	1.846	1.836	1.839

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	1.309	1.850	1.038	1.391
2.	Ri Bhoi	1.069	1.850	1.102	1.209
3	West Khasi Hills	1.047	1.297	1.200	1.154
4	South West Khasi Hills	1.213	1.376	1.156	1.247
5	East Jaintia Hills	1.284	1.547	0.497	1.057
6	West Jaintia Hills	0.615	1.197	1.005	0.819
7	North Garo Hills	NA	NA	NA	NA
8	East Garo Hills	NA	NA	NA	NA
9	West Garo Hills	0.777	1.255	1.000	0.968
10.	South West Garo Hills	1.079	1.440	1.400	1.276
11	South Garo Hills	NA	NA	NA	NA
	Meghalaya	0.980	1.414	1.111	1.133

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

Sl. No.	Name of Districts	Summer	Monsoon	Winter	Overall
1.	East Khasi Hills	650	703	1111	2464
2.	Ri Bhoi	785	328	823	1936
3	West Khasi Hills	1191	1725	1741	4657
4	South West Khasi Hills	651	637	629	1917
5	East Jaintia Hills	1001	953	1055	3009
6	West Jaintia Hills	211	178	468	856
7	North Garo Hills	1121	1193	1094	3408
8	East Garo Hills	804	848	800	2452
9	West Garo Hills	2520	2591	2528	7639
10.	South West Garo Hills	1259	1295	1246	3800
11	South Garo Hills	608	765	600	1973
	Meghalaya	10800	11216	12096	34112

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

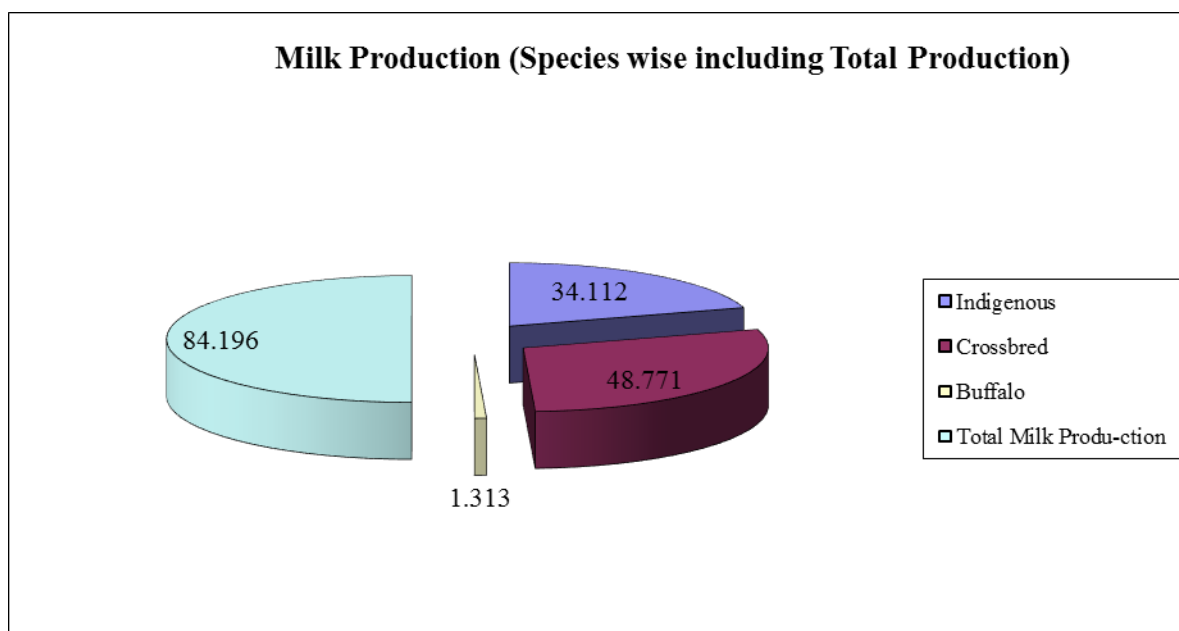
Sl. No.	Name of Districts	Summer	Monsoon	Winter	Overall
1.	East Khasi Hills	6801	7523	8244	22568
2.	Ri Bhoi	6345	6415	6391	19151
3	West Khasi Hills	197	198	166	560
4	South West Khasi Hills	136	133	108	377
5	East Jaintia Hills	443	444	391	1278
6	West Jaintia Hills	206	209	186	600
7	North Garo Hills	54	79	53	186
8	East Garo Hills	42	72	42	156
9	West Garo Hills	740	738	619	2097
10.	South West Garo Hills	106	108	35	248
11	South Garo Hills	1549	0	0	1549
	Meghalaya	16619	15917	16234	48771

Table 4.9: Milk Production- Buffaloes (Tonnes).

Sl. No.	Name of Districts	Summer	Monsoon	Winter	Overall
1.	East Khasi Hills	29	24	12	65
2.	Ri Bhoi	121	53	27	201
3	West Khasi Hills	61	44	40	145
4	South West Khasi Hills	7	7	4	17
5	East Jaintia Hills	32	17	10	59
6	West Jaintia Hills	15	11	7	33
7	North Garo Hills	0	0	0	0
8	East Garo Hills	0	0	0	0
9	West Garo Hills	136	134	76	346
10.	South West Garo Hills	158	185	103	446
11	South Garo Hills	0	0	0	0
	Meghalaya	559	475	279	1313

Table 4.10: Total Milk Production in the State. ('000' Tonnes) 2016-17

Sl. No.	Name of Districts	Cows Milk			Buffalo	Total Milk Production	Previous Years Production 2015-2016	% Increase or Decrease over 2015-16
		Indigenous	Crossbred	Total				
1.	East Khasi Hills	2.464	22.568	25.032	0.065	25.097	22.456	11.76%
2.	Ri Bhoi	1.936	19.151	21.087	0.201	21.288	21.467	-0.83%
3	West Khasi Hills	4.657	0.560	5.217	0.145	5.362	4.310	24.41
4	South West Khasi Hills	1.917	0.377	2.294	0.017	2.311	2.349	-1.62%
5	East Jaintia Hills	3.009	1.278	4.287	0.059	4.346	4.538	-4.23%
6	West Jaintia Hills	0.856	0.600	1.456	0.033	1.49	1.296	14.97%
7	North Garo Hills	3.408	0.186	3.594	0	3.594	3.544	1.41%
8	East Garo Hills	2.452	0.156	2.608	0	2.608	2.645	-1.4%
9	West Garo Hills	7.639	2.097	9.736	0.346	10.082	10.295	-2.07%
10.	South West Garo Hills	3.800	0.248	4.048	0.446	4.494	4.599	-2.28%
11	South Garo Hills	1.973	1.549	3.522	0	3.522	6.425	-45.18%
	Meghalaya	34.112	48.771	82.883	1.313	84.195	83.924	0.32%



**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
2016-17	8.888	0.762	1.839	7.542	0.397	1.133

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
2016-17	14.99	122.25	1.22	17.67	234.98	3.17

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%
2016-17	48.771	34.112	1.31	84.195	(+) 1.08%

Chapter – 5

District-wise & Season-wise Estimates

Egg Production

**Table 5.1 (a): District-wise and Season-Wise Estimated No. of Poultry (Fowls), 2016-17
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
<u>Desi</u>												
Summer	1179	962	940	261	400	633	631	416	1816	485	572	8295
Monsoon	1520	976	939	263	312	654	640	455	1854	491	584	8587
Winter	1793	1108	795	210	542	760	839	588	1189	338	643	8793
Over All	1501	1022	858	246	418	680	708	483	1616	441	597	8571
<u>Improved</u>												
Summer	243	155	56	2	62	105	29	80	62	18	8	819
Monsoon	249	153	NA	NA	44	46	30	110	66	NA	7	704
Winter	102	250	NA	NA	2	NA	NA	91	137	58	NA	656
Over All	198	186	19	1	42	50	20	94	88	25	5	728
<u>Total</u>												
Summer	1422	1117	996	263	462	738	660	496	1878	503	580	9114
Monsoon	1769	1129	939	263	356	700	670	565	1920	491	591	9291
Winter	1895	1358	795	210	544	760	839	679	1326	396	643	9449
Over All	1699	1208	877	247	460	730	728	577	1704	466	602	9299

Table 5.1(b): District-wise and Season-wise Estimated No. of Poultry (Ducks) 2016-17.
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
<u>Desi</u>												
Summer	25	13	1	3	1	7	2	3	118	34	12	218
Monsoon	22	6				3			72	22		125
Winter	9									4		14
Over All	56	19	1	3	1	10	2	3	190	60	12	357
<u>Improved</u>												
Summer	1	1	NA	NA	NA	NA	NA	1	1	NA	NA	4
Monsoon	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Winter	1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1
Over All	2	1	NA	NA	NA	NA	NA	1	1	NA	NA	5
<u>Total</u>												
Summer	26	14	1	3	1	7	2	4	119	34	12	222
Monsoon	22	6	NA	NA	NA	3	NA	NA	72	22	NA	125
Winter	10	NA	NA	NA	NA	NA	NA	NA	NA	4	NA	15
Over All	58	20	1	3	1	10	2	4	191	60	12	362

Table 5.2 (a): District-wise and Season-Wise Estimated Yield per Layer (Fowls) 2016-17

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
<u>Desi</u>												
Summer	35	35	35	34	35	35	34	35	35	35	34	35
Monsoon	36	36	34	34	34	34	34	34	36	34	34	35
Winter	36	36	34	34	34	34	34	34	35	34	34	35
Over All	107	107	103	102	103	103	102	103	103	106	103	102
<u>Improved</u>												
Summer	73	74	68	68	70	70	69	69	70	69	65	71
Monsoon	74	74	0	0	69	69	68	69	69	0	67	72
Winter	73	74	0	68	69	0	0	678	69	68	0	71
Over All	220	222	68	106	208	139	137	206	208	137	132	214
<u>Total</u>												
Summer	41	40	37	34	40	40	36	41	36	36	34	38
Monsoon	41	41	34	34	38	36	36	41	37	34	34	38
Winter	38	43	34	34	35	34	34	39	39	39	34	37
Over All	121	125	105	102	113	110	105	120	112	109	103	113

Table 5.2(b): District-wise and Season-wise Estimated Yield per Layer (Ducks) 2016-17.

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
<u>Desi</u>												
Summer	35	35	35	34	35	35	34	35	35	35	34	35
Monsoon	36	36	34	0	0	34	34	0	34	34	0	34
Winter	35	35	0	0	0	34	0	0	34	34	33	35
Over All	106	106	69	34	35	103	68	35	103	103	67	102
<u>Improved</u>												
Summer	73	74	-	-	-	70	-	69	70	-	-	71
Monsoon	-	-	-	-	-	-	-	-	-	-	-	-
Winter	-	-	-	-	-	-	-	-	-	-	-	-
Over All	73	74	-	-	-	70	-	69	70	-	-	71
<u>Total</u>												
Summer	37	36	35	34	35	35	34	42	35	35	34	36
Monsoon	36	36	34	0	0	34	34	0	34	34	0	34
Winter	35	35	0	0	0	0	0	0	0	34	33	35
Over All	108	107	69	34	35	69	68	42	69	103	67	105

Table 5.3(a): District-wise and Season-Wise Estimated Egg Production (Fowls) 2016-17.
(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
<u>Desi</u>												
Summer	41.27	33.68	32.89	8.89	13.99	22.14	21.44	14.57	63.57	16.96	19.44	288.84
Monsoon	54.73	35.12	28.52	8.94	10.60	22.24	21.75	15.46	66.75	16.68	19.87	300.67
Winter	64.56	39.90	27.02	7.13	18.41	25.83	28.54	19.62	41.60	11.48	21.87	305.96
Over All	160.56	108.71	88.42	24.96	43.01	70.21	71.74	49.65	171.92	45.13	61.19	895.48
<u>Improved</u>												
Summer	17.71	11.48	3.82	0.11	4.37	7.32	2.01	5.55	4.30	1.21	0.54	58.42
Monsoon	18.44	11.33	-	-	3.04	3.18	2.02	7.59	4.53	-	0.44	50.56
Winter	7.47	18.48	-	-	1.29	-	-	6.18	9.43	3.92	-	46.76
Over All	43.61	41.29	3.82	0.11	8.70	10.50	4.03	19.32	18.26	5.13	0.98	155.75
<u>Total</u>												
Summer	58.98	45.16	36.71	8.99	18.37	29.46	23.45	20.12	67.87	18.18	19.98	347.27
Monsoon	73.17	46.45	28.52	8.94	13.64	25.42	23.77	23.05	71.28	16.68	20.31	351.23
Winter	72.03	58.38	27.02	7.13	19.70	25.83	28.54	25.80	51.03	15.40	21.87	352.73
Over All	204.18	149.99	92.24	25.07	51.71	80.70	75.76	68.97	190.18	50.26	62.17	1051.23

Table 5.3(b): District-wise and Season-wise Estimated Egg production (Ducks) 2016-17.
(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
<u>Desi</u>												
Summer	0.87	0.45	0.04	0.10	0.04	0.24	0.06	0.11	4.11	1.18	0.40	7.62
Monsoon	0.80	0.21	0.01	-	-	0.11	0.01	-	2.45	0.74	-	4.32
Winter	0.33	0.01	-	-	-	-	-	-	-	0.13	0.01	0.49
Over All	2.00	0.67	0.05	0.10	0.04	0.35	0.07	0.11	6.57	2.05	0.42	12.42
<u>Improved</u>												
Summer	0.11	0.02	-	-	-	-	-	0.05	0.08	-	-	0.26
Monsoon	-	-	-	-	-	-	-	-	-	-	-	-
Winter	-	-	-	-	-	-	-	-	-	-	-	-
Over All	0.11	0.02	-	-	-	-	-	0.05	0.08	-	-	0.26
<u>Total</u>												
Summer	0.98	0.47	0.04	0.10	0.04	0.24	0.06	0.16	4.19	1.18	0.40	7.87
Monsoon	0.80	0.21	0.01	-	-	0.11	0.01	-	2.45	0.74	-	4.32
Winter	0.33	0.01	-	-	-	-	-	-	-	0.13	0.01	0.49
Over All	2.11	0.69	0.05	0.10	0.04	0.35	0.07	0.16	6.64	2.05	0.42	12.68

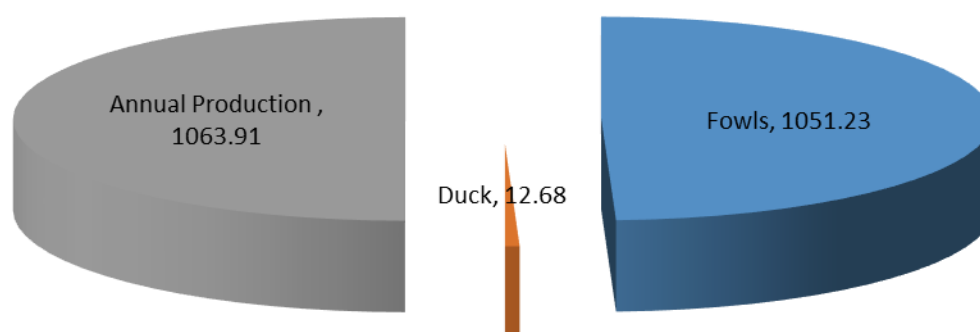
Table 5.4 (a): Estimated Total Egg production. (Lakhs Numbers) 2016-17.

Sl No.	Name of Districts	Summer		Monsoon		Winter	
		Fowls	Duck	Fowls	Duck	Fowls	Duck
1.	East Khasi Hills	58.98	0.98	73.17	0.80	72.03	0.33
2.	Ri Bhoi	45.16	0.47	46.45	0.21	58.38	0.01
3	West Khasi Hills	36.71	0.04	28.52	0.01	27.02	0.00
4	South West Khasi Hills	8.99	0.10	8.94	0.00	7.13	0.00
5	East Jaintia Hills	18.37	0.04	13.64	0.00	19.70	0.00
6	West Jaintia Hills	29.46	0.24	25.42	0.11	25.83	0.00
7	North Garo Hills	23.45	0.06	23.77	0.01	28.54	0.00
8	East Garo Hills	20.12	0.16	23.05	0.00	25.80	0.00
9	West Garo Hills	67.87	4.19	71.28	2.45	51.03	0.00
10.	South West Garo Hills	18.18	1.18	16.68	0.74	15.40	0.13
11	South Garo Hills	19.98	0.40	20.31	0.00	21.87	0.01
	Meghalaya	347.27	7.87	351.23	4.32	352.73	0.49

Table 5.4 (b): Estimated Total Egg production. (Lakhs Numbers) 2016-17.

Sl No.	Name of Districts	Total egg		Annual Production Current Year 2016-17	Annual Production Previous Year 2015-16	Percentage Increase or Decrease over the Previous year
		Fowls	Duck			
1.	East Khasi Hills	204.18	2.11	206.29	183.21	(+) 12.60%
2.	Ri Bhoi	149.99	0.69	150.68	138.98	(+) 8.42%
3	West Khasi Hills	92.24	0.05	92.29	109.76	(-) 15.92%
4	South West Khasi Hills	25.07	0.10	25.17	27.77	(+)9.36%
5	East Jaintia Hills	51.71	0.04	51.75	54.03	(-) 4.22%
6	West Jaintia Hills	80.70	0.35	81.06	86.27	(-) 6.04%
7	North Garo Hills	75.76	0.07	75.84	71.04	(+) 6.76%
8	East Garo Hills	68.97	0.16	69.12	59.49	(+) 16.19%
9	West Garo Hills	190.18	6.64	196.82	212.88	(-) 7.54%
10.	South West Garo Hills	50.26	2.05	52.30	58.29	(-)10.28%
11	South Garo Hills	62.17	0.42	62.59	61.95	(+) 1.03%
	Meghalaya	1051.23	12.68	1063.91	1063.67	(+) 0.02%

Egg Production (in Lakhs Nos)



**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

**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
2016-17	8.57	0.73	9.3	0.12	0.004	0.124	8.69	0.734	9.424

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%

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	
2016-17	104	214	113	907.90	156.005	1063.9	(+) 0.02%

Chapter – 6

SEASON WISE PERCENTAGE UTILISATION OF MILK AND EGGS IN SAMPLE HOUSEHOLD. 2016-17

Table 6.1: Utilisation of Milk.

Season	Sold as fluid Milk	Converted into Milk products	Consumed as Fluid Milk in the Household	Total
Summer	93.25	0.96	5.79	100
Monsoon	96.79	0.96	4.09	100
Winter	94.43	1.16	4.40	100
Overall	96.24	1.03	4.75	100

Table 6.2: Percentage Utilization of Produced Eggs.

Season	Utilisation for Home consumption	Set for Hatching	Egg Sold	Damaged or Spoiled	Total
Summer	13.69	14.92	68.66	2.73	100
Monsoon	14.99	16.58	65.81	2.62	100
Winter	17.08	28.20	52.95	1.77	100
Overall	14.26	16.92	66.24	2.58	100

Table 6.3: Season wise Percentage of Animals which were Grazed, Stallfed or Both. 2016-17

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	<u>CATTLE</u> INDIGENOUS												
	(a) In Milk	83.61	4.55	11.84	100%	85.61	8.67	5.72	100%	88.53	2.49	8.98	100%
	(b) Adult Male	85.27	4.48	10.25	100%	77.84	4.66	17.5	100%	85.86	3.81	10.33	100%
	(c) Young Stock upto 3 Years old.	58.82	17.99	23.19	100%	84.18	14.06	1.76	100%	76.72	19.07	4.21	100%
	Overall :-	78.19	7.77	14.04	100%	84.14	9.74	6.12	100%	85.29	6.49	8.22	100%
1.2	CROSS BRED												
	(a) In Milk	8.35	81.04	10.61	100%	15.8	77.94	6.26	100%	15.57	73.15	11.28	100%
	(b) Adult Male	67.74	16.94	15.32	100%	43.97	45.39	10.64	100%	17.14	70.48	12.38	100%
	(c) Young Stock upto 3 Years old.	17.75	71.55	10.7	100%	25.65	61.66	12.69	100%	22.14	67.4	10.46	100%
	Overall :-	17.37	71.5	11.13	100%	19.66	72.54	7.8	100%	17.55	71.32	11.13	100%
2	BUFFALOES												
	(a) In Milk	89.8	-	10.2	100%	91.61	-	8.39	100%	90.28	-	9.72	100%
	© Adult Male	93.7	-	6.3	100%	93.1	-	6.9	100%	90.91	-	9.09	100%
	(d) Young Stock upto 3 Years old.	94.64	-	5.36	100%	89.87	-	10.13	100%	83.72	-	16.28	100%
	Overall :-	93.43	-	6.57	100%	92.14	-	7.86	100%	89.16	-	10.84	100%

ANNEXURE – X

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

Name of State : **Meghalaya**

Year -2016-17

Name Of State : Meghalaya																	
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

Table 6.5: Season wise Utilisation of Dung collected From Bovine at Sample Household 2016-17.

Sl No.	Particulars	Unit	Summer	Monsoon	Winter	Over all
1.	Total No. of Sample animals observed for Dung Utilisation.	Nos.	3771	5601	4347	13719
2.	Average quantity of Dung collected per animal per day.	Kg	18.59	27.17	24.67	23.477
3.	Dung Utilized for manure.	Percentage	96.34	96.14	95.83	96.08
4.	Dung Utilized for Dung cake.	Percentage	2.05	2.18	2.39	2.21
5.	Dung Utilized for other purpose.	Percentage	1.61	1.69	1.78	1.70

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 – 2016-17

Meat Production – 2016-17

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
	<u>Category of Animals Slaughter.</u> <u>SUMMER</u>														
(a)	Cattle.	41684	6330	10386	2097	2172	7223	2284	3420	6121	1435	4763	87915	43411	44504
(b)	Buffaloes.	224	0	0	0	599	190	0	111	422	0	0	1546	1546	
©	Pig	53676	8183	5948	1875	3610	9208	1142	1841	5315	638	3506	94942	87364	7578
(d)	Sheep & Goat	28538	3070	425	247	4063	1792	285	1942	3825	808	2171	47166	44802	2364
(e)	Poultry.	546675	85978	68132	17375	58126	96094	13562	56328	102112	14845	39721	1098948	1058320	40628
	<u>MONSOON</u>														
(a)	Cattle.	40866	8555	8298	2244	2659	7490	1427	1581	5363	765	3729	82977	30176	52801
(b)	Buffaloes.	224	0	0	0	563	206	0	111	392	0	0	1496	1496	
©	Pig.	57575	9087	6631	2294	4647	13495	2284	2282	7990	956	5900	113141	105238	7903
(d)	Sheep & Goat	21390	3402	354	210	5039	2093	285	1976	4958	766	2196	42669	40837	1832
(e)	Poultry.	237207	89760	174582	28712	28588	59486	24934	57843	95825	26350	91479	914766	884010	30756
	<u>WINTER</u>														
(a)	Cattle.	37251	10010	9014	2417	2530	7220	1523	1705	5473	935	2828	80906	33269	47637
(b)	Buffaloes.	224	0	0	0	521	108	0	202	634	0	0	1689	1689	
©	Pig.	56556	8997	7465	2245	4617	12116	1618	2144	9323	957	5663	111701	103644	8057
(d)	Sheep & Goat	21645	3670	496	247	4803	2053	190	1925	4999	723	2226	42977	40803	2174
(e)	Poultry.	331053	76271	60722	26759	86946	104529	10259	32517	65498	21533	40310	856397	823320	33077

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	119.8	24.9	27.7	6.76	7.36	21.93	5.23	6.71	16.96	3.14	11.32	251.81	106.87	144.94
2.	Buffaloes	0.67	0	0	0	1.68	0.5	0	0.42	1.45	0	0	4.72	4.72	0
3.	Pig	167.81	26.27	20.04	6.41	12.87	34.82	5.04	6.27	22.63	2.55	15.07	319.78	296.24	23.54
4.	Sheep & Goat	71.57	10.14	1.28	0.70	13.91	5.94	0.76	5.84	13.78	2.30	6.59	132.81	126.44	6.37
5.	Poultry	1114.94	252.01	303.44	72.85	173.66	260.11	48.76	146.69	263.44	62.73	171.51	2870.14	2765.68	104.46

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
	<u>Category of Animals Slaughter.</u>												
	<u>SUMMER</u>												
(a)	Cattle.	90.00	89.60	89.60	89.48	89.38	89.59	89.50	89.74	89.50	89.57	89.50	89.80
(b)	Buffaloes.	118.00	0.00	0.00	0.00	117.90	119.00	0.00	118.00	118.00	0.00	0.00	118.08
(c)	Pig.	43.30	43.20	43.10	43.19	43.19	43.00	43.10	43.30	43.10	43.35	43.46	43.23
(d)	Sheep & Goat.	10.20	10.30	10.20	10.08	10.20	10.20	10.20	10.19	10.30	10.29	10.37	10.22
(e)	Poultry.	1.30	1.30	1.30	1.25	1.30	1.30	1.25	1.25	1.30	1.25	1.25	1.29
	<u>MONSOON</u>												
(a)	Cattle.	90.00	89.84	89.81	89.63	89.80	89.85	89.73	89.84	90.00	90.00	89.99	89.93
(b)	Buffaloes.	118.00	0.00	0.00	0.00	116.98	117.90	0	117.91	118.05	0.00	0.00	117.61
(c)	Pig.	43.45	43.40	43.40	43.40	43.40	43.30	43.30	43.39	43.30	43.31	43.40	43.40
(d)	Sheep & Goat.	10.40	10.35	10.39	10.29	10.30	10.40	10.42	10.29	10.40	10.29	10.40	10.38
(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
	<u>WINTER</u>												
(a)	Cattle.	90.00	89.78	89.60	89.71	89.72	89.70	89.58	89.60	89.94	89.80	89.84	89.85
(b)	Buffaloes.	118.00	0.00	0.00	0.00	118.02	118.36	0.00	117.81	117.91	0.00	0.00	117.97
(c)	Pig.	43.40	43.40	43.50	43.39	43.40	43.36	43.30	43.39	43.43	43.27	43.38	43.40
(d)	Sheep & Goat.	10.40	10.30	10.38	10.29	10.30	10.33	10.32	10.29	10.40	10.29	10.30	10.36
(e)	Poultry.	1.30	1.35	1.26	1.33	1.33	1.33	1.39	1.33	1.32	1.34	1.33	1.31

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	90.00	118.00	43.39	10.32	1.34
2.	Ri – Bhoi	89.76	0.00	43.34	10.32	1.33
3.	West Khasi Hills	89.66	0.00	43.35	10.32	1.30
4.	South West Khasi Hills	89.61	0.00	43.34	10.21	1.29
5.	East Jaintia Hills	89.65	117.63	43.34	10.27	1.30
6.	West Jaintia Hills	89.71	118.41	43.24	10.31	1.30
7.	North Garo Hills	89.59	0.00	43.25	10.31	1.29
8.	East Garo Hills	89.73	117.88	43.36	10.26	1.28
9.	West Garo Hills	89.94	117.97	43.31	10.37	1.32
10.	South West Garo Hills	89.74	0.00	43.28	10.29	1.29
11.	South Garo Hills	89.75	0.00	43.39	10.36	1.29
	State (Overall)	89.86	117.89	43.35	10.32	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
	<u>SUMMER</u>														
1.	Cattle.	3752	567	931	188	194	647	204	307	548	129	426	7893	3897	3996
2.	Buffaloes	26	0	0	0	71	23	0	13	50	0	0	183	183	0
3.	Pigs	2324	354	256	81	156	396	49	80	229	28	152	4105	3777	328
4.	Sheep &Goat.	291	32	4	2	41	18	3	20	39	8	23	481	457	24
5.	Poultry.	711	112	89	22	76	125	17	70	133	19	50	1424	1372	52
	TOTAL	7104	1065	1280	293	538	1209	273	490	999	184	651	14086	9686	4400
	<u>MONSOON</u>														
1.	Cattle.	3678	769	745	201	239	673	128	142	483	69	336	7463	2715	4748
2.	Buffaloes	26	0	0	0	66	24	0	13	46	0	0	175	175	0
3.	Pigs	2502	394	288	100	202	584	99	99	346	41	256	4911	4568	343
4.	Sheep &Goat.	222	35	4	2	52	22	3	20	52	8	23	443	424	19
5.	Poultry.	332	117	227	37	37	77	32	75	125	34	119	1212	1171	41
	TOTAL	6760	1315	1264	340	596	1380	262	349	1052	152	734	14204	9053	5151
	<u>WINTER</u>														
1.	Cattle.	3353	899	808	217	227	648	136	153	492	84	254	7271	2991	4280
2.	Buffaloes	26	0	0	0	61	13	0	24	75	0	0	199	199	0
3.	Pigs	2455	390	325	97	200	525	70	93	405	41	246	4847	4497	350
4.	Sheep &Goat.	225	38	5	3	49	21	2	20	52	7	23	445	422	23
5.	Poultry.	430	103	77	36	116	139	14	43	86	29	54	1127	1084	43
	TOTAL	6489	1430	1215	353	653	1346	222	333	1110	161	577	13889	9193	4696
	OVERALL	20353	3810	3759	986	1787	3935	757	1172	3161	497	1962	42179	27932	14247

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

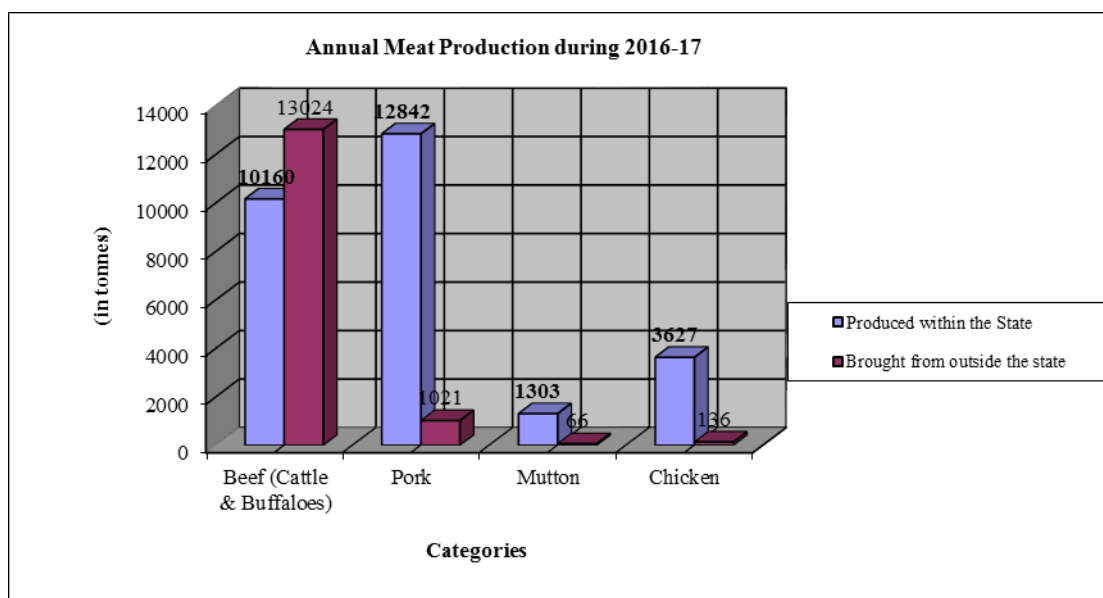
Sl No	Particulars	East Khasi Hills	Ri-Bhoi	West Khasi Hills	South West Khasi Hills	East Jaintia Hills	West Jaintia Hills	North Garo Hills	East Garo Hills	West Garo Hills	South West Garo Hills	South Garo Hills	Total	Source	
														Within the State	Brought from outside the State
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
1.	Cattle	10783	2235	2484	606	660	1968	468	602	1523	282	1016	22627	9603	13024
2	Buffaloes	78	0	0	0	198	60	0	50	171	0	0	557	557	0
3.	Pig	7281	1138	869	278	558	1505	218	272	980	110	654	13863	12842	1021
4.	Sheep & Goat	738	105	13	7	142	61	8	60	143	23	69	1369	1303	66
5.	Poultry	1473	332	393	95	229	341	63	188	344	82	223	3763	3627	136
	TOTAL	20353	3810	3759	986	1787	3935	757	1172	3161	497	1962	42179	27932	14247

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

Sl No.	Name of Districts	Meat Production Category Wise (Tonnes)						Annual Production 2016-17 (Col 5 – 8)	Percentage Contribution to Total Meat Production
		Cattle	Buffalo	Total	Pork	Mutton	Chicken		
				Beef					
1	2	3	4	5	6	7	8	9	10
1.	East Khasi Hills	10783	78	10861	7281	738	1473	20353	48.25 %
2.	Ri – Bhoi	2235	0	2235	1138	105	332	3810	9.03 %
3.	West Khasi Hills	2484	0	2484	869	13	393	3759	8.91 %
4	South West Khasi Hills	606	0	606	278	7	95	986	2.34 %
5	East Jaintia Hills	660	198	858	558	142	229	1787	4.24 %
6	West Jaintia Hills	1968	60	2028	1505	61	341	3935	9.33 %
7	North Garo Hills	468	0	468	218	8	63	757	1.79 %
8	East Garo Hills	602	50	652	272	60	188	1172	2.78 %
9	West Garo Hills	1523	171	1694	980	143	344	3161	7.49 %
10	South West Garo Hills	282	0	282	110	23	82	497	1.18 %
11	South Garo Hills	1016	0	1016	654	69	223	1962	4.65 %
	State (Overall)	22627	557	23184	13863	1369	3763	42179	100 %
	Percentage Contribution of each species to total production	53.65%	1.32%	54.97%	32.87%	3.25%	8.92%	100%	

Table 7.8: Total Meat production

Sl No.	Items	Annual Meat Production (in tonnes)						Percentage Increase (+) or Decrease (-) over 2015-16
		2016-17			2015-16			
		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)	10160	13024	23184	13448	10800	24248	(-) 4.39%
2	Pork	12842	1021	13863	10384	1013	11397	(+) 21.64%
3	Mutton	1303	66	1369	1260	66	1326	(+) 3.24%
4	Chicken	3627	136	3763	4040	126	4166	(-) 9.67%
5	Total	27932	14247	42179	29132	12005	41137	(+) 2.53%



7.9: Per Capita Availability of Meat Grams / Day 2016-17

Items	Per Capita Availability
Beef	26.76
Pork	16.00
Mutton	1.58
Chicken	4.34
Total	48.68

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

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

Year	Number of Animals Slaughtered ('000' Nos.)				
	Cattle	Buffaloes	Pig	Sheep & Goat	Poultry
2015-16	263.29	5.19	262.94	128.45	3164.09
2016-17	251.81	4.72	319.78	132.81	2870.14

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

Year	Average Meat Yield Per Animal (Kgs.)				
	Cattle	Buffaloes	Pig	Sheep & Goat	Poultry
2016-17	89.86	117.89	43.35	10.32	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

Table 7.12: Total Meat production from 1983-84.

Year	Total Meat Production ('000' Tonnes.)				
	Cattle & Buffaloes	Pig	Sheep & Goat	Poultry	Total
2016-17	23.182	13.863	1.369	3.76	42.179

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	76.50	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

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
2016-17	84.19	42.17	106.39





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E-mail-ID: meghvety@gmail.com