



Government of Meghalaya

**REPORT ON INTEGRATED
SAMPLE SURVEY
FOR**

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

YEAR : 2017-18.



**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 2017– 2018 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 **1.28%** on Milk, **0.92 %** on Egg and **1.94%** on Meat over 2016-2017.

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.



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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. Physio graphically, 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 throughout 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. Table 1.2 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 2017-18.

Sl. No.	Name of District	Percentage of Bovines Keepers (Household)							Total
		0-1	2-5	6-10	11-15	16-20	21-25	26 and above	
1	2	3	4	5	6	7	8	9	10
1.	East Khasi Hills	14.81	25.19	31.85	8.89	10.37	1.48	7.41	100%
2.	Ri Bhoi	17.80	40.68	26.27	6.78	4.24	1.69	2.54	100%
3	West Khasi Hills	3.92	45.10	21.57	12.75	1.96	4.90	9.80	100%
4	South West Khasi Hills	12.5	37.5	23.16	12.50	1.39	1.39	11.11	100%
5	East Jaintia Hills	3.80	27.85	21.52	13.92	3.80	5.06	24.05	100%
6	West Jaintia Hills	6.25	28.75	33.75	12.05	7.05	6.25	5.00	100%
7	North Garo Hills	00	11.32	16.98	11.32	13.21	15.09	32.8	100%
8	East Garo Hills	10.17	40.68	33.90	3.39	00	5.08	6.78	100%
9	West Garo Hills	4.58	15.27	12.21	17.56	10.69	9.92	29.77	100%
10.	South West Garo Hills	6.98	22.09	17.44	12.79	5.81	10.47	24.42	100%
11	South Garo Hills	10.00	45.00	21.25	8.75	6.25	7.05	1.25	100%
	Meghalaya	8.84	30.65	23.52	11.26	6.23	5.83	13.67	100%

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) Sheep, Goats, Horses & Ponies.

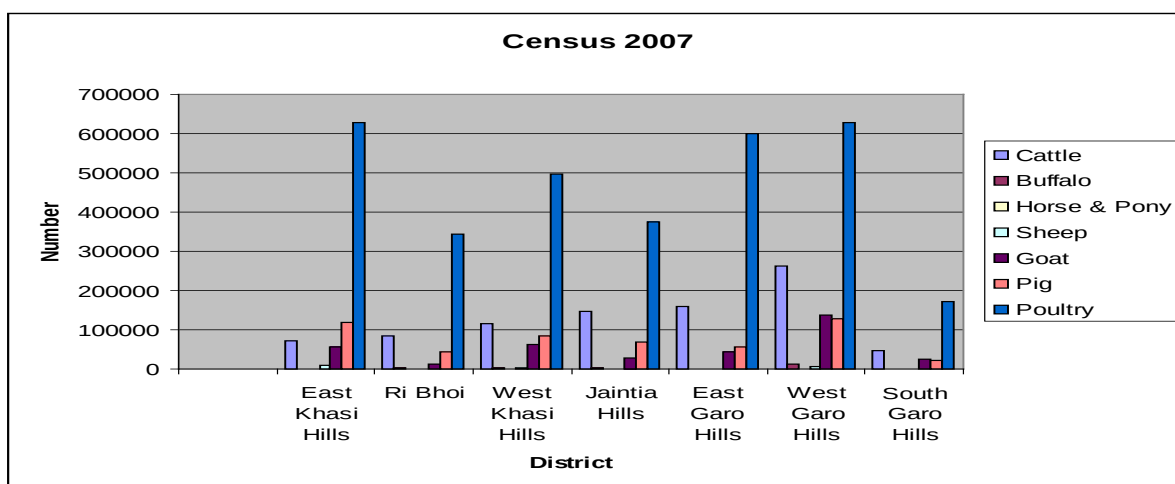
Sl. No.	Name of District	Sheep		Total Sheep	Total Goats	Total Horses & Ponies
		Crossbred	Indigenous			
1.	East Khasi Hills	3	8954	8957	56632	48
2.	Ri – Bhoi	-	116	116	13835	24
3.	West Khasi Hills	189	3327	3516	61786	1732
4.	Jaintia Hills	30	12	42	27005	33
5.	East Garo Hills	-	1260	1260	43652	0
6.	West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

Sl. No	Name of District	Pigs		Total Pigs	Total Livestock	Total Dogs	Total Rabbits
		Crossbred	Indigenous				
1.	East Khasi Hills	53818	79011	132829	302553	33221	231
2.	Ri Bhoi	12596	17082	29678	95680	18670	177
3	West Khasi Hills	14123	43296	57419	206416	19844	22
4	South West Khasi Hills	7333	14764	22097	84426	7523	0
5	East Jaintia Hills	7262	17572	24834	113140	5393	0
6	West Jaintia Hills	14368	22744	37112	86427	4059	13
7	North Garo Hills	5547	38808	44355	141162	50589	0
8	East Garo Hills	6215	34331	40546	122979	32202	0
9	West Garo Hills	6055	96283	102338	463301	49116	780
10	South West Garo Hills	921	35333	36254	217896	12414	10
11	South Garo Hills	9746	32093	41839	160585	23941	60
	Meghalaya	137984	431317	569301	1994565	256972	1293

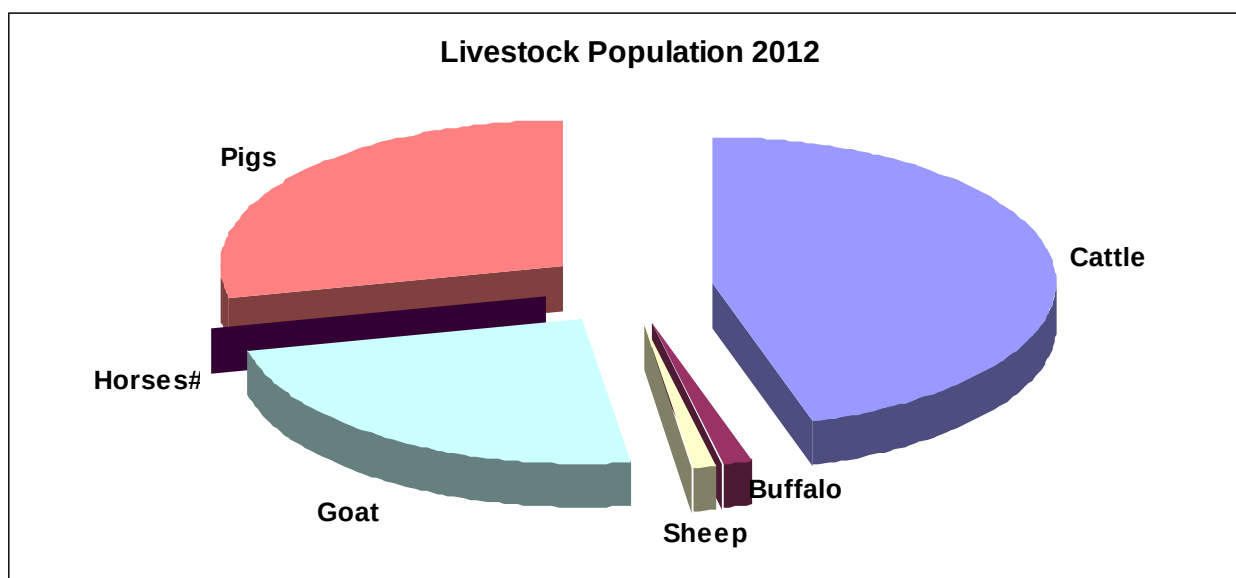
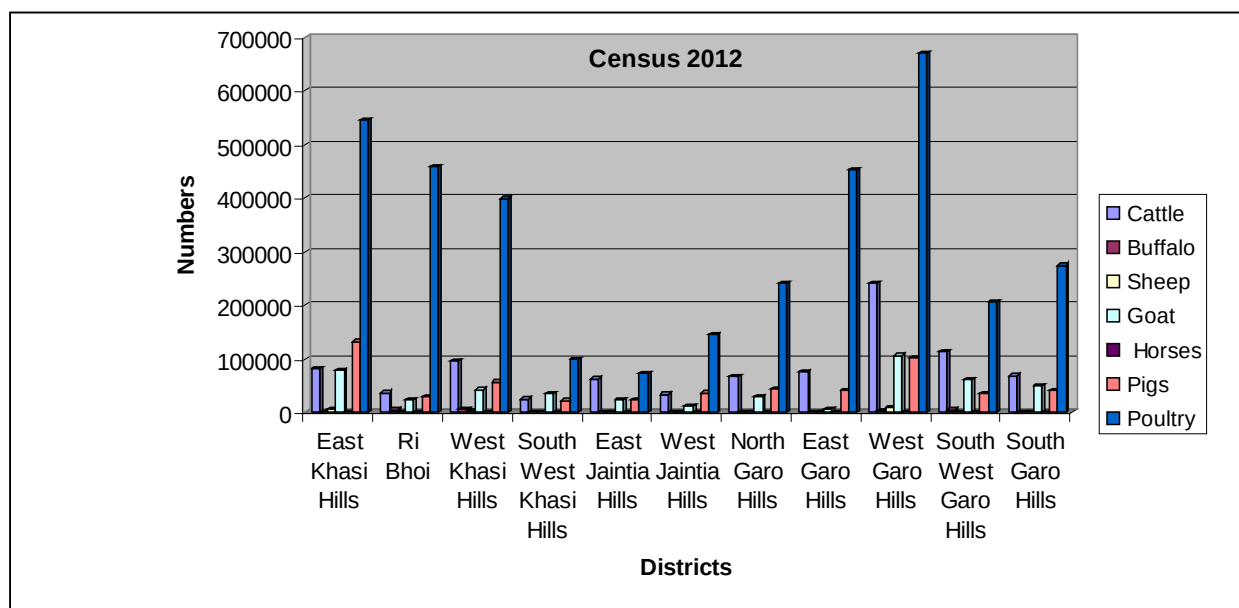


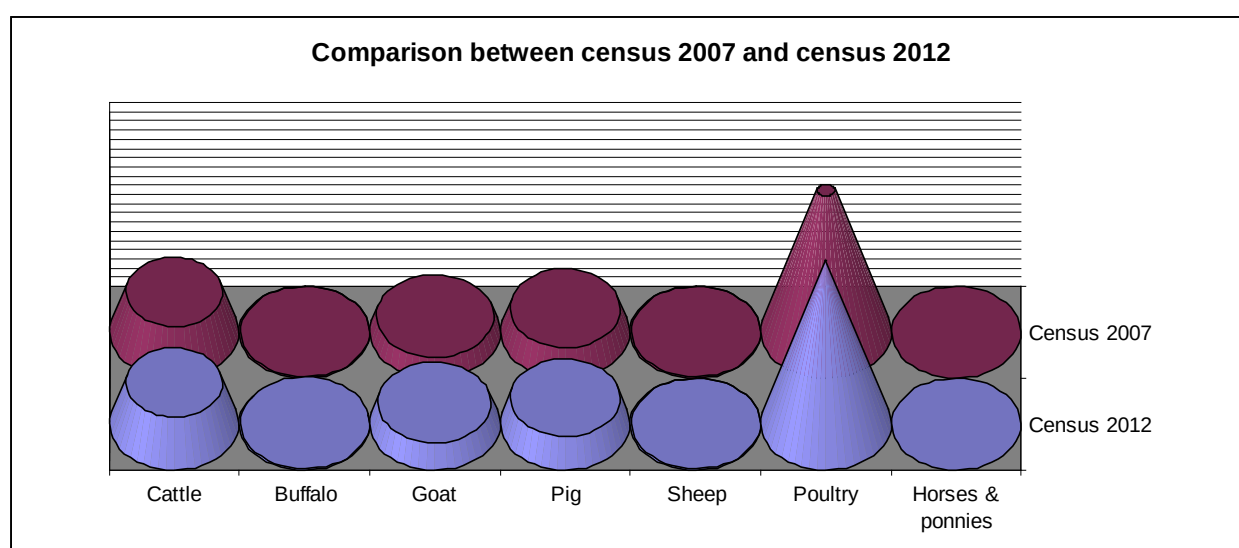
Table 2.4: Poultry Population.

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

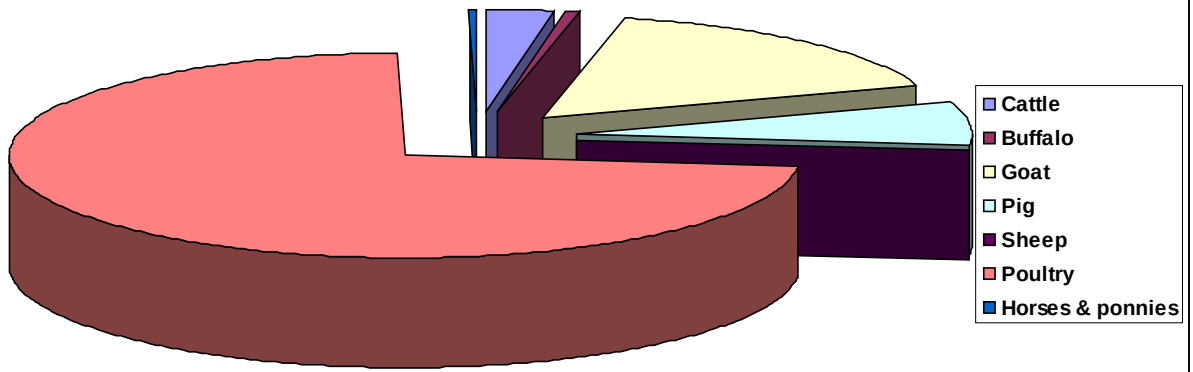


**TABLE – 2.5: LIVESTOCK POPULATION: (as per 2012 Census)
and Growth Rate as compared to 2007 Census**

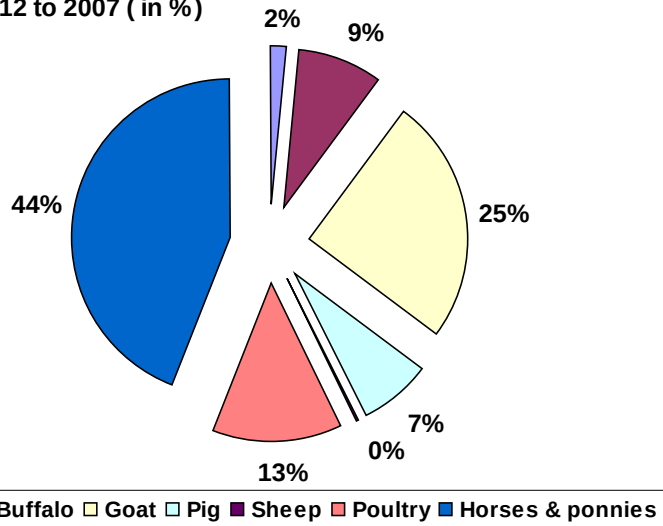
Sl No	Species	Population (Numbers)			Total	Growth Rate (%)	
1	Cattle	Crossbred	Male	5602	26458	-1.45	
			Female	20856			
		Indigenous	Male	355705	879295	2.2	
			Female	523590			
2	Buffalo	Indigenous	Male	16363	24894	10.02	
			Female	8531			
3	Goat	Indigenous	Male	179502	472325	29.23	
			Female	292823			
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 2016-17	Estimate Current Year 2017-18	% of Increase or Decrease over previous Year
I	Milk				
	Indigenous Cows				
	Population				
A	In Milk	00 No.	1222	1228	0.49%
B	Milch	00 No.	2350	2206	-6.13%
	Yield per Day				
C	In Milk	Kgs.	0.762	0.774	1.57%
D	Milch	Kgs.	0.397	0.43	8.31%
E	Production	000 tonnes	34.112	34.681	1.67%
	Crossbred Cows				
	Population				
F	In Milk	00 Nos.	150	152	1.33%
G	Milch	00 Nos.	177	175	-1.13%
	Yield per day				
H	In Milk	Kgs.	8.888	8.951	0.71%
I	Milch	Kgs.	7.542	7.746	2.7%
J	Production	000 tonnes	48.771	49.654	1.81%

Table 3.11 – contd.

Sl No.	Items	Unit	Estimates Previous Year 2016-17	Estimate Current Year 2017-18	% of Increase or Decrease over previous Year
	Buffalo Population				
K	In Milk	00 No.	20	14	-30%
L	Milch	00 No.	32	23	-28.13%
	Yield per Day				
M	In Milk	Kgs.	1.839	1.843	0.22%
N	Milch	Kgs.	1.133	1.12	-1.15%
O	Production	000 tonnes	1.313	0.938	-28.56%
	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	84.19	85.273	1.29%
II	Egg Production				
	Layers				
U	Desi	00 No.	8928	8703	-2.52%
V	Improved	00 No.	733	738	0.68%
W	Total	00 No.	9661	9441	-2.28%
	Yield per layer per year				
X	Desi	No.	102	105	2.94%
Y	Improved	No.	214	216	0.93%
	Production				
Z	Desi	Lakhs Nos.	907.9	914.22	0.7%
Aa	Improved	“	156.01	159.48	2.22%
Ab	Total	“	1063.91	1073.7	0.92%

**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.	62	65	65	192
2. ©	No. of villages covered for detailed study.				
	i) for Milk	62	64	65	191
	ii) for Egg	62	64	65	191
3.(a)	Total No. of households in the State. (2012 Census) Lakhs Nos.				
3. (b)	Percentage of Households keeping :-				
	i) Bovine	48.59	46.15	44.56	46.31
	ii) Poultry	82.08	81.65	85.16	82.98
	iii) Sheep	0.06	0.97	0.42	0.01
	iv) Goat	28.39	22.01	17.07	22.16
	v) Pig	59.02	65.04	67.62	64.18
4. (a)	No. of households covered for Milk production (Cow, Buffalo and Goat)	476	621	386	1483
4. (b)	No. of animals observed for milk production				
	i) Cow in Milk.	604	687	440	1731
	ii) Buffalo in Milk.	41	37	45	123
	iii) Goat in Milk.	0	0	0	0
5. (a)	No. of Households observed for egg production.	1138	962	953	3053
5. (b)	No. of Layers observed.				
	i) Desi & Improved	5521	3605	4353	13479
	.				

Table 3.12 – Contd.

Sl. No.	Items	Summer	Monsoon	Winter	Annual (Overall)
6. (a)	Estimated No. of Animals Slaughtered.'000' Nos.				
	i) Cattle	89.254	82.86	85.323	257.437
	ii) Buffalo	1.676	1.516	1.636	4.828
	iii) Sheep & Goat	43.625	43.12	43.272	130.017
	iv) Pig	104.97	1133.316	112.818	1351.104
	v) Poultry	919.206	916.69	815.885	2651.781

Table 3.13: District-wise Number of Villages selected for complete enumeration during the year 2017-18.

Sl. No.	Name of District	Summer	Monsoon	Winter	Overall
1.	East Khasi Hills	38	39	39	116
2.	Ri Bhoi	21	21	20	62
3	West Khasi Hills	28	29	29	86
4	South West Khasi Hills	15	16	16	47
5	East Jaintia Hills	16	16	16	48
6	West Jaintia Hills	16	16	17	49
7	North Garo Hills	20	20	21	61
8	East Garo Hills	19	19	19	57
9	West Garo Hills	37	39	37	113
10.	South West Garo Hills	19	19	20	58
11	South Garo Hills	26	20	27	73
	State (Overall)	255	254	261	770

Chapter – 4
District-wise & Season-wise Estimates
Milk Production
2017-2018

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	11668	6504	7229	8467
2.	Ri Bhoi	2422	5153	6987	4854
3	West Khasi Hills	10293	14564	15728	13528
4	South West Khasi Hills	3527	6251	6503	5427
5	East Jaintia Hills	6791	9158	12131	9360
6	West Jaintia Hills	3506	5496	2281	3761
7	North Garo Hills	10589	9853	13228	11223
8	East Garo Hills	8085	9032	9480	8866
9	West Garo Hills	45389	29917	29426	34911
10.	South West Garo Hills	14840	14542	14744	14709
11	South Garo Hills	7640	8084	7238	7654
	Meghalaya	124750	118554	124975	122760

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	6074	6714	7418	6735
2.	Ri Bhoi	1863	6068	5813	4581
3	West Khasi Hills	9311	10184	10631	10042
4	South West Khasi Hills	1575	3825	4638	3346
5	East Jaintia Hills	6559	9806	14151	10172
6	West Jaintia Hills	4347	8153	8106	6869
7	North Garo Hills	5408	7192	12980	8527
8	East Garo Hills	3872	5313	5738	4974
9	West Garo Hills	32672	23623	27424	27906
10.	South West Garo Hills	8168	10177	12562	10302
11	South Garo Hills	4476	4377	4178	4344
	Meghalaya	84325	95432	113639	97798

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	17742	13218	14647	15202
2.	Ri Bhoi	4285	11221	12800	9435
3	West Khasi Hills	19604	24748	26359	23570
4	South West Khasi Hills	5102	10076	11141	8773
5	East Jaintia Hills	13350	18964	26282	19532
6	West Jaintia Hills	7853	13649	10387	10630
7	North Garo Hills	15997	17045	26208	19750
8	East Garo Hills	11957	14345	15218	13840
9	West Garo Hills	78061	53540	56850	62817
10.	South West Garo Hills	23008	24719	27306	25011
11	South Garo Hills	12116	12461	11416	11998
	Meghalaya	209075	213986	238614	220558

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	6065	6808	7720	6864
2.	Ri Bhoi	7856	6224	5933	6671
3	West Khasi Hills	147	121	116	128
4	South West Khasi Hills	43	132	113	96
5	East Jaintia Hills	540	460	449	483
6	West Jaintia Hills	158	162	307	209
7	North Garo Hills	52	86	45	61
8	East Garo Hills	41	82	54	59
9	West Garo Hills	305	666	562	511
10.	South West Garo Hills	36	84	102	74
11	South Garo Hills	0	0	0	0
	Meghalaya	15243	14824	15398	15156

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	2250	1049	1522	1607
2.	Ri Bhoi	385	203	586	391
3	West Khasi Hills	0	0	35	12
4	South West Khasi Hills	11	11	67	30
5	East Jaintia Hills	25	115	164	101
6	West Jaintia Hills	18	0	148	55
7	North Garo Hills	16	7	43	22
8	East Garo Hills	7	17	41	22
9	West Garo Hills	0	139	147	95
10.	South West Garo Hills	17	16	36	23
11	South Garo Hills	0	0	0	0
	Meghalaya	2729	1557	2789	2358

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

Sl. No.	Name of Districts	Milch Cows			
		Summer	Monsoon	Winter	Overall
1.	East Khasi Hills	8315	7857	9242	8471
2.	Ri Bhoi	8241	6427	6519	7062
3	West Khasi Hills	147	121	151	140
4	South West Khasi Hills	54	143	180	126
5	East Jaintia Hills	565	575	613	584
6	West Jaintia Hills	176	162	455	264
7	North Garo Hills	68	93	88	83
8	East Garo Hills	48	99	95	81
9	West Garo Hills	305	805	709	606
10.	South West Garo Hills	53	100	138	97
11	South Garo Hills	0	0	0	0
	Meghalaya	17972	16382	18187	17514

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

Sl. No.	Name of Districts	In Milk			
		Summer	Monsoon	Winter	Overall
1.	East Khasi Hills	55	60	57	57
2.	Ri Bhoi	289	343	221	284
3	West Khasi Hills	166	112	112	130
4	South West Khasi Hills	0	0	0	0
5	East Jaintia Hills	46	39	48	44
6	West Jaintia Hills	28	29	36	31
7	North Garo Hills	0	0	0	0
8	East Garo Hills	2	0	0	1
9	West Garo Hills	480	275	391	382
10.	South West Garo Hills	511	427	444	461
11	South Garo Hills	0	0	0	0
	Meghalaya	1577	1284	1308	1390

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

Sl. No.	Name of Districts	Dry			
		Summer	Monsoon	Winter	Overall
1.	East Khasi Hills	34	33	33	33
2.	Ri Bhoi	82	279	380	247
3	West Khasi Hills	277	109	170	185
4	South West Khasi Hills	0	0	0	0
5	East Jaintia Hills	24	19	30	24
6	West Jaintia Hills	27	27	26	27
7	North Garo Hills	0	0	0	0
8	East Garo Hills	2	0	0	1
9	West Garo Hills	250	226	230	235
10.	South West Garo Hills	168	143	143	151
11	South Garo Hills	0	0	0	0
	Meghalaya	864	836	1012	903

Table 4.3 ©: Estimated Number of Productive Buffaloes.

Sl. No.	Name of Districts	Milch			
		Summer	Monsoon	Winter	Overall
1.	East Khasi Hills	89	93	90	90
2.	Ri Bhoi	371	622	600.5	531
3	West Khasi Hills	443	221	282	315
4	South West Khasi Hills	0	0	0	0
5	East Jaintia Hills	70	58	78	68
6	West Jaintia Hills	55	56	62	58
7	North Garo Hills	0	0	0	0
8	East Garo Hills	4	0	0	2
9	West Garo Hills	730	501	621	617
10.	South West Garo Hills	679	570	586.5	612
11	South Garo Hills	0	0	0	0
	Meghalaya	2441	2120	2320	2293

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	0.870	0.870	0.862
2.	Ri Bhoi	1.020	1.010	1.010	1.008
3	West Khasi Hills	0.850	0.850	0.870	0.857
4	South West Khasi Hills	0.820	0.830	0.800	0.815
5	East Jaintia Hills	0.740	0.750	0.780	0.759
6	West Jaintia Hills	0.750	0.750	0.750	0.752
7	North Garo Hills	0.720	0.750	0.750	0.741
8	East Garo Hills	0.690	0.750	0.740	0.729
9	West Garo Hills	0.730	0.750	0.740	0.739
10.	South West Garo Hills	0.730	0.740	0.740	0.737
11	South Garo Hills	0.690	0.740	0.720	0.718
	Meghalaya	0.754	0.782	0.786	0.774

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	0.559	0.428	0.429	0.479
2.	Ri Bhoi	0.576	0.464	0.551	0.519
3	West Khasi Hills	0.446	0.5	0.519	0.492
4	South West Khasi Hills	0.567	0.515	0.467	0.504
5	East Jaintia Hills	0.376	0.362	0.36	0.364
6	West Jaintia Hills	0.335	0.302	0.165	0.266
7	North Garo Hills	0.477	0.434	0.379	0.420
8	East Garo Hills	0.467	0.472	0.461	0.466
9	West Garo Hills	0.424	0.419	0.383	0.411
10.	South West Garo Hills	0.471	0.435	0.4	0.433
11	South Garo Hills	0.435	0.48	0.456	0.458
	Meghalaya	0.450	0.434	0.412	0.430

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	Summer	Monsoon	Winter	Overall
2.	Ri Bhoi	8.960	9.030	8.970	8.981
3	West Khasi Hills	9.060	9.050	9.030	9.052
4	South West Khasi Hills	8.370	8.440	8.400	8.382
5	East Jaintia Hills	8.360	8.440	8.390	8.395
6	West Jaintia Hills	8.840	8.830	8.840	8.833
7	North Garo Hills	8.840	8.830	8.840	8.802
8	East Garo Hills	8.770	8.750	8.780	8.738
9	West Garo Hills	8.740	8.740	8.730	8.676
10.	South West Garo Hills	8.450	8.600	8.450	8.518
11	South Garo Hills	8.440	8.550	8.450	8.453
	Meghalaya	8.985	8.995	8.880	8.951

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	6.535	7.824	7.493	7.277
2.	Ri Bhoi	8.637	8.763	8.218	8.551
3	West Khasi Hills	8.342	8.405	6.453	7.664
4	South West Khasi Hills	6.657	7.791	5.244	6.396
5	East Jaintia Hills	8.441	7.064	6.468	7.305
6	West Jaintia Hills	7.936	8.83	5.955	6.968
7	North Garo Hills	6.642	8.091	4.44	6.422
8	East Garo Hills	7.374	7.195	4.916	6.32
9	West Garo Hills	8.45	7.115	6.698	7.183
10.	South West Garo Hills	5.733	7.182	6.215	6.449
11	South Garo Hills	0	0	0	0
	Meghalaya	7.621	8.139	7.519	7.746

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	1.850	1.850	1.850	1.839
2.	Ri Bhoi	1.850	1.850	1.860	1.852
3	West Khasi Hills	1.850	1.850	1.850	1.85
4	South West Khasi Hills	0.000	0.000	0.000	0
5	East Jaintia Hills	1.840	1.850	1.860	1.848
6	West Jaintia Hills	1.840	1.850	1.850	1.825
7	North Garo Hills	0.000	0.000	0.000	0
8	East Garo Hills	1.850	0.000	0.000	1.236
9	West Garo Hills	1.850	1.850	1.860	1.854
10.	South West Garo Hills	1.850	1.840	1.840	1.842
11	South Garo Hills	0.000	0.000	0.000	0
	Meghalaya	1.847	1.847	1.836	1.843

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	1.143	1.190	1.172	1.175
2.	Ri Bhoi	1.441	1.020	0.683	0.993
3	West Khasi Hills	0.693	0.938	0.735	0.764
4	South West Khasi Hills	0.000	0.000	0.000	0.000
5	East Jaintia Hills	1.196	1.244	1.145	1.201
6	West Jaintia Hills	0.920	0.950	1.074	0.975
7	North Garo Hills	0.000	0.000	0.000	0.000
8	East Garo Hills	0.924	0.000	0.000	0.618
9	West Garo Hills	1.215	1.015	1.171	1.145
10.	South West Garo Hills	1.391	1.378	1.391	1.387
11	South Garo Hills	0.000	0.000	0.000	0.000
	Meghalaya	1.193	1.118	1.044	1.120

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

Sl. No.	Name of Districts	Summer	Monsoon	Winter	Overall
1.	East Khasi Hills	1.210	0.696	0.755	2.661
2.	Ri Bhoi	0.301	0.640	0.847	1.788
3	West Khasi Hills	1.067	1.523	1.642	4.232
4	South West Khasi Hills	0.353	0.638	0.624	1.615
5	East Jaintia Hills	0.613	0.845	1.135	2.593
6	West Jaintia Hills	0.321	0.507	0.205	1.033
7	North Garo Hills	0.930	0.909	1.190	3.030
8	East Garo Hills	0.681	0.833	0.842	2.356
9	West Garo Hills	4.042	2.760	2.613	9.415
10.	South West Garo Hills	1.322	1.324	1.309	3.954
11	South Garo Hills	0.643	0.736	0.625	2.004
	Meghalaya	11.483	11.410	11.788	34.681

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

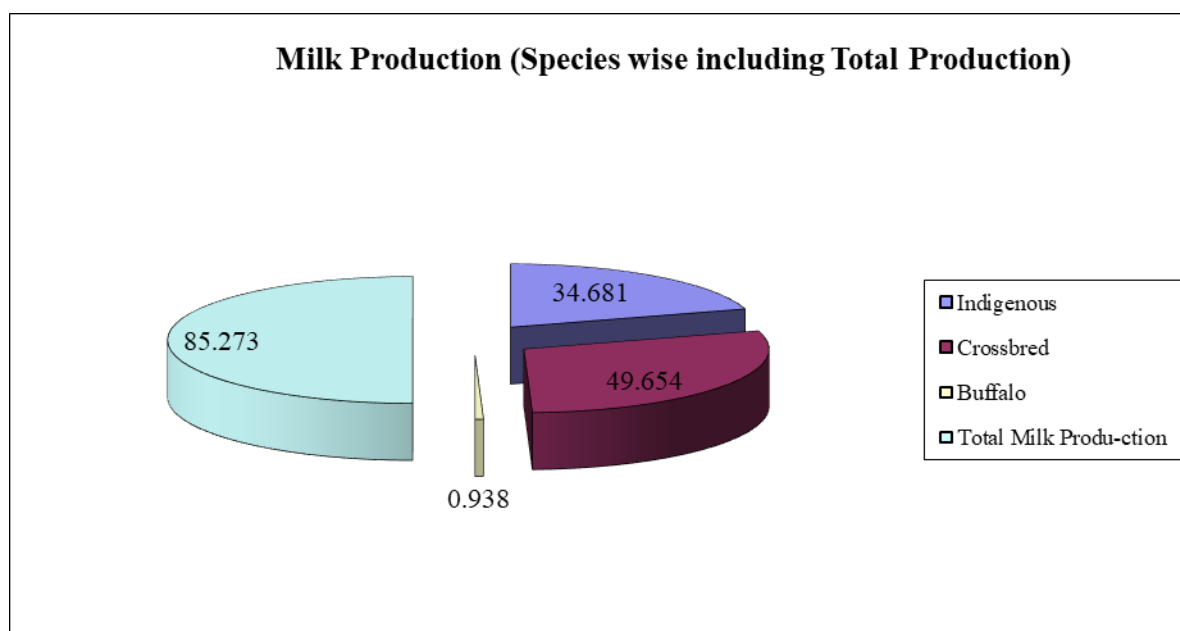
Sl. No.	Name of Districts	Summer	Monsoon	Winter	Overall
1.	East Khasi Hills	6.630	7.562	8.310	22.501
2.	Ri Bhoi	8.683	6.928	6.429	22.040
3	West Khasi Hills	0.150	0.125	0.117	0.392
4	South West Khasi Hills	0.044	0.137	0.113	0.294
5	East Jaintia Hills	0.582	0.500	0.476	1.557
6	West Jaintia Hills	0.170	0.176	0.325	0.671
7	North Garo Hills	0.055	0.093	0.047	0.195
8	East Garo Hills	0.043	0.088	0.056	0.187
9	West Garo Hills	0.314	0.704	0.570	1.589
10.	South West Garo Hills	0.037	0.088	0.103	0.228
11	South Garo Hills	0.000	0.000	0.000	0.000
	Meghalaya	16.709	16.400	16.546	49.654

Table 4.9: Milk Production- Buffaloes (Tonnes).

Sl. No.	Name of Districts	Summer	Monsoon	Winter	Overall
1.	East Khasi Hills	0.012	0.014	0.013	0.039
2.	Ri Bhoi	0.065	0.078	0.049	0.192
3	West Khasi Hills	0.037	0.025	0.025	0.088
4	South West Khasi Hills	0.000	0.000	0.000	0.000
5	East Jaintia Hills	0.010	0.009	0.011	0.030
6	West Jaintia Hills	0.006	0.006	0.008	0.021
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	0.108	0.062	0.087	0.258
10.	South West Garo Hills	0.115	0.097	0.098	0.310
11	South Garo Hills	0.000	0.000	0.000	0.000
	Meghalaya	0.355	0.292	0.291	0.938

Table 4.10: Total Milk Production in the State. ('000' Tonnes) 2017-18

Sl. No.	Name of Districts	Cows Milk			Buffalo	Total Milk Production	Previous Years Production 2016-2017	% Increase or Decrease over 2016-17
		Indigenous	Crossbred	Total				
1.	East Khasi Hills	2.661	22.501	25.162	0.039	25.201	25.097	0.41%
2.	Ri Bhoi	1.788	22.040	23.828	0.192	24.020	21.288	12.83%
3	West Khasi Hills	4.232	0.392	4.624	0.088	4.712	5.362	-12.12%
4	South West Khasi Hills	1.615	0.294	1.909	0.000	1.909	2.311	-17.4%
5	East Jaintia Hills	2.593	1.557	4.150	0.030	4.180	4.346	-3.82%
6	West Jaintia Hills	1.033	0.671	1.704	0.021	1.725	1.49	15.77%
7	North Garo Hills	3.030	0.195	3.225	0.000	3.225	3.594	-10.27%
8	East Garo Hills	2.356	0.187	2.543	0.000	2.543	2.608	-2.49%
9	West Garo Hills	9.415	1.589	11.004	0.258	11.262	10.082	11.7%
10.	South West Garo Hills	3.954	0.228	4.182	0.310	4.492	4.494	-0.04%
11	South Garo Hills	2.004	0.000	2.004	0.000	2.004	3.522	-43.1%
	Meghalaya	34.681	49.654	84.335	0.938	85.273	84.195	1.28%



**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 4.11: 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	
2016-17	8.888	0.762	1.839	7.542	0.397	1.133
2017-18	8.951	0.774	1.843	7.746	0.430	1.120

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 4.12: 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	
2016-17	14.99	122.25	1.22	17.67	234.98	3.17
2017-18	15.16	122.76	1.39	17.51	220.56	2.29

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%

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			
2016-17	48.771	34.112	1.31	84.195	(+) 1.08%
2017-18	49.654	34.681	0.938	95.273	(+)1 .28%

Chapter – 5

District-wise & Season-wise Estimates

Egg Production

**Table 5.1 (a): District-wise and Season-Wise Estimated No. of Poultry (Fowls), 2017-18
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	1793	1248	946	210	135	395	703	427	1645	352	572	8426
Monsoon	1491	1095	914	210	244	743	635	472	1645	391	643	8484
Winter	1832	1135	814	220	512	764	849	605	1217	344	643	8935
Over All	1715	1155	895	213	297	633	726	504	1502	364	622	8627
<u>Improved</u>												
Summer	200	72	115	2	44	73	22	88	146	17	0	778
Monsoon	165	180	27	0	63	116	24	81	91	8	4	758
Winter	203	214	55	0	23	44	25	89	47	0	10	711
Over All	188	156	66	1	40	78	24	86	87	8	5	738
<u>Total</u>												
Summer	1993	1320	1061	212	179	468	725	515	1791	369	572	9204
Monsoon	1656	1275	941	210	307	859	659	553	1736	399	647	9242
Winter	2035	1349	869	220	535	808	874	694	1264	344	653	9646
Over All	1903	1311	961	214	337	711	750	590	1589	372	627	9365

Table 5.1(b): District-wise and Season-wise Estimated No. of Poultry (Ducks) 2017-18.
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	16	8	0	0	0	0	0	0	79	17	3	123
Monsoon	0	0	0	0	0	3	0	0	66	10	0	78
Winter	8	2	0	0	0	0	0	0	9	0	0	20
Over All	8	3	0	0	0	1	0	0	54	8	1	76
<u>Improved</u>												
Summer	0	0	0	0	0	0	0	0	0	0	0	0
Monsoon	0	0	0	0	0	0	0	0	0	0	0	0
Winter	0	0	0	0	0	0	0	0	0	0	0	0
Over All	0	0	0	0	0	0	0	0	0	0	0	0
<u>Total</u>												
Summer	16	8	0	0	0	0	0	0	79	17	3	123
Monsoon	0	0	0	0	0	3	0	0	66	10	0	78
Winter	8	2	0	0	0	0	0	0	9	0	0	20
Over All	8	3	0	0	0	1	0	0	54	8	1	76

Table 5.2 (a): District-wise and Season-Wise Estimated Yield per Layer (Fowls) 2017-18

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	36	36	35	34	35	35	35	35	35	35	34	35
Monsoon	36	36	36	34	34	34	34	34	36	34	36	35
Winter	35	35	34	34	34	35	34	34	35	34	35	35
Over All	107	107	105	102	103	104	103	103	106	103	105	105
<u>Improved</u>												
Summer	73	74	70	70	70	70	70	70	70	70	0	71
Monsoon	73	74	34	0	69	35	68	69	69	34	34	71
Winter	72	73	68	0	68	68	66	69	70	0	68	71
Over All	218	221	172	70	207	173	204	208	209	104	102	216
<u>Total</u>												
Summer	40	38	39	34	44	40	36	41	38	37	34	38
Monsoon	40	41	37	34	41	39	35	39	38	35	36	38
Winter	39	41	36	34	35	37	35	38	36	34	36	37
Over All	118	120	112	102	120	116	106	119	112	105	106	114

Table 5.2(b): District-wise and Season-wise Estimated Yield per Layer (Ducks) 2017-18.

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	0	0	0	0	0	34	0	0	34	34	0	34
Winter	35	35	0	0	0	0	0	0	34	0	0	35
Over All	0	0	35	34	35	69	34	35	103	69	34	101
<u>Improved</u>												
Summer	0	0	0	0	0	0	0	0	0	0	0	0
Monsoon	0	0	0	0	0	0	0	0	0	0	0	0
Winter	0	0	0	0	0	0	0	0	0	0	0	0
Over All	0	0	0	0	0	0	0	0	0	0	0	0
<u>Total</u>												
Summer	35	35	35	0	0	0	0	0	35	35	34	35
Monsoon	0	0	0	0	0	34	0	0	34	34	0	34
Winter	35	35	0	0	0	0	0	0	34	0	0	35
Over All	70	70	35	0	0	34	0	0	103	69	34	103

Table 5.3(a): District-wise and Season-Wise Estimated Egg Production (Fowls) 2017-18.
(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	64.56	44.92	33.11	7.13	4.72	13.84	24.62	14.93	57.57	12.34	19.44	297.18
Monsoon	53.68	39.42	32.92	7.13	8.31	25.26	21.60	16.05	59.22	13.28	23.16	300.03
Winter	64.13	39.72	27.66	7.47	17.42	26.75	28.85	20.57	42.60	11.68	22.52	309.37
Over All	182.37	124.06	93.68	21.73	30.45	65.84	75.06	51.56	159.39	37.30	65.12	906.58
<u>Improved</u>												
Summer	14.58	5.30	8.05	0.14	3.08	5.09	1.57	6.14	10.24	1.16	0.00	55.35
Monsoon	12.05	13.33	1.80	0.00	4.34	7.98	1.60	5.55	6.29	0.56	0.27	53.78
Winter	14.61	15.59	3.75	0.00	1.57	3.00	1.67	6.16	3.32	0.00	0.68	50.35
Over All	41.23	34.23	13.61	0.14	9.00	16.07	4.84	17.85	19.84	1.73	0.95	159.48
<u>Total</u>												
Summer	79.14	50.22	41.16	7.27	7.80	18.93	26.19	21.07	67.81	13.50	19.44	352.53
Monsoon	65.73	52.75	34.72	7.13	12.65	33.24	23.20	21.60	65.51	13.84	23.43	353.81
Winter	78.74	55.31	31.41	7.47	18.99	29.75	30.52	26.73	45.92	11.68	23.20	359.72
Over All	223.60	158.29	107.29	21.87	39.45	81.91	79.90	69.41	179.23	39.03	66.07	1066.06

Table 5.3(b): District-wise and Season-wise Estimated Egg production (Ducks) 2017-18.
(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	0.56	0.26	0.02	0.00	0.00	0.00	0.00	0.00	2.77	0.58	0.12	4.31
Monsoon	0.00	0.00	0.00	0.00	0.00	0.09	0.00	0.00	2.24	0.33	0.00	2.66
Winter	0.28	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.32	0.00	0.00	0.68
Over All	0.84	0.34	0.02	0.00	0.00	0.09	0.00	0.00	5.33	0.91	0.12	7.64
<u>Improved</u>												
Summer	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Monsoon	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Winter	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Over All	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<u>Total</u>												
Summer	0.56	0.26	0.02	0.00	0.00	0.00	0.00	0.00	2.77	0.58	0.12	4.31
Monsoon	0.00	0.00	0.00	0.00	0.00	0.09	0.00	0.00	2.24	0.33	0.00	2.66
Winter	0.28	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.32	0.00	0.00	0.68
Over All	0.84	0.34	0.02	0.00	0.00	0.09	0.00	0.00	5.33	0.91	0.12	7.64

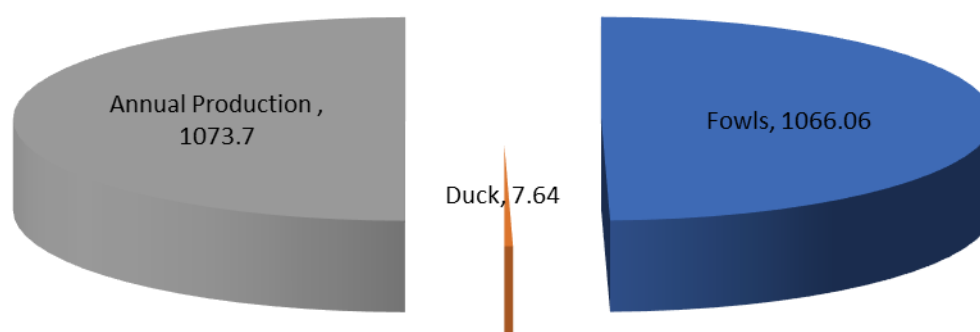
Table 5.4 (a): Estimated Total Egg production. (Lakhs Numbers) 2017-18.

Sl No.	Name of Districts	Summer		Monsoon		Winter	
		Fowls	Duck	Fowls	Duck	Fowls	Duck
1.	East Khasi Hills	79.13	0.56	65.73	0.00	78.74	0.28
2.	Ri Bhoi	50.22	0.26	52.76	0.00	55.31	0.08
3	West Khasi Hills	41.16	0.02	34.72	0.00	31.41	0.00
4	South West Khasi Hills	7.28	0.00	7.13	0.00	7.47	0.00
5	East Jaintia Hills	7.80	0.00	12.65	0.00	18.98	0.00
6	West Jaintia Hills	18.93	0.00	33.23	0.09	29.75	0.00
7	North Garo Hills	26.18	0.00	23.20	0.00	30.52	0.00
8	East Garo Hills	21.07	0.00	21.61	0.00	26.73	0.00
9	West Garo Hills	67.81	2.77	65.51	2.24	45.91	0.32
10.	South West Garo Hills	13.50	0.58	13.85	0.33	11.68	0.00
11	South Garo Hills	19.44	0.12	23.44	0.00	23.20	0.00
	Meghalaya	352.53	4.31	353.82	2.66	359.72	0.68

Table 5.4 (b): Estimated Total Egg production. (Lakhs Numbers) 2017-18.

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	223.60	0.84	224.44	206.29	8.8%
2.	Ri Bhoi	158.29	0.34	158.63	150.68	5.28%
3	West Khasi Hills	107.29	0.02	107.31	92.29	16.27%
4	South West Khasi Hills	21.88	0.00	21.88	25.17	-13.07%
5	East Jaintia Hills	39.44	0.00	39.44	51.75	-23.79%
6	West Jaintia Hills	81.91	0.09	82.00	81.06	1.16%
7	North Garo Hills	79.90	0.00	79.90	75.84	5.35%
8	East Garo Hills	69.41	0.00	69.41	69.12	0.42%
9	West Garo Hills	179.23	5.33	184.56	196.82	-6.23%
10.	South West Garo Hills	39.03	0.91	39.94	52.3	-23.63%
11	South Garo Hills	66.08	0.12	66.20	62.59	5.77%
	Meghalaya	1066.06	7.64	1073.70	1063.91	0.92%

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
2017-18	8.627	0.74	9.367	0.076	0	0.76	8.703	0.74	9.443

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%
2017-18	105	216	114	914.22	159.48	1073.7	(+) 0.92%

Chapter – 6

SEASON WISE PERCENTAGE UTILISATION OF MILK EGG & DUNG IN SAMPLE HOUSEHOLD.

2017-18

Table 6.1: Utilisation of Milk.

Season	Sold as fluid Milk	Converted into Milk products	Consumed as Fluid Milk in the Household	Total
Summer	95.17	1.12	3.71	100
Monsoon	96.79	1.30	4.00	100
Winter	92.93	1.75	5.33	100
Overall	96.24	1.35	4.25	100

Table 6.2: Percentage Utilization of Produced Eggs.

Season	Utilisation for Home consumption	Set for Hatching	Egg Sold	Damaged or Spoiled	Total
Summer	17.27	20.89	56.50	5.34	100
Monsoon	16.55	18.11	62.49	2.86	100
Winter	16.99	20.09	60.75	0.82	100
Overall	16.92	19.64	60.05	3.40	100

Table 6.5: Season wise Utilisation of Dung collected From Bovine at Sample Household 2017-18.

Sl No.	Particulars	Unit	Summer	Monsoon	Winter	Over all
1.	Total No. of Sample animals observed for Dung Utilisation.	Nos.	4327	4528	3191	12046
2.	Average quantity of Dung collected per animal per day.	Kg	29.14	24.62	27.94	81.70
3.	Dung Utilized for manure.	Percentage	96.12	96.47	96.06	96.21
4.	Dung Utilized for Dung cake.	Percentage	2.33	2.11	2.29	2.25
5.	Dung Utilized for other purpose.	Percentage	1.54	1.42	1.65	1.54

Table 6.6: Per Capita availability of Milk and Egg

Items	Unit	Per Capita Availability
Milk	Grams / day	83
Eggs	Nos. / year	38

Table 6.3: Season wise Percentage of Animals which were Grazed, Stallfed or Both. 2017-18

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	83.83	4.61	11.56	100%	85.73	8.52	5.75	100%	88.95	2.56	8.49	100%
	(b) Adult Male	84.59	5.03	10.38	100%	78.26	4.70	17.04	100%	85.98	3.88	10.14	100%
	(c) Young Stock upto 3 Years old.	58.93	18.11	22.96	100%	84.54	13.69	1.77	100%	76.94	18.77	4.29	100%
	Overall :-	78.22	7.92	13.86	100%	84.35	9.53	6.12	100%	85.66	6.38	7.96	100%
1.2	CROSS BRED												
	(a) In Milk	8.40	81.30	10.30	100%	16.16	78.05	5.79	100%	15.69	73.27	11.04	100%
	(b) Adult Male	68.03	17.00	14.97	100%	43.87	45.81	10.32	100%	17.80	69.49	12.71	100%
	(c) Young Stock upto 3 Years old.	59.25	18.41	22.34	100%	25.75	61.75	12.50	100%	22.17	67.44	10.39	100%
	Overall :-	42.05	40.34	17.61	100%	19.86	72.80	7.34	100%	17.70	71.31	10.99	100%
2	BUFFALOES												
	(a) In Milk	89.83	-	10.17	100%	91.75	-	8.25	100%	91.07	-	8.93	100%
	© Adult Male	94.05	-	5.95	100%	93.25	-	6.75	100%	90.43	-	9.57	100%
	(d) Young Stock upto 3 Years old.	94.72	-	5.28	100%	90.00	-	10.00	100%	83.87	-	16.13	100%
	Overall :-	93.52	-	6.48	100%	92.26	-	7.74	100%	87.23	-	12.77	100%

ANNEXURE – X

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

Name of State : Meghalaya Year -2017-18

Sl. No	Category of Animals	Average Feed Consumption (in Kg.per animals/ per day)												No. Of Animals			
		Green Fodder				Dry Fodder				Concentrate							
		Summer	Rainy	Winter	Annual	Summer	Rainy	Winter	Annual	Summer	Rainy	Winter	Annual	Summer	Rainy	Winter	Total
1	Cattle Indigenous/ NonDiscript)																
	a) Adult Female	4.56	5.70	4.56	5.00	2.18	2.65	2.72	2.51	1.42	0.00	0.00	0.49	1059	1199	837	3095
	b) Adult Male	3.95	4.25	4.10	4.12	1.96	2.09	2.28	2.11	0.00	0.00	0.00	0.00	408	644	464	1516
	c) Young Stock upto 3 years	3.20	3.15	2.95	3.10	0.00	0.69	0.88	0.54	0.00	0.00	0.00	0.00	527	574	598	1699
	d) Overall (%)	30.11	42.16	27.73	100.00	26.15	41.38	32.48	100.00	100.00	0.00	0.00	100.00	1994	2417	1899	6310
2	Cattle (Exotic/ Cross-bred)																
	a) Adult Female	18.92	18.98	9.95	15.05	5.75	6.42	17.62	11.19	4.71	3.35	4.98	4.25	654	1932	1985	4571
	b) Adult Male	16.10	15.32	8.72	12.26	4.62	5.69	16.58	10.75	3.10	1.72	3.10	2.48	58	341	357	756
	c) Young Stock upto 2 & 1/2 years	13.28	13.20	7.85	11.01	2.90	2.45	15.42	7.88	1.10	0.95	1.10	1.04	253	570	578	1401
	d) Overall (%)	17.83	52.86	29.31	100.00	6.77	22.39	70.84	100.00	15.54	33.38	51.07	100.00	965	2843	2920	6728
3	Buffalo																
	a) Adult Female	4.05	4.33	4.15	4.11	1.85	1.49	1.60	1.70	0.00	0.00	0.00	0.00	120	0	175	295
	b) Adult Male	3.40	3.74	3.10	3.19	1.70	0.00	1.46	1.53	0.00	0.00	0.00	0.00	28	0	66	94
	c) Young Stock upto 3 years	1.30	1.92	1.67	1.54	1.15	0.00	1.29	1.24	0.00	0.00	0.00	0.00	42	0	82	124
	d) Overall (%)	37.32	0.00	62.68	100.00	39.74	0.00	60.26	100.00	0.00	0.00	0.00	0.00	190	0	323	513

Source : LPS- 1.2. Block-II

Meat Production – 2017-18

Meat Production – 2017-18

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.	42974	8032	12905	1801	1978	7543	1237	1749	6404	1488	3143	89254	44750	44504
(b)	Buffaloes.	224	0	0	0	599	118	0	89	589	57	0	1676	1676	
©	Pig	57497	7240	6348	1825	4150	11544	571	1815	7415	1116	5449	104970	97392	7578
(d)	Sheep & Goat	21139	3046	425	247	4557	1456	190	1675	7834	978	2078	43625	41261	2364
(e)	Poultry.	511802	54957	56562	17228	23981	83251	11420	27075	90029	12599	30302	919206	878578	40628
	<u>MONSOON</u>														
(a)	Cattle.	39972	7666	8753	1948	3377	7629	1332	1635	5456	1828	3264	82860	32059	50801
(b)	Buffaloes.	252	0	0	0	486	152	0	98	528	0	0	1516	1516	
©	Pig.	61904	8682	8279	2479	3860	13177	1047	2013	6521	1021	4353	113336	105433	7903
(d)	Sheep & Goat	22570	2999	450	407	4642	1710	262	2274	4757	1276	1773	43120	41288	1832
(e)	Poultry.	317301	102008	108367	27054	28323	57288	20603	48868	118020	17036	71822	916690	885934	30756
	<u>WINTER</u>														
(a)	Cattle.	39663	8036	10739	2150	2340	8309	1192	1389	7023	1423	3059	85323	39686	45637
(b)	Buffaloes.	242	0	0	0	595	102	0	45	576	18	58	1636	1636	
©	Pig.	57650	8359	7825	2630	4744	12731	1789	2140	6940	1288	6722	112818	104761	8057
(d)	Sheep & Goat	18817	7518	795	1357	5367	1617	331	1669	2916	1035	1850	43272	41098	2174
(e)	Poultry.	437793	64040	41426	5415910	33437	95034	7542	19470	67721	11166	22346	815885	782808	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	122.61	23.73	32.4	5.9	7.7	23.48	3.76	4.77	18.88	4.74	9.47	257.44	116.5	140.94
2.	Buffaloes	0.72	0	0	0	1.68	0.37	0	0.23	1.69	0.08	0.06	4.83	4.83	0
3.	Pig	177.05	24.28	22.45	6.93	12.75	37.45	3.41	5.97	20.88	3.43	16.52	331.12	307.58	23.54
4.	Sheep & Goat	62.53	13.56	1.67	2.01	14.57	4.78	0.78	5.62	15.51	3.29	5.70	130.02	123.65	6.37
5.	Poultry	1266.9	221.01	206.36	60.19	85.74	235.57	39.57	95.41	275.77	40.8	124.47	2651.79	2547.33	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	90.00	90.00	89.48	89.50	89.70	89.50	89.87	90.00	89.97	89.99	89.94
(b)	Buffaloes.	118.00	0.00	0.00	0.00	118.00	118.00	0.00	117.00	118.00	118.00	0.00	118.00
(c)	Pig.	43.50	43.50	43.50	43.50	43.49	43.50	43.50	43.49	43.50	43.50	43.50	43.50
(d)	Sheep & Goat.	10.30	10.30	10.20	10.08	10.20	10.20	10.20	10.20	10.30	10.30	10.37	10.28
(e)	Poultry.	1.35	1.30	1.30	1.25	1.30	1.30	1.25	1.25	1.30	1.25	1.30	1.32
	<u>MONSOON</u>												
(a)	Cattle.	90.50	89.99	90.00	89.53	90.01	89.74	89.52	89.75	90.50	89.98	90.00	90.23
(b)	Buffaloes.	118.00	0.00	0.00	0.00	117.93	117.74	0.00	118.38	117.98	0.00	0.00	117.97
(c)	Pig.	43.50	43.50	43.50	43.40	43.40	43.30	43.29	43.40	43.50	43.26	43.50	43.46
(d)	Sheep & Goat.	10.50	10.50	10.40	10.40	10.40	10.50	10.39	10.50	10.50	10.39	10.40	10.48
(e)	Poultry.	1.40	1.40	1.40	1.30	1.30	1.40	1.30	1.35	1.40	1.30	1.30	1.38
	<u>WINTER</u>												
(a)	Cattle.	90.00	89.81	89.71	89.66	89.70	89.70	89.48	89.58	89.90	89.63	89.59	89.86
(b)	Buffaloes.	118.29	0.00	0.00	0.00	118.40	118.05	0.00	118.18	118.48	116.11	118.21	118.35
(c)	Pig.	43.74	43.76	43.90	43.77	44.07	43.53	43.49	43.40	43.59	43.40	41.83	43.61
(d)	Sheep & Goat.	10.44	10.40	10.39	10.30	10.37	10.37	10.30	10.34	10.40	10.31	10.33	10.40
(e)	Poultry.	1.40	1.40	1.39	1.37	1.38	1.37	1.34	1.33	1.40	1.35	1.32	1.39

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 & Season-wise 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.	3868	723	1161	161	177	677	111	157	576	134	283	8028	4025	4003
2.	Buffaloes	26	0	0	0	71	14	0	10	70	7	0	198	198	0
3.	Pigs	2501	315	276	79	180	502	25	79	323	49	237	4566	4236	330
4.	Sheep &Goat.	218	31	4	2	46	15	2	17	81	10	22	448	424	24
5.	Poultry.	691	71	74	22	31	108	14	34	117	16	39	1217	1163	54
	TOTAL	7304	1140	1515	264	505	1316	152	297	1167	216	581	14457	10046	4411
	<u>MONSOON</u>														
1.	Cattle.	3617	690	788	174	304	685	119	147	494	164	294	7476	2892	4584
2.	Buffaloes	30	0	0	0	57	18	0	12	62	0	0	179	179	0
3.	Pigs	2693	378	360	108	168	571	45	87	284	44	189	4927	4584	343
4.	Sheep &Goat.	237	31	5	4	48	18	3	24	50	13	18	451	432	19
5.	Poultry.	444	143	152	35	37	80	27	66	165	22	93	1264	1222	42
	TOTAL	7021	1242	1305	321	614	1372	194	336	1055	243	594	14297	9309	4988
	<u>WINTER</u>														
1.	Cattle.	3570	722	963	193	210	745	107	124	631	128	274	7667	3566	4101
2.	Buffaloes	29	0	0	0	70	12	0	5	68	2	7	193	193	0
3.	Pigs	2522	366	344	115	209	554	78	93	303	56	281	4921	4570	351
4.	Sheep &Goat.	196	78	8	14	56	17	3	17	30	11	19	449	426	23
5.	Poultry.	613	90	58	22	46	130	10	26	95	15	29	1134	1088	46
	TOTAL	6930	1256	1373	344	591	1458	198	265	1127	212	610	14364	9843	4521
	OVERALL	21255	3638	4193	929	1710	4146	544	898	3349	671	1785	43118	29198	13920

7.6: District-wise & Category-wise Meat Production

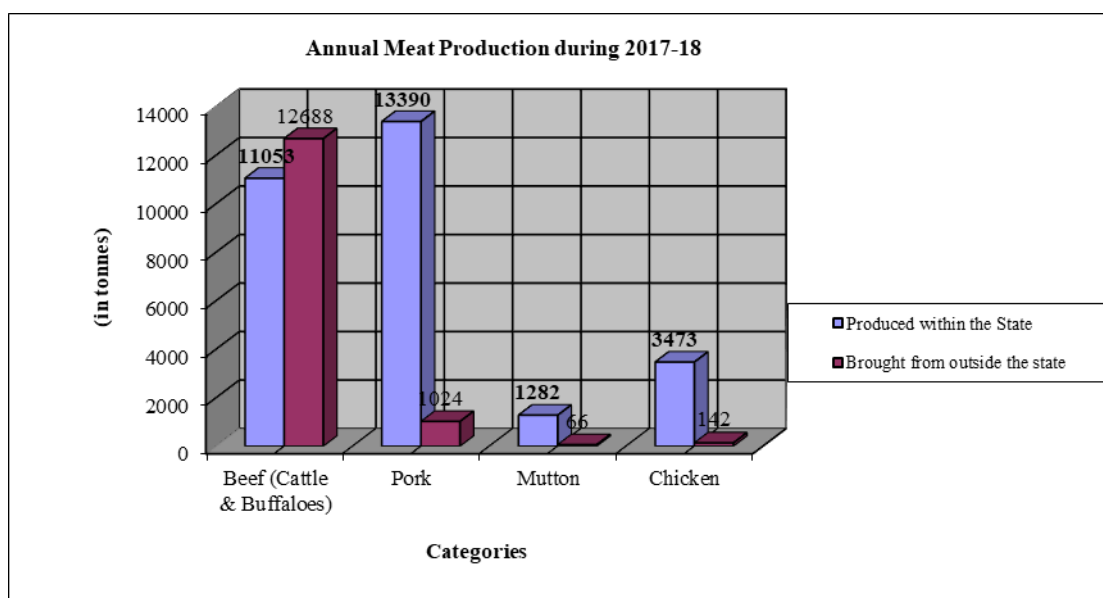
Sl No	Particulars	East Khasi Hills	Ri-Bhoi	West Khasi Hills	South West Khasi Hills	East Jaintia Hills	West Jaintia Hills	North Garo Hills	East Garo Hills	West Garo Hills	South West Garo Hills	South Garo Hills	Total	Source	
														Within the State	Brought from outside the State
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
1.	Cattle	11055	2135	2912	528	691	2107	337	428	1701	426	851	23171	10483	12688
2	Buffaloes	85	0	0	0	198	44	0	27	200	9	7	570	570	0
3.	Pig	7716	1059	980	302	557	1627	148	259	910	149	707	14414	13390	1024
4.	Sheep & Goat	651	140	17	20	150	50	8	58	161	34	59	1348	1282	66
5.	Poultry	1748	304	284	79	114	318	51	126	377	53	161	3615	3473	142
	TOTAL	21255	3638	4193	929	1710	4146	544	898	3349	671	1785	43118	29198	13920

Table 7.7: District wise and Category wise Meat Production and Percentage Contribution to Total Meat Production

Sl No.	Name of Districts	Meat Production Category Wise (Tonnes)						Annual Production 2017-18 (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	11055	85	11140	7716	651	1748	21255	49.29 %
2.	Ri – Bhoi	2135	0	2135	1059	140	304	3638	8.44 %
3.	West Khasi Hills	2912	0	2912	980	17	284	4193	9.72 %
4	South West Khasi Hills	528	0	528	302	20	79	929	2.15 %
5	East Jaintia Hills	691	198	889	557	150	114	1710	3.97 %
6	West Jaintia Hills	2107	44	2151	1627	50	318	4146	9.62 %
7	North Garo Hills	337	0	337	148	8	51	544	1.26 %
8	East Garo Hills	428	27	455	259	58	126	898	2.08 %
9	West Garo Hills	1701	200	1901	910	161	377	3349	7.77 %
10	South West Garo Hills	426	9	435	149	34	53	671	1.56 %
11	South Garo Hills	851	7	858	707	59	161	1785	4.14 %
	State (Overall)	23171	570	23741	14414	1348	3615	43118	100 %
	Percentage Contribution of each species to total production	53.74%	1.32%	55.06%	33.43%	3.13%	8.38%	100%	

Table 7.8: Total Meat production in the State and Percentage change over the previous year.

Sl No.	Items	Annual Meat Production (in tonnes)						Percentage Increase (+) or Decrease (-) over 2016-17
		2017-18			2016-17			
		Produced within the State	Brought from outside the	Total	Produced within the State	Brought from outside the State	Total	
			State			State		
1	2	3	4	5	6	7	8	9
1	Beef (Cattle & Buffaloes)	11053	12688	23741	10160	13024	23184	2.36%
2	Pork	13390	1024	14414	12842	1021	13863	3.92%
3	Mutton	1282	66	1348	1303	66	1369	-1.24%
4	Chicken	3473	142	3615	3627	136	3763	-6.78%
5	Total	29198	13920	43118	27932	14247	42179	1.94%



7.9: Per Capita Availability of Meat Grams / Day 2017-18

Items	Per Capita Availability
Beef	23.08
Pork	14.01
Mutton	1.31
Chicken	3.51
Total	41.91

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

Year	Number of Animals Slaughtered ('000' Nos.)				
	Cattle	Buffaloes	Pig	Sheep & Goat	Poultry
2016-17	251.81	4.72	319.78	132.81	2870.14
2017-18	257.44	4.83	331.12	130.02	2651.79

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
2017-18	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
2017-18	23.741	14.41	1.35	3.62	43.118

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
2017-18	85.27	43.118	107.37





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