



Government of Meghalaya

**REPORT ON INTEGRATED
SAMPLE SURVEY
FOR**

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

YEAR : 2009-10.

**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 2009–2010 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.

However it may be mentioned that due to outbreak of Avian Influenza in the neighboring state of Assam there was a decline of poultry production within the State, hence import of chicken from outside is un-avoidable.

The result of the Survey indicates a growth rate of **0.92 %** on Milk, **0.20 %** on Egg and **0.67 %** on Meat over 2008-09.

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.

Sd/-
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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 $25^{\circ}47'$ and $26^{\circ}10'N$ and $89^{\circ}45'E$ and $92^{\circ}47'E$. 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 seven Districts namely: (i) East Khasi Hills (ii) Ri-Bhoi (iii) West Khasi Hills (iv) Jaintia Hills (v) East Garo Hills (vi) West Garo Hills, and (vii) 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 even in the middle of October after which it gradually diminishes. Sohra and Mawsynram in the East Khasi Hills are geographically considered as the雨iest 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. Percentage of Urban population is 19.63, and percentage of Literacy is 63.31. Table 1.2 below indicate the District Wise population both Rural and Urban. The Density per Sq. Km. in the State is 103 persons compared to 1991 Census with a density of 79 persons.

Table 1.1: General Information.

Sl. No.	Name of District	No of Sub-Division	No. of Blocks / Taluks / Tehsils	Villages 1998 Economics Census	Towns 2002
1.	East Khasi Hills	1	8	899	8
2.	Ri – Bhoi	-	3	570	1
3.	West Khasi Hills	2	6	914	2
4.	Jaintia Hills	2	5	465	1
5.	East Garo Hills	1	5	856	2
6.	West Garo Hills	2	8	1481	1
7.	South Garo Hills	-	4	595	1
	State (Overall)	8	39	5780	16

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

Table 1.2: Human Population (2001)

Sl. No.	Name of District	Males	Females	Total	Urban Population	Rural Population	Scheduled Caste	Scheduled Tribe
1.	East Khasi Hills	333553	327370	660923	277748	383175	2332	512152
2.	Ri – Bhoi	99319	93471	192790	13180	179610	300	167779
3.	West Khasi Hills	150419	145630	296049	34598	261451	42	290184
4.	Jaintia Hills	149891	149217	299108	25057	274051	456	287049
5.	East Garo Hills	127474	123108	250582	35907	214675	347	241916
6.	West Garo Hills	263424	254966	518390	58978	459412	7436	397166
7.	South Garo Hills	52007	48973	100980	8643	92337	226	96616
	State (Overall)	1176087	1142735	2318822	454111	1864711	11139	1992862

*Source : Final Population Totals Census of India 2001.
Office of the Director of Census Operation, Meghalaya.*

Table 1.3: Land Use Statistics (1996-97 to 2000-2001)
Hectares.

Sl. No.	Particulars	1996-97	1997-98	1998-99	1999-2000	2000-2001
1	2	3	4	5	6	7
	<u>Reporting Area for Land Utilisation Statistics.</u>	2240900	2240900	2240900	2240900	2240900
1.	Forest.	935334	933998	947000	941503	941823
2.	Not Available for Cultivation.	223695	226066	222495	224593	215484
3.	Other Uncultivated Land excluding Fallow Land.	632355	631466	621420	622440	630323
4.	Fallow Land.	284478	233782	228600	230622	231440
5.	Net Area Sown.	216418	215588	221385	221742	221830
6.	Area Sown more than once.	44066	44112	44445	4557	44986
	Total cropped Area.	260484	259700	265830	267319	266816

Source : Directorate of Economics & Statistics, Meghalaya.

Table 1.4: Classification of Households possessing Bovine according to the size of the Unit during the Year 2009-10.

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	7.79	19.48	27.27	31.17	10.39	-	3.90
2	Ri – Bhoi	1.19	16.67	50.00	14.29	10.71	2.38	4.76
3	West Khasi Hills	6.78	42.38	27.11	15.25	5.08	1.70	1.70
4	Jaintia Hills	2.99	8.96	16.42	13.43	26.87	16.42	14.92
5	East Garo Hills	-	-	17.08	17.08	14.63	19.51	31.71
6	West Garo Hills	-	3.23	16.12	19.35	19.35	8.07	33.88
7	South Garo Hills	5.00	15.00	30.00	17.50	5.00	10.00	17.50
	State (Overall)	3.49	15.81	27.67	18.61	13.49	7.21	13.72

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	2748	17	3	-	38	2	19	163
2.	Ri – Bhoi	2448	20	4	1	15	-	5	144
3.	West Khasi Hills	5247	20	-	1	12	1	10	71
4.	Jaintia Hills	3819	35	-	1	14	-	6	87
5.	East Garo Hills	2603	60	-	-	22	-	15	168
6.	West Garo Hills	3677	59	1	2	22	2	33	193
7.	South Garo Hills	1887	21	-	-	10	-	12	90
	State (Overall)	22,429	33	1	1	19	1	15	126

Table 1.6 Density of Livestock Population per ‘100’ Villages

Sl. No.	Name of District	Indig- enous Cattle	Crossbred Cattle	Buffa- loes	Pig	Sheep	Goat	Poultry				Over all
								Fowls	Ducks	Impr- oved	Desi	
1	2	3	4	5	6	7	8	9	10	11	12	13
1.	East Khasi Hills	5084	911	25	11767	642	5900	49241	434	5172	44503	49675
2.	Ri – Bhoi	8495	1587	632	6612	29	2352	61366	553	6440	55479	61919
3.	West Khasi Hills	11422	78	315	6853	561	5994	40532	159	1066	39626	40693
4.	Jaintia Hills	28366	290	440	11649	157	53	70530	2812	5354	66457	71811
5.	East Garo Hills	18236	9	114	6756	5	4508	51081	127	1249	49958	51228
6.	West Garo Hills	14689	203	555	5479	420	8124	45219	2581	754	47046	47801
7.	South Garo Hills	5702	19	7	3307	22	3792	27547	921	32	28436	28468
	State (Overall)	12871	399	311	7248	315	5663	47781	1025	2351	46386	48810

Chapter – 2

Livestock Census Data 2003.

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	8729	45705	54434	226	54660
2.	Ri – Bhoi	9045	48426	57471	3604	61075
3.	West Khasi Hills	717	104402	105119	2884	108003
4.	Jaintia Hills	1350	131905	133255	2048	135303
5.	East Garo Hills	81	156105	156186	977	157163
6.	West Garo Hills	3013	217549	220562	8223	228785
7.	South Garo Hills	113	39875	39988	41	40029
	State (Overall)	23048	743967	767015	18003	785018

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	266	5510	5776	53041	216
2.	Ri – Bhoi	40	126	166	13407	96
3.	West Khasi Hills	16	5116	5132	54781	1050
4.	Jaintia Hills	130	602	732	24642	415
5.	East Garo Hills	-	41	41	38587	21
6.	West Garo Hills	116	6112	6228	120311	18
7.	South Garo Hills	63	65	128	22563	17
	State (Overall)	631	17572	18203	327332	1833

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	16230	89566	105786	219479	915
2.	Ri – Bhoi	4112	33576	37688	112432	909
3.	West Khasi Hills	3817	58821	62638	231604	3
4.	Jaintia Hills	1556	52613	54169	215261	1278
5.	East Garo Hills	350	57533	57833	253695	2080
6.	West Garo Hills	2060	79080	81140	436482	3708
7.	South Garo Hills	166	19510	19676	82413	405
	State (Overall)	28291	390689	418980	1551366	9298

Table 2.2 : Poultry Population.

SL No.	Name of Districts	Fowls			Ducks			Turkey	Other Poultry Birds like Guineas , Fowls etc.	Grand Total
		Desi	Improve- ved	Total	Desi	Improve- ved	Total			
1.	East Khasi Hills	396247	46430	442677	3834	66	3900	-	-	446577
2.	Ri – Bhoi	314533	35253	349786	1698	1456	3154	-	-	352940
3.	West Khasi Hills	360727	9740	370467	1451	-	1451	-	14	371932
4.	Jaintia Hills	304694	23269	327963	4333	1626	5959	-	-	333922
5.	East Garo Hills	426617	10633	437250	1021	62	1083	16	168	438517
6.	West Garo Hills	658652	11044	669696	38103	128	38231	-	-	707927
7.	South Garo Hills	163716	190	163906	5479	-	5479	-	-	169385
	State (Overall)	2625186	136559	2761745	55919	3338	59257	16	182	2821200

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 Cell in the Directorate of Animal Husbandry in various States in Union Territories for the purpose of conducting Sample Survey for Estimation of Major Livestock Products and carrying out other Statistical activities, the Government of India initiated a Centrally Sponsored Schemes for our State during the Fifth Five Year Plan 50:50 sharing basis between the States and the Center.

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 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 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 where as 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 alongwith 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: - 2 Clusters of 2 households each, eggs- 2 clusters of 5 households each and meat 2 clusters of 10 households in the first round and double of this numbers in the subsequent rounds. The data on Wool Yield will be collected from 5 flocks in the shearing season only. 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 where as no Sub-Sampling within a household would be done in the cases of eggs and meat. Information for estimating Meat production per animal would be recorded from a Sample of 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 Deputy Director (Stats.) who is the implementing Officer of the Sample Survey Scheme the Research Officer, The Statistical Officer, The Inspector Statistics, The Statistical Assistants, The Senior Veterinary Field 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 2008-09	Estimate Current Year 2009-10	% of Increase or Decrease over previous Year
I	Milk				
	Indigenous Cows				
	Population				
A	In Milk	00 No.	1039	1050	(+) 1.06%
B	Milch	00 No.	2321	2341	(+) 0.86%
	Yield per Day				
C	In Milk	Kgs.	0.751	0.751	=
D	Milch	Kgs.	0.336	0.337	(+) 0.30%
E	Production	000 tonnes	28.463	28.758	(+) 1.04%
	Crossbred Cows				
	Population				
F	In Milk	00 Nos.	144	145	(+) 0.69%
G	Milch	00 Nos.	176	178	(+) 1.14%
	Yield per day				
H	In Milk	Kgs.	8.954	8.962	(+) 0.09%
I	Milch	Kgs.	7.311	7.310	(+) 0.14%
J	Production	000 tonnes	47.05	47.44	(+) 0.83%

Table 3.11 – contd.

Sl No.	Items	Unit	Estimates Previous Year 2008-09	Estimate Current Year 2009-10	% of Increase or Decrease over previous Year
	Buffalo Population				
K	In Milk	00 No.	29	30	(+) 3.45%
L	Milch	00 No.	57	57	=
	Yield per Day				
M	In Milk	Kgs.	1.856	1.855	(-) 0.05%
n	Milch	Kgs.	0.952	0.960	(+) 0.84%
o	Production	000 tonnes	1.856	2.014	(+) 8.51%
	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	77.50	78.21	(+) 0.92%
II	Egg Production				
	Layers				
u	Desi	00 No.	8334	8370	(+) 0.45%
v	Improved	00 No.	669	675	(+) 0.92%
w	Total	00 No.	9003	9028	(+) 0.48%
	Yield per layer per year				
x	Desi	No.	102	102	=
y	Improved	No.	216	216	=
	Production				
z	Desi	Lakhs Nos.	853.41	854.12	(+) 0.08%
aa	Improved	"	144.32	145.58	(+) 0.87%
ab	Total	"	997.73	999.7	(+) 0.20%

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

Sl. No.	Items	Summer	Monsoon	Winter	Annual (Over-all)
1. (a)	Total No. of District in the State.	7	7	7	7
1. (b)	Strata formed for District levels Estimates.				
2. (a)	Total No. of Villages in the State (inhabited)	5780	5780	5780	5780
2. (b)	No. of villages covered for detailed study.	35	35	35	105
2. (c)	No. of villages covered for detailed study.				
	i) for Milk	35	35	35	105
	ii) for Egg	35	35	35	105
3.(a)	Total No. of households in the State. (2001 Census) Lakhs Nos.	4.20	4.20	4.20	4.20
3. (b)	Percentage of Households keeping :-				
	i) Bovine	46.17%	41.76%	44.97%	44.44%
	ii) Poultry	79.54%	80.52%	80.78%	80.24%
	iii) Sheep	1.02%	1.40%	0.65%	1.02%
	iv) Goat	27.54%	22.70%	20.50%	23.81%
	v) Pig	56.04%	61.88%	66.35%	61.12%
4. (a)	No. of households covered for Milk production (Cow, Buffalo and Goat)	851	595	700	2146
4. (b)	No. of animals observed for milk production				
	i) Cow in Milk.	760	641	654	2055
	ii) Buffalo in Milk.	50	62	91	203
	iii) Goat in Milk.				
5. (a)	No. of Households observed for egg production.	719	779	719	2217
5. (b)	No. of Layers observed.				
	i) Desi & Improved	3364	3126	2666	9156
	.				

Table 3.12 – Contd.

Sl. No.	Items	Summer	Monsoon	Winter	Annual (Overall)
6. (a)	Estimated No. of Animals Slaughtered.'000' Nos.				
	i) Cattle	81.68	81.12	82.58	245.37
	ii) Buffalo	1.18	1.75	1.42	4.35
	iii) Sheep & Goat	38.25	41.33	37.46	117.05
	iv) Pig	79.42	71.41	81.96	232.79
	v) Poultry	1222.90	1258.79	1276.19	3757.87

Table 3.13: District-wise Number of Villages selected for complete enumeration during the year 2009-10.

Sl. No.	Name of District	Summer	Monsoon	Winter	Overall
1.	East Khasi Hills	42	46	43	131
2.	Ri – Bhoi	34	37	35	106
3.	West Khasi Hills	35	33	34	102
4.	Jaintia Hills	33	33	32	98
5.	East Garo Hills	34	36	29	99
6.	West Garo Hills	68	74	69	211
7.	South Garo Hills	28	21	21	70
	State (Overall)	274	280	263	817

Chapter – 4

District-wise & Season-wise Estimates.

Milk Production.

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	4109	4194	4152	4152
2.	Ri – Bhoi	7361	7429	7293	7361
3.	West Khasi Hills	15880	16272	16076	16076
4.	Jaintia Hills	15288	15444	15132	15288
5.	East Garo Hills	23444	24105	23774	23774
6.	West Garo Hills	33222	33677	32767	33222
7.	South Garo Hills	5009	5152	5081	5081
	State (Overall)	104313	106273	104275	104954

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	4892	4934	4907
2.	Ri – Bhoi	11376	11448	10745	11190
3.	West Khasi Hills	22982	24857	22138	23326
4.	Jaintia Hills	26488	27679	25296	26488
5.	East Garo Hills	26198	25078	22191	24489
6.	West Garo Hills	34727	33572	33781	34027
7.	South Garo Hills	4887	4638	4496	4673
	State (Overall)	131555	132164	123581	129100

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	9006	9086	9086	9059
2.	Ri – Bhoi	18737	18877	18038	18551
3.	West Khasi Hills	38862	41129	38214	39402
4.	Jaintia Hills	41776	43123	40428	41776
5.	East Garo Hills	49642	49183	45965	48263
6.	West Garo Hills	67949	67249	66548	67249
7.	South Garo Hills	9896	9790	9577	9754
	State (Overall)	235868	238437	227856	234054

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	6026	6075	5978	6026
2.	Ri – Bhoi	6017	6104	6060	6060
3.	West Khasi Hills	325	331	328	328
4.	Jaintia Hills	805	812	799	805
5.	East Garo Hills	36	37	37	37
6.	West Garo Hills	1206	1214	1199	1206
7.	South Garo Hills	39	40	40	40
	State (Overall)	14454	14613	14441	14502

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	834	918	948	900
2.	Ri – Bhoi	1246	1267	1257	1257
3.	West Khasi Hills	61	62	62	62
4.	Jaintia Hills	108	108	106	108
5.	East Garo Hills	10	9	8	9
6.	West Garo Hills	921	927	915	921
7.	South Garo Hills	20	20	20	20
	State (Overall)	3200	3311	3316	3277

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

Sl. No.	Name of Districts	Milch Cows			
		Summer	Monsoon	Winter	Overall
1.	East Khasi Hills	6860	6993	6926	6926
2.	Ri – Bhoi	7263	7371	7317	7317
3.	West Khasi Hills	386	393	390	390
4.	Jaintia Hills	913	920	905	913
5.	East Garo Hills	46	46	45	46
6.	West Garo Hills	2127	2121	2114	2127
7.	South Garo Hills	59	60	60	60
	State (Overall)	17654	17924	17757	17779

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

Sl. No.	Name of Districts	In Milk			
		Summer	Monsoon	Winter	Overall
1.	East Khasi Hills	-	-	-	-
2.	Ri – Bhoi	694	704	699	699
3.	West Khasi Hills	395	398	391	395
4.	Jaintia Hills	293	295	290	293
5.	East Garo Hills	293	298	295	295
6.	West Garo Hills	1273	1286	1260	1273
7.	South Garo Hills	19	19	19	19
	State (Overall)	2967	3000	2954	2974

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

Sl. No.	Name of Districts	Dry			
		Summer	Monsoon	Winter	Overall
1.	East Khasi Hills	-	-	-	-
2.	Ri – Bhoi	624	633	629	629
3.	West Khasi Hills	422	429	431	427
4.	Jaintia Hills	209	215	216	213
5.	East Garo Hills	187	189	188	188
6.	West Garo Hills	1289	1323	1325	1312
7.	South Garo Hills	30	3	3	3
	State (Overall)	2734	2792	2792	2772

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

Sl. No.	Name of Districts	Milch			
		Summer	Monsoon	Winter	Overall
1.	East Khasi Hills	-	-	-	-
2.	Ri – Bhoi	1318	1337	1328	1328
3.	West Khasi Hills	817	827	822	822
4.	Jaintia Hills	502	510	506	506
5.	East Garo Hills	480	487	483	483
6.	West Garo Hills	2562	2609	2585	2585
7.	South Garo Hills	22	22	22	22
	State (Overall)	5701	5792	5746	5746

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	0.835	0.850	0.825	0.837
2.	Ri – Bhoi	1.090	1.130	1.030	1.084
3.	West Khasi Hills	0.820	0.840	0.790	0.817
4.	Jaintia Hills	0.720	0.770	0.700	0.731
5.	East Garo Hills	0.650	0.690	0.630	0.657
6.	West Garo Hills	0.720	0.750	0.710	0.727
7.	South Garo Hills	0.630	0.670	0.620	0.640
	State (Overall)	0.746	0.780	0.725	0.751

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	0.381	0.392	0.377	0.384
2.	Ri – Bhoi	0.428	0.445	0.416	0.430
3.	West Khasi Hills	0.335	0.332	0.332	0.333
4.	Jaintia Hills	0.263	0.276	0.262	0.267
5.	East Garo Hills	0.307	0.338	0.326	0.324
6.	West Garo Hills	0.352	0.376	0.350	0.359
7.	South Garo Hills	0.319	0.353	0.329	0.334
	State (Overall)	0.330	0.348	0.332	0.337

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	9.100	9.280	8.780	9.058
2.	Ri – Bhoi	9.070	9.290	8.790	9.053
3.	West Khasi Hills	8.230	8.600	8.180	8.340
4.	Jaintia Hills	8.900	9.100	8.820	8.946
5.	East Garo Hills	8.750	8.850	8.100	8.491
6.	West Garo Hills	8.420	8.500	7.880	8.273
7.	South Garo Hills	7.390	7.820	7.300	7.444
	State (Overall)	8.995	9.189	8.692	8.962

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	7.994	8.062	7.578	7.881
2.	Ri – Bhoi	7.514	7.693	7.280	7.498
3.	West Khasi Hills	6.929	7.243	6.880	7.014
4.	Jaintia Hills	7.847	8.032	7.787	7.888
5.	East Garo Hills	6.848	7.118	6.660	6.830
6.	West Garo Hills	4.778	4.820	4.469	4.691
7.	South Garo Hills	4.885	5.213	4.867	4.962
	State (Overall)	7.364	7.491	7.069	7.310

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	0	0	0	0
2.	Ri – Bhoi	1.890	1.920	1.790	1.867
3.	West Khasi Hills	1.890	1.950	1.850	1.896
4.	Jaintia Hills	1.830	1.850	1.800	1.825
5.	East Garo Hills	1.720	1.770	1.680	1.726
6.	West Garo Hills	1.850	1.910	1.870	1.877
7.	South Garo Hills	1.590	1.620	1.530	1.580
	State (Overall)	1.848	1.896	1.820	1.855

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	0	0	0	0
2.	Ri – Bhoi	0.995	1.011	0.942	0.983
3.	West Khasi Hills	0.914	0.938	0.880	0.911
4.	Jaintia Hills	1.068	1.070	1.032	1.057
5.	East Garo Hills	1.050	1.083	1.026	1.054
6.	West Garo Hills	0.919	0.941	0.911	0.924
7.	South Garo Hills	1.373	1.399	1.321	1.365
	State (Overall)	0.962	0.982	0.936	0.960

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

Sl. No.	Name of Districts	Summer	Monsoon	Winter	Overall
1.	East Khasi Hills	419	438	411	1268
2.	Ri – Bhoi	979	1033	901	2913
3.	West Khasi Hills	1589	1681	1524	4794
4.	Jaintia Hills	1343	1463	1271	4077
5.	East Garo Hills	1859	2046	1797	5702
6.	West Garo Hills	2918	3107	2792	8817
7.	South Garo Hills	385	424	378	1187
	State (Overall)	9492	10192	9074	28758

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

Sl. No.	Name of Districts	Summer	Monsoon	Winter	Overall
1.	East Khasi Hills	6690	6934	6298	19922
2.	Ri – Bhoi	6658	6975	6392	20025
3.	West Khasi Hills	326	350	322	998
4.	Jaintia Hills	874	909	846	2629
5.	East Garo Hills	39	40	36	115
6.	West Garo Hills	1239	1269	1134	3642
7.	South Garo Hills	35	39	35	109
	State (Overall)	15861	16516	15063	47440

Table 4.9: Milk Production- Buffaloes (Tonnes).

Sl. No.	Name of Districts	Summer	Monsoon	Winter	Overall
1.	East Khasi Hills	0	0	0	0
2.	Ri – Bhoi1	160	166	150	476
3.	West Khasi Hills	91	96	87	274
4.	Jaintia Hills	65	67	63	195
	East Garo Hills	62	65	59	186
6.	West Garo Hills	287	302	283	872
7.	South Garo Hills	4	4	3	11
	State (Overall)	669	700	645	2014

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

Sl. No.	Name of Districts	Cows Milk			Buffalo	Total Milk Produ- ction 2008-2009	Previous Years Produ- ction 2008-2009	% Increase or Decrease over 2008-09
		Indigenous	Crossbred	Total				
1.	East Khasi Hills	1.268	19.922	21.190	-	21.19	20.99	(+) 0.95%
2.	Ri – Bhoi	2.913	20.025	22.938	0.476	23.414	23.26	(+) 0.64%
3.	West Khasi Hills	4.794	0.998	5.792	0.274	6.068	5.98	(+) 1.51%
4.	Jaintia Hills	4.077	2.629	6.706	0.195	6.901	6.90	(+) 0.01%
5.	East Garo Hills	5.702	0.115	5.817	0.186	6.003	5.91	(+) 1.52%
6.	West Garo Hills	8.817	3.642	12.459	0.872	13.331	13.18	(+) 1.14%
7.	South Garo Hills	1.187	0.109	1.296	0.011	1.307	1.28	(+) 2.34%
	State (Overall)	28.758	47.440	76.198	2.014	78.212	77.50	(+) 0.92%

**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		

**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		

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	78.21	(+) 0.92%	

Chapter – 5

District-wise & Season-wise Estimates.

Egg Production

**Table 5.1 (a): District-wise and Season-Wise Estimated No. of Poultry (Fowls), 2009-10
Layers – ‘00 Numbers.**

Particulars	East Khasi Hills	Ri Bhoi	West Khasi Hills	Jaintia Hills	East Garo Hills	West Garo Hills	South Garo Hills	State
<u>Desi</u>								
Summer	1050	813	1161	1035	1071	2378	560	8068
Monsoon	1071	821	1180	1045	1090	2397	570	8174
Winter	1061	805	1162	1025	1080	2417	566	8115
Overall	1061	813	1168	1035	1080	2397	565	8119
<u>Improved</u>								
Summer	200	145	28	193	34	50	2	652
Monsoon	207	148	28	196	34	50	2	665
Winter	205	146	28	194	34	49	2	658
Overall	204	146	28	194	34	50	2	658
<u>Total</u>								
Summer	1250	958	1189	1228	1105	2428	562	8720
Monsoon	1278	968	1208	1241	1124	2447	572	8838
Winter	1266	951	1190	1219	1114	2466	567	8773
Overall	1265	959	1196	1229	1114	2447	567	8777

**Table 5.1(b): District-wise and Season-wise Estimated No. of Poultry (Ducks) 2009-10.
Layers – ‘00 Numbers.**

Particulars	East Khasi Hills	Ri Bhoi	West Khasi Hills	Jaintia Hills	East Garo Hills	West Garo Hills	South Garo Hills	State
Desi								
Summer	20	10	10	19	7	169	16	251
Monsoon	21	10	10	19	7	170	16	253
Winter	20	10	10	19	7	167	16	249
Overall	20	10	10	19	7	169	16	251
Improved								
Summer	1	6	-	9	-	1	-	17
Monsoon	1	6	-	9	-	1	-	17
Winter	1	6	-	8	-	1	-	16
Overall	1	6	-	9	-	1	-	17
Total								
Summer	21	16	10	28	7	170	16	268
Monsoon	22	16	10	28	7	171	16	270
Winter	21	16	10	27	7	168	16	265
Overall	21	16	10	28	7	170	16	268

Table 5.2 (a): District-wise and Season-Wise Estimated Yield per Layer (Fowls) 2009-10

Particulars	East Khasi Hills	Ri Bhoi	West Khasi Hills	Jaintia Hills	East Garo Hills	West Garo Hills	South Garo Hills	State
Desi								
Summer	33	34	34	35	33	34	32	34
Monsoon	34	36	34	36	34	36	34	35
Winter	33	34	32	33	33	34	33	33
Overall	100	104	100	104	100	104	99	102
Improved								
Summer	74	74	66	71	63	67	61	72
Monsoon	75	76	68	73	64	68	61	73
Winter	73	74	67	70	62	66	60	71
Overall	222	224	201	214	189	201	182	216
Total								
Summer	40	40	35	41	34	35	32	37
Monsoon	41	42	35	42	35	37	34	38
Winter	39	40	33	39	34	35	33	36
Overall	120	122	102	121	103	106	99	111

Table 5.2(b): District-wise and Season-wise Estimated Yield per Layer (Ducks) 2009-10.

Particulars	East Khasi Hills	Ri Bhoi	West Khasi Hills	Jaintia Hills	East Garo Hills	West Garo Hills	South Garo Hills	State
Desi								
Summer	34	35	34	35	33	34	32	34
Monsoon	34	34	33	34	34	36	34	35
Winter	34	34	32	34	33	33	32	33
Overall	102	103	99	103	100	103	98	102
Improved								
Summer	74	74	-	71	-	67	-	72
Monsoon	75	76	-	73	-	68	-	74
Winter	73	74	-	70	-	66	-	71
Overall	221	224	-	214	-	201	-	217
Total								
Summer	36	49	34	46	33	34	32	36
Monsoon	36	50	33	46	34	36	34	38
Winter	36	49	32	45	33	33	32	35
Overall	108	148	99	137	100	103	98	109

**Table 5.3(a): District-wise and Season-Wise Estimated Egg Production (Fowls) 2009-10.
(In Lakhs).**

Particulars	East Khasi Hills	Ri Bhoi	West Khasi Hills	Jaintia Hills	East Garo Hills	West Garo Hills	South Garo Hills	State
Desi								
Summer	34.66	27.64	39.49	36.23	35.33	80.84	17.93	272.12
Monsoon	36.42	29.55	40.11	37.61	37.05	86.30	19.39	286.43
Winter	35.00	27.38	37.17	33.83	35.65	82.18	18.66	269.87
Overall	106.08	84.57	116.77	107.67	108.03	249.32	55.98	828.42
Improved								
Summer	14.84	10.69	1.83	13.68	2.13	3.34	0.11	46.62
Monsoon	15.51	11.20	1.92	14.33	2.18	3.46	0.12	48.68
Winter	14.94	10.81	1.87	13.61	2.10	3.46	0.11	46.70
Overall	45.29	32.70	5.62	41.62	6.41	10.02	0.34	142.00
Total								
Summer	49.50	38.33	41.32	49.91	37.46	84.18	18.04	318.74
Monsoon	51.93	40.75	42.03	51.94	39.23	89.72	19.51	335.11
Winter	49.94	38.19	39.04	47.44	37.75	85.44	18.77	316.57
Overall	151.37	117.27	122.39	149.29	114.44	259.34	56.32	970.42

**Table 5.3(b): District-wise and Season-wise Estimated Egg production (Ducks) 2009-10.
(In Lakhs).**

Particulars	East Khasi Hills	Ri Bhoi	West Khasi Hills	Jaintia Hills	East Garo Hills	West Garo Hills	South Garo Hills	State
<u>Desi</u>								
Summer	0.69	0.34	0.35	0.68	0.22	5.74	0.51	8.53
Monsoon	0.70	0.33	0.34	0.65	0.24	6.13	0.55	8.94
Winter	0.70	0.32	0.32	0.64	0.22	5.52	0.51	8.23
Overall	2.09	0.99	1.01	1.97	0.68	17.39	1.57	25.70
<u>Improved</u>								
Summer	0.09	0.42	-	0.60	-	0.08	-	1.19
Monsoon	0.09	0.43	-	0.63	-	0.08	-	1.23
Winter	0.08	0.41	-	0.59	-	0.07	-	1.15
Overall	0.26	1.26	-	1.82	-	0.23	-	3.57
<u>Total</u>								
Summer	0.78	0.76	0.35	1.28	0.22	5.82	0.51	9.72
Monsoon	0.79	0.76	0.34	1.28	0.24	6.21	0.55	10.17
Winter	0.78	0.73	0.32	1.23	0.22	5.59	0.51	9.39
Overall	2.35	2.25	1.01	3.79	0.68	17.62	1.57	29.27

Table 5.4 (a) : Estimated Total Egg production. (Lakhs Numbers) 2009-10.

Sl No.	Name of Districts	Summer		Monsoon		Winter	
		Fowls	Duck	Fowls	Duck	Fowls	Duck
1.	East Khasi Hills	49.50	0.78	51.93	0.79	49.94	0.78
2.	Ri – Bhoi	38.33	0.76	40.75	0.76	38.19	0.73
3.	West Khasi Hills	41.32	0.35	42.03	0.34	39.04	0.32
4.	Jaintia Hills	49.91	1.28	51.94	1.28	47.44	1.23
5.	East Garo Hills	37.46	0.22	39.23	0.24	37.75	0.22
6.	West Garo Hills	84.18	5.82	89.72	6.21	85.44	5.59
7.	South Garo Hills	18.04	0.51	19.51	0.55	18.77	0.51
	State (Overall)	318.74	9.72	335.11	10.17	316.57	9.39

Table 5.4 (b) : Estimated Total Egg production. (Lakhs Numbers) 2009-10.

Sl No.	Name of Districts	Total egg		Annual Production Current Year 2009-10	Annual Production Previous Year 2008-09	Percentage Increase or Decrease over the Previous year
		Fowls	Duck			
1.	East Khasi Hills	151.37	2.35	153.72	157.18	(-) 2.20%
2.	Ri – Bhoi	117.27	2.25	119.52	120.00	(-) 0.40%
3.	West Khasi Hills	122.39	1.01	123.40	122.00	(+) 1.15%
4.	Jaintia Hills	149.29	3.79	153.08	153.71	(-) 0.41%
5.	East Garo Hills	114.44	0.68	115.12	114.14	(+) 0.86%
6.	West Garo Hills	259.34	17.62	276.96	272.71	(+) 1.56%
7.	South Garo Hills	56.32	1.57	57.89	57.79	(+) 0.17%
	State (Overall)	970.42	29.27	999.69	997.73	(+) 0.20%

**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

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%

Chapter – 6

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

Table 6.1 : Utilisation of Milk.

Season	Sold as fluid Milk	Converted into Milk products	Consumed as Fluid Milk in the Household	Total
Summer	94.69	1.12	4.19	100%
Monsoon	95.30	2.50	2.20	100%
Winter	93.99	2.02	3.99	100%
Overall	94.79	1.86	3.35	100%

Table 6.2: Percentage Utilization of Produced Eggs.

Season	Utilisation for Home consumption	Set for Hatching	Egg Sold	Damaged or Spoiled	Total
Summer	36.98	14.47	46.78	1.77	100
Monsoon	35.08	14.92	48.10	1.90	100
Winter	39.60	17.82	40.40	2.18	100
Overall	37.05	15.59	45.42	1.94	100

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

Sl No.	Category of Animals	SUMMER			MONSOON			WINTER		
		Only Grazed (%)	Only Stallfed (%)	Both	Only Grazed (%)	Only Stallfed (%)	Both	Only Grazed (%)	Only Stallfed (%)	Both
1	2	3	4	5	6	7	8	9	10	11
1. 1.1	CATTLE									
	INDIGENOUS									
	(a) In Milk	78.24	10.32	11.42	75.58	13.17	11.24	70.19	17.46	12.33
	(b) Dry & not Calved even once	83.36	10.66	5.97	84.02	8.78	7.19	77.64	9.58	12.76
	(c) Adult Male	82.61	-	17.38	89.70	-	10.29	81.42	-	18.57
	(d) Young Stock upto 3 Years old.	83.01	73.39	9.79	88.16	5.48	6.35	77.14	9.54	13.31
	Overall :-	82.51	8.10	9.38	85.10	6.95	7.93	76.95	9.30	13.73
1.2	CROSS BRED									
	(a) In Milk	10.93	74.18	14.88	13.04	76.08	10.86	9.94	74.59	15.96
	(b) Dry & not Calved even once	29.15	45.42	25.42	23.80	20.23	55.95	55.58	17.02	27.39
	(c) Adult Male	46.22	19.81	33.96	32.07	27.35	40.56	29.46	40.17	30.35
	(d) Young Stock upto 3 Years old.	26.43	54.40	19.15	23.61	49.30	27.08	39.91	31.83	28.25
	Overall :-	22.98	20.60	20.60	20.27	51.21	28.51	29.35	48.15	22.49
2	BUFFALOES									
	(a) In Milk	67.76	12.80	19.42	77.70	6.08	16.21	69.48	11.76	18.75
	(b) Dry & not Calved even once	69.49	11.86	18.64	63.05	17.73	19.21	66.25	13.99	19.75
	(c) Adult Male	70.46	4.69	24.83	72.68	6.01	21.29	64.45	15.66	19.87
	(d) Young Stock upto 3 Years old.	65.73	11.18	23.07	50.00	21.62	28.37	58.68	18.77	22.53
	Overall :-	68.35	10.54	21.09	68.25	11.47	20.27	65.10	14.76	20.13

ANNEXURE - X

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

Name of State : **Meghalaya**

Year : **2009-2010**

Sl. No	Category of Animals	Average Feed Consumption (in Kg.per animals/ per day)											
		Green Fodder				Dry Fodder				Concentrate			
		Summer	Rainy	Winter	Annual	Summer	Rainy	Winter	Annual	Summer	Rainy	Winter	Annual
1	Cattle Indigenous/Non Discript) a) In Milk	2.36	2.68	1.10	6.14	1.35	1.55	0.56	3.46	1.05	1.10	1.25	3.40
	b) Dry & not Calveed even once	2.00	2.25	0.90	5.15	0.00	0.00	0.45	0.45	-	-	-	-
	c) Adult Male	2.10	2.40	0.95	5.45	0.80	0.00	1.00	1.80	-	-	-	-
	d) Young Stock upto 3 years	0.95	1.10	0.38	2.43	0.00	0.00	0.30	0.30	-	-	-	-
	e) Overall (%)	38.65 %	43.97 %	17.38 %	19.17	35.78 %	25.79 %	38.43 %	6.01	30.88 %	32.35 %	36.77 %	3.40
2	Cattle (Exotic/ Cross- bred) a) In Milk	17.32	18.00	3.60	38.92	7.10	8.80	11.60	27.50	3.75	3.90	3.93	11.58
	b) Dry & not Calveed even once	16.00	16.20	2.10	34.30	5.00	4.10	5.50	14.60	1.00	1.50	1.40	3.90
	c) Adult Male	17.00	17.10	2.25	36.35	6.00	5.20	7.00	18.20	8.00	0.00	0.00	8.00
	d) Young Stock upto 2 & 1/2 years	3.50	4.80	1.90	10.20	1.15	0.00	1.85	3.00	0.00	0.00	0.00	-
	e) Overall (%)	44.94 %	46.84 %	8.22 %	119.77	30.41 %	28.59 %	41.00 %	63.30	54.30 %	23.00 %	22.70 %	23.48 %
3	Buffalo a) In Milk	3.80	4.90	1.10	9.80	0.80	1.00	1.48	3.28	0.55	0.60	0.65	1.80
	b) Dry & not Calved even once	3.10	3.45	0.90	7.45	0.00	0.00	0.00	-	-	-	-	-
	c) Adult Male	3.60	4.10	1.00	8.70	0.00	0.00	0.00	-	-	-	-	-
	d) Young Stock upto 3 years	1.10	1.25	0.40	2.75	0.00	0.00	0.00	-	-	-	-	-
	e) Overall (%)	40.42 %	47.74 %	11.84 %	28.70	24.39 %	30.49 %	45.12 %	3.28	30.56 %	33.33 %	36.11 %	1.80

Source : LPS- 1.2. Block-II

Table 6.5: Season wise Utilisation of Dung collected From Bovine at Sample Household 2008-09.

Sl No.	Particulars	Unit	Summer	Monsoon	Winter	Over all
1.	Total No. of Sample animals observed for Dung Utilisation.	No	4220	5016	4442	13678
2.	Average quantity of Dung collected per animal per day.	Kg	3.40	3.50	3.35	10.25
3.	Dung utilised for manure.	Percentage	96.29	97.28	95.88	96.49
4.	Dung utilised for Dung cake.	Percentage	2.38	2.01	2.07	2.15
5.	Dung utilised for other purpose.	Percentage	1.33	0.71	2.05	1.36

Table 6.6: Per Capita availability of Milk and Egg.

Items	Unit	Per Capita Availability
Milk	Grams / day	75
Eggs	Nos. / year	35

Meat Production – 2009-10

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

Sl No.	Particulars	East Khasi Hills	Ri-Bhoi	West Khasi Hills	Jaintia Hills	East Garo Hills	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
	<u>Category of Animals</u> <u>Slaughter.</u> <u>SUMMER</u>										
(a)	Cattle.	43204	6600	9671	5304	4192	9997	2710	81678	50947	30731
(b)	Buffaloes.	123	103	-	455	55	448	-	1184	1184	-
(c)	Pig	40512	5994	8943	7799	5993	6898	3278	79417	71325	8092
(d)	Sheep & Goat.	19608	2698	965	5552	3277	4578	1578	38253	37152	1101
(e)	Poultry.	758963	70916	94572	11136	65287	105250	16778	1222902	1120921	101981
	<u>MONSOON</u>										
(a)	Cattle.	44907	5303	9244	5863	4061	9284	2453	81115	53412	27703
(b)	Buffaloes.	149	97	-	794	72	636	-	1748	1748	-
(c)	Pig.	32487	5362	8462	7049	4862	10276	2913	71411	64171	7240
(d)	Sheep & Goat.	19786	2724	1151	5528	3178	7082	1885	41334	35926	5408
(e)	Poultry.	740072	94272	104979	140612	52629	109186	17036	1258786	1154333	104453
	<u>WINTER</u>										
(a)	Cattle.	45156	5277	9585	5771	4188	9572	3032	82581	51112	31469
(b)	Buffaloes.	124	77	-	651	52	516	-	1420	1420	-
(c)	Pig.	39614	6237	9780	8270	4980	9662	3420	81963	74135	7828
(d)	Sheep & Goat.	19257	1992	1104	4667	2787	6095	1559	37461	30522	6939
(e)	Poultry.	758330	75485	99532	129338	67344	129833	16323	1276185	1172025	104160

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	Jaintia Hills	East Garo Hills	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	133.267	17.180	28.500	16.938	12.441	28.853	8.195	245.374	155.471	89.903
2.	Buffaloes	0.396	0.277	-	1.900	0.179	1.600	-	4.352	4.352	-
3.	Pig	112.613	17.593	27.185	23.118	15.835	26.836	9.611	232.791	209.631	23.160
4.	Sheep & Goat	58.651	7.414	3.220	15.747	9.242	17.755	5.022	117.051	103.603	13.448
5.	Poultry	2257.36	240.67	299.08	381.09	185.26	344.27	50.137	3757.87	3447.276	310.594

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

Sl No.	Particulars	East Khasi Hills	Ri-Bhoi	West Khasi Hills	Jaintia Hills	East Garo Hills	West Garo Hills	South Garo Hills	State
1	2	3	4	5	6	7	8	9	10
<u>Category of Animals Slaughter.</u>									
(a)	SUMMER								
(a)	Cattle.	89.88	89.1	89.57	90.63	89.54	89.27	88.24	89.68
(b)	Buffaloes.	120.0	119.0	-	118.0	120.0	117.0	-	118.01
(c)	Pig.	43.42	42.28	42.06	41.62	41.57	41.84	40.16	42.59
(d)	Sheep & Goat.	8.88	8.86	8.98	8.9	9.0	8.91	9.2	8.91
(e)	Poultry.	1.10	1.12	0.95	0.94	0.92	0.94	0.95	1.05
<u>MONSOON</u>									
(a)	Cattle.	89.66	86.78	86.29	88.02	87.6	84.28	88.40	88.21
(b)	Buffaloes.	119.05	117.00	-	118.46	118.21	119.	-	118.61
(c)	Pig.	42.42	41.82	42.38	40.94	41.64	40.48	40.38	41.81
(d)	Sheep & Goat.	9.10	9.11	9.04	9.15	9.01	8.82	9.04	9.05
(e)	Poultry.	1.15	1.12	1.09	1.06	1.11	1.10	1.03	1.13
<u>WINTER</u>									
(a)	Cattle.	89.92	86.80	85.89	86.69	87.36	89.56	87.97	88.78
(b)	Buffaloes.	119.0	117.0	-	115.02	116.0	114.87	-	115.46
(c)	Pig.	44.28	42.62	42.07	41.2	41.82	41.68	40.37	42.96
(d)	Sheep & Goat.	9.06	9.12	9.08	8.92	8.79	8.94	8.82	9.00
(e)	Poultry.	1.12	1.04	1.01	1.02	0.94	0.96	0.95	1.07

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

Sl No.	Name of Districts	Cattle	Buffaloes	Pigs	Sheep & Goat	Poultry
1	2	3	4	5	6	7
1.	East Khasi Hills	89.82	121.21	43.43	9.00	1.12
2.	Ri – Bhoi	87.66	115.52	42.23	9.04	1.09
3.	West Khasi Hills	87.26	-	42.16	9.01	1.02
4.	Jaintia Hills	88.36	117.37	41.31	9.02	1.01
5.	East Garo Hills	88.18	117.32	41.62	8.98	0.98
6.	West Garo Hills	87.76	116.88	41.29	8.84	1.00
7.	South Garo Hills	88.22	-	40.27	9.16	1.00
	State (Overall)	88.89	117.47	42.48	8.99	1.08

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

Sl No.	Particulars	East Khasi Hills	Ri-Bhoi	West Khasi Hills	Jaintia Hills	East Garo Hills	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
	SUMMER										
1.	Cattle.	3883	588	866	481	375	893	239	7325	4569	2756
2.	Buffaloes	15	12	-	54	7	52	-	140	140	-
3.	Pigs	1759	253	376	325	249	289	131	3382	3037	345
4.	Sheep & Goat.	174	24	9	49	29	41	15	341	331	10
5.	Poultry.	835	79	90	105	60	99	16	1284	1177	107
	TOTAL	6666	956	1341	1014	720	1374	401	12472	9254	3218
	MONSOON										
1.	Cattle.	4026	460	798	516	356	782	217	7155	4711	2444
2.	Buffaloes	18	11	-	94	8	76	-	207	207	-
3.	Pigs	1378	224	359	289	202	416	118	2986	2683	303
4.	Sheep & Goat.	180	25	10	51	29	62	17	374	325	49
5.	Poultry.	851	106	114	149	58	120	18	1416	1298	118
	TOTAL	6453	826	1281	1099	653	1456	370	12138	9224	2914
	WINTER										
1.	Cattle.	4061	458	823	500	366	857	267	7332	4538	2794
2.	Buffaloes	15	9	-	75	6	59	-	164	164	-
3.	Pigs	1754	266	411	341	208	403	138	3521	3185	336
4.	Sheep & Goat.	174	18	10	42	25	54	14	337	275	62
5.	Poultry.	849	78	101	132	63	125	16	1364	1253	111
	TOTAL	6853	829	1345	1090	668	1498	435	12718	9415	3303
	OVERALL	19972	2611	3967	3203	2041	4328	1206	37328	27893	9435

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

Sl No	Particulars	East Khasi Hills	Ri-Bhoi	West Khasi Hills	Jaintia Hills	East Garo Hills	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	11970	1506	2487	1497	1097	2532	723	21812	13818	7994
2.	Buffaloes	48	32	-	223	21	187	-	511	511	-
3.	Pig	4891	743	1146	955	659	1108	387	9889	8905	984
4.	Sheep & Goat	528	67	29	142	83	157	46	1052	931	121
5.	Poultry	2535	263	305	386	181	344	50	4064	3728	336
	TOTAL	19972	2611	3967	3203	2041	4328	1206	37328	27893	9435

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

Sl No.	Name of Districts	Meat Production Category Wise (Tonnes)						Annual Production 2009-10 (Col 5 – 8)	Percentage Contribution to Total Meat Production
		Cattle	Buffalo	Total Beef	Pork	Mutton	Chicken		
1	2	3	4	5	6	7	8	9	10
1.	East Khasi Hills	11970	48	12018	4891	528	2535	19972	53.50%
2.	Ri – Bhoi	1506	32	1538	743	67	263	2611	7.00%
3.	West Khasi Hills	2487	-	2487	1146	29	305	3967	10.63%
4.	Jaintia Hills	1497	223	1720	955	142	386	3203	8.58%
5.	East Garo Hills	1097	21	1118	659	83	181	2041	5.47%
6.	West Garo Hills	2532	187	2719	1108	157	344	4328	11.59%
7.	South Garo Hills	723	-	723	387	46	50	1206	3.23%
	State (Overall)	21812	511	22323	9889	1052	4064	37328	100%
	Percentage Contribution of each species to total production	58.43%	1.37%	59.80%	26.49%	2.82%	10.89%	100%	

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

Sl No .	Items	Annual Meat Production (in tones)						Percentage Increase (+) or Decrease (-) over 2008-09	
		2009-10			2008-09				
		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			
1	Beef (Cattle & Buffaloes)	14329	7994	22323	15781	6111	21982	(+) 1.97%	
2	Pork	8905	984	9889	9116	1042	10158	(-) 2.65%	
3	Mutton	931	121	1052	992	48	1040	(+) 1.15%	
4	Chicken	3728	336	4064	3989	-	3989	(+) 1.88%	
5	Total	27893	9435	37328	29878	7201	37079	(+) 0.67%	

7.9: Per Capita Availability of Meat per Day / Grams 2009-10

Items	Per Capita Availability
Beef	21.40
Pork	9.48
Mutton	1.00
Chicken	3.90
Total	35.78

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

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

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

ANNEXURE – I

**Comparative Analysis showing production estimate with effect from the year 1983-84 to 2009-10
and Target for the Year 2010-11.**

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

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