



Government of Meghalaya

**REPORT ON INTEGRATED
SAMPLE SURVEY
FOR**

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

YEAR: 2023-24.



**DIRECTORATE OF ANIMAL HUSBANDRY & VETERINARY
GOVERNMENT OF MEGHALAYA.**

PREFACE

The Sample Survey for Estimation of Major Livestock Products is conducted annually across the State. The primary objective of the Survey is to estimate the production of Milk, Meat, and Eggs both at the State and District levels. The data generated from this Survey, along with other related livestock information, serves as a valuable resource for the Animal Husbandry and Dairy sector in the State and beyond.

This report presents the results of the Survey conducted during the year 2023–2024. It includes seasonal production estimates, livestock and poultry population figures, and the number of livestock imported from outside the State for meat purposes. In addition, the report provides data on livestock density per square kilometre and per 100 villages. This comprehensive data set contributes to a reliable database reflecting the progress and achievements of various departmental schemes and facilitates the assessment of the livestock sector's contribution to the State economy.

The Survey results indicate a growth rate of **3.86% in Milk, 3.98% in Eggs, and 6.37% in Meat production** over the previous year (2022–2023).

I trust that this publication will prove to be immensely useful and instrumental to all stakeholders and individuals engaged in or interested in the field of Animal Husbandry and Dairying.

Dr. (Mrs.) M. Kharchandy
Director, A.H. & Veterinary
Meghalaya, Shillong.

CONTENTS

CHAPTER – I

GENERAL

	Page
1.1 The State	- 1
1.2 Climate	- 1
1.3 Rainfall	- 1
1.4 Population and Area.....	- 1
Table 1.1 General Information.....	- 2
Table 1.2 Human Population (2011)	- 2
Table 1.3 Land Use Statistics (2007-08 to 2011-2012)	- 3
Table 1.4 Classification of Households possessing Bovine according to the Size of the Unit during the Year 2023-24	- 3
Table 1.5 Area Sq. Km. with Density of Livestock Population per Sq. Kms.	- 4
Table 1.6 Density of Livestock Population per 100 Villages	- 5

CHAPTER – II

LIVESTOCK CENSUS DATA 2007, 2012& 2019

Table 2.1Livestock Population 2007(a) Cattle & Buffaloes	- 6
Table 2.1Livestock Population 2007(b) Sheep, Goats, Horses & Ponies.....	- 6
Table 2.1 Pig Population, Livestock Population 2007 © & Rabbit.....	- 7
Table 2.2 Poultry Population 2007.....	- 7
Chart showing 2007 census.....	- 8
Table 2.3 Livestock Population 2012(a) Cattle & Buffaloes.....	- 8
Table 2.3Livestock Population 2012(b) Sheep, Goats, Horses & Ponies.....	- 9
Table 2.3 Pig Population, Livestock Population 2012 © & Rabbit.....	- 10
Chart showing Livestock Population 2012.....	- 10
Table 2.4 Poultry Population 2012	- 11
Chart showing Census 2012 District Wise.....	- 11
Table 2.5 Livestock Population 2019(a) Cattle & Buffaloes.....	- 12
Table 2.5 Livestock Population 2019(b) Sheep, Goats, Horses & Ponies.....	- 13
Table 2.5 Pig Population, Livestock Population 2019 © & Rabbit.....	- 14
Chart showing Livestock Population 2019	- 14
Table 2.5 Poultry Population 2019	- 15
Chart Livestock Population 2019	- 15
Table 2.5 showing Growth rate as compared to 2012	- 16
Census. showing Census Comparison between 2012 & 2019	- 17
Chart showing growth rate of 2019 to 2012census (in numbers.....	- 17
Chart showing growth rate of 2012 to 2007 census (in p.c.).....	- 17

CHAPTER – III

ANALYSIS OF THE INTEGRATED SAMPLE SURVEY

3.1 Integrated Sample Survey – Genesis & Usefulness.....	- 18
3.2 Coverage of the Survey.....	- 18
3.3 Period of the Survey.....	- 18
3.4 Methodology / Sampling Plant.....	- 19
3.5 Machinery in the Survey along with Staff Position	- 19&20
3.6 Schedule Prescribed in the Survey	- 20
3.7 Types of Data collected	- 16
3.8 Schedule L.P.S – 1.2; Detailed of Milk Production	
3.9 Schedule L.P.S. – 2.1; Detailed of Eggs ¹ Production	

3.10 Schedule Form III Detail of Meat Production	-	16
3.11 Summary Results	-	21-22
3.12 Annual Report on Sample Survey to estimate production on Milk products	-	23-24
3.13 District wise Number of Villages Selected for Complete Enumeration	-	24

CHAPTER –IV

DISTRICT WISE AND SEASONWISE ESTIMATES MILK PRODUCTION

		Page
Table 4.1 (a) Estimated Number of Productive Cows (Indigenous) In milk	-	25
Table 4.1 (b) & © Estimated Number of Productive Cows (Indigenous) Dry & Milch...	-	26
Table 4.2 (a) & (b) Estimated Number of Productive Cows (Crossbred) In milk & dry	-	27
Table 4.2 (c) Estimated Number of Productive Cows (Crossbred) Milch.....	-	28
Table 4.3 (a) & (b) Estimated Number of Productive (Buffaloes) In milk & Dry.....	-	29
Table 4.3 c Estimated Number of Productive (Buffaloes) Milch.....	-	30
Table 4.4 a Estimated Milk Yield per day Per Animal (Indigenous) ...in milk.....		30
Table 4.4 b Estimated Milk Yield per day Per Animal (Indigenous) ...Milch.....		31
Table 4.5 a Estimated Milk Yield per day Per Animal (Crossbred).....In milk.....		31
Table 4.5 b Estimated Milk Yield per day Per Animal (Crossbred).....Milch.....		32
Table 4.6 a Estimated Milk Yield per day Per Animal (Buffaloes)..in milk.....		32
Table 4.6 b Estimated Milk Yield per day Per Animal (Buffaloes) ..milch.....		33
Table 4.7 Milk Production (Indigenous) ...season wise.....		33
Table 4.8 Milk Production (Crossbred) ...season wise.....		34
Table 4.9 Milk Production (Buffaloes) ...season wise.....	-	34
Table 4.10 Total Milk Production in the State	-	35
Chart showing Milk Production species-wise	-	35
Table 4.11 Average Milk Yield per Animal / Day in Milk & Milch Animals from 1983-84	-	36-37
Table 4.12 Estimated number in Milk & Milch Animal from 1983-84	-	38-39
Table 4.13 Estimated Milk Production from 1983-84.....	-	40-41

CHAPTER –V

DISTRICT WISE AND SEASONWISE ESTIMATES EGG PRODUCTION

Table 5.1(a) District wise and Season wise Estimated No. of Poultry (Fowls)...	-	42
Table 5.1(b) District wise and Season wise Estimated No. of Poultry (Ducks)...	-	43
Table 5.2 (a) District wise and Season wise Estimated Yield per Layer (Fowls).....	-	44
Table 5.2 (b) District wise and Season wise Estimated Yield per Layer (Ducks).....	-	45
Table 5.3 (a) District wise and Season wise Estimated Egg Production (Fowls)...	-	46
Table 5.3 (b) District wise and Season wise Estimated Egg Production (Ducks).....	-	47
Table 5.4 (a) Estimated Total Egg Production (Season wise).....	-	48
Table 5.4 (b) Estimated Total Egg Production (Species wise).....	-	49
Chart showing Egg Production (in lakhs nos.).....	-	49
Table 5.5 Estimated Number of Layers from 1983-84	-	50-51
Table 5.6 Estimated Yield per Annum per Layer and Total Egg Production from 1983-84	-	52-53

CHAPTER – VI

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

Table 6.1 Utilisation of Milk.....	-	54
Table 6.2 Utilisation of Produced Eggs	-	54
Table 6.3 Season wise Utilisation of Dung collected from Bovine at Sample Household	-	55
Table 6.4 Per Capita availability of Milk and Eggs	-	55
Table 6.5 Season wise Percentage of Animals which were Grazed, Stallfed or Both	-	56
Table 6.5 Distribution of Animals as per feeding ⁱⁱ practices observed in the selected households	-	57

CHAPTER – VII

MEAT PRODUCTION

	Page
Table 7.1 District Wise & Season Wise Number of Animals & Poultry Slaughtered...	- 58
Table 7.2 District Wise Numbers of Animals Slaughtered (Overall).....	- 59
Table 7.3 District Wise & Season Wise Average Yield per Animal.....	- 60
Table 7.4 District Wise Average Yield per Animal (Overall)	- 61
Table 7.5 District wise and Season wise Meat production	- 62
Table 7.6 District wise Season wise Total Meat Production	- 63
Table 7.7 District wise and Category wise Total Meat Production	- 64
Table 7.8 Growth Rate, Percentage contribution of each Category to Total Meat production with Per Capita Availability.....	- 64
Chart showing Annual Meat Production.....	- 65
Table 7.9 Per Capita Availability of Meat per Day / grams 2020-21	- 65
Table 7.10 Estimated Number of Animals Slaughtered from 1983-84	- 66-67
Table 7.11 Average Meat Yield per Animal from 1983-84	- 68-69
Table 7.12 Total Meat production from 1983-84	- 70-71
Annexure – I Comparative Analysis showing production estimate with effect from the year 1983-84 to current year	- 72-73

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 as per 2011 census.

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)

Sl. No.	Particulars	Hectares.				
		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 2023-24.

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	12.5	30.36	23.21	17.86	7.14	3.57	5.36	100%
2.	Ri Bhoi	9.76	48.78	21.95	9.76	9.76	0	0	100%
3	West Khasi Hills	6.67	25.33	36	17.33	8	1.33	5.33	100%
4	South West Khasi Hills	11.11	30.56	36.11	11.11	5.56	2.78	2.78	100%
5	East Jaintia Hills	0	24.14	44.83	10.34	13.79	0	6.9	100%
6	West Jaintia Hills	7.89	28.95	23.68	18.42	7.89	5.26	7.89	100%
7	North Garo Hills	3.23	20.97	29.03	22.58	11.29	3.23	9.68	100%
8	East Garo Hills	4.76	23.81	19.05	6.35	20.63	3.17	22.22	100%
9	West Garo Hills	1.19	11.9	26.19	23.81	13.1	9.52	14.29	100%
10.	South West Garo Hills	0	4.35	23.91	28.26	19.57	10.87	13.04	100%
11	South Garo Hills	4.35	33.33	37.68	15.94	5.8	1.45	1.45	100%
	Meghalaya	5.34	24.71	28.88	17.2	11.19	4.01	8.68	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	13376	42	3	7101	1	1013	42294	84	7783	34595	42407
8	East Garo Hills	10975	32	1	7331	3	4987	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.

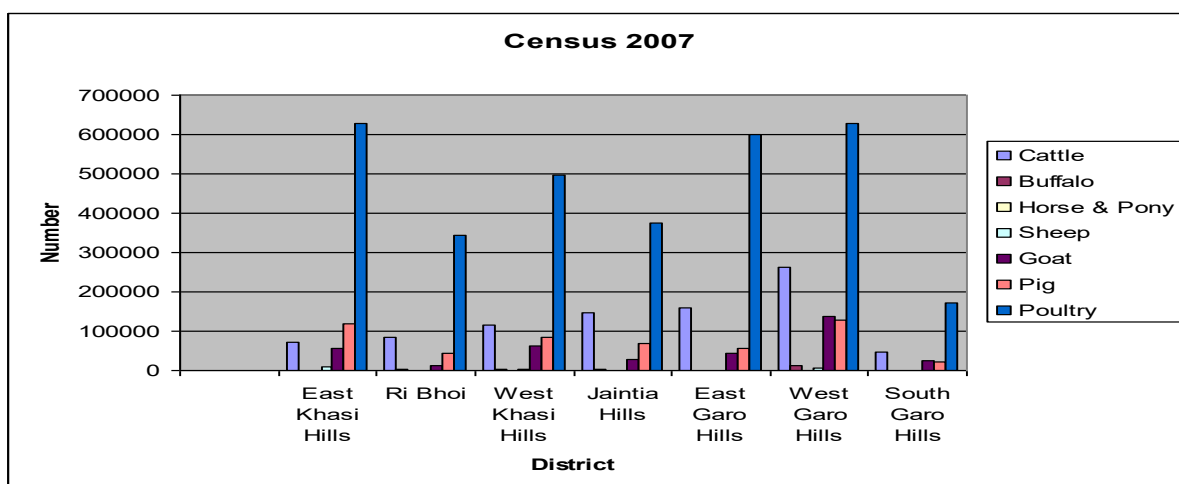
Sl. No.	Name of District	Sheep		Total Sheep	Total Goats	Total Horses & Ponies
		Crossbred	Indigenous			
1.	East Khasi Hills	3	8954	8957	56632	48
2.	Ri – Bhoi	-	116	116	13835	24
3.	West Khasi Hills	189	3327	3516	61786	1732
4.	Jaintia Hills	30	12	42	27005	33
5.	East Garo Hills	-	1260	1260	43652	0
6.	West 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			Turk ey	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	241	76379	76620	18	76638
8	East Garo Hills	196	66400	66596	8	66604
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	8	8	5787	0
8	East Garo Hills	0	16	16	30172	15
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	6215	34331	40546	122979	32202	0
8	East Garo Hills	5547	38808	44355	141162	50589	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

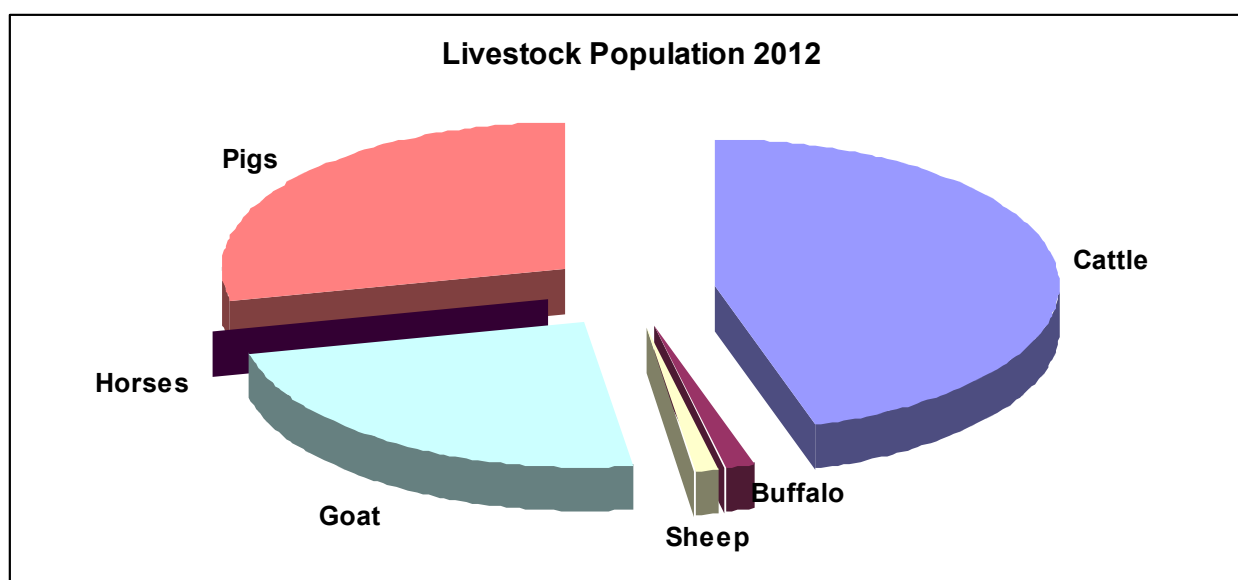
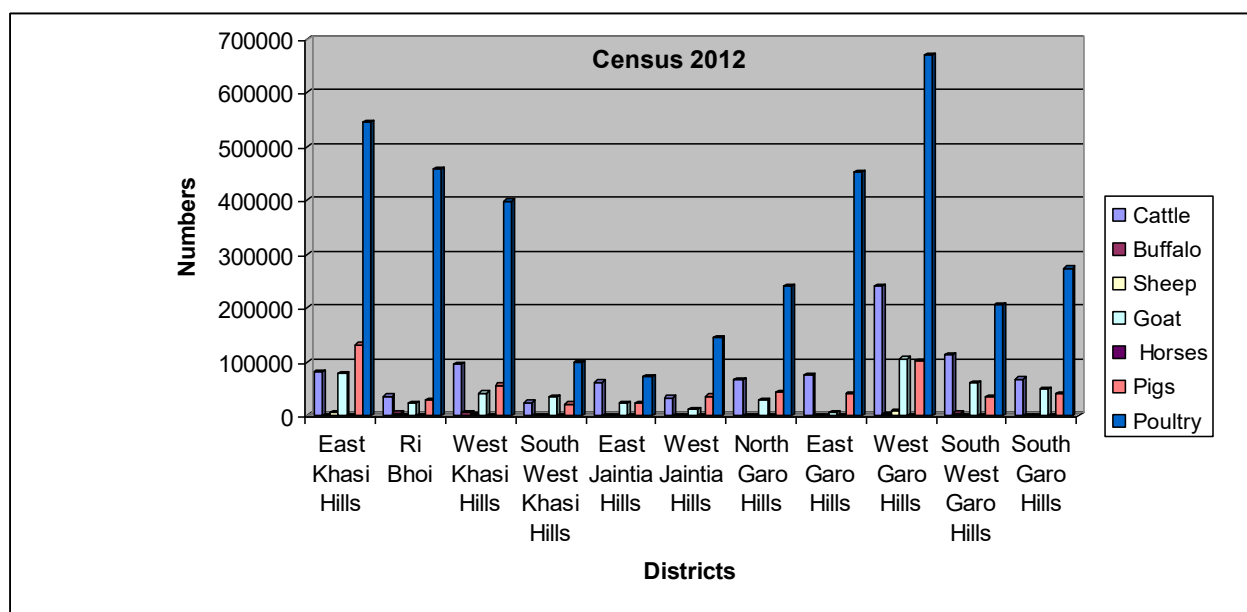


Table 2.4: Poultry Population.

SL No .	Name of Districts	Fowls			Ducks			Turkey	Other Poultry Birds like Guineas , Fowls etc.	Grand Total
		Desi	Improved	Total	Desi	Improved	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



Livestock Census Data 2019.

Table 2.5 Livestock Population (a) Cattle & Buffaloes

Sl. No.	Name of District	Cattle		Total Cattle	Buffalo	Total Bovine
		Crossbred	Indigenous			
1.	East Khasi Hills	14550	63359	77909	779	78688
2.	Ri Bhoi	16468	38094	54562	4259	58821
3	West Khasi Hills	213	78240	78453	3779	82232
4	South West Khasi Hills		32732	32732	1920	34652
5	East Jaintia Hills	965	54649	55614	1124	56738
6	West Jaintia Hills	184	57438	57622	1706	59328
7	North Garo Hills	22	72653	72675	20	72695
8	East Garo Hills	76	77196	77272	-	77272
9	West Garo Hills	913	222108	223021	937	223958
10.	South West Garo Hills	14	99010	99024	1187	100211
11	South Garo Hills		74686	74686	3	74689
	Meghalaya	33405	870165	903570	15714	919284

Table 2.5 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	41	1891	1932	58783	2
2.	Ri Bhoi	0	13	13	14629	14
3	West Khasi Hills	6	1463	1469	35356	334
4	South West Khasi Hills	0	25	25	36470	162
5	East Jaintia Hills	0	0	0	10170	0
6	West Jaintia Hills	50	0	50	14042	1
7	North Garo Hills	0	7	7	2745	0
8	East Garo Hills	0	0	0	37889	0
9	West Garo Hills	2	10687	10689	94962	15
10.	South West Garo Hills	0	1474	1474	58297	2
11	South Garo Hills	0	20	20	34160	3
	Meghalaya	99	15580	15679	397503	533

Table 2.5 (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	94375	60412	154787	294192	27498	285
2.	Ri Bhoi	50282	3397	53679	127156	3702	526
3	West Khasi Hills	53487	12529	66016	185407	21745	0
4	South West Khasi Hills	447	26650	27097	98406	43540	0
5	East Jaintia Hills	15906	7196	23102	90010	16287	4
6	West Jaintia Hills	37887	23003	60890	134311	32378	33
7	North Garo Hills	9525	49033	58558	134005	16483	41
8	East Garo Hills	7982	46672	54654	169815	7497	148
9	West Garo Hills	3108	114571	117679	447303	55956	587
10	South West Garo Hills	278	35871	36149	196133	6821	0
11	South Garo Hills	2776	50977	53753	162625	18386	100
	Meghalaya	276053	430311	706364	2039363	250293	1724

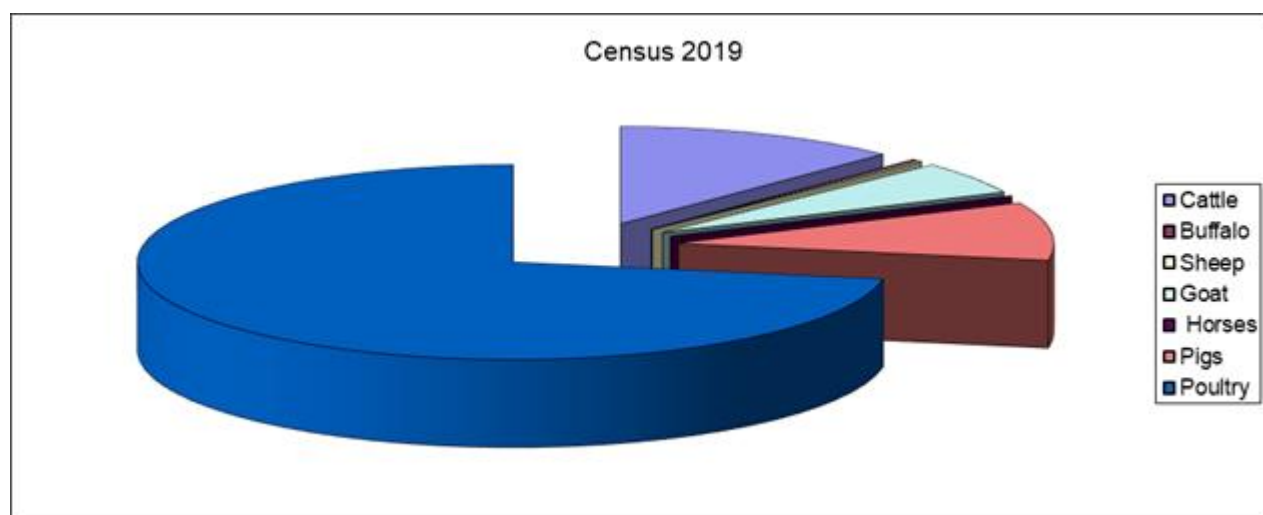


Table 2.5: Poultry Population.

SL No .	Name of Districts	Fowls			Ducks			Other Poultry Birds like Guineas, Fowls etc.	Grand Total
		Desi	Impro-ved	Total	Desi	Impro-ved	Total		
1.	East Khasi Hills	597787	35734	633521	2669	629	3298	0	636819
2.	Ri Bhoi	430070	60545	490615	1120	250	1370	0	491985
3.	West Khasi Hills	569711	53414	623125	0	40	40	0	623165
4.	South West Khasi Hills	180115	1488	181603	338	8	346	13	181962
5.	East Jaintia Hills	125554	5192	130746	541	11	552	0	131298
6.	West Jaintia Hills	241578	12085	253663	510	400	910	0	254573
7.	North Garo Hills	613537	2674	616211	771	10	781	0	616992
8.	East Garo Hills	390119	12751	402870	979	62	1041	0	403911
9.	West Garo Hills	101779 2	3816	1021608	38505	6715	45220	240	1067068
10.	South West Garo Hills	300857	18846	319703	5305	1163	6468	0	326171
11.	South Garo Hills	555032	3752	558784	393	54	447	12	559243
	Meghalaya	3197559	344157	5232449	22331	9342	60473	265	5293187

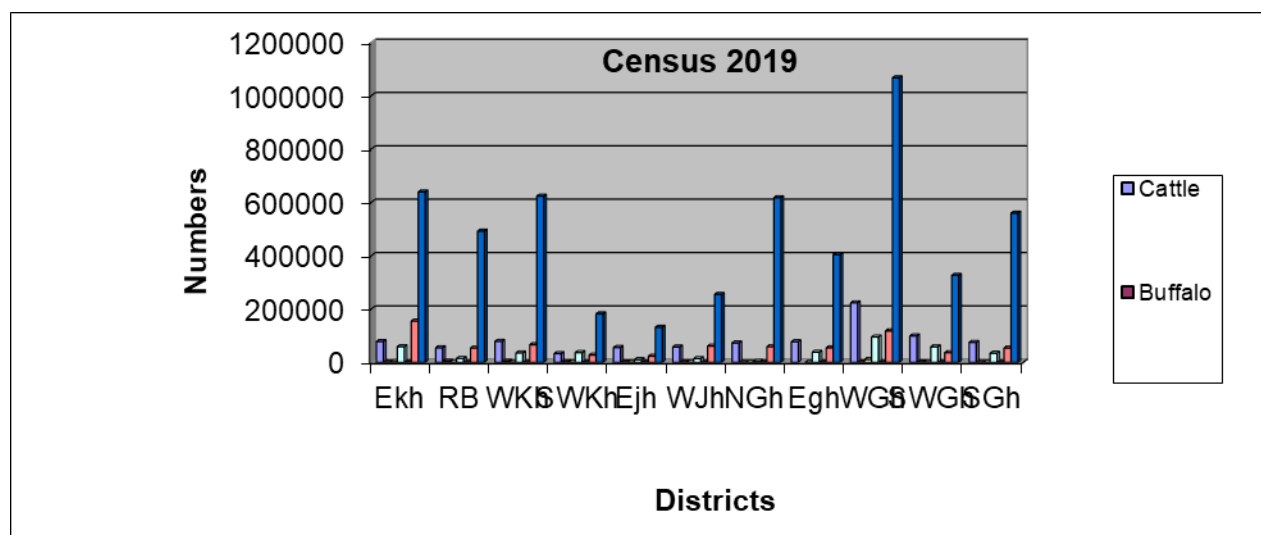
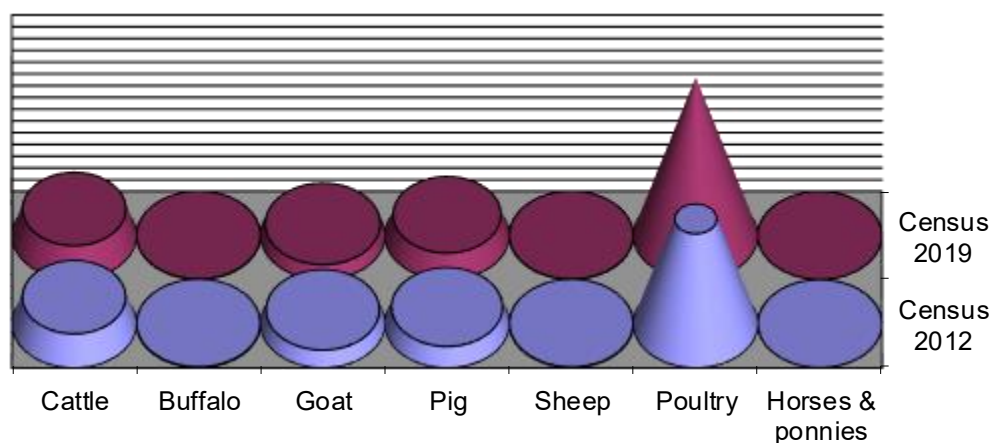


TABLE – 2.5: LIVESTOCK POPULATION: (as per 2012 & 2019 Census)

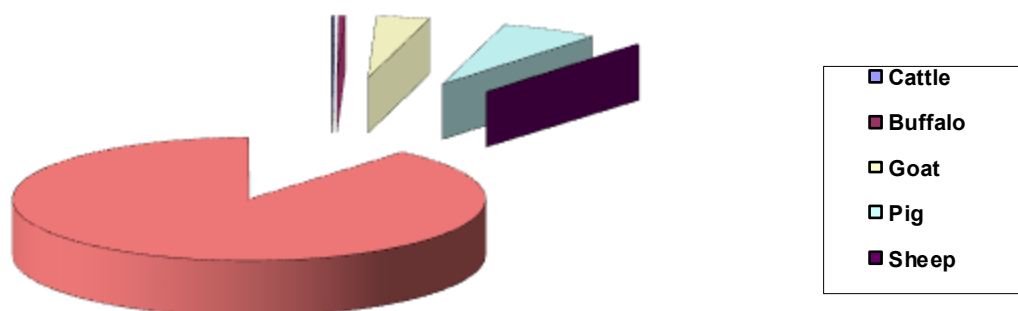
and Growth Rate as compared to 2012 Census

Species	Breed	LC 2012	LC 2019	% Change from last census
Cattle	Indigenous	879295	870165	-1.04%
	Crossbred	26458	33405	26.26%
	Buffalo	24894	15714	-36.88%
		930647	919284	-1.22%
Pig	Indigenous	431317	430311	-0.23%
	Crossbred	137894	276053	100.19%
		569211	706364	24.1%
Sheep	Indigenous	20186	15580	-22.82%
	Crossbred	805	99	-87.7%
		20991	15679	-25.31%
Goat		472325	397503	-15.84%
Horses & Ponnies		1301	273	-79.02%
Poultry (Backyard & Farms)	Desi Fowl	31,97,559	50,43,633	57.73%
	Improved Fowl	3,44,157	2,74,904	-20.12%
		35,41,716	53,18,537	50.17%
	Desi Duck	22331		
	Improved Duck	514		
		22845	60577	165.17%
	Other Poultry	2683	251	-90.64%
Total Poultry		35,67,244	53,79,365	50.799
Total Horses & Ponnies		1301	533	-59.032

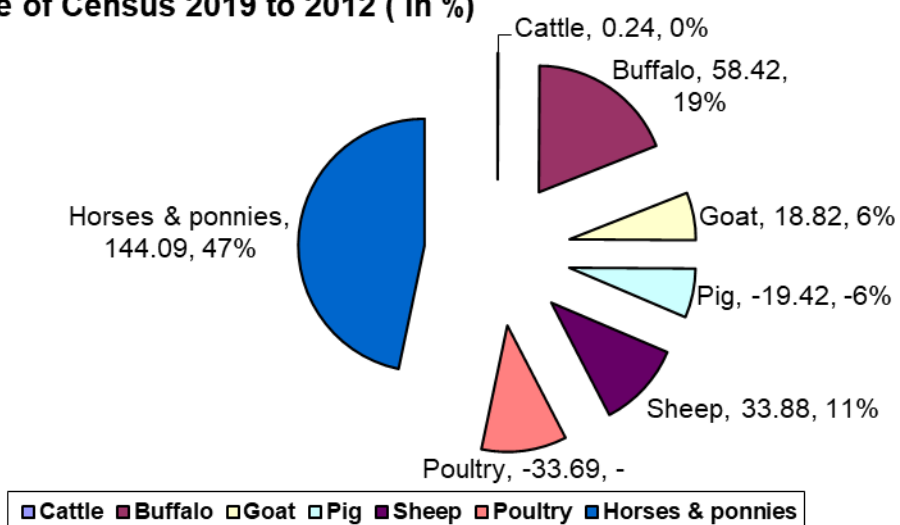
Comparison between census 2012 and census 2019



Growth Rate of Census 2019 to 2012 (Nos)



Growth Rate of Census 2019 to 2012 (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 give 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 seasons 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 2022-23	Estimate Current Year 2023-24	% of Increase or Decrease over previous Year
I	Milk				
	Indigenous Cows				
	Population				
A	In Milk	00 No.	1271	1300	2.28%
B	Milch	00 No.	2451	2420	-1.26%
	Yield per Day				
C	In Milk	Kgs.	0.79	0.8	1.27%
D	Milch	Kgs.	0.409	0.427	4.4%
E	Production	000 tonnes	36.652	37.846	3.26%
	Crossbred Cows				
	Population				
F	In Milk	00 Nos.	166	177	6.63%
G	Milch	00 Nos.	192	201	4.69%
	Yield per day				
H	In Milk	Kgs.	9.191	8.973	-2.37%
I	Milch	Kgs.	7.93	7.901	-0.37%
J	Production	000 tonnes	55.829	58.186	4.22%

Table 3.11 – contd.

Sl No.	Items	Unit	Estimates Previous Year 2022-23	Estimate Current Year 2023-24	% of Increase or Decrease over previous Year
	Buffalo Population				
K	In Milk	00 No.	14	15	7.14%
L	Milch	00 No.	26	26	0%
	Yield per Day				
M	In Milk	Kgs.	1.855	1.855	0%
N	Milch	Kgs.	1.006	1.033	2.68%
O	Production	000 tonnes	0.943	0.999	5.94%
	Goat Production				
P	In Milk	00 No.			
Q	Milch	00 No.			
	Yield per Day				
R	In Milk	Kgs.			
S	Milch	Kgs.			
T	Production	000 tonnes			
	Total Milk Production	000 tonnes	93.424	97.031	3.86%
II	Egg Production				
	Layers				
U	Desi	00 No.	9315	9691	4.04%
V	Improved	00 No.	707	705	-0.28%
W	Total	00 No.	10022	10397	3.74%
	Yield per layer per year				
X	Desi	No.	105	104	-0.95%
Y	Improved	No.	215	216	0.47%
	Production				
Z	Desi	Lakhs Nos.	975.84	1009.35	3.43%
Aa	Improved	“	152.11	163.46	7.46%
Ab	Total	“	1127.95	1172.81	3.98%

**Table 3.12 Annual Report on Sample Surveys to estimate production of Livestock products.
State: - Meghalaya.
2023-2024**

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.	110	110	110	330
2. ©	No. of villages covered for detailed study.				
	i) for Milk	110	110	110	330
	ii) for Egg	110	110	110	330
3.(a)	Total No. of households in the State. (2012 Census) Lakhs Nos.				
3. (b)	Percentage of Households keeping: -				
	i) Bovine	30.03	27.76	30.43	29.36
	ii) Poultry	83.7	80.58	85.08	83.08
	iii) Sheep	0.13	0	0.01	0.04
	iv) Goat	10.96	10.02	12.4	11.14
	v) Pig	64.75	81.63	64.03	70.52
4. (a)	No. of households covered for Milk production (Cow, Buffalo and Goat)	665	665	701	2031
4. (b)	No. of animals observed for milk production				
	i) Cow in Milk.	1032	1037	1073	3142
	ii) Buffalo in Milk.	59	60	52	171
	iii) Goat in Milk.	0	0	0	0
5. (a)	No. of Households observed for egg production.	1201	1163	1149	3513
5. (b)	No. of Layers observed.				
	i) Desi & Improved	7708	6176	5896	19780
	.				

Table 3.12 – Contd.

Sl. No.	Items	Summer	Monsoon	Winter	Annual (Overall)
6. (a)	Estimated No. of Animals Slaughtered. '000' Nos.				
	i) Cattle	96.65	95.42	108.86	300.92
	ii) Buffalo	1.59	1.74	1.70	5.03
	iii) Sheep & Goat	125.90	135.46	133.53	394.89
	iv) Pig	36.52	62.65	62.73	161.89
	v) Poultry	1179.22	1521.43	1238.23	3938.88

Table 3.13: District-wise Number of Villages selected for complete enumeration during the year 2023-24.

Sl. No.	Name of District	Summer	Monsoon	Winter	Overall
1.	East Khasi Hills	28	29	30	87
2.	Ri Bhoi	19	19	21	59
3	West Khasi Hills	29	30	30	89
4	South West Khasi Hills	15	15	15	45
5	East Jaintia Hills	13	13	14	40
6	West Jaintia Hills	19	19	19	57
7	North Garo Hills	21	21	23	65
8	East Garo Hills	20	20	22	62
9	West Garo Hills	29	30	31	90
10.	South West Garo Hills	16	16	16	48
11	South Garo Hills	24	24	25	73
	State (Overall)	233	236	246	715

Chapter – 4
District-wise & Season-wise Estimates
Milk Production
2023-2024

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	11985	7028	8286	9100
2.	Ri Bhoi	7611	9352	7441	8135
3	West Khasi Hills	15345	14597	16207	15383
4	South West Khasi Hills	4692	6155	5713	5520
5	East Jaintia Hills	7292	4423	7382	6366
6	West Jaintia Hills	3581	5006	4936	4508
7	North Garo Hills	10544	12073	14204	12274
8	East Garo Hills	8971	14041	13911	12308
9	West Garo Hills	35505	35505	30912	33974
10.	South West Garo Hills	12186	15809	15726	14574
11	South Garo Hills	7867	8111	7684	7887
	Meghalaya	125579	132100	132402	130029

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	6173	6714	7418	6768
2.	Ri Bhoi	5144	6068	5813	5675
3	West Khasi Hills	15973	10184	10631	12263
4	South West Khasi Hills	4626	3825	4638	4363
5	East Jaintia Hills	17825	9806	14151	13927
6	West Jaintia Hills	6767	8153	8106	7675
7	North Garo Hills	12065	7192	12980	10746
8	East Garo Hills	9780	5313	5738	6944
9	West Garo Hills	32761	23623	27424	27936
10.	South West Garo Hills	12007	10177	12562	11582
11	South Garo Hills	3709	4377	4178	4088
	Meghalaya	126830	95432	113639	111967

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	18158	13742	15704	15868
2.	Ri Bhoi	12755	15420	13254	13810
3	West Khasi Hills	31318	24781	26838	27646
4	South West Khasi Hills	9318	9980	10351	9883
5	East Jaintia Hills	25117	14229	21533	20293
6	West Jaintia Hills	10348	13159	13042	12183
7	North Garo Hills	22609	19265	27184	23019
8	East Garo Hills	18751	19354	19649	19251
9	West Garo Hills	68266	59128	58336	61910
10.	South West Garo Hills	24193	25986	28288	26156
11	South Garo Hills	11576	12488	11862	11975
	Meghalaya	252409	227532	246041	241994

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	7052	8623	9207	8294
2.	Ri Bhoi	8465	9406	7231	8367
3	West Khasi Hills	63	67	66	65
4	South West Khasi Hills	0	0	0	0
5	East Jaintia Hills	242	158	253	218
6	West Jaintia Hills	113	117	129	120
7	North Garo Hills	11	11	12	11
8	East Garo Hills	35	33	50	39
9	West Garo Hills	722	392	615	576
10.	South West Garo Hills	26	26	29	27
11	South Garo Hills	0	0	0	0
	Meghalaya	16728	18833	17592	17717

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	1583	1049	1522	1385
2.	Ri Bhoi	619	203	586	469
3	West Khasi Hills	39	0	35	25
4	South West Khasi Hills	67	11	67	48
5	East Jaintia Hills	147	115	164	142
6	West Jaintia Hills	143	0	148	97
7	North Garo Hills	46	7	43	32
8	East Garo Hills	32	17	41	30
9	West Garo Hills	158	139	147	148
10.	South West Garo Hills	31	16	36	28
11	South Garo Hills	0	0	0	0
	Meghalaya	2865	1557	2789	2404

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

Sl. No.	Name of Districts	Milch Cows			
		Summer	Monsoon	Winter	Overall
1.	East Khasi Hills	8635	9672	10729	9679
2.	Ri Bhoi	9084	9609	7817	8837
3	West Khasi Hills	102	67	101	90
4	South West Khasi Hills	67	11	67	48
5	East Jaintia Hills	389	273	417	360
6	West Jaintia Hills	256	117	277	217
7	North Garo Hills	57	18	55	43
8	East Garo Hills	67	50	91	69
9	West Garo Hills	880	531	762	724
10.	South West Garo Hills	57	42	65	55
11	South Garo Hills	0	0	0	0
	Meghalaya	19593	20390	20381	20122

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

Sl. No.	Name of Districts	In Milk			
		Summer	Monsoon	Winter	Overall
1.	East Khasi Hills	74	84	56	71
2.	Ri Bhoi	451	361	287	366
3	West Khasi Hills	126	192	192	170
4	South West Khasi Hills	207	265	212	228
5	East Jaintia Hills	40	52	92	61
6	West Jaintia Hills	12	28	31	24
7	North Garo Hills	0	0	0	0
8	East Garo Hills	0	0	0	0
9	West Garo Hills	218	264	139	207
10.	South West Garo Hills	312	395	326	344
11	South Garo Hills	0	0	0	0
	Meghalaya	1440	1639	1333	1471

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

Sl. No.	Name of Districts	Dry			
		Summer	Monsoon	Winter	Overall
1.	East Khasi Hills	70	72	72	71
2.	Ri Bhoi	194	194	195	194
3	West Khasi Hills	174	175	174	174
4	South West Khasi Hills	256	258	261	258
5	East Jaintia Hills	59	59	60	59
6	West Jaintia Hills	56	56	56	56
7	North Garo Hills	0	0	0	0
8	East Garo Hills	0	0	0	0
9	West Garo Hills	132	133	133	133
10.	South West Garo Hills	278	279	140	232
11	South Garo Hills	0	0	0	0
	Meghalaya	1219	1226	1091	1177

Table 4.3 ©: Estimated Number of Productive Buffaloes.

Sl. No.	Name of Districts	Milch			
		Summer	Monsoon	Winter	Overall
1.	East Khasi Hills	144	156	128	142
2.	Ri Bhoi	645	555	481.5	560
3	West Khasi Hills	300	367	365.5	344
4	South West Khasi Hills	463	523	473	486
5	East Jaintia Hills	99	111	152	120
6	West Jaintia Hills	68	84	87	80
7	North Garo Hills	0	0	0	0
8	East Garo Hills	0	0	0	0
9	West Garo Hills	350	397	271.5	340
10.	South West Garo Hills	590	674	465.5	576
11	South Garo Hills	0	0	0	0
	Meghalaya	2659	2865	2424	2648

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	0.960	0.940	0.950	0.954
2.	Ri Bhoi	1.010	1.040	0.990	1.018
3	West Khasi Hills	0.850	0.840	0.860	0.852
4	South West Khasi Hills	0.820	0.830	0.800	0.818
5	East Jaintia Hills	0.750	0.760	0.790	0.768
6	West Jaintia Hills	0.740	0.770	0.770	0.764
7	North Garo Hills	0.730	0.760	0.750	0.75
8	East Garo Hills	0.740	0.750	0.760	0.753
9	West Garo Hills	0.740	0.760	0.750	0.752
10.	South West Garo Hills	0.740	0.740	0.750	0.746
11	South Garo Hills	0.730	0.740	0.760	0.745
	Meghalaya	0.793	0.797	0.803	0.797

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	0.634	0.481	0.505	0.547
2.	Ri Bhoi	0.603	0.631	0.56	0.600
3	West Khasi Hills	0.416	0.495	0.524	0.474
4	South West Khasi Hills	0.413	0.512	0.445	0.457
5	East Jaintia Hills	0.218	0.236	0.273	0.241
6	West Jaintia Hills	0.256	0.293	0.294	0.283
7	North Garo Hills	0.340	0.476	0.395	0.400
8	East Garo Hills	0.354	0.544	0.543	0.481
9	West Garo Hills	0.385	0.456	0.401	0.413
10.	South West Garo Hills	0.373	0.45	0.42	0.416
11	South Garo Hills	0.496	0.481	0.496	0.491
	Meghalaya	0.394	0.463	0.432	0.427

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

Sl. No.	Name of Districts	Cows In Milk			
		Summer	Monsoon	Winter	Overall
1.	East Khasi Hills	8.750	9.100	9.050	9.005
2.	Ri Bhoi	8.800	9.120	9.080	9.032
3	West Khasi Hills	8.300	8.450	8.470	8.475
4	South West Khasi Hills	0.000	0.000	0.000	0.000
5	East Jaintia Hills	8.830	8.830	8.860	8.835
6	West Jaintia Hills	8.830	8.840	8.850	8.825
7	North Garo Hills	8.750	8.740	8.760	9.038
8	East Garo Hills	8.730	8.750	8.750	8.758
9	West Garo Hills	8.560	8.680	8.530	8.591
10.	South West Garo Hills	8.500	8.660	8.470	8.562
11	South Garo Hills	0.000	0.000	0.000	0
	Meghalaya	8.767	9.093	9.035	8.973

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	7.145	8.113	7.831	7.716
2.	Ri Bhoi	8.2	8.927	8.469	8.552
3	West Khasi Hills	5.126	8.45	5.581	6.121
4	South West Khasi Hills	0	0	0	0
5	East Jaintia Hills	5.482	5.11	5.42	5.35
6	West Jaintia Hills	3.898	8.84	4.14	4.88
7	North Garo Hills	1.689	5.341	1.927	2.312
8	East Garo Hills	4.495	5.775	4.799	4.95
9	West Garo Hills	7.023	6.4	6.936	6.835
10.	South West Garo Hills	3.877	5.361	3.81	4.203
11	South Garo Hills	0	0	0	0
	Meghalaya	7.485	8.399	7.798	7.901

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	1.860	1.87
2.	Ri Bhoi	1.850	1.860	1.870	1.865
3	West Khasi Hills	1.840	1.850	1.900	1.875
4	South West Khasi Hills	1.850	1.820	1.860	0.000
5	East Jaintia Hills	1.830	1.860	1.860	1.865
6	West Jaintia Hills	1.840	1.840	1.870	1.83
7	North Garo Hills	0.000	0.000	0.000	0
8	East Garo Hills	0.000	0.000	0.000	0.000
9	West Garo Hills	1.860	1.860	1.850	1.863
10.	South West Garo Hills	1.840	1.850	1.880	1.862
11	South Garo Hills	0.000	0.000	0.000	0
	Meghalaya	1.846	1.849	1.841	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	0.951	0.993	0.821	0.932
2.	Ri Bhoi	1.294	1.210	1.122	1.219
3	West Khasi Hills	0.770	0.967	1.004	0.922
4	South West Khasi Hills	0.000	0.000	0.000	0.000
5	East Jaintia Hills	0.730	0.871	1.135	0.946
6	West Jaintia Hills	0.325	0.606	0.672	0.546
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	1.159	1.236	0.952	1.134
10.	South West Garo Hills	0.971	1.084	1.326	1.112
11	South Garo Hills	0.000	0.000	0.000	0.000
	Meghalaya	1.000	1.058	1.038	1.033

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

Sl. No.	Name of Districts	Summer	Monsoon	Winter	Overall
1.	East Khasi Hills	1.404	0.813	0.952	3.169
2.	Ri Bhoi	0.938	1.196	0.891	3.023
3	West Khasi Hills	1.591	1.508	1.686	4.784
4	South West Khasi Hills	0.469	0.628	0.553	1.648
5	East Jaintia Hills	0.667	0.413	0.706	1.785
6	West Jaintia Hills	0.323	0.474	0.460	1.257
7	North Garo Hills	0.939	1.129	1.289	3.360
8	East Garo Hills	0.810	1.295	1.279	3.383
9	West Garo Hills	3.205	3.319	2.805	9.325
10.	South West Garo Hills	1.100	1.439	1.427	3.968
11	South Garo Hills	0.701	0.738	0.707	2.145
	Meghalaya	12.148	12.953	12.756	37.846

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

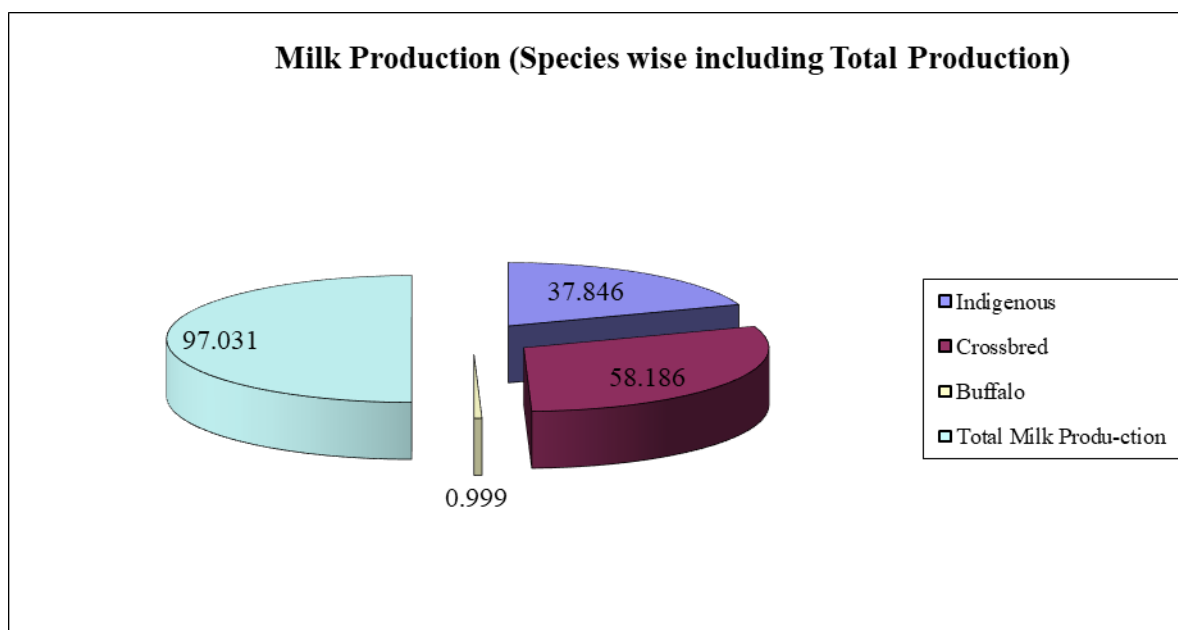
Sl. No.	Name of Districts	Summer	Monsoon	Winter	Overall
1.	East Khasi Hills	7.527	9.651	10.082	27.261
2.	Ri Bhoi	9.088	10.551	7.944	27.583
3	West Khasi Hills	0.064	0.070	0.068	0.201
4	South West Khasi Hills	0.000	0.000	0.000	0.000
5	East Jaintia Hills	0.260	0.172	0.271	0.703
6	West Jaintia Hills	0.122	0.127	0.138	0.387
7	North Garo Hills	0.012	0.012	0.013	0.036
8	East Garo Hills	0.037	0.036	0.052	0.125
9	West Garo Hills	0.754	0.418	0.634	1.806
10.	South West Garo Hills	0.027	0.028	0.030	0.084
11	South Garo Hills	0.000	0.000	0.000	0.000
	Meghalaya	17.891	21.064	19.232	58.186

Table 4.9: Milk Production- Buffaloes (Tonnes).

Sl. No.	Name of Districts	Summer	Monsoon	Winter	Overall
1.	East Khasi Hills	0.017	0.019	0.013	0.048
2.	Ri Bhoi	0.102	0.083	0.065	0.249
3	West Khasi Hills	0.028	0.044	0.044	0.116
4	South West Khasi Hills	0.047	0.059	0.048	0.154
5	East Jaintia Hills	0.009	0.012	0.021	0.041
6	West Jaintia Hills	0.003	0.006	0.007	0.016
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	0.049	0.060	0.031	0.141
10.	South West Garo Hills	0.070	0.090	0.074	0.234
11	South Garo Hills	0.000	0.000	0.000	0.000
	Meghalaya	0.324	0.373	0.302	0.999

Table 4.10: Total Milk Production in the State. ('000' Tonnes) 2023-24

Sl. No	Name of Districts	Cow's Milk			Buffalo	Total Milk Production	Previous Years Production	% Increase or Decrease over 2022-23
		Indigenous	Crossbred	Total				
1.	East Khasi Hills	3.169	27.261	30.430	0.048	30.478	29.154	4.54%
2.	Ri Bhoi	3.023	27.583	30.606	0.249	30.855	28.626	7.79%
3.	West Khasi Hills	4.784	0.201	4.985	0.116	5.101	5.053	0.95%
4.	South West Khasi Hills	1.648	0.000	1.648	0.154	1.802	1.898	-5.06%
5.	East Jaintia Hills	1.785	0.703	2.488	0.041	2.529	3.242	-21.99%
6.	West Jaintia Hills	1.257	0.387	1.644	0.016	1.660	1.392	19.25%
7.	North Garo Hills	3.360	0.036	3.396	0.000	3.396	3.177	6.89%
8.	East Garo Hills	3.383	0.125	3.508	0.000	3.508	2.787	25.87%
9.	West Garo Hills	9.325	1.806	11.131	0.141	11.272	11.487	-1.87%
10.	South West Garo Hills	3.968	0.084	4.052	0.234	4.286	4.515	-5.07%
11.	South Garo Hills	2.145	0.000	2.145	0.000	2.145	2.094	2.44%
	Meghalaya	37.846	58.186	96.032	0.999	97.031	93.424	3.86%



**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
2018-19	8.957	0.778	1.843	7.587	0.422	1.121
2019-20	8.988	0.784	1.857	7.738	0.401	0.984
2020-21	9.011	0.785	1.843	7.772	0.402	0.959
2021-22	8.993	0.788	1.850	7.747	0.405	0.979
2022-23	9.011	0.790	1.853	7.796	0.409	1.006
2023-24	8.973	0.797	1.855	7.901	0.427	1.033

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
2018-19	15.38	123.04	1.35	18.16	226.07	2.22
2019-20	15.52	124.15	1.32	18.02	242.05	2.50
2020-21	16.02	124.05	1.31	18.58	242.28	2.52
2021-22	16.21	125.06	1.30	18.82	242.86	2.47
2022-23	16.6	127.09	1.39	19.24	245.12	2.57
2023-24	17.72	130.03	1.47	20.12	241.99	2.65

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	85.273	(+)1 .28%
2018-19	50.430	39.943	0.907	86.28	(+) 1.18%
2019-20	51.048	35.538	0.898	87.484	(+) 1.39%
2020-21	52.705	35.55	0.881	89.136	(+) 1.89%
2021-22	53.365	35.968	0.881	90.214	(+) 1.21%
2022-23	55.829	36.652	0.943	93.424	(+) 3.56%
2023-24	58.186	37.846	0.999	97.031	(+) 3.86%

Chapter – 5

District-wise & Season-wise Estimates

Egg Production

**Table 5.1 (a): District-wise and Season-Wise Estimated No. of Poultry (Fowls), 2023-24
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	1366	1073	1007	284	365	638	734	481	1894	444	622	8908
Monsoon	1792	1187	961	243	335	656	1012	681	1564	640	641	9711
Winter	1897	1203	1276	284	353	778	883	772	1234	627	659	9967
Over All	1688	1154	1077	270	351	688	883	642	1564	573	641	9531
<u>Improved</u>												
Summer	183	151	62	0	40	75	19	61	32	178	0	800
Monsoon	184	151	72	0	39	45	0	97	33	60	3	684
Winter	181	149	64	0	26	48	0	92	33	34	3	629
Over All	183	151	66	0	35	56	6	83	33	91	2	705
<u>Total</u>												
Summer	1548	1224	1069	284	405	713	753	542	1925	622	622	9708
Monsoon	1976	1338	1033	243	374	701	1012	778	1597	699	644	10395
Winter	2078	1352	1340	284	379	826	883	864	1267	661	662	10596
Over All	1870	1305	1143	270	386	745	890	725	1596	664	643	10236

Table 5.1(b): District-wise and Season-wise Estimated No. of Poultry (Ducks) 2023-24.
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	23	11	0	0	2	2	0	2	132	34	0	205
Monsoon	8	4	0	0	1	2	3	2	103	15	2	140
Winter	16	3	0	0	0	1	3	2	101	18	0	143
Over All	16	6	0	0	1	2	2	2	112	22	1	163
<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	23	11	0	0	2	2	0	2	132	34	0	205
Monsoon	8	4	0	0	1	2	3	2	103	15	2	140
Winter	16	3	0	0	0	1	3	2	101	18	0	143
Over All	16	6	0	0	1	2	2	2	112	22	1	163

Table 5.2 (a): District-wise and Season-Wise Estimated Yield per Layer (Fowls) 2023-24.

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	35	34	35	34	35	35	34	34	35
Monsoon	36	36	34	34	34	34	34	34	36	34	34	35
Winter	35	36	33	33	34	35	33	34	35	35	34	34
Over All	106	107	102	102	102	104	101	103	106	103	102	104
<u>Improved</u>												
Summer	74	74	71	0	71	72	70	70	72	72	0	73
Monsoon	73	74	70	0	70	70	0	71	71	70	70	72
Winter	73	73	68	0	70	70	0	71	71	68	69	71
Over All	220	221	209	0	211	212	70	212	214	210	139	216
<u>Total</u>												
Summer	41	40	37	35	38	39	35	39	36	45	34	38
Monsoon	40	41	37	34	38	37	34	39	37	37	34	38
Winter	39	41	35	33	36	37	33	38	36	37	34	37
Over All	119	123	109	102	112	114	101	117	109	118	102	113

Table 5.2(b): District-wise and Season-wise Estimated Yield per Layer (Ducks) 2023-24.

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	0	0	34	35	0	35	35	34	0	35
Monsoon	36	36	0	0	34	34	34	34	36	34	34	36
Winter	36	36	0	0	0	35	33	34	35	35	0	35
Over All	107	107	0	0	68	104	67	103	106	103	34	105
<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	0	0	34	35	0	35	35	34	0	35
Monsoon	36	36	0	0	34	34	34	34	36	34	34	36
Winter	36	36	0	0	0	35	33	34	35	35	0	35
Over All	107	107	0	0	68	104	67	103	106	103	34	105

Table 5.3(a): District-wise and Season-Wise Estimated Egg Production (Fowls) 2023-24.
(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	47.79	37.54	35.26	9.93	12.41	22.34	24.95	16.85	66.28	15.11	21.15	309.61
Monsoon	64.52	42.73	32.68	8.25	11.39	22.31	34.39	23.16	56.30	21.75	21.78	339.25
Winter	66.38	43.32	42.12	9.36	11.99	27.23	29.15	26.25	43.19	21.95	22.41	343.36
Over All	178.69	123.59	110.06	27.54	35.80	71.88	88.49	66.26	165.77	58.81	65.33	992.22
<u>Improved</u>												
Summer	14.96	11.85	4.76	0.00	2.81	5.75	1.33	4.54	2.76	12.80	0.00	61.57
Monsoon	14.78	12.73	5.39	0.00	2.74	3.56	0.00	7.06	3.19	4.19	0.21	53.84
Winter	13.94	12.48	4.59	0.00	1.83	3.58	0.00	6.66	2.44	2.31	0.21	48.05
Over All	43.68	37.05	14.74	0.00	7.38	12.89	1.33	18.25	8.40	19.30	0.42	163.46
<u>Total</u>												
Summer	62.75	49.39	40.02	9.93	15.22	28.09	26.28	21.39	69.04	27.91	21.15	371.18
Monsoon	79.3	55.46	38.07	8.25	14.13	25.87	34.39	30.22	59.49	25.94	21.99	393.09
Winter	80.32	55.8	46.71	9.36	13.82	30.81	29.15	32.91	45.63	24.26	22.62	391.41
Over All	222.37	160.64	124.8	27.54	43.18	84.77	89.82	84.51	174.17	78.11	65.75	1155.68

Table 5.3(b): District-wise and Season-wise Estimated Egg production (Ducks) 2023-24.
(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	0.81	0.37	0.00	0.00	0.07	0.06	0.00	0.06	4.62	1.14	0.00	7.13
Monsoon	0.30	0.13	0.00	0.00	0.04	0.07	0.11	0.06	3.69	0.52	0.05	4.98
Winter	0.57	0.10	0.00	0.00	0.00	0.03	0.11	0.05	3.52	0.62	0.00	5.01
Over All	1.68	0.60	0.00	0.00	0.11	0.17	0.23	0.17	11.84	2.29	0.05	17.13
<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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Winter	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Over All	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<u>Total</u>												
Summer	0.81	0.37	0	0	0.07	0.06	0	0.06	4.62	1.14	0	7.13
Monsoon	0.3	0.13	0	0	0.04	0.07	0.11	0.06	3.69	0.52	0.05	4.98
Winter	0.57	0.1	0	0	0	0.03	0.11	0.05	3.52	0.62	0	5.01
Over All	1.68	0.6	0	0	0.11	0.17	0.23	0.17	11.84	2.29	0.05	17.13

Table 5.4 (a): Estimated Total Egg production. (Lakhs Numbers) 2023-24.

Sl No.	Name of Districts	Summer		Monsoon		Winter	
		Fowls	Duck	Fowls	Duck	Fowls	Duck
1.	East Khasi Hills	62.75	0.81	79.3	0.3	80.32	0.57
2.	Ri Bhoi	49.39	0.37	55.46	0.13	55.8	0.1
3	West Khasi Hills	40.02	0	38.07	0	46.71	0
4	South West Khasi Hills	9.93	0	8.25	0	9.36	0
5	East Jaintia Hills	15.22	0.07	14.13	0.04	13.82	0
6	West Jaintia Hills	28.09	0.06	25.87	0.07	30.81	0.03
7	North Garo Hills	26.28	0	34.39	0.11	29.15	0.11
8	East Garo Hills	21.39	0.06	30.22	0.06	32.91	0.05
9	West Garo Hills	69.04	4.62	59.49	4.62	45.63	3.52
10.	South West Garo Hills	27.91	1.14	25.94	0.52	24.26	0.62
11	South Garo Hills	21.15	0	21.99	0.05	22.62	0
	Meghalaya	371.18	7.13	393.09	4.98	391.41	5.01

Table 5.4 (b): Estimated Total Egg production. (Lakhs Numbers) 2023-24.

Sl No.	Name of Districts	Total egg		Annual Production Current Year 2023-24	Annual Production Previous Year 2022-23	Percentage Increase or Decrease over the Previous year
		Fowls	Duck			
1.	East Khasi Hills	222.37	1.68	224.05	224.64	-0.26%
2.	Ri Bhoi	160.64	0.6	161.24	158.55	1.7%
3	West Khasi Hills	124.8	0	124.8	110.28	13.17%
4	South West Khasi Hills	27.54	0	27.54	26.1	5.52%
5	East Jaintia Hills	43.18	0.11	43.29	47.44	-8.75%
6	West Jaintia Hills	84.77	0.17	84.94	83.34	1.92%
7	North Garo Hills	89.82	0.23	90.05	82.76	8.81%
8	East Garo Hills	84.51	0.17	84.68	79.1	7.05%
9	West Garo Hills	174.17	11.84	186.01	184.26	0.95%
10.	South West Garo Hills	78.11	2.29	80.4	66.15	21.54%
11	South Garo Hills	65.75	0.05	65.8	65.32	0.73%
	Meghalaya	1155.7	17.14	1172.82	1127.94	3.98%

Egg Production (in Lakhs Nos)

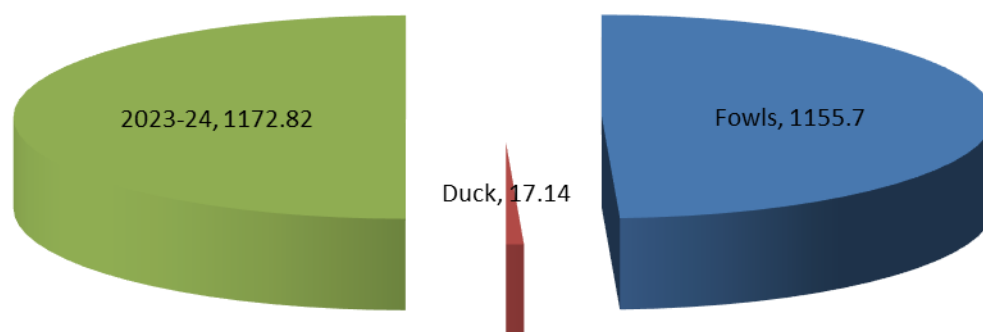


Table 5.5: Estimated Numbers of Layers in Meghalaya from 1983-84.
Lakhs Nos.

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	0.00	0.076	8.703	0.74	9.443
2018-19	8.752	0.77	9.522	0.09	0.00	0.09	8.842	0.77	9.615
2019-20	8.837	0.775	9.612	0.094	0.004	0.098	8.931	0.779	9.710
2020-21	8.976	0.723	9.699	0.15	0.00	0.15	9.126	0.723	9.849
2021-22	9.033	0.713	9.746	0.16	0.00	0.16	9.193	0.713	9.906
2022-23	9.159	0.707	9.865	0.16	0.00	0.16	9.319	0.707	10.026
2023-24	9.531	0.705	10.236	0.16	0	0.16	9.691	0.705	10.397

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%
2018-19	105	212	114	926.976	163.42	1090.4	(+) 1.56%
2019-20	105	214	114	935.96	166.84	1102.8	(+) 1.14%
2020-21	104	214	113	952.89	154.97	1107.86	(+) 0.46%
2021-22	105	215	113	961.61	153.04	1114.65	(+) 0.61%
2022-23	105	215	113	975.84	152.11	1127.95	(+) 1.19%
2023-24	104	216	113	1009.35	163.46	1172.81	(+) 3.98%

Chapter – 6

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

2023-24

Table 6.1: Percentage Utilisation of Milk.

Season	Sold as fluid Milk	Converted into Milk products	Consumed as Fluid Milk in the Household	Total
Summer	91.04	1.43	7.52	100
Monsoon	89.27	2.24	8.50	100
Winter	89.42	2.22	8.36	100
Overall	89.89	1.97	8.14	100

Table 6.2: Percentage Utilization of Produced Eggs.

Season	Utilisation for Home consumption	Set for Hatching	Egg Sold	Damaged or spoiled	Total
Summer	15.85	7.90	73.04	3.21	100
Monsoon	16.44	14.66	65.56	3.34	100
Winter	16.17	10.02	70.42	3.40	100
Overall	16.09	10.13	70.48	3.30	100

Table 6.3: Season wise Utilisation rate of Dung collected From Bovine at Sample Household 2023-24.

Sl No .	Season	Unit	Dung Utilized for manure.	Dung Utilized for Dung cake	Dung Utilized for others such as Bio-gas.	Over all
1.	Summer	Percentage	96.24	2.47	1.29	100.00%
2.	Monsoon.	Percentage	96.22	2.44	1.34	100.00%
3.	Winter	Percentage	95.97	2.61	1.42	100.00%
	Over-All	Percentage	96.14	2.50	1.35	100.00%

Table 6.4: Per Capita availability of Milk and Egg

Items	Unit	Per Capita Availability
Milk	Grams / day	77
Eggs	Nos. / year	34

Table 6.5: Season wise Percentage of Animals which were Grazed, Stallfed or Both. 2023-24

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) Adult Female	89.86	2.89	7.25	100	93.71	1.91	4.38	100	97.18	0.80	2.02	100
	b) Adult Male	81.87	1.92	16.21	100	94.91	1.12	3.97	100	96.14	1.41	2.45	100
	c) Young Stock upto 3 years	88.79	2.53	8.68	100	93.62	2.22	4.16	100	96.65	0.78	2.57	100
	Overall :-	87.56	2.54	9.91	100	94.03	1.77	4.20	100	96.79	0.92	2.30	100
1.2	CROSS BRED					0	0	0	0	0	0	0	0
	a) Adult Female	8.00	82.00	10.00	100	8.50	86.00	5.50	100	12.40	80.30	7.30	100
	b) Adult Male	10.00	81.50	8.50	100	12.50	80.00	7.50	100	13.30	80.70	6.00	100
	c) Young Stock upto 3 years	5.00	76.20	18.80	100	14.50	80.00	5.50	100	12.40	82.50	5.10	100
	Overall :-	7.39	80.56	12.04	100	10.35	84.06	5.60	100	12.46	81.14	6.40	100
2	BUFFALOES					0	0	0	0	0	0	0	0
	a) Adult Female	94.70	0.00	5.30	100	94.57	0.00	5.43	100	96.57	0.00	3.43	100
	b) Adult Male	93.50	0.00	6.50	100	93.74	0.00	6.26	100	94.67	0.00	5.33	100
	c) Young Stock upto 3 years	90.50	0.00	9.50	100	90.80	0.00	9.20	100	92.67	0.00	7.33	100
	Overall:-	93.37	0.00	6.63	100	93.23	0.00	6.77	100	94.74	0.00	5.26	100

Table 6.6: Distributions of Animals as per the feeding practices observed in the selected households**Name of State: Meghalaya, Year- 2023-24**

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/ Non-Descript)																
	a) Adult Female	5.15	6.88	4.85	5.63	2.42	3.12	2.92	2.83	1.78	0.00	0.00	0.55	2109	2305	2382	6796
	b) Adult Male	4.33	4.57	4.35	4.43	2.20	2.47	2.49	2.39	0.00	0.00	0.00	0.00	1197	1513	1063	3773
	c) Young Stock upto 3 years	3.53	3.55	3.10	3.38	0.00	1.84	0.98	0.93	0.00	0.00	0.00	0.00	1578	1489	1787	4854
	d) Overall (%)	30.26	39.31	30.42	100.00	23.62	41.73	34.65	100.00	100.00	0.00	0.00	100.00	4884	5307	5232	15423
2	Cattle (Exotic/ Cross-bred)																
	a) Adult Female	19.28	18.53	10.18	17.23	6.15	6.75	17.85	8.67	5.12	3.70	5.16	4.67	394	263	163	820
	b) Adult Male	16.79	15.67	8.96	14.43	4.94	5.99	16.80	8.35	3.41	2.11	3.28	3.03	34	19	19	72
	c) Young Stock upto 2 & 1/2 years	13.53	13.54	8.10	11.88	3.14	2.81	15.65	6.86	1.41	1.18	1.29	1.31	137	107	107	351
	d) Overall (%)	51.82	34.23	13.95	100.00	29.87	21.64	48.48	100.00	51.61	25.29	23.11	100.00	565	389	289	1243
3	Buffalo																
	a) Adult Female	4.16	4.55	4.32	4.35	2.15	1.61	1.78	1.84	0.00	0.00	0.00	0.00	111	126	83	320
	b) Adult Male	3.39	3.97	3.28	3.58	1.92	0.00	1.65	1.10	0.00	0.00	0.00	0.00	85	105	84	274
	c) Young Stock upto 3 years	1.31	2.19	1.84	1.85	1.18	0.00	1.47	0.78	0.00	0.00	0.00	0.00	55	91	71	217
	d) Overall (%)	29.59	42.85	27.55	100.00	44.01	19.12	36.88	100.00	0.00	0.00	0.00	0.00	251	322	238	811

Source: LPS- 1.2. Block-II

Meat Production – 2023-24

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.	47374	8919	9213	2067	2475	8031	1982	2169	9292	1894	3229	96645	94544	2101
(b)	Buffaloes.	243	99	0	0	601	56	0	31	533	30	0	1593	1593	
(c)	Pig	61339	10748	8432	2749	5165	12794	2242	2429	11103	1413	7482	125896	124484	1412
(d)	Sheep & Goat.	17753	982	581	602	4729	2646	153	1684	4099	1203	2091	36523	35892	631
(e)	Poultry.	668651	69563	117681	20187	36306	100319	11805	19554	105398	9230	20530	1179224	1143629	35595
	<u>MONSOON</u>														
(a)	Cattle.	48249	9423	9550	2145	2447	7816	1740	2329	7492	1955	2270	95416	93604	1812
(b)	Buffaloes.	243	36	0	0	639	61	0	71	637	53	0	1740	1740	
(c)	Pig.	65359	11497	9034	2831	5508	13199	3711	2667	12292	1328	8030	135456	132366	3090
(d)	Sheep & Goat.	18070	1114	679	24975	5032	2800	253	1854	4464	1143	2261	62645	61919	726
(e)	Poultry.	686040	75146	73700	379977	31800	104246	5076	20720	114054	8846	21821	1521426	1481162	40264
	<u>WINTER</u>														
(a)	Cattle.	55735	10134	9939	2611	2485	7989	667	2300	10150	1984	4864	108858	107311	1547
(b)	Buffaloes.	243	36	0	0	638	60	0	31	633	60	0	1701	1701	
(c)	Pig.	65464	11461	8278	2741	4903	13292	2274	2803	13019	1716	7583	133534	129634	3900
(d)	Sheep & Goat.	19069	1101	599	25398	4465	2352	207	1882	4110	1323	2220	62726	62225	501
(e)	Poultry.	770004	69049	67312	19640	34982	97782	11849	20017	114911	8989	23695	1238230	1199783	38447

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	151.36	28.48	28.7	6.82	7.41	23.84	4.39	6.8	26.93	5.83	10.36	300.92	295.46	5.46
2.	Buffaloes	0.73	0.17	0	0	1.88	0.18	0	0.13	1.8	0.14	0	5.03	5.03	0
3.	Pig	192.16	33.71	25.74	8.32	15.58	39.29	8.23	7.9	36.41	4.46	23.1	394.9	386.5	8.4
4.	Sheep & Goat	54.89	3.20	1.86	50.98	14.23	7.80	0.61	5.42	12.67	3.67	6.57	161.9	160.04	1.86
5.	Poultry	2124.7	213.76	258.69	419.8	103.09	302.35	28.73	60.29	334.36	27.07	66.05	3938.89	3824.58	114.31

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</u>												
	<u>Slaughter.</u>												
	<u>SUMMER</u>												
(a)	Cattle.	94.70	94.35	94.38	94.14	93.88	93.69	92.70	92.37	93.04	92.81	93.34	94.18
(b)	Buffaloes.	118.00	119.00	0.00	0.00	118.00	118.00	0.00	117.00	118.00	118.00	0.00	118.00
(c)	Pig.	46.63	46.78	46.58	45.82	47.41	47.65	43.48	43.79	43.02	43.52	42.87	46.07
(d)	Sheep & Goat.	9.49	9.46	9.33	9.39	9.64	9.39	9.46	9.62	9.53	9.42	9.33	9.50
(e)	Poultry.	1.52	1.51	1.50	1.50	1.48	1.47	1.46	1.45	1.46	1.43	1.44	1.51
	<u>MONSOON</u>												
(a)	Cattle.	95.10	95.02	94.56	94.67	94.13	94.06	93.07	93.24	93.23	93.44	92.84	94.60
(b)	Buffaloes.	118.00	118.00	0.00	0.00	118.00	118.00	0.00	119.00	118.00	118.00	0.00	118.00
(c)	Pig.	46.63	46.70	46.59	46.66	47.73	47.62	42.92	43.82	43.07	43.52	42.87	46.04
(d)	Sheep & Goat.	9.49	7.34	4.41	9.40	9.64	9.39	9.55	9.63	9.52	9.42	9.33	9.37
(e)	Poultry.	1.57	1.56	1.55	1.57	1.54	1.53	1.48	1.46	1.46	1.45	1.46	1.55
	<u>WINTER</u>												
(a)	Cattle.	95.19	95.15	94.94	94.79	94.65	94.83	93.34	93.57	93.41	93.30	93.43	94.79
(b)	Buffaloes.	119.00	119.00	0.00	0.00	119.00	118.00	0.00	117.00	118.00	119.00	0.00	118.00
(c)	Pig.	47.85	47.00	47.25	46.93	46.65	47.30	42.89	43.48	43.46	43.26	43.41	46.71
(d)	Sheep & Goat.	9.60	8.53	6.70	9.47	9.58	9.59	9.55	9.46	9.41	9.63	9.37	9.48
(e)	Poultry.	1.58	1.55	1.52	1.52	1.45	1.50	1.48	1.45	1.46	1.45	1.48	1.54

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	95.01	119.18	47.05	9.55	1.56
2.	Ri – Bhoi	94.80	117.65	46.84	8.13	1.54
3.	West Khasi Hills	94.67		46.81	6.45	1.52
4	South West Khasi Hills	94.57		46.51	9.44	1.56
5	East Jaintia Hills	94.06	118.62	47.30	9.70	1.49
6	West Jaintia Hills	94.17	116.67	47.54	9.49	1.50
7	North Garo Hills	92.94		43.01	8.20	1.50
8	East Garo Hills	92.94	123.08	43.67	9.59	1.44
9	West Garo Hills	93.24	118.33	43.20	9.47	1.46
10	South West Garo Hills	93.00	121.43	43.27	9.54	1.44
11	South Garo Hills	93.00		43.03	9.44	1.47
	Meghalaya	94.53	118.69	46.28	9.44	1.54

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.	4486	841	870	195	232	752	184	200	865	176	301	9102	8904	198
2.	Buffaloes	29	12	0	0	71	7	0	4	63	4	0	190	190	0
3.	Pigs	2860	503	393	126	245	610	97	106	478	61	321	5800	5735	65
4.	Sheep & Goat.	169	9	5	6	46	25	1	16	39	11	20	347	341	6
5.	Poultry.	1019	105	177	30	54	148	17	28	154	13	30	1775	1721	54
	TOTAL	8563	1470	1445	357	648	1542	299	354	1599	265	672	17214	16891	323
	<u>MONSOON</u>														
1.	Cattle.	4588	895	903	203	230	735	162	217	698	183	211	9025	8854	171
2.	Buffaloes	29	4	0	0	76	7	0	8	75	6	0	205	205	0
3.	Pigs	3048	537	421	132	263	629	159	117	529	58	344	6237	6095	142
4.	Sheep & Goat.	172	8	3	235	49	26	2	18	42	11	21	587	580	7
5.	Poultry.	1080	117	115	596	49	159	8	30	167	13	32	2366	2304	62
	TOTAL	8917	1561	1442	1166	667	1556	331	390	1511	271	608	18420	18038	382
	<u>WINTER</u>														
1.	Cattle.	5306	964	944	247	235	758	62	215	948	185	454	10318	10318	0
2.	Buffaloes	29	4	0	0	76	7	0	4	75	7	0	202	20	182
3.	Pigs	3133	539	391	129	229	629	98	122	566	74	329	6239	6234	5
4.	Sheep & Goat.	183	9	4	240	43	23	2	18	39	13	21	595	536	59
5.	Poultry.	1213	107	102	30	51	146	18	29	168	13	35	1912	1912	0
	TOTAL	9864	1623	1441	646	634	1563	180	388	1796	292	839	19266	19020	246
	OVERALL	27344	4654	4328	2169	1949	4661	810	1132	4906	828	2119	54900	53949	951

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

Sl No	Particulars	East Khasi Hills	Ri-Bhoi	West Khasi Hills	South West Khasi Hills	East Jaintia Hills	West Jaintia Hills	North Garo Hills	East Garo Hills	West Garo Hills	South West Garo Hills	South Garo Hills	Total	Source	
														Within the State	Brought from outside the State
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
1.	Cattle	14380	2700	2717	645	697	2245	408	632	2511	544	966	28445	28076	369
2	Buffaloes	87	20	0	0	223	21	0	16	213	17	0	597	415	182
3.	Pig	9041	1579	1205	387	737	1868	354	345	1573	193	994	18276	18064	212
4.	Sheep & Goat	524	26	12	481	138	74	5	52	120	35	62	1529	1457	72
5.	Poultry	3312	329	394	656	154	453	43	87	489	39	97	6053	5937	116
	TOTAL	27344	4654	4328	2169	1949	4661	810	1132	4906	828	2119	54900	53949	951

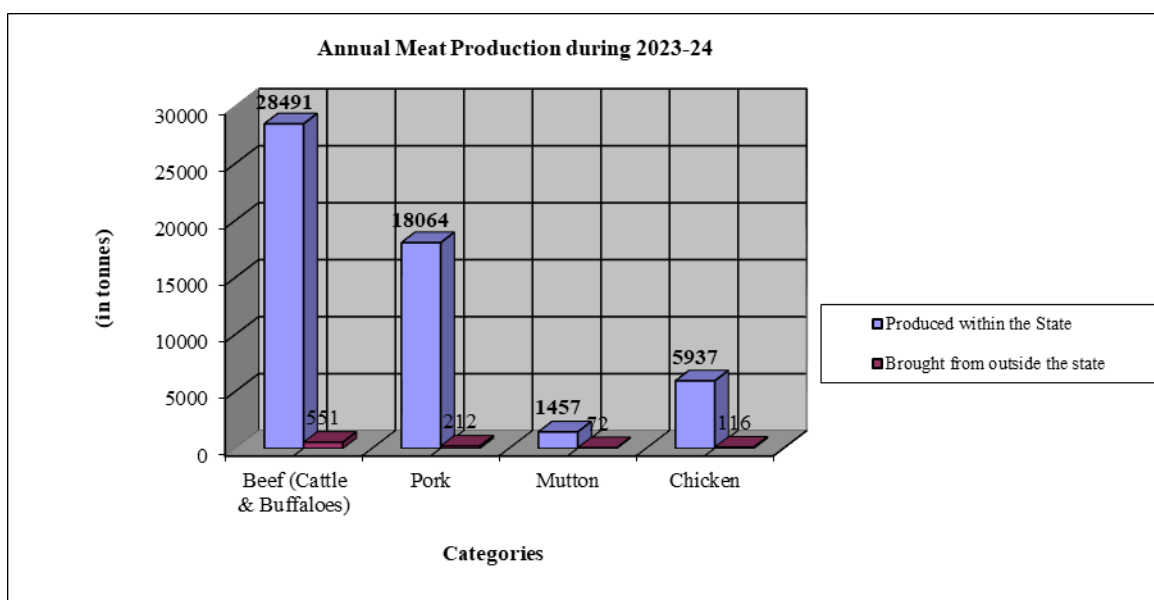
Table 7.7: District wise and Category wise Meat Production and Percentage Contribution to Total Meat Production (in tonnes)

Sl No.	Name of Districts	Meat Production Category Wise (Tonnes)						Annual Production 2022-23	Percentage Contribution to Total Meat Production
		Cattle	Buffalo	Total	Pork	Mutton	Chicken	(Col 5 – 8)	
				Beef					
1	2	3	4	5	6	7	8	9	10
1.	East Khasi Hills	14380	87	14467	9041	524	3312	27344	49.81 %
2.	Ri – Bhoi	2700	20	2720	1579	26	329	4654	8.48 %
3.	West Khasi Hills	2717	0	2717	1205	12	394	4328	7.88 %
4	South West Khasi Hills	645	0	645	387	481	656	2169	3.95 %
5	East Jaintia Hills	697	223	920	737	138	154	1949	3.55 %
6	West Jaintia Hills	2245	21	2266	1868	74	453	4661	8.49 %
7	North Garo Hills	408	0	408	354	5	43	810	1.48 %
8	East Garo Hills	632	16	648	345	52	87	1132	2.06 %
9	West Garo Hills	2511	213	2724	1573	120	489	4906	8.94 %
10	South West Garo Hills	544	17	561	193	35	39	828	1.51 %
11	South Garo Hills	966	0	966	994	62	97	2119	3.86 %
	State (Overall)	28445	597	29042	18276	1529	6053	54900	100 %
	Percentage Contribution of each species to total production	51.81%	1.09%	52.9%	33.29%	2.79%	11.03%	100%	

Table 7.8: Total Meat production with Per Capita Availability & Growth Rate.

Sl No.	Items	Annual Meat Production (in tonnes)						Percentage Increase (+) or Decrease (-) over Previous year
		2023-24			2022-23			
		Produced within the State	Brought from outside the State	Total	Produced within the State	Brought from outside the State	Total	
1	2	3	4	5	6	7	8	9
1	Beef (Cattle & Buffaloes)	28491	551	29042	26563	1683	28246	2.82%
2	Pork	18064	212	18276	16405	1518	17923	1.97%
3	Mutton	1457	72	1529	1356	93	1449	5.52%
4	Chicken	5937	116	6053	3794	200	3994	51.55%
5	Total	53949	951	54900	48118	3494	51612	6.37%

N.B: Estimation on import of Meat (brought from outside the State) was based on the information reported from the District Offices of the Department of A.H. & Veterinary Meghalaya.



7.9: Per Capita Availability of Meat Grams / Day 2023-24

Items	Per Capita Availability
Beef	24.39
Pork	15.35
Mutton	1.28
Chicken	5.08
Total	46.11

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
2018-19	264.95	5.52	336.19	128.91	3344.21
2019-20	275.00	5.31	334.55	129.45	3262.35
2020-21	230.19	5.73	282.45	111.25	2913.59
2021-22	222.75	4.33	269.91	138.96	1999.52
2022-23	298.49	5.25	384.14	138.41	2746.98
2023-24	300.92	5.03	394.9	161.9	3938.89

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
2018-19	89.86	117.89	43.35	10.32	1.32
2019-20	89.80	118.27	45.64	9.56	1.36
2020-21	89.69	117.63	45.67	9.47	1.37
2021-22	90.17	118.00	45.57	9.45	1.38
2022-23	92.56	117.71	46.66	10.47	1.45
2023-24	94.53	118.69	46.28	9.44	1.54

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
2018-19	24..389	14.926	1.255	4.556	45.126
2019-20	25.323	15.269	1.238	4.441	46.271
2020-21	21.319	12.900	1.053	3.985	39.257
2021-22	20.977	12.31	1.309	2.76	37.352
2022-23	28.246	17.923	1.449	3.994	51.612
2023-24	29.042	18.276	1.529	6.053	54.90

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
2018-19	86.28	45.126	109.04
2019-20	87.48	46.27	1102.02
2020-21	89.136	39.257	1107.86
2021-22	90.214	37.352	1114.65
2022-23	93.424	51.612	1127.94
2023-24	97.031	54.900	1172.81





**Published and Computerized by the (Statistical Wing) Directorate of Animal Husbandry & Veterinary
Department, Meghalaya; Shillong.**

E-mail-ID: meghvety@gmail.com