



Government of Meghalaya

REPORT ON INTEGRATED SAMPLE SURVEY FOR

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

YEAR: 2021-22.



**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 2020– 2021 showing production estimates for each season, the number of Livestock and Poultry population including the numbers of Livestock brought from outside the State for Meat. Besides, information of Livestock per Sq. Kms and per 100 Villages are shown in this report. This report provides a reliable data-base relating to the progress and achievement of different schemes of the Department that enables us to estimate the contribution to the livestock sector.

The result of the Survey indicates a growth rate of **1.21** % on Milk, **0.61** % on Egg and a decrease of **4.85** % on Meat over 2020-2021. A drastic drop in the production of Meat over the previous year might be due to the occurrence of the pandemic COVID-19 which has affected the normal situation not only in the state of Meghalaya but in the country as a whole.

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-
Dr. H.K.Marak
Director A.H. & Veterinary
Meghalaya, Shillong.**

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CHAPTER - I

GENERAL

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

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

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

1.4. Population and Area: - The State has a total area of 22,429 Sq. Kms. and a population of 23.19 Lakhs as per the 2001 Census and 29.67 lakhs as per 2011 Census (Provisional). Percentage of Urban population is 19.63, and percentage of Literacy is 63.31. Table 1.2 below indicates the District Wise population both Rural and Urban. The Density per Sq. Km. in the State is 132 persons compared to 2001 Census with a density of 103 person and 1991 Census with 79 persons.

Table 1.1: General Information.

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

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

Table 1.2: Human Population (2011)

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

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

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

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

Source: Directorate of Economics & Statistics, Meghalaya.

Table 1.4: Classification of Households possessing Bovine according to the size of the Unit during the Year 2021-22.

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	16.39	27.87	16.39	14.75	6.56	4.92	13.11	100%
2.	Ri Bhoi	15.79	31.58	35.09	7.02	7.02	0	3.51	100%
3	West Khasi Hills	9.64	32.53	14.46	19.28	15.66	6.02	2.41	100%
4	South West Khasi Hills	5.88	35.29	23.53	8.82	11.76	5.88	8.82	100%
5	East Jaintia Hills	7.5	30	15	12.5	10	2.5	22.5	100%
6	West Jaintia Hills	0	37.14	25.71	22.86	8.57	5.71	0	100%
7	North Garo Hills	11.29	16.13	14.52	22.58	16.13	12.9	6.45	100%
8	East Garo Hills	0	16.13	33.87	16.13	17.74	11.29	4.84	100%
9	West Garo Hills	2.2	16.48	16.48	12.09	17.58	21.98	13.19	100%
10.	South West Garo Hills	1.89	11.32	20.75	16.98	24.53	9.43	15.09	100%
11	South Garo Hills	5.97	59.7	11.94	11.94	8.96	1.49	0	100%
	Meghalaya	7.13	27.91	20	15.04	13.64	8.37	7.91	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.

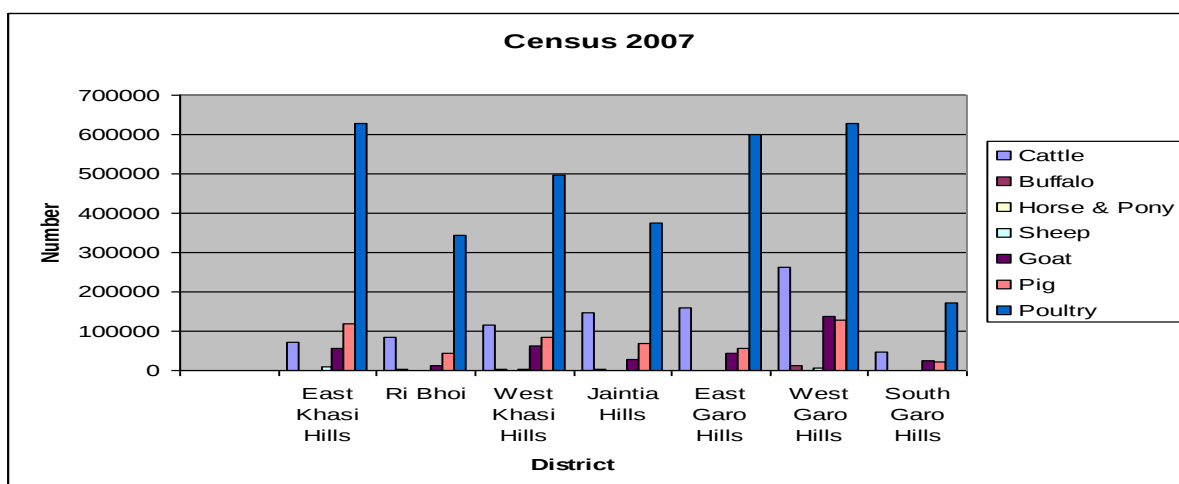
Sl. No.	Name of District	Sheep		Total Sheep	Total Goats	Total Horses & Ponies
		Crossbred	Indigenous			
1.	East Khasi Hills	3	8954	8957	56632	48
2.	Ri – Bhoi	-	116	116	13835	24
3.	West Khasi Hills	189	3327	3516	61786	1732
4.	Jaintia Hills	30	12	42	27005	33
5.	East Garo Hills	-	1260	1260	43652	0
6.	West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

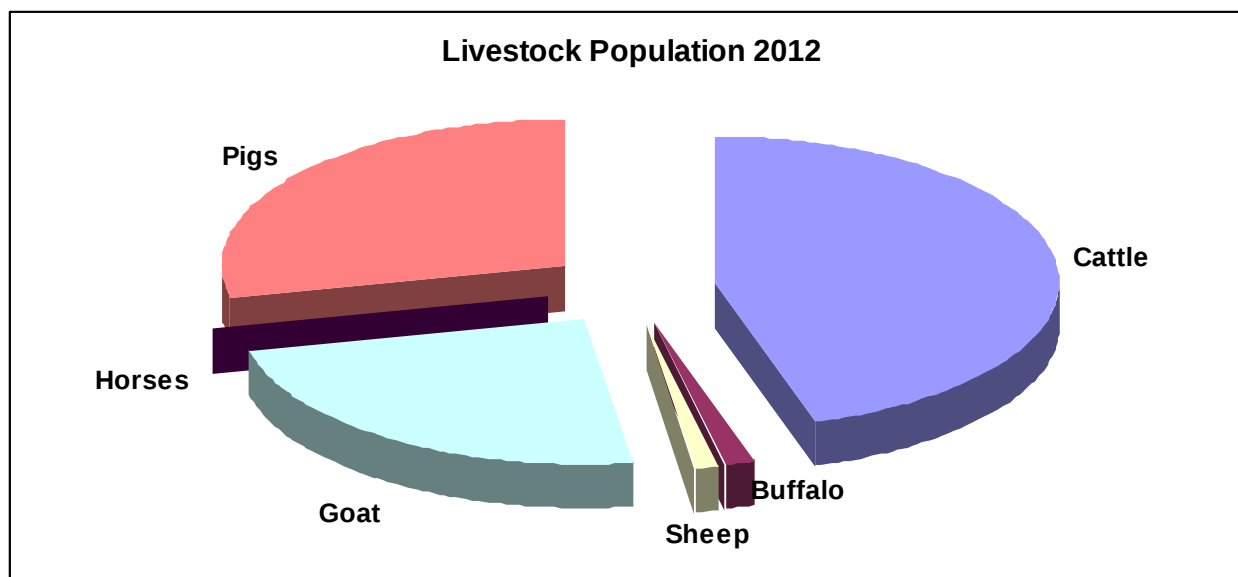
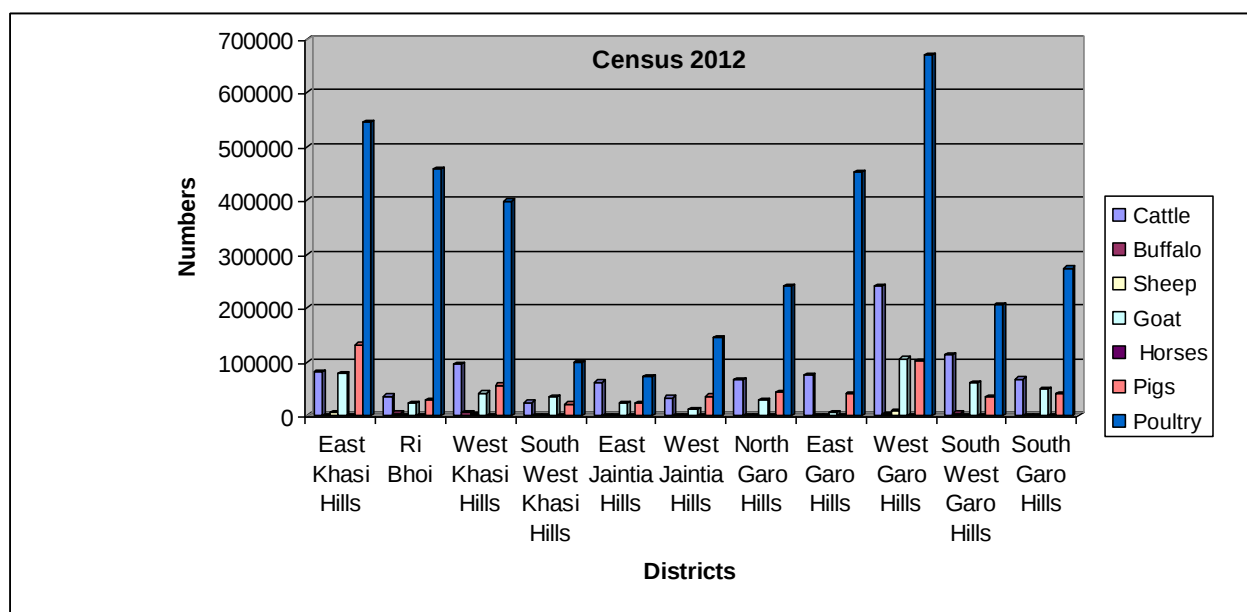


Table 2.4: Poultry Population.

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



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

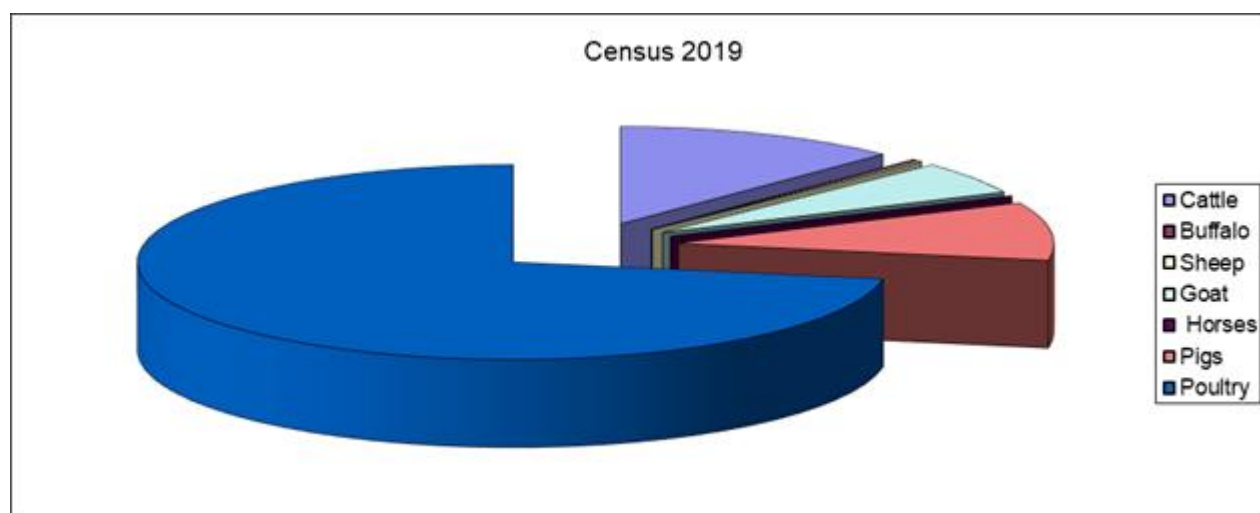


Table 2.5: Poultry Population.

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

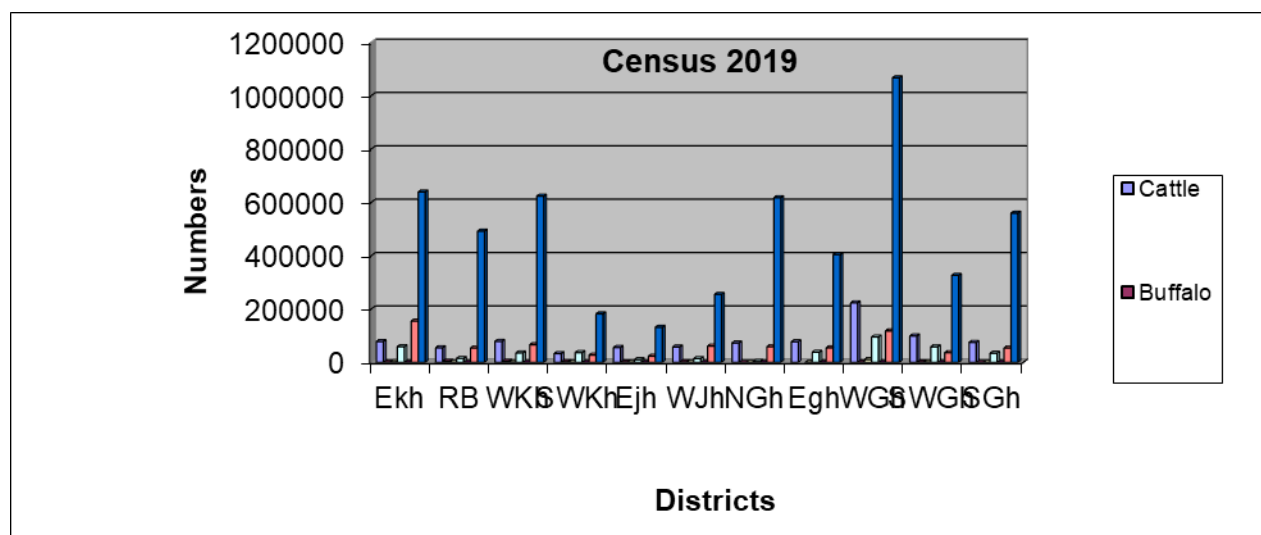
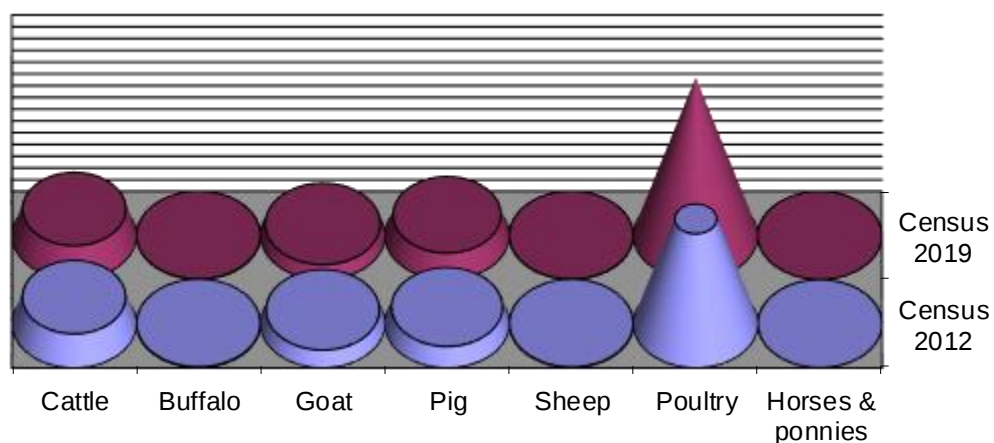


TABLE – 2.5: LIVESTOCK POPULATION: (as per 2012 & 2019 Census)

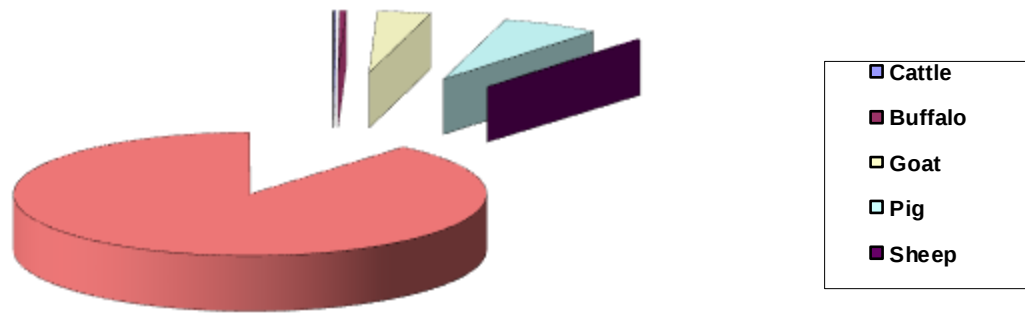
and Growth Rate as compared to 2012 Census

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

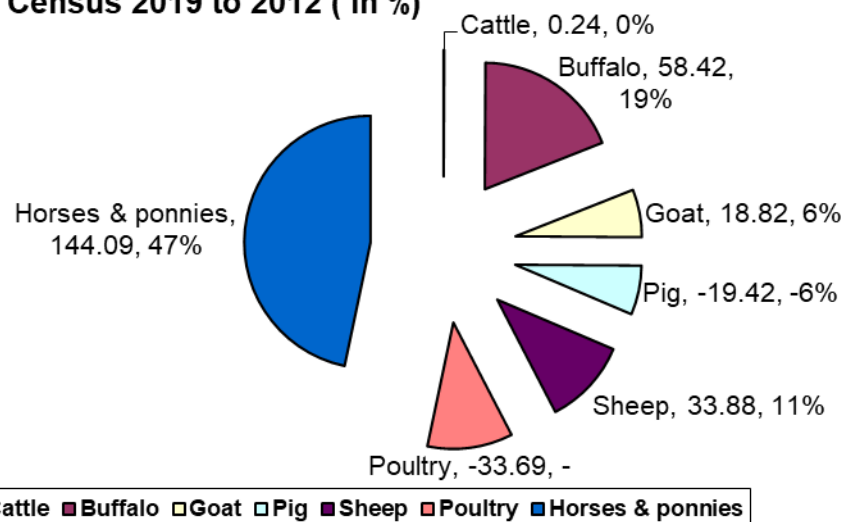
Comparison between census 2012 and census 2019



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 2020-21	Estimate Current Year 2021-22	% of Increase or Decrease over previous Year
I	Milk				
	Indigenous Cows				
	Population				
A	In Milk	00 No.	1240	1251	0.89%
B	Milch	00 No.	2423	2429	0.25%
	Yield per Day				
C	In Milk	Kgs.	0.785	0.788	0.38%
D	Milch	Kgs.	0.402	0.405	0.75%
E	Production	000 tonnes	35.55	35.97	1.18%
	Crossbred Cows				
	Population				
F	In Milk	00 Nos.	160	162	1.25%
G	Milch	00 Nos.	186	188	1.08%
	Yield per day				
H	In Milk	Kgs.	9.011	8.993	-0.2%
I	Milch	Kgs.	7.772	7.747	-0.32%
J	Production	000 tonnes	52.705	53.365	1.25%

Table 3.11 – contd.

Sl No.	Items	Unit	Estimates Previous Year 2020-21	Estimate Current Year 2021-22	% of Increase or Decrease over previous Year
	Buffalo Population				
K	In Milk	00 No.	12	13	8.33%
L	Milch	00 No.	25	25	0%
	Yield per Day				
M	In Milk	Kgs.	1.843	1.85	0.38%
N	Milch	Kgs.	0.959	0.959	0%
O	Production	000 tonnes	0.881	0.881	0%
	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	89.136	90.214	1.21%
II	Egg Production				
	Layers				
U	Desi	00 No.	9126	9193	0.73%
V	Improved	00 No.	723	713	-1.38%
W	Total	00 No.	9849	9906	0.58%
	Yield per layer per year				
X	Desi	No.	104	105	0.96%
Y	Improved	No.	214	215	0.47%
	Production				
Z	Desi	Lakhs Nos.	952.89	961.61	0.92%
Aa	Improved	“	154.97	153.04	-1.25%
Ab	Total	“	1107.86	1114.65	0.61%

Table 3.12 Annual Report on Sample Surveys to estimate production of Livestock products.
State: - Meghalaya.
2021-2022

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	37.45	35.48	39.01	37.37
	ii) Poultry	72.27	70.57	71.95	71.62
	iii) Sheep	0.47	3.12	1.72	1.75
	iv) Goat	11.37	17.09	19.81	16.14
	v) Pig	55.54	56.41	60.25	57.47
4. (a)	No. of households covered for Milk production (Cow, Buffalo and Goat)	501	607	676	1784
4. (b)	No. of animals observed for milk production				
	i) Cow in Milk.	1222	1061	1064	3347
	ii) Buffalo in Milk.	39	56	57	152
	iii) Goat in Milk.	0	0	0	0
5. (a)	No. of Households observed for egg production.	1092	1154	1128	3374
5. (b)	No. of Layers observed.				
	i) Desi & Improved	9362	7004	8177	24543
	.				

Table 3.12 – Contd.

Sl. No.	Items	Summer	Monsoon	Winter	Annual (Overall)
6. (a)	Estimated No. of Animals Slaughtered. '000' Nos.				
	i) Cattle	58.948	64.769	99.029	222.746
	ii) Buffalo	1.566	1.051	1.708	4.325
	iii) Sheep & Goat	21.864	67.646	49.433	138.943
	iv) Pig	74.257	80.101	115.546	269.904
	v) Poultry	618.169	478.231	903.102	1999.502

Table 3.13: District-wise Number of Villages selected for complete enumeration during the year 2021-22.

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
2021-2022

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	11874	6880	8138	8964
2.	Ri Bhoi	4710	5086	7168	5655
3	West Khasi Hills	11149	14368	15977	13831
4	South West Khasi Hills	4668	6155	6643	5822
5	East Jaintia Hills	8009	9085	12253	9782
6	West Jaintia Hills	3546	4919	2190	3552
7	North Garo Hills	10380	9943	14040	11454
8	East Garo Hills	8841	9361	10401	9534
9	West Garo Hills	34975	34975	30559	33503
10.	South West Garo Hills	15562	14903	15315	15260
11	South Garo Hills	7745	7928	7440	7704
	Meghalaya	121459	123603	130124	125061

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	5120	5145	5196	5154
2.	Ri Bhoi	5060	5075	5121	5085
3	West Khasi Hills	9266	9483	9614	9454
4	South West Khasi Hills	3541	3603	3634	3593
5	East Jaintia Hills	5632	5632	5705	5656
6	West Jaintia Hills	6534	6583	6730	6616
7	North Garo Hills	8111	7920	7888	7973
8	East Garo Hills	10497	9984	10086	10189
9	West Garo Hills	31218	30665	30251	30711
10.	South West Garo Hills	18420	19124	19353	18966
11	South Garo Hills	14201	14352	14657	14403
	Meghalaya	117600	117566	118235	117800

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	16994	12025	13334	14118
2.	Ri Bhoi	9770	10161	12289	10740
3	West Khasi Hills	20415	23851	25591	23286
4	South West Khasi Hills	8209	9758	10277	9415
5	East Jaintia Hills	13641	14717	17958	15439
6	West Jaintia Hills	10080	11502	8920	10167
7	North Garo Hills	18491	17863	21928	19427
8	East Garo Hills	19338	19345	20487	19723
9	West Garo Hills	66193	65640	60810	64214
10.	South West Garo Hills	33982	34027	34668	34226
11	South Garo Hills	21946	22280	22097	22108
	Meghalaya	239059	241169	248359	242863

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	6796	7125	8988	7636
2.	Ri Bhoi	7642	7760	6761	7388
3	West Khasi Hills	66	67	66	66
4	South West Khasi Hills	0	0	0	0
5	East Jaintia Hills	257	253	253	254
6	West Jaintia Hills	101	127	123	117
7	North Garo Hills	11	11	11	11
8	East Garo Hills	57	55	51	54
9	West Garo Hills	711	681	585	659
10.	South West Garo Hills	28	29	29	29
11	South Garo Hills	0	0	0	0
	Meghalaya	15669	16108	16867	16214

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	1421	1384	1359	1388
2.	Ri Bhoi	1034	900	923	952
3	West Khasi Hills	24	25	26	25
4	South West Khasi Hills	0	0	0	0
5	East Jaintia Hills	183	175	182	180
6	West Jaintia Hills	17	16	16	16
7	North Garo Hills	0	0	0	0
8	East Garo Hills	3	3	3	3
9	West Garo Hills	41	44	45	43
10.	South West Garo Hills	0	0	0	0
11	South Garo Hills	0	0	0	0
	Meghalaya	2723	2547	2554	2607

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

Sl. No.	Name of Districts	Milch Cows			
		Summer	Monsoon	Winter	Overall
1.	East Khasi Hills	8217	8509	10347	9024
2.	Ri Bhoi	8676	8660	7684	8340
3	West Khasi Hills	90	92	92	91
4	South West Khasi Hills	0	0	0	0
5	East Jaintia Hills	440	428	435	434
6	West Jaintia Hills	118	143	139	133
7	North Garo Hills	11	11	11	11
8	East Garo Hills	60	58	54	57
9	West Garo Hills	752	725	630	702
10.	South West Garo Hills	28	29	29	29
11	South Garo Hills	0	0	0	0
	Meghalaya	18392	18655	19421	18821

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

Sl. No.	Name of Districts	In Milk			
		Summer	Monsoon	Winter	Overall
1.	East Khasi Hills	65	70	56	64
2.	Ri Bhoi	336	325	242	301
3	West Khasi Hills	125	131	192	149
4	South West Khasi Hills	197	0	269	155
5	East Jaintia Hills	43	59	92	65
6	West Jaintia Hills	21	28	33	27
7	North Garo Hills	0	0	0	0
8	East Garo Hills	0	0	0	0
9	West Garo Hills	208	270	137	205
10.	South West Garo Hills	277	436	291	335
11	South Garo Hills	0	0	0	0
	Meghalaya	1272	1317	1312	1301

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

Sl. No.	Name of Districts	Dry			
		Summer	Monsoon	Winter	Overall
1.	East Khasi Hills	62	58	59	60
2.	Ri Bhoi	188	189	190	189
3	West Khasi Hills	171	172	169	171
4	South West Khasi Hills	277	280	133	230
5	East Jaintia Hills	56	58	58	57
6	West Jaintia Hills	52	53	53	53
7	North Garo Hills	0	0	0	0
8	East Garo Hills	0	0	0	0
9	West Garo Hills	130	129	134	131
10.	South West Garo Hills	273	275	274	274
11	South Garo Hills	0	0	0	0
	Meghalaya	1209	1214	1070	1165

Table 4.3 ©: Estimated Number of Productive Buffaloes.

Sl. No.	Name of Districts	Milch			
		Summer	Monsoon	Winter	Overall
1.	East Khasi Hills	127	128	115	124
2.	Ri Bhoi	524	514	432	490
3	West Khasi Hills	296	303	361	320
4	South West Khasi Hills	474	280	402	385
5	East Jaintia Hills	99	117	150	122
6	West Jaintia Hills	73	81	86	80
7	North Garo Hills	0	0	0	0
8	East Garo Hills	0	0	0	0
9	West Garo Hills	338	399	271	336
10.	South West Garo Hills	550	711	565	609
11	South Garo Hills	0	0	0	0
	Meghalaya	2481	2531	2382	2466

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	0.970	0.920	0.950	0.951
2.	Ri Bhoi	1.010	1.050	0.990	1.012
3	West Khasi Hills	0.850	0.840	0.860	0.85
4	South West Khasi Hills	0.820	0.830	0.800	0.816
5	East Jaintia Hills	0.740	0.750	0.790	0.763
6	West Jaintia Hills	0.740	0.750	0.770	0.753
7	North Garo Hills	0.720	0.760	0.750	0.742
8	East Garo Hills	0.730	0.750	0.750	0.743
9	West Garo Hills	0.740	0.760	0.750	0.75
10.	South West Garo Hills	0.730	0.740	0.750	0.74
11	South Garo Hills	0.720	0.730	0.750	0.733
	Meghalaya	0.781	0.787	0.796	0.788

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	0.678	0.526	0.58	0.604
2.	Ri Bhoi	0.487	0.526	0.577	0.533
3	West Khasi Hills	0.464	0.506	0.537	0.505
4	South West Khasi Hills	0.466	0.523	0.517	0.505
5	East Jaintia Hills	0.434	0.463	0.539	0.483
6	West Jaintia Hills	0.260	0.321	0.189	0.263
7	North Garo Hills	0.404	0.423	0.48	0.437
8	East Garo Hills	0.334	0.363	0.381	0.359
9	West Garo Hills	0.391	0.405	0.377	0.391
10.	South West Garo Hills	0.334	0.324	0.331	0.330
11	South Garo Hills	0.254	0.26	0.253	0.255
	Meghalaya	0.397	0.404	0.417	0.405

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	9.020	9.080	8.990	9.017
2.	Ri Bhoi	9.070	9.100	9.050	9.079
3	West Khasi Hills	8.450	8.450	8.430	8.487
4	South West Khasi Hills	0.000	0.000	0.000	0.000
5	East Jaintia Hills	8.830	8.820	8.850	8.845
6	West Jaintia Hills	8.830	8.830	8.850	8.824
7	North Garo Hills	8.750	8.740	8.760	8.750
8	East Garo Hills	8.730	8.750	8.750	8.773
9	West Garo Hills	8.470	8.620	8.500	8.535
10.	South West Garo Hills	8.450	8.650	8.460	8.327
11	South Garo Hills	0.000	0.000	0.000	0
	Meghalaya	9.010	9.058	8.915	8.993

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	7.460	7.603	7.809	7.630
2.	Ri Bhoi	7.989	8.154	7.962	8.043
3	West Khasi Hills	6.197	6.154	6.048	6.155
4	South West Khasi Hills	0.000	0.000	0.000	0.000
5	East Jaintia Hills	5.158	5.214	5.147	5.177
6	West Jaintia Hills	7.558	7.811	7.831	7.762
7	North Garo Hills	8.750	8.740	8.760	8.750
8	East Garo Hills	8.293	8.222	8.264	8.311
9	West Garo Hills	8.003	8.097	7.893	8.012
10.	South West Garo Hills	8.299	8.650	8.314	8.327
11	South Garo Hills	0.000	0.000	0.000	0.000
	Meghalaya	7.676	7.822	7.743	7.747

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

Sl. No.	Name of Districts	In Milk			
		Summer	Monsoon	Winter	Overall
1.	East Khasi Hills	1.840	1.850	1.870	1.845
2.	Ri Bhoi	1.850	1.850	1.870	1.859
3	West Khasi Hills	1.840	1.850	1.900	1.868
4	South West Khasi Hills	1.850	0.000	1.860	0.000
5	East Jaintia Hills	1.830	1.860	1.860	1.839
6	West Jaintia Hills	1.840	1.840	1.870	1.873
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	1.860	1.850	1.850	1.855
10.	South West Garo Hills	1.840	1.850	1.900	1.866
11	South Garo Hills	0.000	0.000	0.000	0.000
	Meghalaya	1.845	1.846	1.840	1.850

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	0.962	1.002	0.860	0.943
2.	Ri Bhoi	1.193	1.139	1.239	1.188
3	West Khasi Hills	0.811	0.758	1.193	0.913
4	South West Khasi Hills	0.000	0.000	0.000	0.000
5	East Jaintia Hills	0.834	0.945	1.036	0.946
6	West Jaintia Hills	0.550	0.671	0.623	0.618
7	North Garo Hills	0.000	0.000	0.000	0.000
8	East Garo Hills	#DIV/0!	0.000	0.000	0.000
9	West Garo Hills	1.157	1.265	0.494	0.929
10.	South West Garo Hills	0.958	1.144	0.697	0.933
11	South Garo Hills	0.000	0.000	0.000	0.000
	Meghalaya	0.971	0.960	0.947	0.959

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

Sl. No.	Name of Districts	Summer	Monsoon	Winter	Overall
1.	East Khasi Hills	1.405	0.779	0.928	3.112
2.	Ri Bhoi	0.580	0.657	0.851	2.089
3	West Khasi Hills	1.156	1.484	1.649	4.291
4	South West Khasi Hills	0.467	0.628	0.638	1.734
5	East Jaintia Hills	0.723	0.838	1.162	2.724
6	West Jaintia Hills	0.320	0.454	0.202	0.976
7	North Garo Hills	0.912	0.929	1.264	3.102
8	East Garo Hills	0.787	0.864	0.936	2.586
9	West Garo Hills	3.157	3.269	2.750	9.171
10.	South West Garo Hills	1.386	1.356	1.378	4.122
11	South Garo Hills	0.680	0.712	0.670	2.061
	Meghalaya	11.575	11.971	12.428	35.968

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

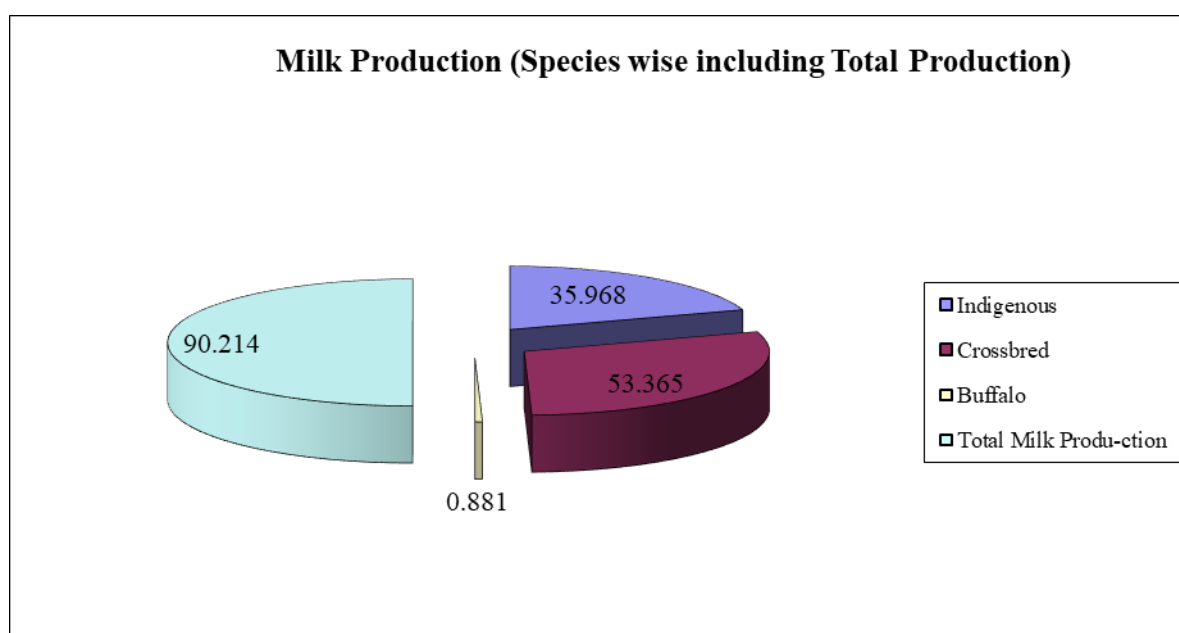
Sl. No.	Name of Districts	Summer	Monsoon	Winter	Overall
1.	East Khasi Hills	7.478	7.957	9.696	25.131
2.	Ri Bhoi	8.456	8.685	7.342	24.483
3	West Khasi Hills	0.068	0.070	0.067	0.204
4	South West Khasi Hills	0.000	0.000	0.000	0.000
5	East Jaintia Hills	0.277	0.274	0.269	0.820
6	West Jaintia Hills	0.109	0.137	0.131	0.377
7	North Garo Hills	0.012	0.012	0.012	0.035
8	East Garo Hills	0.061	0.059	0.054	0.173
9	West Garo Hills	0.734	0.722	0.597	2.053
10.	South West Garo Hills	0.028	0.031	0.029	0.088
11	South Garo Hills	0.000	0.000	0.000	0.000
	Meghalaya	17.223	17.947	18.195	53.365

Table 4.9: Milk Production- Buffaloes (Tonnes).

Sl. No.	Name of Districts	Summer	Monsoon	Winter	Overall
1.	East Khasi Hills	0.015	0.016	0.012	0.043
2.	Ri Bhoi	0.076	0.074	0.054	0.204
3	West Khasi Hills	0.028	0.030	0.044	0.101
4	South West Khasi Hills	0.044	0.000	0.060	0.105
5	East Jaintia Hills	0.010	0.013	0.021	0.044
6	West Jaintia Hills	0.005	0.006	0.007	0.018
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	0.047	0.061	0.030	0.139
10.	South West Garo Hills	0.062	0.099	0.066	0.228
11	South Garo Hills	0.000	0.000	0.000	0.000
	Meghalaya	0.286	0.300	0.295	0.881

Table 4.10: Total Milk Production in the State. ('000' Tonnes) 2021-22

Sl. No	Name of Districts	Cow's Milk			Buffalo	Total Milk Production	Previous Years Production 2021-2022	% Increase or Decrease over 2020-21
		Indigenous	Crossbred	Total				
1.	East Khasi Hills	3.112	25.131	28.243	0.043	28.286	28.016	0.96%
2.	Ri Bhoi	2.089	24.483	26.572	0.204	26.776	26.210	2.16%
3.	West Khasi Hills	4.291	0.204	4.495	0.101	4.596	4.566	0.66%
4.	South West Khasi Hills	1.734	0.000	1.734	0.105	1.839	1.836	0.16%
5.	East Jaintia Hills	2.724	0.820	3.544	0.044	3.588	3.593	-0.14%
6.	West Jaintia Hills	0.976	0.377	1.353	0.018	1.371	1.385	-1.01%
7.	North Garo Hills	3.102	0.035	3.137	0.000	3.137	3.104	1.06%
8.	East Garo Hills	2.586	0.173	2.759	0.000	2.759	2.711	1.77%
9.	West Garo Hills	9.171	2.053	11.224	0.139	11.363	11.296	0.59%
10.	South West Garo Hills	4.122	0.088	4.210	0.228	4.438	4.404	0.77%
11.	South Garo Hills	2.061	0.000	2.061	0.000	2.061	2.015	2.28%
	Meghalaya	35.968	53.365	89.333	0.881	90.214	89.136	1.21%



**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

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

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%

Chapter – 5

District-wise & Season-wise Estimates

Egg Production

**Table 5.1 (a): District-wise and Season-Wise Estimated No. of Poultry (Fowls), 2021-22
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	1318	1051	984	275	362	635	727	473	1894	428	608	8753
Monsoon	1745	1171	930	236	292	642	734	525	1515	432	617	8839
Winter	2048	1176	854	236	512	764	862	768	1234	424	650	9527
Over All	1707	1133	923	247	390	681	769	590	1539	432	622	9033
<u>Improved</u>												
Summer	182	149	60	0	40	75	19	77	31	173	0	805
Monsoon	182	151	70	0	39	44	18	90	33	55	3	686
Winter	178	146	62	0	26	47	19	100	32	33	3	647
Over All	181	148	64	0	35	55	18	89	32	87	2	713
<u>Total</u>												
Summer	1500	1200	1045	275	401	709	745	550	1925	600	608	9558
Monsoon	1927	1321	1000	236	331	686	752	615	1548	487	620	9524
Winter	2227	1322	916	236	539	811	881	868	1266	457	653	10174
Over All	1888	1281	987	247	425	737	788	679	1572	519	624	9746

Table 5.1(b): District-wise and Season-wise Estimated No. of Poultry (Ducks) 2021-22.
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	22	10	0	1	1	5	0	1	124	32	0	197
Monsoon	8	3	0	1	1	2	3	1	99	15	3	136
Winter	14	2	0	0	0	1	0	0	98	17	0	132
Over All	15	5	0	0	1	3	1	1	106	21	1	153
<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	22	10	0	1	1	5	0	1	124	32	0	197
Monsoon	8	3	0	1	1	2	3	1	99	15	3	136
Winter	14	2	0	0	0	1	0	0	98	17	0	132
Over All	15	5	0	0	1	3	1	1	106	21	1	153

Table 5.2 (a): District-wise and Season-Wise Estimated Yield per Layer (Fowls) 2021-22.

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	36	35	34	34	35	34	35	36	35	34	35
Monsoon	36	36	34	34	34	34	34	34	36	33	34	35
Winter	35	35	34	34	34	34	34	34	35	35	34	35
Over All	106	107	103	102	102	103	102	103	107	103	102	105
<u>Improved</u>												
Summer	74	74	70	0	72	71	70	70	72	72	0	72
Monsoon	73	74	68	0	69	70	68	71	70	69	68	71
Winter	72	73	68	0	70	68	66	71	72	68	68	71
Over All	219	221	206	0	211	209	204	212	214	209	136	215
<u>Total</u>												
Summer	40	41	37	34	38	39	35	40	37	46	34	38
Monsoon	39	40	36	34	38	36	35	39	37	37	34	38
Winter	38	39	36	34	36	36	35	38	36	37	34	37
Over All	117	120	110	102	112	111	104	118	109	120	102	113

Table 5.2(b): District-wise and Season-wise Estimated Yield per Layer (Ducks) 2021-22.

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	36	0	34	34	35	0	35	36	35	0	36
Monsoon	36	36	0	34	34	34	17	34	36	34	34	35
Winter	35	35	0	0	0	34	0	0	35	35	0	35
Over All	105	108	0	68	68	104	17	70	108	104	34	103
<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	36	0	34	34	35	0	35	36	35	0	36
Monsoon	36	36	0	34	34	34	17	34	36	34	34	35
Winter	35	35	0	0	0	34	0	0	35	35	0	35
Over All	105	108	0	68	68	104	17	70	108	104	34	103

Table 5.3(a): District-wise and Season-Wise Estimated Egg Production (Fowls) 2021-22.
(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	46.13	37.84	34.44	9.35	12.31	22.23	24.72	16.56	68.18	14.98	20.67	307.41
Monsoon	62.82	42.16	31.62	8.02	9.93	21.83	24.96	17.85	54.54	14.26	20.98	308.97
Winter	71.68	41.16	29.04	8.02	17.41	25.98	29.31	26.11	43.19	14.84	22.1	328.84
Over All	180.63	121.16	95.1	25.39	39.65	70.04	78.99	60.52	165.91	44.08	63.75	945.22
<u>Improved</u>												
Summer	13.47	11.03	4.2	0	2.88	5.33	1.33	5.39	2.23	12.46	0	58.32
Monsoon	13.29	11.17	4.76	0	2.69	3.08	1.22	6.39	2.31	3.8	0.2	48.91
Winter	12.82	10.66	4.22	0	1.82	3.2	1.25	7.1	2.3	2.24	0.2	45.81
Over All	39.58	32.86	13.18	0	7.39	11.61	3.8	18.88	6.84	18.5	0.4	153.04
<u>Total</u>												
Summer	59.6	48.87	38.64	9.35	15.19	27.56	26.05	21.95	70.41	27.44	20.67	365.73
Monsoon	76.11	53.33	36.38	8.02	12.62	24.91	26.18	24.24	56.85	18.06	21.18	357.88
Winter	84.5	51.82	33.26	8.02	19.23	29.18	30.56	33.21	45.49	17.08	22.3	374.65
Over All	220.21	154.02	108.28	25.39	47.04	81.65	82.79	79.4	172.75	62.58	64.15	1098.26

Table 5.3(b): District-wise and Season-wise Estimated Egg production (Ducks) 2021-22.
(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	0.77	0.36	0	0.03	0.03	0.18	0	0.04	4.46	1.12	0	6.99
Monsoon	0.29	0.11	0	0.03	0.03	0.07	0.05	0.03	3.56	0.51	0.1	4.78
Winter	0.49	0.07	0	0	0	0.03	0	0	3.43	0.6	0	4.62
Over All	1.55	0.54	0	0.06	0.06	0.28	0.05	0.07	11.45	2.23	0.1	16.39
<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	0.77	0.36	0	0.03	0.03	0.18	0	0.04	4.46	1.12	0	6.99
Monsoon	0.29	0.11	0	0.03	0.03	0.07	0.05	0.03	3.56	0.51	0.1	4.78
Winter	0.49	0.07	0	0	0	0.03	0	0	3.43	0.6	0	4.62
Over All	1.55	0.54	0	0.06	0.06	0.28	0.05	0.07	11.45	2.23	0.1	16.39

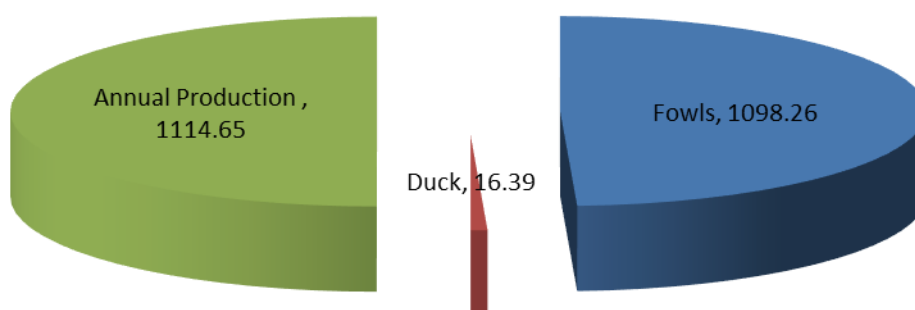
Table 5.4 (a): Estimated Total Egg production. (Lakhs Numbers) 2021-22.

Sl No.	Name of Districts	Summer		Monsoon		Winter	
		Fowls	Duck	Fowls	Duck	Fowls	Duck
1.	East Khasi Hills	59.6	0.77	76.11	0.29	84.5	0.49
2.	Ri Bhoi	48.87	0.36	53.33	0.11	51.82	0.07
3	West Khasi Hills	38.64	0	36.38	0	33.26	0
4	South West Khasi Hills	9.35	0.03	8.02	0.03	8.02	0
5	East Jaintia Hills	15.19	0.03	12.62	0.03	19.23	0
6	West Jaintia Hills	27.56	0.18	24.91	0.07	29.18	0.03
7	North Garo Hills	26.05	0	26.18	0.05	30.56	0
8	East Garo Hills	21.95	0.04	24.24	0.03	33.21	0
9	West Garo Hills	70.41	4.46	56.85	4.46	45.49	3.43
10.	South West Garo Hills	27.44	1.12	18.06	0.51	17.08	0.6
11	South Garo Hills	20.67	0	21.18	0.1	22.3	0
	Meghalaya	365.73	6.99	357.88	4.78	374.65	4.62

Table 5.4 (b): Estimated Total Egg production. (Lakhs Numbers) 2021-22.

Sl No.	Name of Districts	Total egg		Annual Production Current Year 2021-22	Annual Production Previous Year 2020-21	Percentage Increase or Decrease over the Previous year
		Fowls	Duck			
1.	East Khasi Hills	220.21	1.55	221.76	220.26	0.68%
2.	Ri Bhoi	154.02	0.54	154.56	154.82	-0.17%
3	West Khasi Hills	108.28	0	108.28	107.62	0.61%
4	South West Khasi Hills	25.39	0.06	25.45	25.04	1.64%
5	East Jaintia Hills	47.04	0.06	47.1	46.93	0.36%
6	West Jaintia Hills	81.65	0.28	81.93	81.29	0.79%
7	North Garo Hills	82.79	0.05	82.84	82.53	0.38%
8	East Garo Hills	79.4	0.07	79.47	78.67	1.02%
9	West Garo Hills	172.75	11.45	184.2	182.34	1.02%
10.	South West Garo Hills	62.58	2.23	64.81	64.28	0.82%
11	South Garo Hills	64.15	0.1	64.25	64.06	0.3%
	Meghalaya	1098.26	16.39	1114.65	1107.84	0.61%

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

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%

Chapter – 6

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

2021-22

Table 6.1: Utilisation of Milk.

Season	Sold as fluid Milk	Converted into Milk products	Consumed as Fluid Milk in the Household	Total
Summer	94.72	1.09	4.19	100
Monsoon	92.19	1.80	6.01	100
Winter	89.82	1.82	8.36	100
Overall	92.81	1.48	5.71	100

Table 6.2: Percentage Utilization of Produced Eggs.

Season	Utilisation for Home consumption	Set for Hatching	Egg Sold	Damaged or spoiled	Total
Summer	6.37	18.23	73.41	1.99	100
Monsoon	18.26	11.56	66.18	3.99	100
Winter	15.89	10.56	70.01	3.55	100
Overall	15.91	11.77	68.75	3.58	100

Table 6.3: Season wise Utilisation rate of Dung collected From Bovine at Sample Household 2021-22.

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	96.69	2.09	1.22	100.00%
2.	Monsoon.	Percentage	95.89	2.82	1.29	100.00%
3.	Winter	Percentage	96.16	2.51	1.33	100.00%
	Over-All	Percentage	96.28	2.45	1.28	100.00%

Table 6.4: Per Capita availability of Milk and Egg

Items	Unit	Per Capita Availability
Milk	Grams / day	74
Eggs	Nos. / year	33

Table 6.5: Season wise Percentage of Animals which were Grazed, Stallfed or Both. 2021-22

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	61.25	11.89	26.86	100.00	62.5	12.5	25	100.00	65.2	13.2	21.6	100.00
	b) Adult Male	67.23	14.17	18.6	100.00	58	15	27	100.00	60.2	14.3	25.5	100.00
	c) Young Stock upto 3 years	42.76	10.98	46.26	100.00	64	15	21	100.00	66.5	16.5	17	100.00
	Overall :-				0.00				0.00				0.00
1.2	CROSS BRED												
	a) Adult Female	15.52	61.49	22.99	100.00	17.4	74.3	8.3	100.00	15.4	75.3	9.3	100.00
	b) Adult Male	22.73	59.09	18.18	100.00	13.2	78.2	8.6	100.00	14.5	79.5	6	100.00
	c) Young Stock upto 3 years	2.38	64.29	33.33	100.00	16.4	77.5	6.1	100.00	16.4	75.5	8.1	100.00
	Overall :-				0.00				0.00				0.00
2	BUFFALOES												
	a) Adult Female	93.57	0	6.43	100.00	93.57	0	6.43	100.00	95.57	0	4.43	100.00
	b) Adult Male	92.74	0	7.26	100.00	92.74	0	7.26	100.00	93.67	0	6.33	100.00
	c) Young Stock upto 3 years	87.83	0	12.17	100.00	87.83	0	12.17	100.00	89.67	0	10.33	100.00
	Overall :-				0.00				0.00				0.00

Table 6.6: Distributions of Animals as per the feeding practices observed in the selected households

Name of State: Meghalaya, Year- 2021-22

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/ NonDescript)																
	a) Adult Female	5.12	6.82	4.87	5.63	2.40	3.08	2.93	2.85	1.80	0.00	0.00	0.44	1359	1971	2176	5506
	b) Adult Male	4.35	4.51	4.32	4.38	2.18	2.44	2.50	2.38	0.00	0.00	0.00	0.00	910	848	1098	2856
	c) Young Stock upto 3 years	3.50	3.49	3.09	3.36	0.00	1.07	0.98	0.72	0.00	0.00	0.00	0.00	1260	1492	1436	4188
	d) Overall (%)	26.62	39.05	34.34	100.00	20.57	38.16	41.27	100.00	100.00	0.00	0.00	100.00	3529	4311	4710	12550
2	Cattle (Exotic/ Cross-bred)																
	a) Adult Female	19.26	18.45	10.17	16.27	6.12	6.78	17.83	9.89	5.10	3.66	0.00	3.22	810	334	516	1660
	b) Adult Male	16.82	15.63	8.95	11.79	4.93	6.09	16.78	12.38	3.40	2.08	0.00	1.07	32	32	100	164
	c) Young Stock upto 2 & 1/2 years	13.55	13.55	8.12	10.82	3.14	2.79	15.63	9.33	1.40	1.17	0.00	0.64	160	172	336	668
	d) Overall (%)	50.61	24.86	24.52	100.00	22.75	11.91	65.34	100.00	74.97	25.03	0.00	100.00	1002	538	952	2492
3	Buffalo																
	a) Adult Female	4.15	4.54	4.34	4.34	2.10	1.66	1.80	1.85	0.00	0.00	0.00	0.00	91	87	97	275
	b) Adult Male	3.40	3.95	3.30	3.52	1.92	0.00	1.66	1.29	0.00	0.00	0.00	0.00	89	66	77	232
	c) Young Stock upto 3 years	1.30	2.21	1.85	1.83	1.33	0.00	1.47	0.80	0.00	0.00	0.00	0.00	77	101	58	236
	d) Overall (%)	31.96	35.99	32.05	100.00	46.60	14.49	38.91	100.00	0.00	0.00	0.00	0.00	257	254	232	743

Source: LPS- 1.2. Block-II

Meat Production – 2021-22

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.	28610	5981	5451	2101	1404	3851	772	1357	5948	1367	2106	58948	47104	11844
(b)	Buffaloes.	224	162	0	0	537	142	0	40	424	37	0	1566	1566	
©	Pig	29995	7257	4929	2428	3255	7706	1778	1868	6888	1368	6785	74257	64651	9606
(d)	Sheep & Goat	8940	1110	247	352	2704	1692	122	1349	2839	1053	1456	21864	15192	6672
(e)	Poultry.	347597	41882	36376	11820	20646	58053	8269	14614	59594	6615	12703	618169	584568	33601
	<u>MONSOON</u>														
(a)	Cattle.	19920	6050	7746	1756	1724	8653	1683	2069	9449	2090	3629	64769	57595	7174
(b)	Buffaloes.	0	126	0	0	342	161	0	32	363	27	0	1051	1051	
©	Pig.	24070	6314	5828	2625	2034	10683	8102	2651	10129	1807	5858	80101	56801	23300
(d)	Sheep & Goat	11957	31042	501	13340	921	1796	215	1417	4508	745	1204	67646	66068	1578
(e)	Poultry.	206694	30867	21743	47873	12433	66360	7638	12392	53371	5722	13138	478231	446838	31393
	<u>WINTER</u>														
(a)	Cattle.	48839	9363	9879	2418	2724	8307	949	2458	8199	2241	3652	99029	90457	8572
(b)	Buffaloes.	238	162	0	0	598	105	0	27	553	25	0	1708	1708	
©	Pig.	51772	9577	7745	2954	4657	13807	2258	2811	10867	1747	7351	115546	83896	31650
(d)	Sheep & Goat	16933	3252	438	11693	4484	2142	244	2074	4679	1228	2266	49433	46952	2481
(e)	Poultry.	532349	57667	34543	17779	25289	109447	12238	19170	64922	9608	20090	903102	844043	59059

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	97.37	21.39	23.08	6.28	5.85	20.81	3.4	5.88	23.6	5.7	9.39	222.75	195.16	27.59
2.	Buffaloes	0.46	0.45	0	0	1.48	0.41	0	0.1	1.34	0.09	0	4.33	4.33	0
3.	Pig	105.84	23.15	18.5	8.01	9.95	32.2	12.14	7.33	27.88	4.92	19.99	269.91	205.35	64.56
4.	Sheep & Goat	37.83	35.40	1.19	25.39	8.11	5.63	0.58	4.84	12.03	3.03	4.93	138.96	128.23	10.73
5.	Poultry	1086.64	130.42	92.66	77.47	58.37	233.86	28.15	46.18	177.89	21.95	45.93	1999.52	1875.47	124.05

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.	89.89	89.79	89.76	89.88	89.67	89.78	88.80	88.70	88.90	88.78	88.94	89.61
(b)	Buffaloes.	118.00	118.00	0.00	0.00	118.00	117.00	0.00	117.00	118.00	118.00	0.00	118.00
(c)	Pig.	46.84	46.26	47.02	44.42	46.77	47.33	41.98	42.53	42.53	43.31	42.55	45.68
(d)	Sheep & Goat.	9.43	9.17	9.60	9.45	9.50	9.53	9.55	9.40	9.57	9.59	9.61	9.47
(e)	Poultry.	1.39	1.40	1.37	1.39	1.36	1.38	1.32	1.33	1.35	1.34	1.34	1.38
	<u>MONSOON</u>												
(a)	Cattle.	89.92	89.85	89.85	89.88	89.67	89.81	88.33	88.91	89.05	88.20	89.05	89.58
(b)	Buffaloes.	0.00	118.00	0.00	0.00	118.00	118.00	0.00	119.00	118.00	119.00	0.00	118.00
(c)	Pig.	46.50	46.77	47.66	47.59	47.37	47.04	42.46	42.56	42.18	42.64	42.56	45.27
(d)	Sheep & Goat.	9.20	9.21	9.37	9.51	9.56	9.48	9.40	9.62	9.39	9.48	9.60	9.31
(e)	Poultry.	1.40	1.38	1.38	1.40	1.38	1.39	1.32	1.33	1.35	1.34	1.35	1.38
	<u>WINTER</u>												
(a)	Cattle.	92.01	91.06	91.73	91.08	90.44	90.23	89.40	89.99	90.04	90.01	89.78	91.31
(b)	Buffaloes.	118.00	118.00	0.00	0.00	118.00	118.00	0.00	119.00	118.00	119.00	0.00	118.00
(c)	Pig.	46.40	46.46	47.34	46.98	47.40	47.06	42.25	42.32	42.89	42.57	42.03	45.76
(d)	Sheep & Goat.	9.54	9.61	9.67	9.51	9.61	9.51	9.55	9.49	9.63	9.72	10.04	9.58
(e)	Poultry.	1.37	1.40	1.40	1.40	1.39	1.38	1.38	1.39	1.38	1.39	1.39	1.38

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

Sl No.	Name of Districts	Cattle	Buffaloes	Pigs	Sheep & Goat	Poultry
1	2	3	4	5	6	7
1.	East Khasi Hills	90.61	118.00	46.58	9.39	1.39
2.	Ri – Bhoi	90.23	118.00	46.50	9.33	1.39
3.	West Khasi Hills	90.45	0.00	47.34	9.55	1.38
4	South West Khasi Hills	90.28	0.00	46.33	9.49	1.40
5	East Jaintia Hills	89.93	118.00	47.18	9.56	1.38
6	West Jaintia Hills	89.94	117.67	47.14	9.51	1.38
7	North Garo Hills	88.84	0.00	42.23	9.50	1.34
8	East Garo Hills	89.20	118.33	42.47	9.50	1.35
9	West Garo Hills	89.33	118.00	42.53	9.53	1.36
10	South West Garo Hills	89.00	118.67	42.84	9.60	1.36
11	South Garo Hills	89.26	0.00	42.38	9.75	1.36
	Meghalaya	90.17	118.00	45.57	9.45	1.38

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.	2400	498	671	145	155	498	132	126	622	152	279	5678	4617	1061
2.	Buffaloes	14	18	0	0	36	6	0	4	46	4	0	128	128	0
3.	Pigs	1405	336	232	108	152	365	75	79	293	59	289	3393	2954	439
4.	Sheep &Goat.	84	10	2	3	26	16	1	13	27	10	14	206	143	63
5.	Poultry.	483	59	50	16	28	80	11	19	80	9	17	852	806	46
	TOTAL	4386	921	955	272	397	965	219	241	1068	234	599	10257	8648	1609
	<u>MONSOON</u>														
1.	Cattle.	1791	544	696	158	155	777	149	184	841	184	323	5802	5159	643
2.	Buffaloes	0	15	0	0	40	19	0	4	43	3	0	124	124	0
3.	Pigs	1119	295	278	125	96	503	344	113	427	77	249	3626	2571	1055
4.	Sheep &Goat.	110	286	5	127	9	17	2	14	42	7	12	631	616	15
5.	Poultry.	289	43	30	67	17	92	10	17	72	8	18	663	620	43
	TOTAL	3309	1183	1009	477	317	1408	505	332	1425	279	602	10846	9090	1756
	<u>WINTER</u>														
1.	Cattle.	4494	853	906	220	246	750	85	221	738	202	328	9043	8260	783
2.	Buffaloes	19	0	0	71	12	0	3	66	3	0	28	202	202	0
3.	Pigs	2402	445	367	139	221	650	95	119	466	74	309	5287	3839	1448
4.	Sheep &Goat.	161	31	4	111	43	20	2	20	45	12	23	472	448	24
5.	Poultry.	731	81	48	25	35	151	17	27	89	13	28	1245	1163	82
	TOTAL	7807	1410	1325	566	557	1571	202	453	1341	301	716	16249	13912	2337
	OVERALL	15502	3514	3289	1315	1271	3944	926	1026	3834	814	1917	37352	31650	5702

7.6: District-wise & Category-wise Meat Production

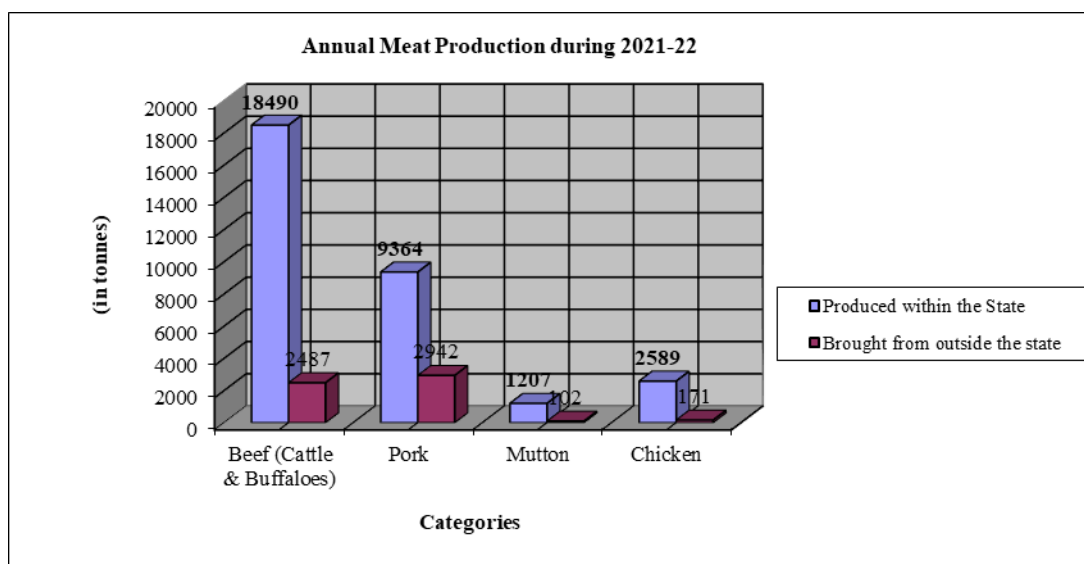
Sl No	Particulars	East Khasi Hills	Ri-Bhoi	West Khasi Hills	South West Khasi Hills	East Jaintia Hills	West Jaintia Hills	North Garo Hills	East Garo Hills	West Garo Hills	South West Garo Hills	South Garo Hills	Total	Source	
														Within the State	Brought from outside the State
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
1.	Cattle	8685	1895	2273	523	556	2025	366	531	2201	538	930	20523	18036	2487
2	Buffaloes	33	33	0	71	88	25	3	74	92	7	28	454	454	0
3.	Pig	4926	1076	877	372	469	1518	514	311	1186	210	847	12306	9364	2942
4.	Sheep & Goat	355	327	11	241	78	53	5	47	114	29	49	1309	1207	102
5.	Poultry	1503	183	128	108	80	323	38	63	241	30	63	2760	2589	171
	TOTAL	15502	3514	3289	1315	1271	3944	926	1026	3834	814	1917	37352	31650	5702

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 2021-22	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	8685	33	8718	4926	355	1503	15502	41.5 %
2.	Ri – Bhoi	1895	33	1928	1076	327	183	3514	9.41 %
3.	West Khasi Hills	2273	0	2273	877	11	128	3289	8.81 %
4	South West Khasi Hills	523	71	594	372	241	108	1315	3.52 %
5	East Jaintia Hills	556	88	644	469	78	80	1271	3.4 %
6	West Jaintia Hills	2025	25	2050	1518	53	323	3944	10.56 %
7	North Garo Hills	366	3	369	514	5	38	926	2.48 %
8	East Garo Hills	531	74	605	311	47	63	1026	2.75 %
9	West Garo Hills	2201	92	2293	1186	114	241	3834	10.26 %
10	South West Garo Hills	538	7	545	210	29	30	814	2.18 %
11	South Garo Hills	930	28	958	847	49	63	1917	5.13 %
	State (Overall)	20523	454	20977	12306	1309	2760	37352	100 %
	Percentage Contribution of each species to total production	54.94%	1.22%	56.16%	32.95%	3.5%	7.39%	100%	

Table 7.8: Growth Rate & Total Meat production.

Sl No.	Items	Annual Meat Production (in tones)						Percentage Increase (+) or Decrease (-) over previous year
		2021-22			2020-21			
		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)	18490	2487	20977	19524	1795	21319	(-) 1.6%
2	Pork	9364	2942	12306	12198	702	12900	(-) 4.6%
3	Mutton	1207	102	1309	1020	33	1053	(+) 24.31%
4	Chicken	2589	171	2760	3939	46	3985	(-) 30.74%
5	Total	31650	5702	37352	36681	2576	39257	(-) 4.85%



7.9: Per Capita Availability of Meat Grams / Day 2021-22

Items	Per Capita Availability
Beef	17.19
Pork	10.09
Mutton	1.07
Chicken	2.26
Total	30.62

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

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

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

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





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E-mail-ID: meghvety@gmail.com