

Swine Industry Profile of Eastern Shan State in Myanmar

Dr Kyaw Kyaw Soe
 Livestock Breeding and Veterinary Department
 Ministry of Agriculture Livestock and Irrigation
 The Republic of Union of Myanmar

A.89

Country Profile



National Production, Consumption and Investment

(At 2005-2006 Constant Producers' Prices for 2007-2009)
 (At 2010-2011 Constant Producers' Prices for 2010-2011)

(Value Kyats in Billion)

SN	Particular	2014-2015		2015-2016		2016-2017	
		value	ratio	value	ratio	value	ratio
I	GOODS	31427.9	59.54	33330.8	58.85	34822.7	59.96
1	Agriculture (Crop)	11113.0	21.05	11357.4	20.05	11460.2	19.2
2	Livestock & Fisheries	4529.3	8.58	4820.3	8.51	4894.4	8.2
3	Forestry	126.4	0.24	128.1	0.23	45.2	0.35
2	SERVICES	11666.9	22.10	13018.4	22.99	13870.3	23.24
3	TRADE	9690.3	18.36	10286.2	18.16	10985.7	18.41
4	GDP (1+2+3)	52785.2	100.0	56635.4	100.0	59678.7	100.0

Milk/Meat production and consumption (2016-2017)

Production

- Fresh milk- 2430.47 MT
- Meat- 3024.98 MT



Consumption

- Milk- 47.48 kg/capital
- Meat - 59.10kg/capital



Pork consumption in Myanmar

- Consumption increasing over time

Per capita consumption by year	
2009 – 2010	30.4 kg
2010 - 2011	32.46 kg
2011 - 2012	34.07 kg
2012 - 2013	37.01 kg
2013 - 2014	40.16 kg
2014 - 2015	43.91 kg
2015 - 2016	58.38 kg

Role of Livestock Breeding and Veterinary Department (LBVD)

Under Ministry of Agriculture, Livestock and Irrigation, LBVD is the only department to improve livestock and livestock products for the requirement of the domestic consumption and export surplus through improved animal health care



Animal Census in Myanmar

Count in million

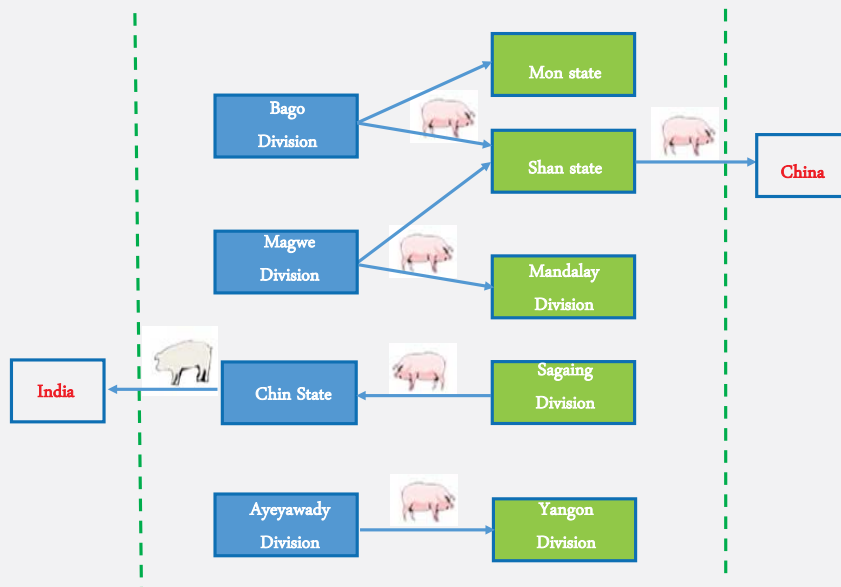
Sr. No	Particular	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17
1.	Buffalo	3.091	3.208	3.318	3.422	3.532	3.638	3.749
2.	Cattle	14.024	14.511	14.993	15.481	15.993	16.506	17.035
3.	Sheep/Goat	4.55	5.24	5.981	6.778	7.646	8.586	9.543
4.	Pig	10.305	11.432	12.567	13.761	15.056	16.341	17.648
5.	Chicken	172.613	194.223	217.1115	241.861	169.286	293.602	318.957
6.	Duck	15.295	16.776	18.332	20.002	21.805	23.572	25.382
7.	Goose/Turkey	1.939	2.116	2.431	2.715	3.061	3.454	2.279

Livestock animal population of state and region (2016-2017)

Count in Lakh

Sr No	State/Region	Cattle	Buffalo	Sheep/Goat	Pig	Chicken	Duck	Geese/Turkey
1	Naypyitaw	2.546	0.711	0.185	3.497	43.822	1.129	0.054
2	Kachin	3.846	2.807	0.714	10.779	91.045	3.071	0.633
3	Kayah	1.001	0.375	0.038	1.537	28.906	0.250	0.086
4	Kayin	3.954	1.063	1.149	5.173	65.274	4.337	0.615
5	Chin	1.913	0.560	1.221	4.736	70.012	0.450	0.114
6	Sagaing	26.929	5.276	7.498	15.087	241.908	3.802	0.802
7	Thaninthary	1.743	1.717	0.420	2.652	55.482	6.588	0.304
8	Bago	16.222	3.453	0.850	12.753	458.293	110.304	1.564
9	Magwe	31.160	1.909	52.973	42.658	529.457	4.404	0.198
10	Mandalay	24.738	0.740	20.623	10.107	292.157	7.189	0.679
11	Mon	5.535	1.012	1.451	5.323	133.421	20.991	0.939
12	Rakhaing	14.051	4.628	4.549	4.337	116.102	4.523	1.865
13	Yangon	6.936	1.700	1.245	13.689	480.390	39.618	2.781
14	Shan	16.945	9.083	1.279	25.848	358.913	5.201	0.965
15	Ayeyarwady	12.830	2.458	1.232	18.302	224.381	41.957	4.174
	Total	170.349	37.492	95.427	176.478	3189.563	253.814	15.773

Pig supply chain



Swine Breeding Practices in Eastern Shan State

- Small scale
- Medium scale
- Large scale

Small scale



Medium scale

- 10-500 fattener/ 5-10 sows
- Pigs are kept in pens, given home-made concentrates or commercial feed, regular vaccinated and proper biosecurity measure



What kinds of support they need?

- Good productivity for pig farming
- Invest money to extend farm size and production of small scale
- Technologies for good management of their farming system
- Stable and long-life market
- Suitable land-use policies growing of their animals feedstuffs

Livestock Breeding and Veterinary Department

Advantage of Akhar black pig

- Low production cost and high market demand
- No price difference between the selling of local pig and improved breeds



Akhar black pig in Eastern Shan State

- About 50% of the local pork consumption is covered by Akhar pig production
- High market demand
- Good meat taste



Disadvantage of Akhar black pig

- No good FCR, (8-12) month to reach the marketable weight)
- People and pigs staying close
- No proper hygienic measure
- No sewage, no protective equipment



Modified local feedstuff (Fermentation of Banana chopped stem)



Developmental Study



Local feedstuff supply group



Modified feedstuff supply group

8 weeks study,

Modified feedstuff showed higher in body weight as well as increase in appetite than the local feedstuff supplied group. But, the meat taste and local market demand were not different between these two groups.

Genetic upgrading of Akhar Black Pig

Akhar pig x Berkshire

Akhar pig x Duroc



Thank you for your attention

