

Table 5.1: Agriculture Land Holdings by Type

(Hectares)

Land holding	2010
Wet land	432.00
Dry land	5304.00
Orchad	3.00
Total area	5739.00

Source: Bhutan RNR Statistics 2012, MoAF

Table 5.2: Agriculture Infrastructures and Other Facilities, (2012-2017)

(Number)

Details	2012	2013	2014	2015	2016	2017
RNR centres	17	17	17	17	17	17
Agriculture Extension Centres	17	17	17	17	17	17
Livestock Extension Centres	17	17	17	17	17	17
Poultry firms	...	...	179	204	329	372
Fishery firms	...	...	5	15	15	15
Piggery firms	...	...	13	21	59	59
Functional Irrigation channels	48	48	48	62	63	74
Non-Functional Irrigation channels	0	0	0	5	9	9
Total length of channels (km)	125.45	125.50	125.50	170.00	176.00	199.08
Area covered by irrigation (acres)	2284.7	2284.7	2382	2560	2382	2393
Number of households benefitted by irrigation	...	...	1600	1969	1600	1899
Number of food processing units	...	...	...	...	...	...
Number of agriculture mills ¹	932	738	738	692	692	692
Number of livestock product processing units	5	5	5	5	6	6
Number of power tillers	83	54	54	113	152	231

¹ Including traditional mills

Source: Dzongkhag Agriculture Statistics

Table 5.3: Cultivated Area, Production and Yield of Major Crops, (2012-2017)

Crop/Productions		2012	2013	2014	2015	2016	2017
Wheat	Area (Acres)	133.0	429	175.0	214	98	100
	Production (Kg)	104	279	91	142	72	78
	Yield (Kg/Acre)	783	650	522	664	735	780
Barley	Area (Acres)	940.0	750	922.0	734	1023	1867
	Production (Kg)	611	439	591	509	710	882
	Yield (Kg/Acre)	650	586	641	694	694	472
Paddy	Area (Acres)	2025.0	1029	920.0	880	1200	1076
	Production (Kg)	2671	1431	1104	982	1340	1231
	Yield (Kg/Acre)	1319	1391	1,200	1116	1116	1144
Maize	Area (Acres)	8481.0	8494	10277.0	9739	3947	11503
	Production (Kg)	10420	14767	15416	16102	15495	15871
	Yield (Kg/Acre)	1229	1739	1,500	1653	1653	1380
Buckwheat	Area (Acres)	372.0	218	139.0	298	139	266
	Production (Kg)	208	96	51	206	74	73
	Yield (Kg/Acre)	560	941	368	694	530	276
Millet	Area (Acres)	28.3	53	51.0	39	39	22
	Production (Kg)	17.6	22	23	29	16	11
	Yield (Kg/Acre)	620	416	452	741	408	512

Source: Agriculture Statistics

Table 5.4: Name of Farmers' Group, Associations and Cooperatives Registered with DAMC

Farmers' Group/Associations/Cooperatives	Number	Year Registered	Remarks
Paytshong Tshoeshey Tshondrel Detshen	14	2017	
Khebishing Gonor Tshongdrel Desthen	8	2017	
Bakaphai Gonor Tshongdrel Detshen	12	2017	
Sonam Ngyemrub Gongphel Detshen	12	2017	
Samzhub Tshoesay Tshongdrel Detshen	11	2017	
Pelshub Tshoesay Tshongdrel Detshen	23	2017	
Yekhar Tshoesay Tshongdrel Detshen	12	2017	
Bazor Tsesay Detshen	13	2015	
Wengkharshing Tsesay Detshen	16	2015	
Drametse Gonor Detshen	17	2015	
Tsamang Amt sui Detshen	27	2015	
Yakgang Tsoesey Chethuen Nyamrub Detshen	10	2014	
Mangling Hazey Detshen	16	2014	
Sangsho Sizako Hazey Detshen	19	2014	
Yangbari Wornangmo Hazey Detshen	11	2014	
Zangkitsawa Hazey Detshen	7	2014	
Khalong Phendeyling Hazey Detshen	23	2014	
Tsamang Gathuen Detshen	14	2012	
Sengor Norlha Chethuen Detshen	21	2012	
Thinangbee Gonor Khenphen Detshen	13	2012	
Tongseng Sonam Gongphel Detshen	15	2012	
Thinangbee Sonam Thuenrig Peldrup Detshen	9	2004	
Tshenzibee Gonor Sonam Cherub Detshen	11	2012	
Domlung Tsoesay Nasho Detshen	6	2010	
Takchu Sanam Gonor Nyamrub Detshen	27	2012	
Kedhikar Gonor Sanam Nyamdrup Detshen	14	2012	
Jaibab Zambalha Detshen	23	2012	
Jangcholing Tshoesey Gathen Namrub Detshen	10	2010	
Phangtoe Gonor Nyamrub Tshongdrel Detshen	5	2010	
Sershong Amsu Gonor Gongphel Chethuen Detshen	14	2011	
Zalaphangma Sonam Gongphel Detshen	6	2012	
Zhiten Sonam Nyamdrup Detshen	10	2004	
Ngatshang Phuensum Ja Sochong Detshen	11	2010	
Ngatshang Gonor Phuensum Chethuen Detshen	25	2012	
Pelzhup Thuenpa Phuenzhi Detshen	32	2012	
Lhakhang Tshesey Namrub Detshen	7	2012	
Redaza Gonor Chethuen Detshen	10	2011	
Karma Tsholing Tshesey Tshongdrel Detshen	8	2007	
Dongtoe Sonam Chethuen Detshen	9	2007	
Chali Jue Tshesey Thenkey Detshen	10	2012	
Jambay Amtshu Tshesey Detshen	7	2012	

Jangdung Gayza Doejung Detshen	22	2004	
Drepong Phuengu Gongphel Detshen	9	2008	
Phosorong Tshoesey Lothen Detshen	13	2011	
Wangling Meser Sonam Detshen	14	2011	

Table 5.5: Farmers' Training Provided by RNR Sectors and DAMC, (2012-2017)

Sectors/sex	2012	2013	2014	2015	2016	2017
Agriculture						
Male	...	...	...	...	...	...
Female	...	...	...	...	...	...
Total	...	...	...	...	...	...
Forestry						
Male	...	...	...	...	...	563
Female	...	...	...	...	...	617
Total	...	...	136	91	816	1180
Livestock						
Male	43	...	...	...	...	...
Female	57	...	...	...	...	...
Total	100	...	...	...	...	...
DAMC						
Male	40	...	...	...	...	...
Female	60	...	...	...	...	...
Total	100	...	...	...	...	...

Source: Bhutan RNR Statistics, MoAF

Table 5.6: Cereal Crops Cultivated Area & Production, (2017)

Major crops	Total cereal cultivated area (acres)	Total cereal production (in mt. tons)
Paddy	1076	1231
Maize	11503	15871
Wheat	100	78
Barley	1867	882
Buckwheat	266	73
Millets	22	11

Source: Agriculture Statistics 2017, MoAF

Table 5.7: Livestock Population by Types, (2012-2017)

(Number)

Types	2012	2013	2014	2015	2016	2017
Cattle	25,123	24527	25949	26396	25797	26805
Yak	n.a	n.a	n.a	n.a	n.a	n.a
Buffalo	n.a	n.a	n.a	n.a	n.a	n.a
Zo/Zom	n.a	n.a	n.a	n.a	n.a	n.a
Equine	2154	1727	1702	1465	1382	1094
Pig	2535	680	731	658	500	285
Poultry	15214	25247	31048	32368	32398	37865
Sheep	13	11	2	6	4	3
Goat	87	88	67	65	48	60
Cat	...	...	...	...	...	...
Dog	...	...	...	...	...	...

Source:Dzongkhag Livestock Sector

Table 5.8: Livestock Productions, (2012-2017)

(Kg.)

Livestock products	2012	2013	2014	2015	2016	2017
Fresh Milk (liters)	2,501,770	2,952,197	2677.00	3991.38	4323.05	4565.19
Butter	130,490	131,315	171453.15	185492.95	174456.00	213755.60
Cheese	318,680	236,860	295231.40	332504.63	607006.00	631322.8
Dried Cheese (Chugu)	...	...	...	...	0.00	0
Eggs (dozen)	258,796	231,097	4036142.00	4732315	5253561	7660011
Fish	10	47	235.00	916	3780	4267
Beef	53,570	79,577	92204.00	85673.00	58964	68012
Pork	19,640	21,603	35939.40	41097.4	38022	27935
Yak Meat	...	...	...	...	...	...
Mutton	0	0	0	0	0	0
Chicken	170	128		449.00	0	0
Honey (liters)	...	...	281.00	...	0	0
Wool	...	...	...	...	...	...

Source: Dzongkhag Livestock Sector

Table 5.9: Number of Major Fruits and Nuts production, (2012-2017)

Major fruits/Productions		2011	2012	2013	2014	2015	2016	2017
Apple	Total Trees	1999	4382	2978	4,187	2888	1530	1768
	Bearing Trees	553	964	771	924	763	557	583
	Production (MT)	24	24	21	18.00	16	7	10
	Yield (Kg/Bearing Tree)	44	25	27	20.00	21	13	17
Mandarin	Total Trees	139197	150620	155172	191,370	...	125,252	119,147
	Bearing Trees	43142	44145	41399	39,797	...	35,209	35,743
	Production (MT)	2723	2127	1505	2,279	...	1,460	2,279
	Yield (Kg/Bearing Tree)	63	48	36	36	...	41	64
Mango	Total Trees	6243	3812	4800	7,211	7,343	5,336	4,258
	Bearing Trees	3448	2144	1981	3,399	3,207	1,814	2,151
	Production (MT)	110	82.65	62	156	103	49	76
	Yield (Kg/Bearing Tree)	32	39	31	46	32	27	36
Peach	Total Trees	5515	5933	5671	5,672	4,999	2,322	3,930
	Bearing Trees	3457	3652	3578	3,433	2,561	1,714	3,128
	Production (MT)	131	183.61	143	136	84	101	81
	Yield (Kg/Bearing Tree)	38	50	40	40	33	56	26
Pear	Total Trees	6399	6395	7374	7,786	6,560	5,899	7,195
	Bearing Trees	2811	3079	3599	2,465	2242	3117	3584
	Production (MT)	70	200.2	171	79	81	74	114
	Yield (Kg/Bearing Tree)	25	65	48	32	36	24	32
Plum	Total Trees	3111	2866	3361	2,897	2596	1573	1619
	Bearing Trees	1918	1748	2169	1,738	1561	1190	1336
	Production (MT)	96	96.15	111	81	70	54	66
	Yield (Kg/Bearing Tree)	50	55	51	46	45	45	49
Arecanut	Total Trees	3925	1276	5215	3,115	2,621	2,950	3,840
	Bearing Trees	2966	330	2189	1,174	932	1,439	1,386
	Production (MT)	38	2	9	10	13	14	13
	Yield (Kg/Bearing Tree)	13	6	4	9	14	10	9
Walnut	Total Trees	6208	5544	4288	5,979	4555	2280	1641
	Bearing Trees	743	1215	932	921	648	759	898
	Production (MT)	29	21.8	32	24	16	16	30
	Yield (Kg/Bearing Tree)	39	18	35	26	25	21	33

Banana	Total Trees		...	22471	30,121	25,023	23,227	15,975
	Bearing Trees	110	...	7459	8,289	3,767	9,155	8,374
	Production (MT)		37.5	59	113	56	144	94
	Yield (Kg/Bearing Tree)		...	8	14	15	16	11
Persimmon	Total Trees		491	1892	1,172	978	446	651
	Bearing Trees		229	793	275	483	113	326
	Production (MT)	110	7.7	34	8	19	3	11
	Yield (Kg/Bearing Tree)		34	42	30	40	27	34

Source: Dzongkhag Agriculture Sector

Table 5.10: Major Spices & Oilseeds production, (2012-2017)

Productions		2012	2013	2014	2015	2016	2017
Cardamom	Area (acres)		21	0.8	13	14	159
	Production (MT)	...	3	0.06	0.4	2	3
	Yield (Kg/acre)		155	80	29	160	21
Ginger	Area (acres)	35.17	51	46	75	113	160
	Production (MT)	10.7	23	37	61	50	37
	Yield (Kg/acre)	305	449	815	817	442	233
Garlic	Area (acres)	175.12	331	158	221	220	264
	Production (MT)	88.8	142	100	110	81	51
	Yield (Kg/acre)	507	427	365	496	369	193
Onion	Area (acres)	73.47	39.9	49	22	42	42
	Production (MT)	21.1	40	45	17	27	43
	Yield (Kg/acre)	287	994	920	759	653	1015
Potato	Area (acres)	1638	2166	2045	1903	2588	1940
	Production (MT)	3516	5170	4975	4870	5492	5596
	Yield (Kg/acre)	2147	2387	2432	2559	2122	2885
Chili	Area (acres)	679	548	467	500	778	1771
	Production (MT)	470	829	765	650	672	1608
	Yield (Kg/acre)	693	1511	1637	1299	864	908
Cabbage	Area (acres)	274	309	181	300	331	453
	Production (MT)	257	436	351	360	349	813
	Yield (Kg/acre)	940	1409	1,942	1,199	1,052	1,797
Cauliflower	Area (acres)	70.3	219	160	117	152	176
	Production (MT)	89.8	159	241	154	127	195

	Yield (Kg/acre)	1278	725	1505	1307	834	1112
Green Leaves	Area (acres)	174.38	...	...	202	230	419
	Production (MT)	136.9	376.7	136	142	199	122
	Yield (Kg/acre)	785	...	...	703	866	292
Raddish	Area (acres)	363.95	502	373	363	343	...
	Production (MT)	589.3	604	769	473	480	...
	Yield (Kg/acre)	1619	1204	2,062	1,304	1,400	...
Cucumber	Area (acres)	...	...	...	...	...	...
	Production (MT)	181	230	265	159	12	131
	Yield (Kg/acre)	...	...	...	...	...	...
Pumkin	Area (acres)	...	...	...	...	...	...
	Production (MT)	348	456	400	258	45	204
	Yield (Kg/acre)	...	...	...	...	...	...
Beans	Area (acres)	270.15	372	321	324	561	375
	Production (MT)	207.9	340	335	284	331	204
	Yield (Kg/acre)	769	916	1041	875	590	545
Mustard	Area (acres)	3059	135	124	157	135	140
	Production (MT)	10	43	45	51	33	30
	Yield (Kg/acre)	343	318	363	327	245	213
Soyabean	Area (acres)	90.7	209	127	158	59	1047
	Production (MT)	34	149	54	76	34.7	35
	Yield (Kg/acre)	374	713	423	477	590	329

Source: Dzongkhag Agriculture Sector