

Table 5.1: Agriculture Land Holdings by Type

(Hectares)

Land holding	2010	2018
Wet land	432.00	745.91
Dry land	5304.00	9302.31
Orchard	3.00	3.00
Total area	5739.00	10051.22

Source: Bhutan RNR Statistics 2012, MoAF & 2018 data Dzongkhag Agriculture Sector (cultivated & fellow land)

Table 5.2: Agriculture Infrastructures and Other Facilities, (2012-2018)

(Number)

Details	2012	2013	2014	2015	2016	2017	2018
RNR centres	17	17	17	17	17	17	17
Agriculture Extension Centres	...	...	...	...	...	...	...
Livestock Extension Centres	1	1	1	1	1	1	1
Poultry firms	...	...	179	204	329	372	372
Fishery firms	...	...	5	15	15	15	18
Piggery firms	...	...	13	21	59	59	18
Functional Irrigation channels	48	48	48	62	63	74	83
Non-Functional Irrigation channels	0	0	0	5	9	9	5
Total length of channels (km)	125.45	125.50	125.50	170.00	176.00	199.08	157.73
Area covered by irrigation (acres)	2284.7	2284.67	2382	2560	2382	2393	2393
Number of households benefitted by irrigation	...	...	1600	1969	1600	1899	1899
Number of food processing units	...	...	...	...	...	...	1
Number of agriculture mills ¹	932	738	738	692	692	692	692
Number of livestock product processing units	5	5	5	5	6	6	6
Number of power tillers	83	54	54	113	152	231	187

¹ Including traditional mills

Source: Dzongkhag Agriculture Statistics

Table 5.3: Cultivated Area, Production and Yield of Major Crops, (2012-2018)

Crop/Productions		2012	2013	2014	2015	2016	2017	2018
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 Amsui 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	
Tshenzibee Gonor Sonam Cherub Detshen	11	2012	
Takchu Sanam Gonor Nyamrub Detshen	27	2012	
Kedhikar Gonor Sanam Nyamdrup Detshen	14	2012	
Jaibab Zambalha Detshen	23	2012	
Zalaphangma Sonam Gongphel Detshen	6	2012	
Ngatshang Gonor Phuensum Chethuen Detshen	25	2012	
Pelzhup Thuenpa Phuenzhi Detshen	32	2012	
Lhakhang Tshesey Namrub Detshen	7	2012	
Chali Jue Tshesey Thenkey Detshen	10	2012	
Jambay Amtshu Tshesey Detshen	7	2012	
Sershong Amsu Gonor Gongphel Chethuen Detshen	14	2011	
Redaza Gonor Chethuen Detshen	10	2011	
Phosorong Tshoesey Lothen Detshen	13	2011	
Wangling Meser Sonam Detshen	14	2011	
Domlung Tsoesay Nasho Detshen	6	2010	
Jangcholing Tshoesey Gathen Namrub Detshen	10	2010	
Phangtoe Gonor Nyamrub Tshongdrel Detshen	5	2010	
Ngatshang Phuensum Ja Sochong Detshen	11	2010	
Drepong Phuengu Gongphel Detshen	9	2008	

Karma Tsholing Tshesey Tshongdrel Detshen	8	2007	
Dongtoe Sonam Chethuen Detshen	9	2007	
Thinangbee Sonam Thuenrig Peldrup Detshen	9	2004	
Zhiten Sonam Nyamdrup Detshen	10	2004	
Jangdung Gayza Doejung Detshen	22	2004	

Table 5.5: Farmers' Training Provided by RNR Sectors and DAMC, (2012-2018)

Sectors/sex	2012	2013	2014	2015	2016	2017	2018
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, (2012-2018)

(Number)

Types	2012	2013	2014	2015	2016	2017	2018
Cattle	25,123	24527	25949	26396	25797	26805	26611
Yak	n.a	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	n.a
Zo/Zom	n.a	n.a	n.a	n.a	n.a	n.a	n.a
Equine	2154	1727	1702	1465	1382	1094	1193
Pig	2535	680	731	658	500	285	177
Poultry	15214	25247	31048	32368	32398	37865	40451
Sheep	13	11	2	6	4	3	26
Goat	87	88	67	65	48	60	122
Cat	...	...	...	...	...	...	3552
Dog	...	...	...	...	...	...	1455

Source:Dzongkhag Livestock Sector

Table 5.8: Livestock Productions, (2012-2018)

(Kg.)

Livestock products	2012	2013	2014	2015	2016	2017	2018
Fresh Milk (liters)	2,501,770	2,952,197	267700	3991381	432305	4565.19	4466975
Butter	130,490	131,315	171453	185493	174456	213756	187971
Cheese	318,680	236,860	295231.40	332504.63	607006.00	631322.8	604216
Dried Cheese (Chugu)	0	0	0	0	0	0	0
Eggs (dozen)	258,796	231,097	4036142.00	4732315	5253561	7660011	4269952
Fish	10	47	235.00	916	3780	4267	3545
Beef	53,570	79,577	92204.00	85673.00	58964	68012	74789
Pork	19,640	21,603	35939.40	41097.4	38022	27935	23352
Yak Meat	...	...	...	...	...	...	...
Mutton	0	0	0	0	0	0	0
Chicken	170	128	0.00	449.00	0	0	0
Honey (liters)	0	0	281.00	0.00	0	0	0
Wool	0	0	0	0	0	0	0

Source: Dzongkhag Livestock Sector

Table 5.9: Number of Major Fruits and Nuts production, (2012-2018)

Major fruits/Productions		2011	2012	2013	2014	2015	2016	2017	2018
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, (2012-2018)

Productions		2012	2013	2014	2015	2016	2017	2018
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