

Table 5.1: Agriculture Land Holdings by Type (2018-2022)

(Hectares)

Land holding	2018	2019	2020	2021	2022
Wet land	2268.6	2268.6	10340.3	10340.3	11828.0852
Dry land	16445	16445.0	1022.1	1022.1	1390.4728
Orchad	1066	917.8	905.9	905.9	910.97
Total area	19779.6	19631.4	12268.3	12268.3	28983

Source: RNR / Dzongkhag Agriculture Sector

Table 5.2: Agriculture Infrastructures and Other Facilities, (2018-2022)

(Number)

Details	2018	2019	2020	2021	2022
RNR centres	10	10	10	10	10
Agriculture Extension Centres	10	10	10	10	10
Livestock Extension Centres	10	10	10	10	10
Poultry firms	33	52	54	85	64
Fishery firms	N.A	104	97	86	67
Piggery firms	20	25	32	63	35
Functional Irrigation channels	60	103	120	120	68
Non-Functional Irrigation channels	6	5	21	21	13
Total length of channels (km)	130.07	140	213.27	213.27	175.3
Area covered by irrigation (acres)	1950.59	2000	2449.03	2449.03	3204.89
Number of households benefitted by irrigation	1223	1260	1806		1920
Number of food processing units	0	0	1	1	0
Number of agriculture mills ¹	238	238	172	172	387
Number of livestock product processing units	N.A	N.A	1	0	4
Number of power tillers	81	81	81	81	94

¹ Including traditional mills

Source: Dzongkhag Agriculture Statistics

Table 5.3: Cultivated Area, Production and Yield of Major Crops, (2018-2022)

Crop/Productions		2018	2019	2020	2021	2022
Wheat	Area (Acres)	17.17	7.92	37.33	14.64	1,973.71
	Production (Kg)	14,168.00	7,129.94	19,690.00	6650	769.78
	Yield (Kg/Acre)	825.16	900.24	527.46	454.23	0.39001677
Barley	Area (Acres)	45.23	85.34	106.74	53.97	1,456.89
	Production (Kg)	31,478.00	61,526.86	69,090.00	29430	614.93
	Yield (Kg/Acre)	695.95	720.96	647.27	545.30	0.422084028
Paddy	Area (Acres)	1,902.27	1,750.18	1,638.49	1395.7	23,995.50
	Production (Kg)	3,131,870.07	2,811,885.14	2,634,730.0	2143260.0	41,049.12
	Yield (Kg/Acre)	1,646.39	1,606.63	1,608.02	1535.62	1.71
Maize	Area (Acres)	2,637.74	2,951.12	2,448.82	2138.03	21,919.71
	Production (Kg)	3,706,650.73	4,067,897.10	3,140,790.00	2750260	25,981.09
	Yield (Kg/Acre)	1,405.24	1,378.42	1,282.57	1286.35	1.19
Buckwheat	Area (Acres)	562.42	696.98	604.84	614.54	3,069.89
	Production (Kg)	297,931.00	469,010.00	323,630.00	334530	1,133.11
	Yield (Kg/Acre)	529.73	672.92	535.07	544.36	0.369104431
Millet	Area (Acres)	138.92	79.67	60.47	78.44	1,430.08
	Production (Kg)	30,394.00	34,641.12	31,560.00	34630	601.51
	Yield (Kg/Acre)	218.79	434.81	521.91	441.48	0.420612833

Source: Agriculture Statistics

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

Farmers' Group/Associations/Cooperatives	Number	Year Registered	Remarks
Momring Tsehey Dhuetsen	1	2020	
Lauri Tshesey Dhuetsen	1	2020	
Sezor Tshesey Dhuetsen	1	2020	
Jampani Vegetable group	1	2020	
Jangsawo LUC youth group	1	2020	
Agoorthang Rangzhin sonam yangphel detshen	1	2020	
Wooling Rangzhin Sanam Detshen	1	2020	
Denphu Sanam Lajung Detshen	1	2020	
Deptsang Tshesay Detshen	1	2020	
Rekhey Rangzhin Sanam Detshen	1	2020	
Momring Shingmen Thuenkey Detshen	1	2014	
Denchi Tshesey Detshen	1	2019	
Bazor Tshesey Detshen	1	2019	
Sangshingzor Tshesey Detshen	1	2019	
Samdrup Jongkhar Khazey Tshogpa	1	2019	
Menchari Agriculture Group	1	2019	
Marthang Om Tshongdrel Detshen	1	2018	
Yueserna Tshesay Detshen	1	2018	
Relang Tshesay Detshen	1	2018	
Morong Om Tshongdrel Detshen	1	2017	
Langchenphu Om Tshongdrel Detshen	1	2017	
Menjigang Om Tshongdrel Detshen	1	2017	
Pemathang OmTshongdrel Detshen	1	2017	
Batsuwong Nangzor Om Tshongdrel Detshen	1	2017	
Jangchubling Mandar Om Thuendrel Detshen	1	2015	
langdra Phuensum Detshen	1	2014	
Baytsheling Shingmen Yargay Gongphel Detshen	1	2014	
Dungmanma Shigmen Gaki Pelzom Detshen	1	2014	
Zangthi Shingmen Detshen	1	2014	

Lauri Gaki Shingmen Thuenkey Detshen	1	2014	
Woongthi Shingmen Thuendrel Detshen	1	2014	
Thekchog Choling Shingmen Thuenkey Detshen	1	2014	
Relang Shingmen Thuenkey Detshen	1	2014	
Morong Tsesey Thuendrel detshen	1	2014	
Pemathang Yue Chum Natshog Detshen	1	2014	
Pemathang Tsesey Gongphel Detshen	1	2014	
Gomdar Om Mar-Datse Thuendrel Detshen	1	2012	
Morong Gaden Phuensum Community Forest Management	1	2010	
Mayphu Shekpashing Community Forest Management Gro	1	2009	
Jersey Tshochung Thuendrel Detshen	1	2010	
Raling Yuechum Gongphel Detshen	1	2011	
Phuntshothnag Druna Gongphel Detshen	1	2011	
Wooling Samtencholing Mardatse Thuendrel Detshen	1	2010	
Orong Mardatse Thuendrel Detshen	1	2009	
Rechanglo Vegetable Producer and Marketing Detshen	1	2010	
Ompo-Ri Community Forest Managment Group	1	2010	

Source: Bhutan RNR Statistics , MoAF

Table 5.5: Farmers Training Provided by RNR Sectors and DAMC, (2018-2022)

Sectors/sex	2018	2019	2020	2021	2022
Agriculture					
Male	859	525	128	0 ...	
Female	540	310	75	0 ...	
Total	1399	835	203	0 ...	
Forestry					
Male	N.A	246	94	N.A	...
Female	N.A	116	96	N.A	...
Total	N.A	362	190	N.A	...
Livestock					
Male	N.A	75	227	19 ...	
Female	N.A	168	92	2 ...	
Total	N.A	243	319	21 ...	
DAMC					
Male	N.A	N.A	19	0 ...	
Female	N.A	N.A	9	0 ...	
Total	N.A	N.A	28	0 ...	

Source: Bhutan RNR Statistics, MoAF

Table 5.6: Cereal Crops Cultivated Area & Production, (2018-2022)

Major crops	2018		2019		2020		2021		2022	
	Total cereal cultivated area (acres)	Total cereal production (in mt. tons)	Total cereal cultivated area (acres)	Total cereal production (in mt. tons)	Total cereal cultivated area (acres)	Total cereal production (in mt. tons)	Total cereal cultivated area (acres)	Total cereal production (in mt. tons)	Total cereal cultivated area (acres)	Total cereal production (in mt. tons)
Paddy	2426	3855	2428.48	3923.78	1,638.49	2634.73	1395.7	2143.26	23,995.50	41,049.12
Maize	5587	7167	5592.77	7758.65	2,884.82	3140.79	2138.03	2750.26	21,919.71	25,981.09
Wheat	40	60	41	65	37.33	19.69	14.64	6.65	1,973.71	769.78
Barley	20.5	30	22	36	106.74	69.09	53.97	29.43	1,456.89	614.93
Buckwheat	165	90	169	96	106.37	69.06	614.54	334.53	3,069.89	1,133.11
Millets	100	82	105.5	99	60.47	31.56	78.44	34.63	1,430.08	601.51

Source: Bhutan RNR Statistics , MoAF

Table 5.7: Livestock Population by Types, (2018-2022)

(Number)

Types	2017	2018	2019	2020	2021	2022
Cattle	12825	14551	12975	14733	15656	12910
Yak	3	0	2	17	6	8
Buffalo	12	9	4	1	6	-
Zo/Zom	12	14	14	11	18	79
Equine	418	451	397	262	126	97
Pig	479	252	305	283	256	591
Poultry	35456	30136	30510	57123	49369	30188
Sheep	28	27	68	30	89	90
Goat	1896	1778	1844	1702	1294	1307
Cat	1705	1927	1975	1722	1561	...
Dog	1010	1181	1147	972	1013	...

Source:Dzongkhag Livestock Sector

Table 5.8: Livestock Productions, (2018-2022)

(Kg.)

Livestock products	2018	2019	2020	2021	2022
Fresh Milk (liters)	3,898,379	4,229,000	3,966,384	3376530	2281.27
Butter	92,563	108,000	86,290	78020	56.49
Cheese	160,128	313,000	151,993	140530	128.25
Dried Cheese (Chugu)	0	0	0	0	-
Eggs (dozen)	465,388	793,943	8,098,826	5408949	2,303,859
Fish	54,146	60,000	33,896	6690	5.23
Beef	38,936	32,000	66,738	75350	143.94
Pork	26,505	42,000	20,421	32370	10.82
Yak Meat	0	0	1,500	0	-
Mutton	9,627	10,000	10,387	410	0.17
Chicken	56,027	67,000	133,626	62900	29.28
Honey (liters)	802	1,800	1,311	770	0.75
Wool	0	0	0	0	0.03

Source: Dzongkhag Livestock Sector

Table 5.9: Number of Major Fruits and Nuts production, (2018-2022)

Major fruits/Productions		2018	2019	2020	2021	2022
Apple	Total Trees	1,169.00	1,764.00	1,996.90	1,285	977
	Bearing Trees	60.00	11.00	436.85	23	182
	Production (MT)	0.79	0.03	9.16	0.16	0.58
	Yield (Kg/Bearing Tree)	13.22	2.95	20.97	7.14	3.186813187
Mandarin	Total Trees	223,042.00	302,181.00	209,679.12	207,600	203,622
	Bearing Trees	109,259.00	143,539.00	100,554.51	105,643	94,402
	Production (MT)	3,883.13	5,497.31	3,304.18	2,377.96	2,638.00
	Yield (Kg/Bearing Tree)	35.54	38.30	32.86	22.51	27.94432321
Mango	Total Trees	11,939.00	10,648.00	8,496.29	8,945	11,170
	Bearing Trees	2,386.00	1,724.00	2,595.77	3,134	2,670
	Production (MT)	49.43	38.44	44.39	41.40	28
	Yield (Kg/Bearing Tree)	20.71	22.30	17.10	13.21	10.48689139
Peach	Total Trees	2,596.00	3,403.00	2,472.07	2,137	1,260
	Bearing Trees	2,044.00	2,643.00	2,011.88	1,645	909
	Production (MT)	69.71	107.10	65.69	41.41	20.91
	Yield (Kg/Bearing Tree)	34.10	40.52	32.65	25.17	23.00330033
Pear	Total Trees	2,731.00	2,788.00	2,485.98	2,185	1,401
	Bearing Trees	1,579.00	1,107.00	1,668.23	1,427	762
	Production (MT)	62.94	75.53	91.41	49.27	34.15
	Yield (Kg/Bearing Tree)	39.86	68.23	54.79	34.54	44.81627297
Plum	Total Trees	1,229.00	1,004.00	808.89	859	632
	Bearing Trees	698.00	682.00	629.77	700	468

Fruit	Production (MT)	27.29	34.71	22.72	20.06	19.84
	Yield (Kg/Bearing Tree)	39.10	50.89	36.08	28.64	42.39316239
Arecanut	Total Trees	147,696.00	257,383.00	246,039.55	366,223	253,328
	Bearing Trees	65,498.00	100,254.00	100,897.69	99,901	66,257
	Production (MT)	921.36	1,491.83	1,861.54	1,604.64	688.74
	Yield (Kg/Bearing Tree)	14.07	14.88	18.45	16.06	10.39497713
Walnut	Total Trees	2,385.00	1,341.00	3,877.93	2,543	1,453
	Bearing Trees	514.00	243.00	282.71	454	168
	Production (MT)	15.06	6.95	7.69	9.23	2.55
	Yield (Kg/Bearing Tree)	29.29	28.58	27.21	20.35	15.17857143
Banana	Total Trees	36,690.00	61,432.00	40,396.44	46,220	27,290
	Bearing Trees	8,991.00	18,128.00	14,582.66	10,211	6,614
	Production (MT)	144.70	229.56	177.07	164.58	87.01
	Yield (Kg/Bearing Tree)	16.09	12.66	490.50	16.12	13.15542788
Persimmon	Total Trees	153.00	95.00	141.54	186	302
	Bearing Trees	58.00	38.00	61.61	105	80
	Production (MT)	1.14	0.42	0.58	2.01	1.24
	Yield (Kg/Bearing Tree)	19.62	11.06	9.48	19.13	15.5

Source: Dzongkhag Agriculture Sector

Table 5.10: Major Spices & Oilseeds production, (2018-2022)

Productions		2018	2019	2020	2021	2022
Cardamom	Area (acres)	368.64	444.85	299.95	374.38	362.13
	Production (MT)	36.41	45.60	37.12	47.56	41.5
	Yield (Kg/acre)	98.77	102.50	123.76	127.04	0.114599729
Ginger	Area (acres)	577.73	732.76	945.78	910.45	1,640
	Production (MT)	1,470.24	2,310.77	2,528.60	2188.6	952.43
	Yield (Kg/acre)	2,544.85	3,153.52	2,673.57	2403.87	0.58
Garlic	Area (acres)	43.97	40.23	32.60	30.72	311.19
	Production (MT)	27.85	35.55	22.76	22.49	297.13
	Yield (Kg/acre)	633.39	883.70	698.17	732.10	305.01
Onion	Area (acres)	22.13	6.75	18.16	22.38	14.65
	Production (MT)	12.66	7.49	12.08	17.9	10.99
	Yield (Kg/acre)	572.25	1,109.87	665.20	799.82	0.750170649
Potato	Area (acres)	350.01	510.74	471.65	282.51	238.14
	Production (MT)	536.11	1,102.89	1,039.73	684.11	322.19
	Yield (Kg/acre)	1,531.69	2,159.39	2,204.45	2421.54	1.35
Chili	Area (acres)	117.19	125.05	118.07	155.69	188.18
	Production (MT)	141.91	186.97	126.17	170	142.06
	Yield (Kg/acre)	1,210.95	1,495.16	1,068.54	1091.91	0.75
Cabbage	Area (acres)	78.06	59.48	96.58	45.85	70.34
	Production (MT)	91.07	113.70	144.67	100.12	74.5
	Yield (Kg/acre)	1,166.60	1,911.60	1,497.99	2183.6	1.06
Cauliflower	Area (acres)	62.51	42.74	54.42	27.01	49.43
	Production (MT)	44.50	61.12	72.07	39.8	46.41

	Yield (Kg/acre)	711.85	1,429.94	1,324.40	1473.53	0.94
Green Leaves	Area (acres)	170.48	71.91			
	Production (MT)	114.11	87.28	255.83	163.20	77.13
	Yield (Kg/acre)	669.37	1,213.73			
Raddish	Area (acres)	69.93	68.79	123.05	86.60	99.62
	Production (MT)	186.49	202.38	196.44	152.14	123.84
	Yield (Kg/acre)	2,666.85	2,942.07	1,596.47	1756.81	1.24
Cucumber	Area (acres)	21.62	2.54	33.27	51.34	24.48
	Production (MT)	88.03	123.59	118.47	89.67	62.69
	Yield (Kg/acre)	4,071.88	48,658.98	3,561.01	1746.59	2.56
Pumkin	Area (acres)	46.31	9.29			
	Production (MT)	172.98	305.78	392.40	377.8	4528.13
	Yield (Kg/acre)	3,735.35	32,914.93			
Beans	Area (acres)	267.41	126.58	168.74	100.03	121.65
	Production (MT)	246.52	178.42	170.76	134.42	116.64
	Yield (Kg/acre)	921.88	1,409.53	1,012.00	1343.80	0.96
Mustard	Area (acres)	62.22	157.48	93.60	45.06	36.32
	Production (MT)	18.36	71.58	37.51	15.65	7.57
	Yield (Kg/acre)	295.02	454.53	400.71	347.31	0.20842511
Soyabean	Area (acres)	34.84	49.73	40.98	24.71	4.26
	Production (MT)	18.82	20.77	11.46	8.14	4.37
	Yield (Kg/acre)	540.21	417.65	279.64	329.42	1.025821596

Source: Dzongkhag Agriculture Sector