

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

(Number)

Details	2018	2019	2020	2021	2022
RNR centres	17	17	17	17	17
Agriculture Extension Centres	...	...	...	...	...
Livestock Extension Centres	1	1	1	0	0
Poultry farms	372	99	101	..	26
Fishery farms	18	16	16	14	14
Piggery farms	18	18	24	2	1
Functional Irrigation channels	83	...	...	73	65
Non-Functional Irrigation channels	5	...	...	4	8
Total length of channels (km)	157.73	...	...	97.94	195.54
Area covered by irrigation (acres)	2393	...	...	1214.57	2143.12
Number of households benefitted by irrigation	1899	1900	1950	1347	2311
Number of food processing units	1	1	2	...	2
Number of agriculture mills 1	692	...	...	...	...
Number of livestock product processing units	6	3	3	3	3
Number of power tillers	187	165	150	...	...

1 Including traditional mills

Source: Dzongkhag Agriculture Statistics

Table 5.1: Agriculture Land Holdings by Type

(Hectares)

Land holding	2010	2018	2019	2020	2021	2022
Wet land	432.00	745.91	5420	5420	1,070	1144.1
Dry land	5304.00	9302.31	30161	30161	11653	12150.8
Orchad	3.00	3.00	60	60	...	120
Total area	5739.00	10051.22	35641	35641	12,723	13,415

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

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

Crop/Productions		2018	2019	2020	2021	2022
Wheat	Area (Acres)	100	120	130	...	141.8
	Production (MTS)	45	58	63	...	106.4
	Yield (Kg/Acre)	450	488	488	...	695.7
Barley	Area (Acres)	878	951	1050	...	931.7
	Production (Mts)	482	521	575	...	705.4
	Yield (Kg/Acre)	549	548	548	...	739.4
Paddy	Area (Acres)	1070	1064	1141	1123	1144.1
	Production (Mts)	1225	1216	1247	1305	1205.9
	Yield (Kg/Acre)	1100	1033	1093	1075	1046.5
Maize	Area (Acres)	11653	11769	11965	12029	12150.8
	Production (Mts)	16298	16831	16751	16788.45	17433.8
	Yield (Kg/Acre)	1380	1430	1400	1390	1400
Buckwheat	Area (Acres)	191	214	315	119.7	162.5
	Production (Mts)	528	458	110	119.66	52.3
	Yield (Kg/Acre)	100	98	360	358	321.4
Millet	Area (Acres)	14	37	25	...	
	Production (Mts)	6	13	12.5	...	
	Yield (Kg/Acre)	432	355	500	...	

Source: Agriculture Statistics

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

Farmers' Group/Associations/Cooperatives	Number	Year Registered
Paytshong Tshoeshey Tshondrel Detshen	14	2017
<u>Sonam Ngyemrub Gongphel Detshen</u>	12	2017
<u>Samzhub Tshoesay Tshongdrel Detshen</u>	11	2017
<u>Pelshub Tshoesay Tshongdrel Detshen</u>	23	2017
<u>Yekhar Tshoesay Tshongdrel Detshen</u>	12	2017
<u>Bazor Tsesay Detshen</u>	13	2015
<u>Wengkharshing Tsesay Detshen</u>	16	2015
<u>Yakgang Tsoesey Chethuen Nyamrub Detshen</u>	10	2014
<u>Mangling Hazey Detshen</u>	16	2014
<u>Sangsho Sizako Hazey Detshen</u>	19	2014
<u>Yangbari Wornangmo Hazey Detshen</u>	11	2014
<u>Zangkitsawa Hazey Detshen</u>	7	2014
<u>Khalong Phendeyling Hazey Detshen</u>	23	2014
<u>Tsamang Gathuen Detshen</u>	14	2012
<u>Thinangbee Gonor Khenphen Detshen</u>	13	2012
<u>Tongseng Sonam Gongphel Detshen</u>	15	2012
<u>Zalaphangma Sonam Gongphel Detshen</u>	6	2012
<u>Pelzhup Thuenpa Phuenzhi Detshen</u>	32	2012
<u>Lhakhang Tshesey Namrub Detshen</u>	7	2012
<u>Chali Jue Tshesey Thenkey Detshen</u>	10	2012
<u>Jambay Amtshu Tshesey Detshen</u>	7	2012
Khebishing Gonor Tshongdrel Desthen	10	2013
Bakaphai Gonor Tshongdrel Detshen	15	2014
Jadung/Selkhar Dairy Group	10	2018
Balam Dairy Group	19	2018
Dungkarcholing Gonpa Gonor gongphel Detshen	35	2020
Yetong Gonor gongphel Detshen	38	2020
Drametse Gonor Detshen	23	2012

Drepong Dairy Group	36	2018
Kilikhar Gonor/Sonam Nyamrub Detshen	15	2012
Takchu Gonor/Sonam Nyamrub Detshen	12	2012
Wangling Peljung Norlha Detshen	17	2018
Wengkhar Dairy Group	19	2018
Phosorong Dairy Group	12	2019
Yagpugang Dairy Group	34	2019
Zhongar Nazhoen Gongphel Detshen	5	2019
Thumbari Phanas Dairy Group	36	2019
Banjar Dairy Group	20	2019

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

Sectors/sex	2018	2019	2020	2021	2022
Agriculture					
Male	...	...	...	...	0
Female	...	...	...	...	0
Total	...	...	...	...	0
Forestry					
Male	...	...	...	...
Female	...	...	...	...
Total	...	...	...	...
Livestock					
Male	578	0	161	0	0
Female	1070	0	315	0	0
Total	1648	...	476	0	0
DAMC					
Male	...	...	...	...
Female	...	...	...	...
Total	...	...	...	...

Source: Bhutan RNR Statistics, MoAF

Table 5.6: Cereal Crops Cultivated Area & Production, (2017 & 2022)

Major crops	2017		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)
Paddy	1076	1231	1,123	1305	1144.1	1205.9
Maize	11503	15871	12029	16788.45	12150.8	17433.8
Wheat	100	78	...	...	141.8	106.4
Barley	1867	882	...	...	931.7	705.4
Buckwheat	266	73	119.7	119.66	162.5	52.3
Millet	22	11	...	...

Source: Agriculture Statistics 2017, MoAF

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

(Number)

Types	2018	2019	2020	2021	2022
Cattle	26611	27004	25554	24983	23062
Yak	...	...	...	...	...
Buffalo	...	...	...	...	...
Zo/Zom	...	...	...	...	...
Equine	1193	726	568	381	238
Pig	177	222	127	120	78
Poultry	40451	43388	42588	55257	32618
Sheep	26	22	1	1	2
Goat	122	41	49	29	44
Cat	3552	3159	3565	4214	
Dog	1455	1519	1618	1864	4445

Source:Dzongkhag Livestock Sector

Table 5.8: Livestock Productions, (2018-2022)

Livestock products	2018	2019	2020	2021	2022
Fresh Milk (MT)	4466.98	5291.69	5273.36	2997.33	3058.10
Butter (MT)	187.97	224.57	220.88	115.54	112.82
Cheese (MT)	604.22	403.66	669.51	221.34	202.17
Dried Cheese (Chugu)	0	0	0	0	0
Eggs (dozen)	4269952	701408	754890	6315811	5,220,289
Fish (MT)	3.545	2.55	0.145	0	0
Beef(MT)	74.789	69.09	116.222	155.04	78.928
Pork (MT)	23.352	15.57	17.138	5.17	1.267
Yak Meat	...	...	...	0	0
Mutton	...	...	...	0.04	0.008
Chicken	...	...	...	0.6	6.16
Honey (liters)	...	...	...	0	5
Wool (kg)	...	...	...	0	2

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	...	...	...	...
	Bearing Trees	270	270	270	270	
	Production (MT)	12.41	12.41	12.41	12.41	
	Yield (Kg/Bearing Tree)	0.4596	0.4596	0.4596	0.4596	
Mandarin	Total Trees	76920	79000	84714	...	
	Bearing Trees	53850	55300	59300	56222	54570
	Production (MT)	2221	2402	2668	2380	2418.8
	Yield (Kg/Bearing Tree)	0.04124	0.04344	0.04499	0.04233	42.80000
Mango	Total Trees	3757	3931	4000	...	
	Bearing Trees	2630	2752	2800	2752	3020
	Production (MT)	92	118	112	120	5810.5
	Yield (Kg/Bearing Tree)	35	42	40	42.79	48.7
Peach	Total Trees	5928	6514	7285	NA	
	Bearing Trees	4150	4560	5100	2078	2192
	Production (MT)	207	191	204	87	89
	Yield (Kg/Bearing Tree)	50	42	40	42.41	41.1
Pear	Total Trees	6471	6985	7428	...	
	Bearing Trees	4530	4890	5200	2130	2073
	Production (MT)	181	185	208	87.735	77.3
	Yield (Kg/Bearing Tree)	40	38	45	39.8	35.6
Plum	Total Trees	2714	3285	3928	...	
	Bearing Trees	1900	2300	2750	1310	1324
	Production (MT)	133	115	132	84	88.6
	Yield (Kg/Bearing Tree)	70	50	48	62.94	55.9
Arecanut	Total Trees	4855	5500	6166	...	
	Bearing Trees	1450	1650	1850	...	
	Production (MT)	20	33	37	...	
	Yield (Kg/Bearing Tree)	14	20	20	...	

Walnut	Total Trees	1302	1542	1771	...	
	Bearing Trees	912	1080	1240	1080	1367
	Production (MT)	23	24	31	27.5	736.9
	Yield (Kg/Bearing Tree)	25	23	25	25.8	26.8
Banana	Total Trees	18400	21000	25000	...	
	Bearing Trees	9200	10500	12500	...	
	Production (MT)	184	157	225	...	
	Yield (Kg/Bearing Tree)	20	15	18	...	
Persimmon	Total Trees	850	980	1020	...	
	Bearing Trees	420	550	750	593	715
	Production (MT)	14	19	30	24.74	28.5
	Yield (Kg/Bearing Tree)	34	35	40	40.6	34.3

Source: Dzongkhag Agriculture Sector

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

Productions		2018	2019	2020	2021	2022
Cardamom	Area (acres)	359.86	359.86	...	...
	Production (MT)	12.31	12.31	...	...
	Yield (Kg/acre)	12310	12310	...	...
Ginger	Area (acres)	59	40	40	139	56.8
	Production (MT)	102	64	64	240	53
	Yield (Kg/acre)	1724	1583	1061	1656	894
Garlic	Area (acres)	189	193	...	319	211.4
	Production (MT)	97	90	...	149	103.9
	Yield (Kg/acre)	511	459.4	...	464.7	478.8
Onion	Area (acres)	...	41	...	234	79.4
	Production (MT)	...	1608	...	389.47	87.3
	Yield (Kg/acre)	...	881	...	1693.8	737.5
Potato	Area (acres)	1960	1940	1875	...	2001.33
	Production (MT)	5670	5670	6146	...	6314.6
	Yield (Kg/acre)	2800	2800	3113.23	...	2907.1
Chili	Area (acres)	817	630	575	570	630.4
	Production (MT)	1285	796	11023	636.95	728.2
	Yield (Kg/acre)	1608	1202	1127.64	1127.6	1103
Cabbage	Area (acres)	540	357	348	357	416.5
	Production (MT)	907	649	606.72	635.4	739.3
	Yield (Kg/acre)	2082	1804.705	1752.35	1747.6	1746.8
Cauliflower	Area (acres)	280	166	242	223	248.7
	Production (MT)	405	192.86	203.56	164.3	309.7
	Yield (Kg/acre)	1363	1152.9	820	710.6	1133.8
Green Leaves	Area (acres)	179	144	...	302	170.8
	Production (MT)	196	167	...	354	184.5
	Yield (Kg/acre)	1098	1161	...	1161	1082.8
Raddish	Area (acres)	366	332	332	282	300.2
	Production (MT)	1859	578	578	500	519.2

	Yield (Kg/acre)	680	1749.705882	1617.058824	1756.5	478.8
Cucumber	Area (acres)	...	...	...	...
	Production (MT)	...	...	...	...
	Yield (Kg/acre)	...	...	...	...
Pumkin	Area (acres)	...	...	...	...
	Production (MT)	...	...	...	...
	Yield (Kg/acre)	...	...	...	...
Legume	Area (acres)	845	1100	565	339	491.6
	Production (MT)	528	575	575	95	144.4
	Yield (Kg/acre)	625	522	331	279	297.7
Mustard	Area (acres)	139	139	139	302	146.5
	Production (MT)	40	40	40	354	31.5
	Yield (Kg/acre)	282	282	282	1161	197.6
Soyabean	Area (acres)	14.26	...	...	...
	Production (MT)	6.16	...	...	...
	Yield (Kg/acre)	432	...	...	...

Source: Dzongkhag Agriculture Sector