

**Table 5.1: Agriculture Land Holdings by Type**

(Hectares)

<b>Land holding</b>	<b>2010</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>
Wet land	432.00	745.91	5420	5420	1,070
Dry land	5304.00	9302.31	30161	30161	11653
Orchard	3.00	3.00	60	60	...
<b>Total area</b>	<b>5739.00</b>	<b>10051.22</b>	<b>35641</b>	<b>35641</b>	<b>12,723</b>

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

**Table 5.2: Agriculture Infrastructures and Other Facilities, (2017-2021)**

(Number)

Details	2017	2018	2019	2020	2021
RNR centres	17	17	17	17	17
Agriculture Extension Centres	...	...	...	...	...
Livestock Extension Centres	1	1	1	1	0
Poultry farms	372	372	99	101	..
Fishery farms	15	18	16	16	14
Piggery farms	59	18	18	24	..
Functional Irrigation channels	74	83	...	...	73
Non-Functional Irrigation channels	9	5	...	...	4
Total length of channels (km)	199.08	157.73	...	...	97.94
Area covered by irrigation (acres)	2393	2393	...	...	1214.57
Number of households benefitted by irrigation	1899	1899	1900	1950	1347
Number of food processing units	...	1	1	2	...
Number of agriculture mills 1	692	692	...	...	...
Number of livestock product processing units	6	6	3	3	3
Number of power tillers	231	187	165	150	

1 Including traditional mills

Source: Dzongkhag Agriculture Statistics

**Table 5.3: Cultivated Area, Production and Yield of Major Crops, (2017-2021)**

Crop/Productions		2017	2018	2019	2020	2021
Wheat	Area (Acres)	100	100	120	130	...
	Production (MTS)	78	45	58	63	...
	Yield (Kg/Acre)	780	450	488	488	...
Barley	Area (Acres)	1867	878	951	1050	...
	Production (Mts)	882	482	521	575	...
	Yield (Kg/Acre)	472	549	548	548	...
Paddy	Area (Acres)	1076	1070	1064	1141	1123
	Production (Mts)	1231	1225	1216	1247	1305
	Yield (Kg/Acre)	1144	1100	1033	1093	1075
Maize	Area (Acres)	11503	11653	11769	11965	12029
	Production (Mts)	15871	16298	16831	16751	16788.45
	Yield (Kg/Acre)	1380	1380	1430	1400	1390
Buckwheat	Area (Acres)	266	191	214	315	119.7
	Production (Mts)	73	528	458	110	119.66
	Yield (Kg/Acre)	276	100	98	360	358
Millet	Area (Acres)	22	14	37	25	...
	Production (Mts)	11	6	13	12.5	...
	Yield (Kg/Acre)	512	432	355	500	...

Source: Agriculture Statistics

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

<b>Farmers' Group/Associations/Cooperatives</b>	<b>Number</b>	<b>Year Registered</b>
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
Khebishong 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 Detshe	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	13	2019
Thumbari Phanas Dairy Group	36	2019
Banjar Dairy Group	20	2019

**Table 5.5: Farmers' Training Provided by RNR Sectors and DAMC, (2016-2021)**

Sectors/sex	2016	2017	2018	2019	2020	2021
<b>Agriculture</b>						
Male	...	...	...	...	...	...
Female	...	...	...	...	...	...
Total	...	...	...	...	...	...
<b>Forestry</b>						
Male	...	563	...	...	...	...
Female	...	617	...	...	...	...
Total	816	1180	...	...	...	...
<b>Livestock</b>						
Male	...	293	578	0	161	...
Female	...	494	1070	0	315	...
Total	...	787	1648	...	476	...
<b>DAMC</b>						
Male	...	...	...	...	...	...
Female	...	...	...	...	...	...
Total	...	...	...	...	...	...

Source: Bhutan RNR Statistics, MoAF

**Table 5.6: Cereal Crops Cultivated Area & Production, (2017 & 2021)**

<b>Major crops</b>	<b>2017</b>		<b>2021</b>	
	<b>Total cereal cultivated area (acres)</b>	<b>Total cereal production (in mt. tons)</b>	<b>Total cereal cultivated area (acres)</b>	<b>Total cereal production (in mt. tons)</b>
Paddy	1076	1231	<b>1,123</b>	<b>1305</b>
Maize	11503	15871	<b>12029</b>	<b>16788.45</b>
Wheat	100	78	...	...
Barley	1867	882	...	...
Buckwheat	266	73	119.7	119.66
Millet	22	11	...	...

Source: Agriculture Statistics 2017, MoAF

**Table 5.7: Livestock Population by Types, (2017-2021)**

(Number)

Types	2017	2018	2019	2020	2021
Cattle	26805	26611	27004	25554	24983
Yak	...	...	...	...	...
Buffalo	...	...	...	...	...
Zo/Zom	...	...	...	...	...
Equine	1094	1193	726	568	381
Pig	285	177	222	127	120
Poultry	37865	40451	43388	42588	55257
Sheep	3	26	22	1	1
Goat	60	122	41	49	29
Cat	...	3552	3159	3565	4214
Dog	...	1455	1519	1618	1864

Source:Dzongkhag Livestock Sector



**Table 5.8: Livestock Productions, (2017-2021)**

Livestock products	2017	2018	2019	2020
Fresh Milk (liters)	4565.19	4466975	5291689	5273363
Butter	213756	187971	224567	220876.58
Cheese	631322.8	604216	403657	669511.04
Dried Cheese (Chugu)	0	0		
Eggs (dozen)	7660011	4269952	701408	754890
Fish	4267	3545	2550	145
Beef	68012	74789	69090	116222
Pork	27935	23352	15570	17138
Yak Meat	...	...	...	...
Mutton	...	...	...	...
Chicken	...	...	...	...
Honey (liters)	...	...	...	...
Wool	...	...	...	...

Source: Dzongkhag Livestock Sector

**Table 5.9: Number of Major Fruits and Nuts production, (2017-2021)**

<b>Major fruits/Productions</b>		<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>
Apple	Total Trees	1768	...	...	...	...
	Bearing Trees	583	270	270	270	270
	Production (MT)	10	12.41	12.41	12.41	12.41
	Yield (Kg/Bearing Tree)	17	45960	4596	4596	45.96
Mandarin	Total Trees	119,147	76920	79000	84714	...
	Bearing Trees	35,743	53850	55300	59300	56222
	Production (MT)	2,279	2221	2402	2668	2380
	Yield (Kg/Bearing Tree)	64	41	43	45	43
Mango	Total Trees	4,258	3757	3931	4000	...
	Bearing Trees	2,151	2630	2752	2800	2752
	Production (MT)	76	92	118	112	120
	Yield (Kg/Bearing Tree)	36	35	42	40	42.79
Peach	Total Trees	3,930	5928	6514	7285	NA
	Bearing Trees	3,128	4150	4560	5100	2078
	Production (MT)	140	207	191	204	87
	Yield (Kg/Bearing Tree)	45	50	42	40	42.41
Pear	Total Trees	7,195	6471	6985	7428	...
	Bearing Trees	3584	4530	4890	5200	2130
	Production (MT)	114	181	185	208	87.735
	Yield (Kg/Bearing Tree)	32	40	38	45	39.8
Plum	Total Trees	1619	2714	3285	3928	...
	Bearing Trees	1336	1900	2300	2750	1310
	Production (MT)	66	133	115	132	84
	Yield (Kg/Bearing Tree)	49	70	50	48	62.94
Arecanut	Total Trees	3,840	4855	5500	6166	...
	Bearing Trees	1,386	1450	1650	1850	...
	Production (MT)	13	20	33	37	...
	Yield (Kg/Bearing Tree)	9	14	20	20	...

**Table 5.9: Number of Major Fruits and Nuts production, (2017-2021)**

<b>Major fruits/Productions</b>		<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>
Walnut	Total Trees	1641	1302	1542	1771	...
	Bearing Trees	898	912	1080	1240	1080
	Production (MT)	30	23	24	31	27.5
	Yield (Kg/Bearing Tree)	33	25	23	25	25.8
Banana	Total Trees	15,975	18400	21000	25000	...
	Bearing Trees	8,374	9200	10500	12500	...
	Production (MT)	94	184	157	225	...
	Yield (Kg/Bearing Tree)	11	20	15	18	...
Persimmon	Total Trees	651	850	980	1020	...
	Bearing Trees	326	420	550	750	593
	Production (MT)	11	14	19	30	24.74
	Yield (Kg/Bearing Tree)	34	34	35	40	40.6

Source: Dzongkhag Agriculture Sector

**Table 5.10: Major Spices & Oilseeds production, (2016-2021)**

<b>Productions</b>		<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>
Cardamom	Area (acres)	159	359.86	359.86	...	...
	Production (MT)	3	12.31	12.31	...	...
	Yield (Kg/acre)	21	12310	12310	...	...
Ginger	Area (acres)	160	59	40	40	139
	Production (MT)	37	102	64	64	240
	Yield (Kg/acre)	233	1724	1583	1061	1656
Garlic	Area (acres)	264	189	193	...	319
	Production (MT)	51	97	90	...	149
	Yield (Kg/acre)	193	511	459.4	...	464.7
Onion	Area (acres)	42	...	41	...	234
	Production (MT)	43	...	1608	...	389.47
	Yield (Kg/acre)	1015	...	881	...	1693.8
Potato	Area (acres)	1940	1960	1940	1875	...
	Production (MT)	5596	5670	5670	6146	...
	Yield (Kg/acre)	2885	2800	2800	3113.23	...
Chili	Area (acres)	1771	817	630	575	570
	Production (MT)	1608	1285	796	11023	636.95
	Yield (Kg/acre)	908	1608	1202	1127.64	1127.6
Cabbage	Area (acres)	453	540	357	348	357
	Production (MT)	813	907	649	606.72	635.4
	Yield (Kg/acre)	1,797	2082	1804.705	1752.35	1747.6
Cauliflower	Area (acres)	176	280	166	242	223
	Production (MT)	195	405	192.86	203.56	164.3
	Yield (Kg/acre)	1112	1363	1152.9	820	710.6
Green Leaves	Area (acres)	419	179	144	...	302
	Production (MT)	122	196	167	...	354
	Yield (Kg/acre)	292	1098	1161	...	1161
Raddish	Area (acres)	...	366	332	332	282
	Production (MT)	...	1859	578	578	500

	Yield (Kg/acre)	...	680	1749.705882	617.05882	1756.5
Cucumber	Area (acres)	...	...	...	...	...
	Production (MT)	131	...	...	...	...
	Yield (Kg/acre)	...	...	...	...	...
Pumkin	Area (acres)	...	...	...	...	...
	Production (MT)	204	...	...	...	...
	Yield (Kg/acre)	...	...	...	...	...
Legume	Area (acres)	375	845	1100	565	339
	Production (MT)	204	528	575	575	95
	Yield (Kg/acre)	545	625	522	331	279
Mustard	Area (acres)	140	139	139	139	302
	Production (MT)	30	40	40	40	354
	Yield (Kg/acre)	213	282	282	282	1161
Soyabean	Area (acres)	1047	14.26	...	...	...
	Production (MT)	35	6.16	...	...	...
	Yield (Kg/acre)	329	432	...	...	...

Source: Dzongkhag Agriculture Sector