

Table 5.1: Agriculture Land Holdings by Type

Land holding	2020	2021	2022	2023	2024
Wet land	5420	1,070	1144.1	1555	1573
Dry land	30161	11653	12150.8	19340	19590
Orchad	60	...	120	700	800
Total area	35641	12,723	13,415	21595	21963

Source: Dzongkhag Agriculture Sector (cultivated & fellow land)

Table 5.2: Agriculture Infrastructures and Other Facilities, (2020-2024)

Details	2020	2021	2022	2023	2024
RNR centres	17	17	17	17	17
Agriculture Extension Centres	...	...	...	...	...
Livestock Extension Centres	1	0	0	0	0
Poultry farms	101	..	26	26	25
Fishery farms	16	14	14	14	16
Piggery farms	24	2	1	1	1
Functional Irrigation channels	...	73	65	...	...
Non-Functional Irrigation channels	...	62	60	73	75
Total length of channels (km)	...	97.94	195.54	196	210
Area covered by irrigation (acres)	...	1214.6	2143.1	2250	2268
Number of households benefitted by irrigation	1950	1347	2311	2480	2567
Number of food processing units	2	...	2	2	2
Number of agriculture mills ¹	...	...	...	...	...
Number of livestock product processing units	3	3	3	...	...
Number of power tillers	150	...	...	..	59

¹ Including traditional mills

Source: Dzongkhag Agriculture Office

Table 5.3: Cultivated Area, Production and Yield of Major Crops, (2020-2024)						
Crop/Productions		2020	2021	2022	2023	2024
Wheat	Area (Acres)	130	...	141.8	18.5	44.7
	Production (MTS)	63	...	106.4	7.8	16.3
	Yield (Kg/Acre)	488	...	695.7	421.62	364.65
Barley	Area (Acres)	1050	...	931.7	319.6	260.3
	Production (Mts)	575	...	705.4	144	104.8
	Yield (Kg/Acre)	548	...	739.4	450.56	1000
Paddy	Area (Acres)	1141	1123	1144.1	561.5	471
	Production (Mts)	1247	1305	1205.9	691	735.7
	Yield (Kg/Acre)	1093	1075	1046.5	1230.6	1561.99
Maize	Area (Acres)	11965	12029	12151	3958.5	4174.1
	Production (Mts)	16751	16788.45	17434	4776.9	5949.5
	Yield (Kg/Acre)	1400	1390	1400	1206.7	1425.33
Buckwheat	Area (Acres)	315	119.7	162.5	104.6	83.9
	Production (Mts)	110	119.66	52.3	40.9	34.1
	Yield (Kg/Acre)	360	358	321.4	391.01	406.43
Millet	Area (Acres)	25	...	...	10	7.5
	Production (Mts)	12.5	...	...	4.1	2.7
	Yield (Kg/Acre)	500	...	...	410	360

Source: Dzongkhag Agriculture Sector for 2020 to 2022 and, for 2023 and 2024 from Agriculture census 2023 and Survey 2024

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

Source: Dzongkhag Agriculture and Livestock sectors

Table 5.5: Farmers' Training Provided by RNR Sectors and DAMC, (2020-2024)

Sectors/sex	2020	2021	2022	2023	2024
Agriculture					
Male	...	...	0	...	...
Female	...	...	0	...	...
Total	...	...	0	...	...
Forestry					
Male	...	...	...	...	...
Female	...	...	...	...	...
Total	...	...	...	...	...
Livestock					
Male	161	0	0	...	...
Female	315	0	0	...	...
Total	476	0	0	...	...
DAMC					
Male	...	...	...	...	...
Female	...	...	...	...	...
Total	...	...	...	...	...

Source:

Table 5.6: Cereal Crops Cultivated Area & Production, (2021 & 2024)

Major crops	2021		2022		2023		2024	
	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	1,123	1305	1144.1	1205.9	562	691	471	735.7
Maize	12029	16788.45	12150.8	17433.8	3958.5	4776.9	4174.1	5949.5
Wheat	...	...	141.8	106.4	18.5	7.8	44.7	16.3
Barley	...	...	931.7	705.4	319.6	144	260.3	104.8
Buckwheat	119.7	119.66	162.5	52.3	104.6	40.9	83.9	34.1
Millet	...	...	...	...	10	4.1	7.5	2.7

Source: Integrated Agriculture and Livestock Census and Survey

Table 5.7: Livestock Population by Types, (2020-2024)

Types	2020	2021	2022	2023	2024
Cattle	25554	24983	23062	21156	...
Yak	0	0	0	0	0
Buffalo	0	0	0	0	0
Zo/Zom	0	0	0	0	0
Equine	568	381	238	259	217
Pig	127	120	78	57	59
Poultry	42588	55257	32618	27290	34223
Sheep	1	1	2	1	0
Goat	49	29	44	57	57
Cat	3565	4214	...	...	...
Dog	1618	1864	4445	...	...

Source:Dzongkhag Livestock Sector

Table 5.8: Livestock Productions, (2020-2024)

Livestock products	2020	2021	2022	2023	2024
Fresh Milk (MT)	5273.36	2997.33	3058.10	3461.95	3433.39
Butter (MT)	220.88	115.54	112.82	127.06	139.80
Cheese (MT)	669.51	221.34	202.17	218.48	258.60
Dried Cheese (Chugu)	0	0	0	0	0
Eggs (number)	754890	6315811	5,220,289	3,710,167	3,284,150
Fish (MT)	0.145	0	0	0.07	0.02
Beef(MT)	116.222	155.04	78.928	105.37	65.67
Pork (MT)	17.138	5.17	1.267	4.03	3.36
Yak Meat	...	0	0	0	0
Mutton	...	0.04	0.008	0.02	0
Chicken	...	0.6	6.16	1.83	1.18
Honey (liters)	...	0	5	...	...
Wool (kg)	...	0	2	...	...

Source: Dzongkhag Livestock Sector

Table 5.9: Number of Major Fruits and Nuts production, (2020-2024)

Major fruits/Productions		2020	2021	2022	2023	2024
Apple	Total Trees	...	...	...	2,428	3,958
	Bearing Trees	270	270	...	266	381
	Production (MT)	12.41	12.41	...	2.55	5.11
	Yield (Kg/Bearing Tree)	0.4596	0.4596	...	9.59	13.41
Mandarin	Total Trees	84714	...	...	130,484	128,412
	Bearing Trees	59300	56222	54570	58,266	61,091
	Production (MT)	2668	2380	2418.8	1,612.43	1,476.98
	Yield (Kg/Bearing Tree)	0.04499	0.04233	42.80000	27.67000	24.77000
Mango	Total Trees	4000	...	...	11,209	12,590
	Bearing Trees	2800	2752	3020	4,154	4,400
	Production (MT)	112	120	5810.5	83.47	87.21
	Yield (Kg/Bearing Tree)	40	42.79	48.7	20.09	19.82
Peach	Total Trees	7285	NA	...	4,825	4,052
	Bearing Trees	5100	2078	2192	3,202	2,860
	Production (MT)	204	87	89	55.7	50.88
	Yield (Kg/Bearing Tree)	40	42.41	41.1	17.4	17.79
Pear	Total Trees	7428	...	...	11,194	9,852
	Bearing Trees	5200	2130	2073	5,788	5,805
	Production (MT)	208	87.735	77.3	98.03	107.98
	Yield (Kg/Bearing Tree)	45	39.8	35.6	16.94	18.6
Plum	Total Trees	3928	...	...	1,940	1,465
	Bearing Trees	2750	1310	1324	1,457	1,195
	Production (MT)	132	84	88.6	37.31	34.85
	Yield (Kg/Bearing Tree)	48	62.94	55.9	25.61	29.16
Arecanut	Total Trees	6166	...	...	10,681	92,779
	Bearing Trees	1850	...	...	906	18,482
	Production (MT)	37	...	...	7.029	107.64
	Yield (Kg/Bearing Tree)	20	...	...	7.76	5.82
	Total Trees	1771	...	...	2,647	2,130

Walnut	Bearing Trees	1240	1080	1367	859	739
	Production (MT)	31	27.5	736.9	14.36	12.54
	Yield (Kg/Bearing Tree)	25	25.8	26.8	16.72	16.97
Banana	Total Trees	25000	...	...	60,169	45480
	Bearing Trees	12500	...	...	11,534	44170
	Production (MT)	225	...	...	108.36	60.71
	Yield (Kg/Bearing Tree)	18	...	...	9.39	1.37
Persimmon	Total Trees	1020	...	...	2,481	2,107
	Bearing Trees	750	593	715	745	822
	Production (MT)	30	24.74	28.5	8.47	13.21
	Yield (Kg/Bearing Tree)	40	40.6	34.3	11.34	16.07

Source: Dzongkhag Agriculture Sector

Table 5.10: Major Spices & Oilseeds production, (2020-2024)

Productions		2020	2021	2022	2023	2024
Cardamom	Area (acres)	...	...	...	377.71	264.96
	Production (MT)	...	...	...	46.05	53.22
	Yield (Kg/acre)	...	...	...	121.92	200.86
Ginger	Area (acres)	40	139	56.8	56.31	45.36
	Production (MT)	64	240	53	62.46	46.49
	Yield (Kg/acre)	1061	1656	894	1109.21	1024.91
Garlic	Area (acres)	...	319	211.4	45.93	38.21
	Production (MT)	...	149	103.9	29.14	34.84
	Yield (Kg/acre)	...	464.7	478.8	634.44	911.8
Onion	Area (acres)	...	234	79.4	25.87	13.69
	Production (MT)	...	389.47	87.3	20.58	10.24
	Yield (Kg/acre)	...	1693.8	737.5	795.52	747.99
Potato	Area (acres)	1875	...	2001.3	1,049.24	1,050.29
	Production (MT)	6146	...	6314.6	2,912.33	3,174.34
	Yield (Kg/acre)	3113.23	...	2907.1	2775.7	3022.3
Chili	Area (acres)	575	570	630.4	286.44	280.68
	Production (MT)	11023	636.95	728.2	394.09	402.76
	Yield (Kg/acre)	1127.64	1127.6	1103	1375.82	1434.94
Cabbage	Area (acres)	348	357	416.5	119.35	108.96
	Production (MT)	606.72	635.4	739.3	162.36	163.86
	Yield (Kg/acre)	1752.35	1747.6	1746.8	1360.37	1503.85
Cauliflower	Area (acres)	242	223	248.7	76.93	81.68
	Production (MT)	203.56	164.3	309.7	94.18	105.38
	Yield (Kg/acre)	820	710.6	1133.8	1224.23	1290.16
Green Leaves	Area (acres)	...	302	170.8	Na	Na
	Production (MT)	...	354	184.5	130.05	127.17
	Yield (Kg/acre)	...	1161	1082.8	Na	Na
Raddish	Area (acres)	332	282	300.2	145.37	144.88
	Production (MT)	578	500	519.2	216.44	244.55

	Yield (Kg/acre)	1617.058824	1756.5	478.8	1488.89	1687.95
Cucumber	Area (acres)	...	...	...	61.25	61.38
	Production (MT)	...	...	...	126.79	125.54
	Yield (Kg/acre)	...	...	...	2070	2040
Pumkin	Area (acres)	...	...	...	Na	Na
	Production (MT)	...	...	...	314.2	327.04
	Yield (Kg/acre)	...	...	...	Na	Na
Legume	Area (acres)	565	339	491.6	Na	Na
	Production (MT)	575	95	144.4	Na	Na
	Yield (Kg/acre)	331	279	297.7	Na	Na
Mustard	Area (acres)	139	302	146.5	39.43	63.36
	Production (MT)	40	354	31.5	11.22	17.45
	Yield (Kg/acre)	282	1161	197.6	284.55	275.41
Soyabean	Area (acres)	...	...	...	7.84	18.51
	Production (MT)	...	...	...	2.4	4.78
	Yield (Kg/acre)	...	...	...	306.12	258.24

Source: Dzongkhag Agriculture Sector