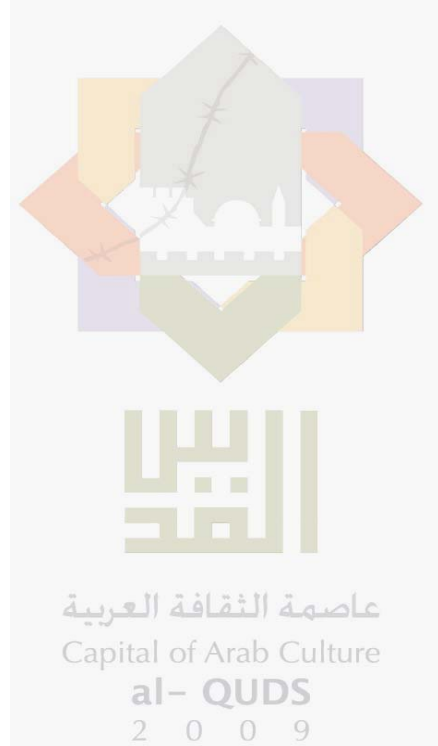
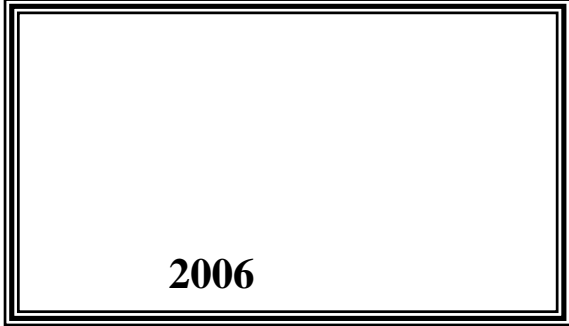


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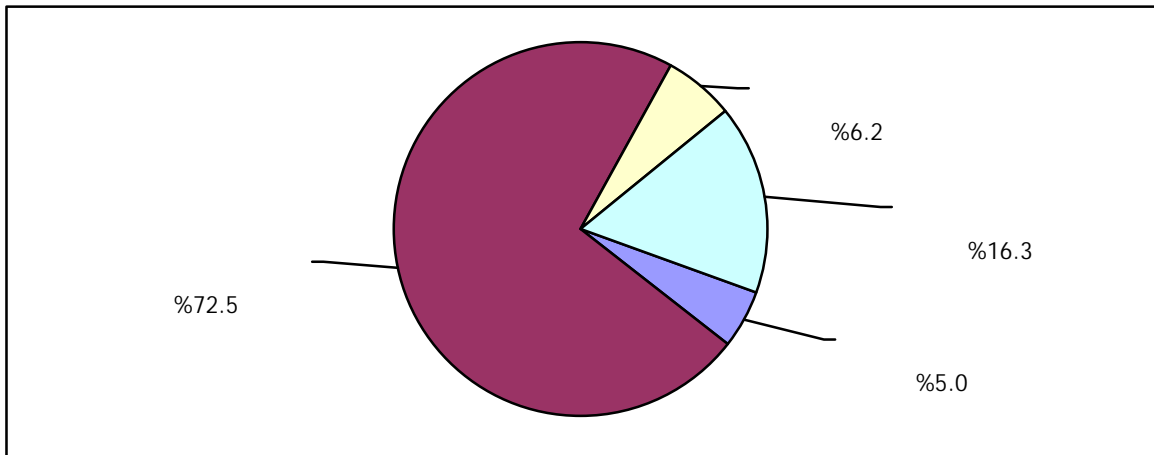
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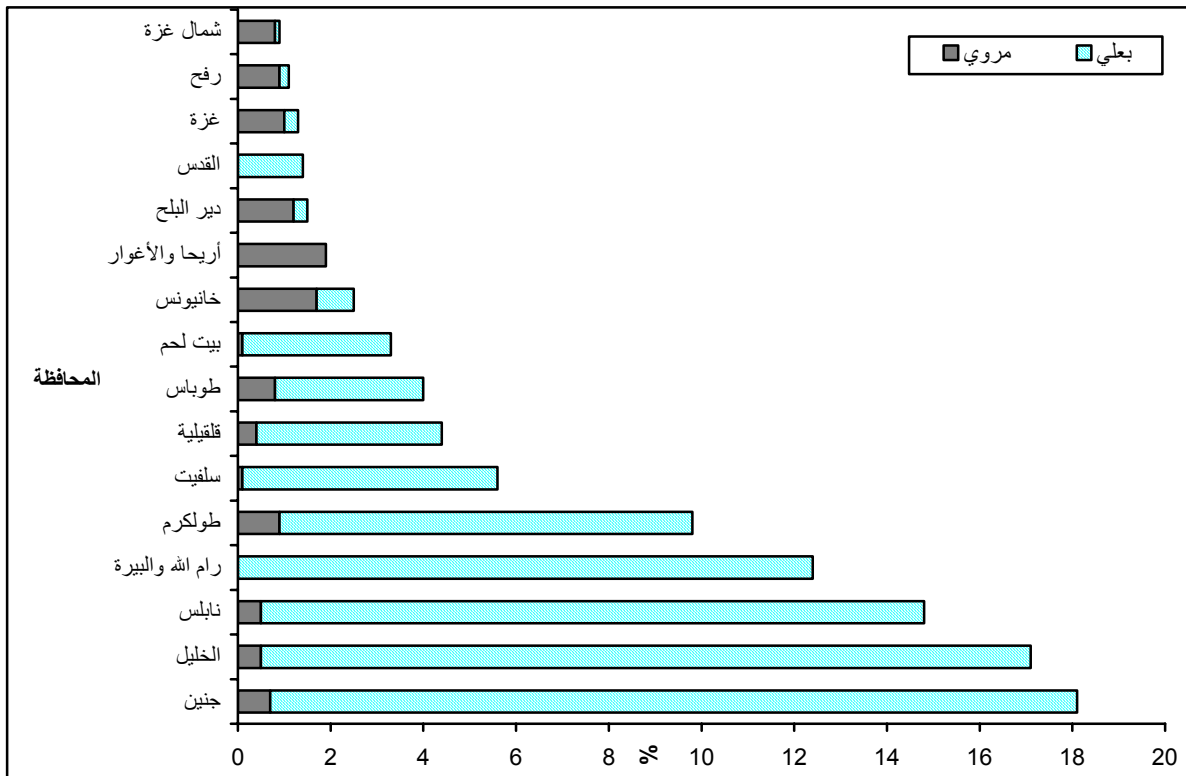
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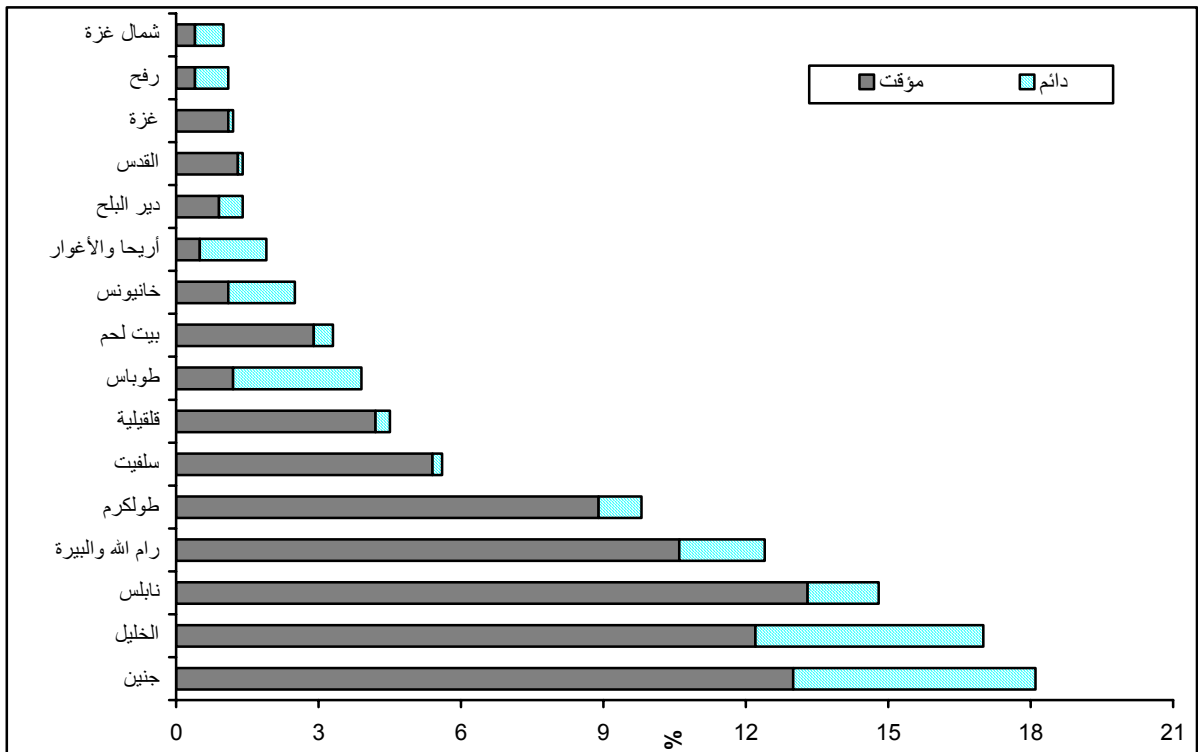
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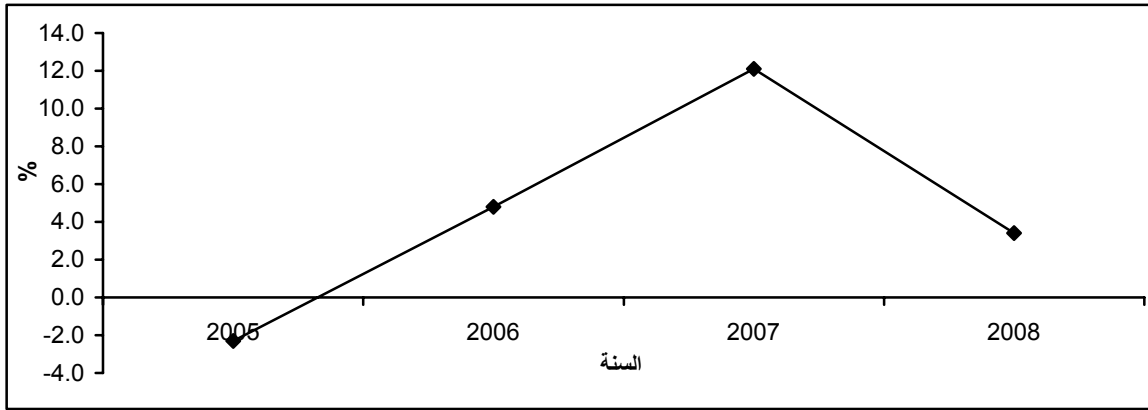
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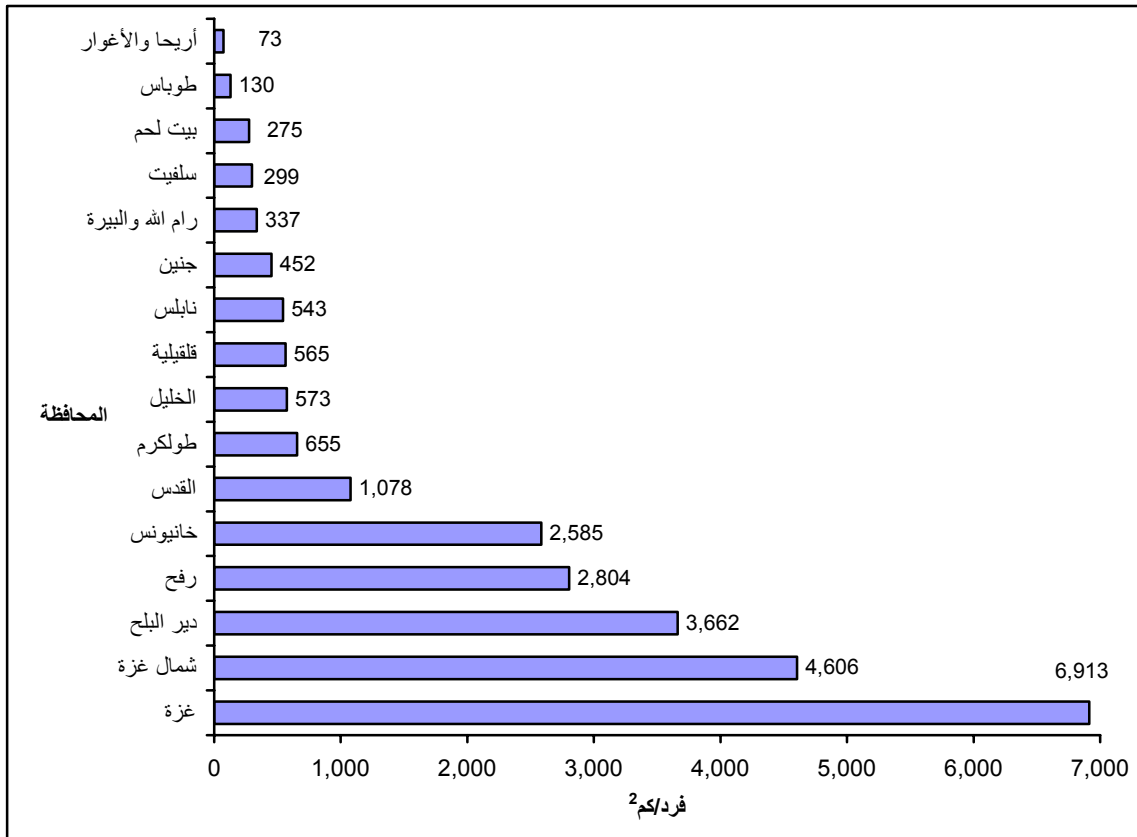


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Tables

2008 - 2000

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Table 1: Selected Indicators for Land Use in the Palestinian Territory, 2000 – 2008

Indicator	Year									
	2008	2007	2006	2005	2004	2003	2002	2001	2000	
Area of Cultivated Land (km ²)	1,513.0	1,500.2	1,481.5	1,490.6	1,488.2	1,486.5	1,516.3	1,495.0	1,514.8	(²)
Area of Forests and Wooded Land (km ²)	94.3	94.3	91.7	91.7	91.7	91.7	91.7	91.7	90.8	(²)
Area of Permanent Cultivated Land (km ²)	1,172.2	1,164.9	1,136.6	1,147.6	1,152.7	1,158.1	1,181.3	1,174.4	1,192.6	(²)
Area of Temporary Cultivated Land (km ²)	340.8	335.3	344.9	343.0	335.5	328.4	335.0	320.6	322.2	(²)
Area of Irrigated Cultivated Land (km ²)	169.6	176.6	165.1	153.8	158.2	153.3	162.2	162.1	161.6	(²)
Area of Rain-fed Cultivated Land (km ²)	1,343.4	1,323.6	1,316.4	1,336.8	1,330.0	1,333.2	1,354.1	1,332.9	1,353.2	(²)
Yield of Irrigated Cultivated Land (ton\ km ²)	5,143.4	4,713.5	4,950.8	5,134.3	4,687.7	4,743.8	4,686.7	4,671.2	4,677.1	(² /)
Yield of Rain-fed Cultivated Land (ton\ km ²)	196.5	171.0	256.6	225.9	257.4	213.3	314.8	159.6	278.6	(² /)
Value of Agricultural Production of Cultivated Land (1000 US \$\ km ²)	549.8	473.2	405.4	331.9	292.2	318.7	334.3	288.3	415.5	(² / 1000)
Area of Permanent Cultivated Land Per Capita (m ²)	302.1	309.2	292.3	305.1	316.9	309.8	331.8	356.0	407.9	(²)

2008 2007

:2

Table 2: Area of Cultivated Land in the Palestinian Territory by Cultivation Type, Irrigation and Governorate, 2007, 2008

Governorate	(²) Total (km²)		Cultivation Type & Irrigation							
			(²) Temporary Crops (km²)				(²) Permanent Crops (km²)			
	Rain-fed		Irrigated		Rain-fed		Irrigated			
	2008	2007	2008	2007	2008	2007	2008	2007	2008	2007
Palestinian Territory	1,513.0	1,500.2	246.8	241.5	94.0	93.8	1,096.6	1,082.1	75.6	82.8
West Bank	1,403.1	1,376.5	229.0	220.5	61.7	57.0	1,087.6	1,075.6	24.8	23.4
Jenin	274.1	275.9	67.1	68.9	9.8	10.2	196.8	196.5	0.4	0.3
Tubas	60.5	49.2	31.1	20.8	10.5	9.5	18.0	17.6	0.9	1.3
Tulkarm	147.5	135.2	4.6	4.3	8.7	6.9	130.0	120.8	4.2	3.2
Nablus	223.9	221.7	18.1	17.1	4.0	3.3	198.4	198.0	3.4	3.3
Qalqiliya	67.8	66.2	2.1	2.0	2.7	2.7	58.9	57.7	4.1	3.8
Salfit	84.7	84.5	2.3	2.1	0.7	0.7	81.6	81.6	0.1	0.1
Ramallah and Al- Bireh	187.8	184.9	26.2	23.0	0.5	0.4	161.0	161.4	0.1	0.1
Jericho and Al-Aghwar	28.1	25.7	0.0	-	21.2	20.0	0.0	-	6.9	5.7
Jerusalem	21.6	20.6	1.7	1.6	0.1	0.1	19.8	18.9	0.0	-
Bethlehem	49.5	51.4	5.4	5.8	0.9	0.8	42.9	44.5	0.3	0.3
Hebron	257.6	261.2	70.4	74.9	2.6	2.4	180.2	178.6	4.4	5.3
Gaza Strip	109.9	123.7	17.8	21.0	32.3	36.8	9.0	6.5	50.8	59.4
North Gaza	14.5	15.2	2.0	2.1	7.2	7.8	0.2	0.2	5.1	5.1
Gaza	18.7	25.3	1.1	1.4	1.1	1.3	3.1	0.6	13.4	22.0
Deir Al- Balah	21.8	23.4	2.6	2.7	5.0	6.5	1.6	1.6	12.6	12.6
Khan Yunis	37.5	41.7	10.0	12.4	10.5	12.3	2.5	2.5	14.5	14.5
Rafah	17.4	18.1	2.1	2.4	8.5	8.9	1.6	1.6	5.2	5.2

2008

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Table 3: Area, Population, and Population Density in the Palestinian Territory by Governorate, 2008

Governorate	(² /) Population Density (Capital km ²)	2008 Population End of Year 2008	(²) Area (km ²)
Palestinian Territory	645	3,880,381	6,020
West Bank	427	2,416,807	5,655
Jenin	452	263,622	583
Tubas	130	52,071	402
Tulkarm	655	161,131	246
Nablus	543	328,603	605
Qalqiliya	565	93,726	166
Salfit	299	61,012	204
Ramallah and Al- Bireh	337	288,412	855
Jericho and Al-Aghwar	73	43,574	593
Jerusalem	1,078	371,780	345
Bethlehem	275	181,328	659
Hebron	573	571,548	997
Gaza Strip	4,010	1,463,574	365
North Gaza	4,606	280,966	61
Gaza	6,913	511,537	74
Deir Al-Balah	3,662	212,412	58
Khan Yunis	2,585	279,210	108
Rafah	2,804	179,449	64

2008

Table 4: Area of Permanent Cultivated Land, Population and Area of Permanent Cultivated Land Per Capita in the Palestinian Territory by Governorate, 2008

Governorate	(²) Area of Permanent Cultivated Land Per Capita (m ²)	2008 Population End of Year 2008	(²) Area of Permanent Cultivated Land (km ²)
Palestinian Territory	302.1	3,880,381	1,172.2
West Bank	460.3	2,416,807	1,112.4
Jenin	748.0	263,622	197.2
Tubas	363.0	52,071	18.9
Tulkarm	832.9	161,131	134.2
Nablus	614.1	328,603	201.8
Qalqiliya	672.2	93,726	63.0
Salfit	1,339.1	61,012	81.7
Ramallah and Al- Bireh	558.6	288,412	161.1
Jericho and Al-Aghwar	158.4	43,574	6.9
Jerusalem	53.3	371,780	19.8
Bethlehem	238.2	181,328	43.2
Hebron	323.0	571,548	184.6
Gaza Strip	40.9	1,463,574	59.8
North Gaza	18.9	280,966	5.3
Gaza	32.3	511,537	16.5
Deir Al- Balah	66.9	212,412	14.2
Khan Yunis	60.9	279,210	17.0
Rafah	37.9	179,449	6.8

Table 5: Area, Cultivated Land Area and Percent of Cultivated Land Area by Governorate, 2007, 2008

Governorate	Percent of Cultivated Land Area from Total Area		Area of Cultivated Land (km ²)		Area (km ²)
	2008	2007	2008	2007	
Palestinian Territory	25.1	24.9	1,513.0	1,500.2	6,020
West Bank	24.8	24.3	1,403.1	1,376.5	5,655
Jenin	47.0	47.3	274.1	275.9	583
Tubas	15.0	12.2	60.5	49.2	402
Tulkarm	60.0	55.0	147.5	135.2	246
Nablus	37.0	36.6	223.9	221.7	605
Qalqiliya	40.8	39.9	67.8	66.2	166
Salfit	41.5	41.4	84.7	84.5	204
Ramallah and Al- Bireh	22.0	21.6	187.8	184.9	855
Jericho and Al-Aghwar	4.7	4.3	28.1	25.7	593
Jerusalem	6.3	6.0	21.6	20.6	345
Bethlehem	7.5	7.8	49.5	51.4	659
Hebron	25.8	26.2	257.6	261.2	997
Gaza Strip	30.1	33.9	109.9	123.7	365
North Gaza	23.8	24.9	14.5	15.2	61
Gaza	25.3	34.2	18.7	25.3	74
Deir Al- Balah	37.6	40.3	21.8	23.4	58
Khan Yunis	34.7	38.6	37.5	41.7	108
Rafah	27.2	28.3	17.4	18.1	64

2008 2007

Table 6: Area of Cultivated Land, Area of Irrigated Cultivated Land, and Percent of Irrigated Cultivated Land by Governorate, 2007, 2008

Governorate	Percent of Irrigated Cultivated Land from Total Cultivated Area		Area of Irrigated Cultivated Land (km ²)		Area of Cultivated Land (km ²)	
	2008	2007	2008	2007	2008	2007
Palestinian Territory	11.2	11.8	169.6	176.6	1,513.0	1,500.2
West Bank	6.2	5.8	86.5	80.4	1,403.1	1,376.5
Jenin	3.7	3.8	10.2	10.5	274.1	275.9
Tubas	18.8	22.0	11.4	10.8	60.5	49.2
Tulkarm	8.7	7.5	12.9	10.1	147.5	135.2
Nablus	3.3	3.0	7.4	6.6	223.9	221.7
Qalqiliya	10.0	9.8	6.8	6.5	67.8	66.2
Salfit	0.9	0.9	0.8	0.8	84.7	84.5
Ramallah and Al- Bireh	0.3	0.3	0.6	0.5	187.8	184.9
Jericho and Al-Aghwar	100.0	100.0	28.1	25.7	28.1	25.7
Jerusalem	0.5	0.5	0.1	0.1	21.6	20.6
Bethlehem	2.4	2.1	1.2	1.1	49.5	51.4
Hebron	2.7	2.9	7.0	7.7	257.6	261.2
Gaza Strip	75.6	77.8	83.1	96.2	109.9	123.7
North Gaza	84.8	84.9	12.3	12.9	14.5	15.2
Gaza	77.5	92.1	14.5	23.3	18.7	25.3
Deir Al-Balah	80.7	81.6	17.6	19.1	21.8	23.4
Khan Yunis	66.7	64.3	25.0	26.8	37.5	41.7
Rafah	78.7	77.9	13.7	14.1	17.4	18.1

2008 2007

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Table 7: Area of Cultivated Land, Amount of Plant Production and Yield of Cultivated Land by Irrigation and Governorate, 2007, 2008

Governorate	⁽¹⁾ (² /) Yield of Cultivated Land (ton\ km ²) ⁽¹⁾				⁽¹⁾ () Amount of Plant Production (ton) ⁽¹⁾				⁽²⁾) Area of Cultivated Land (km ²)			
	Rain-fed		Irrigated		Rain-fed		Irrigated		Rain-fed		Irrigated	
	2008	2007	2008	2007	2008	2007	2008	2007	2008	2007	2008	2007
Palestinian Territory	196.5	171.0	5,143.4	4,713.5	263,958	226,305	872,313	832,409	1,343.4	1,323.6	169.6	176.6
West Bank	192.6	162.8	6,254.8	5,550.4	253,530	210,946	541,043	446,254	1,316.6	1,296.1	86.5	80.4
Jenin	251.3	250.8	11,883.7	8,435.7	66,329	66,550	121,214	88,575	263.9	265.4	10.2	10.5
Tubas	246.7	411.4	6,343.7	5,923.1	12,114	15,799	72,318	63,969	49.1	38.4	11.4	10.8
Tulkarm	178.8	62.0	8,565.0	7,968.0	24,060	7,752	110,489	80,477	134.6	125.1	12.9	10.1
Nablus	142.7	82.8	4,618.8	3,672.3	30,884	17,819	34,179	24,237	216.5	215.1	7.4	6.6
Qalqiliya	110.9	48.2	7,206.0	7,101.1	6,763	2,879	49,001	46,157	61.0	59.7	6.8	6.5
Salfit	118.7	55.0	3,970.0	4,185.0	9,957	4,602	3,176	3,348	83.9	83.7	0.8	0.8
Ramallah and Al- Bireh	153.5	101.9	6,901.7	6,548.0	28,738	18,799	4,141	3,274	187.2	184.4	0.6	0.5
Jericho and Al-Aghwar	-	-	3,873.0	3,716.5	-	-	108,831	95,514	-	-	28.1	25.7
Jerusalem	239.6	236.3	5,580.0	8,780.0	5,151	4,845	558	878	21.5	20.5	0.1	0.1
Bethlehem	175.5	236.4	6,388.3	6,433.6	8,478	11,892	7,666	7,077	48.3	50.3	1.2	1.1
Hebron	243.6	236.7	4,210.0	4,253.0	61,056	60,009	29,470	32,748	250.6	253.5	7.0	7.7
Gaza Strip	389.1	558.5	3,986.4	4,014.1	10,428	15,359	331,270	386,155	26.8	27.5	83.1	96.2
North Gaza	635.0	694.3	4,258.5	4,471.5	1,397	1,597	52,380	57,682	2.2	2.3	12.3	12.9
Gaza	665.2	700.5	2,074.1	1,787.8	2,794	1,401	30,075	41,655	4.2	2.0	14.5	23.3
Deir Al- Balah	328.8	435.8	3,008.5	3,557.1	1,381	1,874	52,949	67,940	4.2	4.3	17.6	19.1
Khan Yunis	312.8	595.6	3,822.2	4,254.3	3,910	8,874	95,555	114,016	12.5	14.9	25.0	26.8
Rafah	255.7	403.3	7,322.0	7,437.0	946	1,613	100,311	104,862	3.7	4.0	13.7	14.1

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⁽¹⁾: Data does not Include Cut Flowers.⁽¹⁾.

Table 8: Area of Cultivated Land, Total Value of Plant Production, Value of Plant Production per km², Total Value Added of Plant Production and Value Added of Plant Production Per km² by Governorate, 2007, 2008

Governorate	2 (1,000) Total Value Added of Plant Production per km ² (1,000US\$)		(1,000) Total Value Added of Plant Production (1,000US\$)		2 (1,000) Value of Plant Production per km ² (1,000US\$)		(1,000) Total Value of Plant Production (1,000US\$)		(²) Area of Cultivated Land (km ²)	
	2008	2007	2008	2007	2008	2007	2008	2007	2008	2007
Palestinian Territory	429.1	371.9	649,283	557,970	549.8	473.2	831,893	709,923	1,513.0	1,500.2
West Bank	329.4	231.6	462,216	318,840	432.4	317.0	606,637	436,294	1,403.1	1,376.5
Jenin	361.7	281.2	99,132	77,580	478.1	379.4	131,044	104,683	274.1	275.9
Tubas	645.9	783.7	39,078	38,557	874.1	993.9	52,883	48,901	60.5	49.2
Tulkarm	561.3	338.5	82,792	45,761	698.1	442.3	102,965	59,800	147.5	135.2
Nablus	207.1	97.8	46,372	21,686	246.5	130.0	55,190	28,812	223.9	221.7
Qalqiliya	524.4	450.9	35,552	29,852	646.1	558.8	43,808	36,990	67.8	66.2
Salfit	120.9	49.2	10,237	4,155	151.3	75.7	12,813	6,393	84.7	84.5
Ramallah and Al- Bireh	130.8	61.8	24,568	11,429	161.9	87.6	30,400	16,188	187.8	184.9
Jericho and Al-Aghwar	2,003.8	1,630.0	56,307	41,891	2,579.6	2,107.3	72,487	54,157	28.1	25.7
Jerusalem	162.9	132.2	3,519	2,723	233.8	198.5	5,051	4,089	21.6	20.6
Bethlehem	130.9	138.9	6,479	7,137	253.8	245.8	12,565	12,633	49.5	51.4
Hebron	225.9	145.7	58,180	38,069	339.4	243.7	87,431	63,648	257.6	261.2
Gaza Strip	1,702.2	1,933.1	187,067	239,130	2,049.6	2,212.0	225,256	273,629	109.9	123.7
North Gaza	1,718.1	1,705.7	24,912	25,927	2,276.6	2,077.4	33,010	31,576	14.5	15.2
Gaza	1,308.7	765.7	24,472	19,371	1,507.3	913.6	28,186	23,115	18.7	25.3
Deir Al- Balah	1,519.8	1,832.4	33,132	42,878	1,729.6	2,027.5	37,705	47,444	21.8	23.4
Khan Yunis	1,281.6	1,878.0	48,061	78,314	1,598.4	2,155.1	59,939	89,867	37.5	41.7
Rafah	3,246.6	4,013.3	56,490	72,640	3,817.0	4,509.8	66,416	81,627	17.4	18.1

2008-2005 (²) :9
Table 9: Change in Area of Cultivated Land (km²) by Irrigation and Governorate, 2005- 2008

Governorate	2008		2007		2006		2005		(*1998) Base Year (1998*)	
	Irrigated	Rain-fed	Irrigated	Rain-fed	Irrigated	Rain-fed	Irrigated	Rain-fed	Irrigated	Rain-fed
Palestinian Territory	12.1	-3.8	19.1	-23.5	7.6	-30.7	-3.7	-10.3	157.5	1,347.1
West Bank	17.0	21.0	10.9	0.6	10.3	-11.8	2.5	9.9	69.5	1,295.5
Jenin	2.4	-19.6	2.7	-18.1	4.4	-24.0	4.1	-18.8	7.8	283.5
Tubas	2.5	14.2	1.9	3.5	3.4	4.8	1.1	4.4	8.9	34.9
Tulkarm	1.6	4.4	-1.2	-5.1	-0.1	-10.0	-4.5	6.3	11.3	130.2
Nablus	1.4	-25.1	0.6	-26.5	0.2	-22.9	-0.3	-25.1	6.0	241.6
Qalqiliya	-3.9	5.3	-4.2	4.0	-4.3	1.6	-4.6	1.4	10.7	55.7
Salfit	0.7	3.7	0.7	3.5	0.7	3.0	0.6	2.7	0.1	80.2
Ramallah and Al- Bireh	0.3	5.6	0.2	2.8	0.3	4.5	0.4	4.5	0.3	181.6
Jericho and Al-Aghwar	5.1	0.0	2.7	0.0	2.5	0.0	2.8	0.0	23.0	0.0
Jerusalem	0.1	8.0	0.1	7.0	0.0	6.0	0.0	5.7	0.0	13.5
Bethlehem	0.4	2.3	0.3	4.3	0.2	3.2	0.3	11	0.8	46.0
Hebron	6.4	22.2	7.1	25.2	3.0	22.0	2.6	17.8	0.6	228.3
Gaza Strip	-4.9	-24.8	8.2	-24.1	-2.7	-18.9	-6.2	-20.2	88.0	51.6
North Gaza	-14.8	0.3	-14.2	0.4	-14.6	0.5	-15.8	-	27.1	1.9
Gaza	-2.8	-9.1	6.0	-11.3	-2.5	-7.8	-1.8	-8.6	17.3	13.3
Deir Al- Balah	-0.7	-2.7	0.8	-2.6	-1.0	-1.5	-2.1	-1.7	18.3	6.9
Khan Yunis	8.0	-8.3	9.8	-5.9	8.6	-5.6	6.0	-5.9	17.0	20.8
Rafah	5.4	-5.0	5.8	-4.7	6.8	-4.5	7.5	-4.0	8.3	8.7

* Jerusalem Governorate data exclude those parts of Jerusalem, which were annexed by Israel in 1967.

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2008-2005

(²)

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Table 10: Change in Area of Cultivated Land (km²) by Cultivation Type and Governorate, 2005- 2008

Governorate	2008		2007		2006		2005		(*1998) Base Year (1998*)	
	Temporary Crops	Permanent Crops	Temporary Crops	Permanent Crops	Temporary Crops	Permanent Crops	Temporary Crops	Permanent Crops	Temporary Crops	Permanent Crops
Palestinian Territory	-15.6	23.9	-21.0	16.6	-11.4	-11.7	-13.3	-0.7	356.3	1,148.3
West Bank	-10.9	48.9	-24.0	35.5	-17.4	15.9	-14.1	26.5	301.5	1,063.5
Jenin	0.8	-18.0	3.0	-18.4	3.2	-22.8	6.1	-20.8	76.1	215.2
Tubas	9.8	6.9	-1.5	6.9	3.6	4.6	2.2	3.3	31.8	12.0
Tulkarm	1.2	4.8	-0.9	-5.4	-1.7	-8.4	-3.1	4.9	12.1	129.4
Nablus	-14.9	-8.8	-16.6	-9.3	-15.2	-7.5	-17.4	-8.0	37.0	210.6
Qalqiliya	-3.1	4.5	-3.2	3.0	-3.3	0.6	-3.6	0.4	7.9	58.5
Salfit	-0.9	5.3	-1.1	5.3	-1.0	4.7	-1.1	4.4	3.9	76.4
Ramallah and Al- Bireh	4.5	1.4	1.2	1.8	0.6	4.2	1.8	3.1	22.2	159.7
Jericho and Al-Aghwar	7.4	-2.3	6.2	-3.5	5.9	-3.4	5.1	-2.3	13.8	9.2
Jerusalem	-0.3	8.4	-0.4	7.5	-0.3	6.3	-0.3	6.0	2.1	11.4
Bethlehem	-4.0	6.7	-3.7	8.3	-4.9	8.3	0.5	10.8	10.3	36.5
Hebron	-11.4	40.0	-7.0	39.3	-4.3	29.3	-4.3	24.7	84.3	144.6
Gaza Strip	-4.7	-25.0	3.0	-18.9	6.0	-27.6	0.8	-27.2	54.8	84.8
North Gaza	-0.1	-14.4	0.6	-14.4	0.8	-14.9	-1.0	-14.8	9.3	19.7
Gaza	-4.9	-7.0	-4.4	-0.9	-3.0	-7.3	-3.5	-6.9	7.1	23.5
Deir Al- Balah	0.6	-4.0	2.2	-4.0	1.6	-4.1	0.4	-4.2	7.0	18.2
Khan Yunis	-3.6	3.3	0.6	3.3	1.4	1.6	-1.1	1.2	24.1	13.7
Rafah	3.3	-2.9	4.0	-2.9	5.2	-2.9	6.0	-2.5	7.3	9.7

* Jerusalem Governorate data exclude those parts of Jerusalem, which were annexed by Israel in 1967.

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2007

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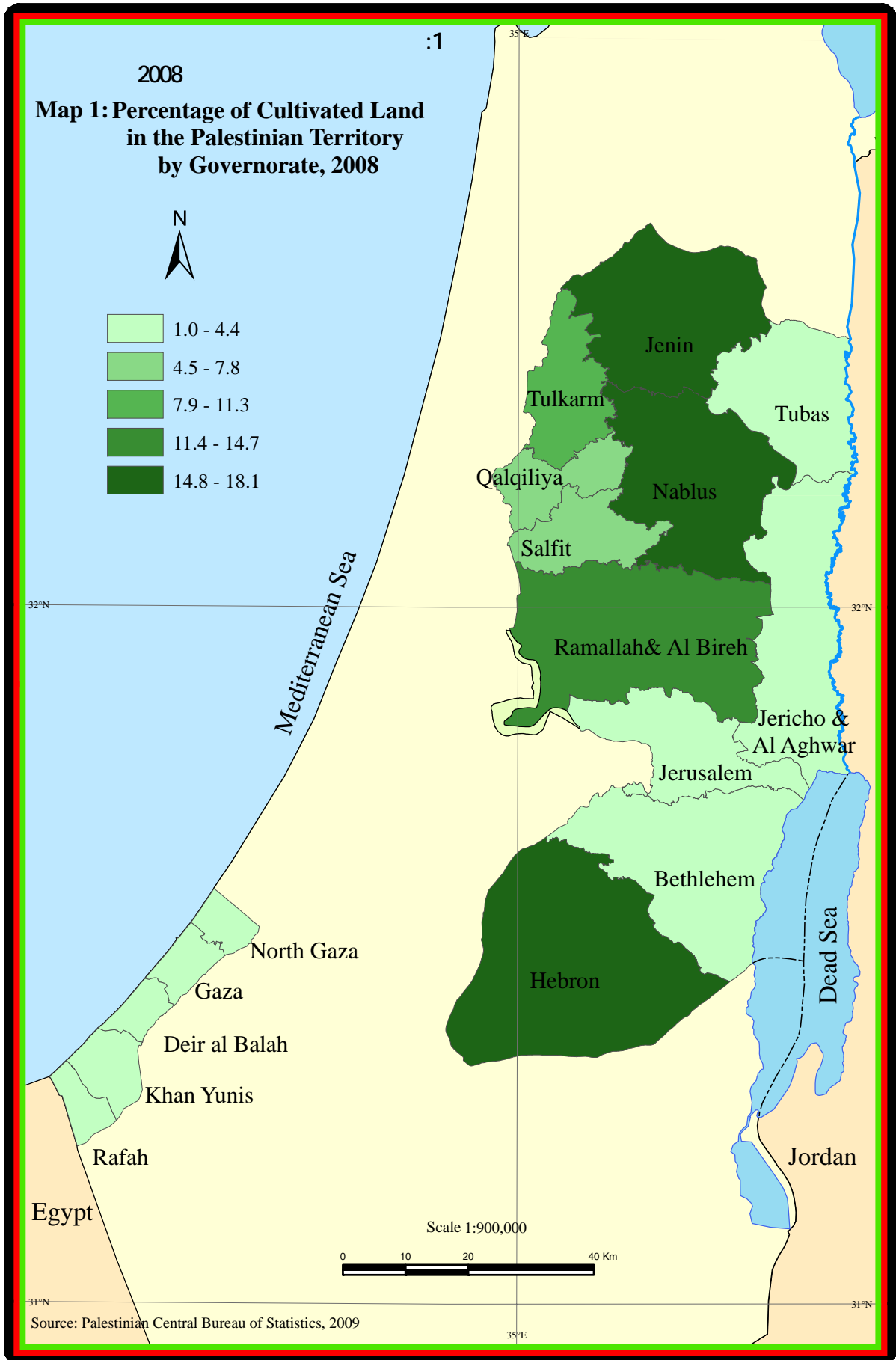
Table 11: Area of Forests and Wooded Land, Natural Reserves and Pastures (km²) in the Palestinian Territory by Governorate, 2007

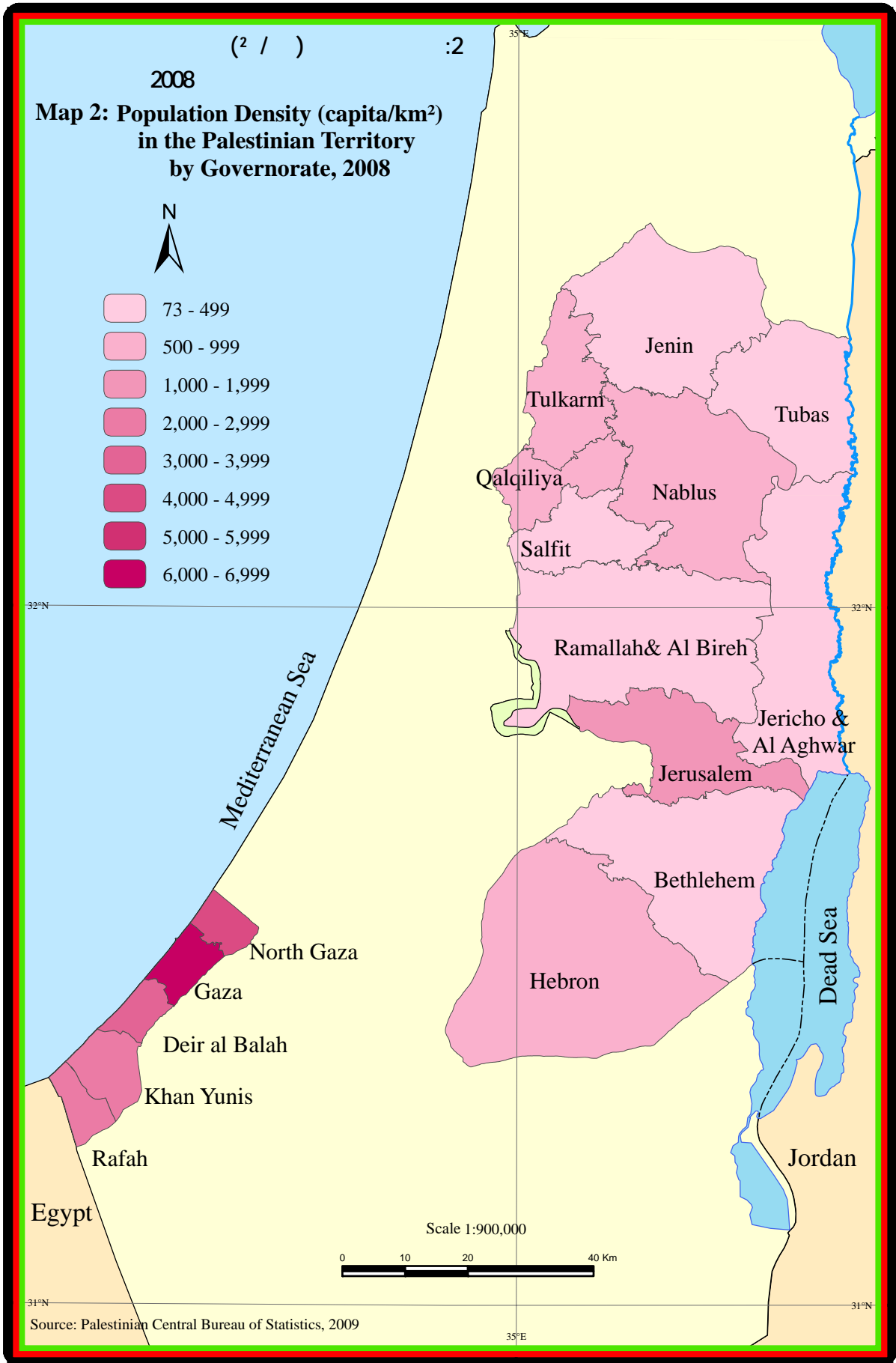
Governorate	* Pastures*	Natural Reserves	Forests and Wooded Land	
Palestinian Territory	621.0	514.7	94.3	
West Bank	621.0	514.3	91.1	
Jenin	54.0	62.9	33.2	
Tubas	33.0	19.2	22.0	
Tulkarm	18.0	0.5	1.2	
Nablus	23.0	113.0	2.4	
Qalqiliya	12.0	-	2.5	
Salfit	36.0	9.8	11.8	
Ramallah and Al- Bireh	35.0	34.9	2.1	
Jericho and Al-Aghwar	..	37.0	3.5	
Jerusalem	12.0	202.0	2.0	
Bethlehem	38.0	22.0	1.4	
Hebron	360.0	13.0	9.0	
Gaza Strip	-	0.4	3.2	

*: Represent the Area of Pastures Under Palestinian National Authority

.*

Maps







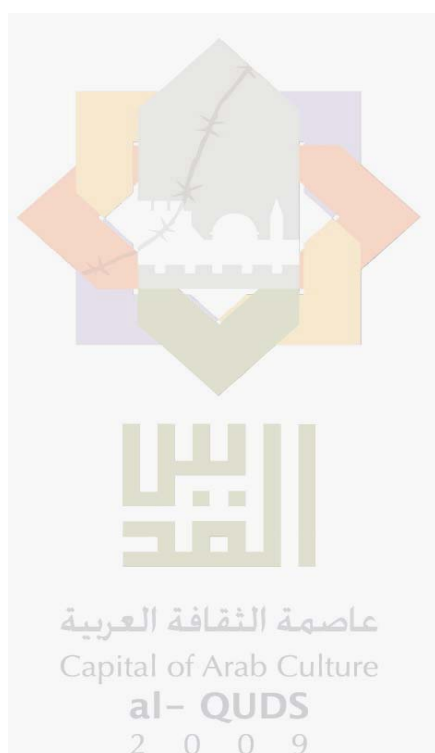
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Palestinian Central Bureau of Statistics**

**Land Use Statistics
in the Palestinian Territory, 2008**

December, 2009

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On this occasion, PCBS extends special thanks to the members of the CFG and the EU for their support.

Important Note

Some area indicators differ from table to table due to the method of calculating areas by the sources.

The data for cultivated area was not collected according to the international recommendations for the statistical unit, so users should deal carefully with this data.

For the preparation of this report, the value-added is calculated on the basis of the agricultural year, which extends from 01/10/2007 to 30/09/2008, more details about calculating the value added can be found in the methodology chapter of the Agricultural Statistics 2007/2008 report.

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Preface

Land use statistics are considered one of the most important fields in official statistics. There is a need for producing periodic and reliable data on the distribution of land by use. The main objective of this type of data is to monitor the basic changes on land use and other natural resources over time. This information contributes to the planning and development process, including legislation aiming at organizing the use of the land and other available natural resources.

PCBS has established a statistical program concerning land use. The main objective of this program is to develop a reliable statistical database on the various subjects concerning land use. This database will provide the decision-makers with important instruments for planning and policy making that will serve the national benefit by efficient allocation of the limited natural resources in the most suitable way.

This report is one of a series of reports on land use. It focuses on the most important statistical indicators of land use, which describe some activities such as agriculture and environment.

PCBS hopes that this report will form a base for the development of land use studies in the Palestinian institutions, and will contribute to provide decision-makers with accurate and reliable land use statistics.

December, 2009

**Ola Awad
Acting President**

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Executive Summary

Data reveals that the area of cultivated land totals about 1,513.0 km² (of this 1,172.2 km² are cultivated with permanent crops and 340.8 km² are cultivated with temporary crops). In addition, the irrigated cultivated area totals 169.6 km², while the rain-fed cultivated area totals 1,343.4 km² during the year 2008. In addition, data show that the cultivated land in the West Bank is mainly comprised of land cultivated with permanent crops, which represent 79.3% of the total cultivated land in the West Bank, of them 1.8% are irrigated and 77.5% rain-fed, while it represents 54.4% in Gaza Strip, of them 46.2% irrigated and 8.2% rain-fed.

Data shows that the yield per km² of the total irrigated cultivated land in the Palestinian Territory is about 5,143.4 ton/ km², and 196.5 ton/km² for rain-fed cultivated land. In addition, the value of plant production in the Palestinian Territory is about 831.9 thousand US\$/km² of cultivated land, while the value added of plant production in the Palestinian Territory is about 649.3 thousand US\$/km² of cultivated land.

During 2008 data indicates that population density in the Palestinian Territory is 645 capita/ km² at the end of 2008, and regionally is 427 capita/ km² in the West Bank and 4,010 capita/ km² in Gaza Strip.

In 2007 data shows that the area of forests and wooded land in the Palestinian Territory reach 94.3 km², of them 91.1 km² in the West Bank and 3.2 km² in Gaza Strip. The highest area covered by forests and wooded land is found in Jenin and Tubas Governorates, 33.2 km² and 22.0 km² respectively; on the other hand, the area of natural reserves in the Palestinian Territory amounted to 514.7 km², of them 202.0 km² in Jerusalem Governorate.

Chapter One

Introduction

1.1 Introduction

Land use statistics are some of the most important statistical fields in the world. They gained international concern because of their importance in planning policies, natural resources management, and enhancing laws to organize the use of land.

There is an increasing and urgent need for land use statistics in the Palestinian Territory. PCBS established a land use statistics program to collect and disseminate land use statistics to be used in research and policy planning.

This report is a result of PCBS efforts to establish a comprehensive database on land use in the Palestinian Territory. Data was collected from the administrative records of different sources and tabulated to suit the objectives of the report.

1.2 Report Objectives

The main objective of this report is to present data about some of the most important land use indicators, which includes:

1. Area of agricultural land.
2. Area of forests and wooded land.
3. Yield of agricultural production.
4. Value of agricultural production.
5. Number and area of natural reserves and pastures.

1.3 Report Structure

This report consists of five chapters; the first chapter covers the introduction, objectives and the structure of the report. Chapter two contains the main definitions used in the report. Chapter three shows the main results. The fourth chapter discusses the methodology used in preparing this report. The fifth chapter covers descriptive assessment of data quality of the report.

Chapter Two

Concepts and Definitions

Agricultural Land:

It is The major class of land use for agricultural holdings. For classification, the "gross area" is surveyed for each class. Agricultural land includes land under scattered farm buildings, yards and their annexes, permanently uncultivated land, such as uncultivated patches, banks, footpaths, ditches, headlands and shoulders.

Rain-fed Cultivated Land:

Cultivated land that depends only on rain for irrigation.

Irrigated Cultivated Land:

Cultivated land normally provided with water other than rain for improving of production.

Land Cultivated with Permanent Crops:

This is land used for crops that occupy it for long periods of time and which do not have to be planted for several years after each harvest. Land under trees and shrubs producing flowers, such as roses and jasmine is so classified, as are nurseries (except those for forest trees, which should be classified under forest and other wooded land). Permanent meadows and pastures are excluded.

Land Cultivated with Temporary Crops:

All land used for crops of less than a one-year growing cycle, which must be newly sown or planted for further production after the harvest.

Productivity:

The average production of the unit area (km^2) in metric ton during the agricultural year.

Value of Plant Production:

The market value of plant products assuming farm gate prices. These products do include also the intermediate products like green forages, straw, and cereals.

Value of Agricultural Production

Is the market value of agricultural products assuming farm gate prices. These products do include also the intermediate products like green forages, straw, manure, and cereals for feed and feed mixes.

Ton (Metric Ton)

Mass unit, a Metric ton = 1000 kg. Have been using the word "ton" in this report o refer to a metric ton.

Area of Permanent Cultivated Land Per Capita

The result of Area of permanent cultivated land divided by number of population in m^2 .

Forests and Wooded Land:

The area of land used permanently (i.e., for five years and more) for forests. Permanent meadows and pastures on which trees and shrubs are grown should be recorded under this heading only if the growing of trees and shrubs is the most important use of the area.

Natural Reserves:

An area of land, coastal or internal water characterized by the presence of wild animals and plants, or natural phenomena with cultural, scientific, tourist or aesthetic worth, which is delineated and isolated for purposes of protection from effects of external factors and threats.

Population Density:

The number of persons in each square kilometer.

A set of special symbols was used in the tables of this report:

(.): Data not available

(0.0): Value less than 0.05

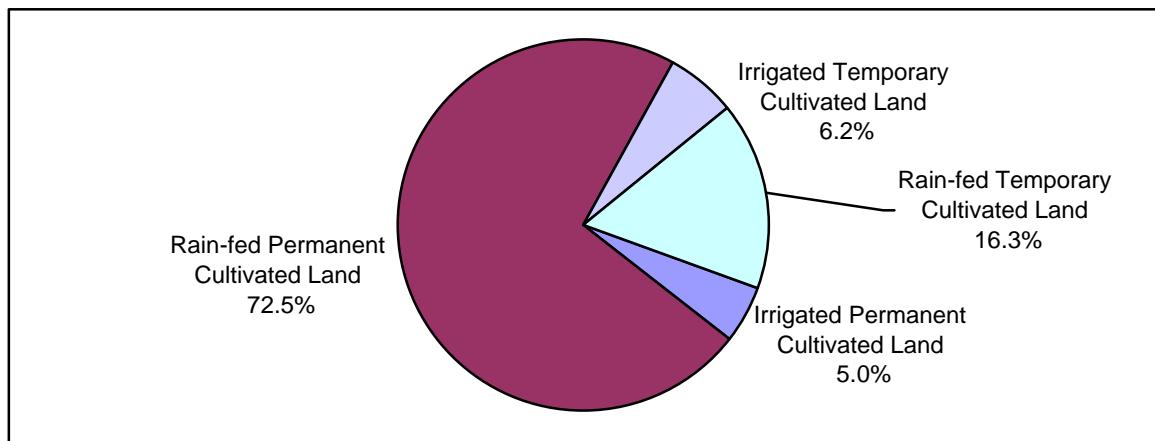
(-): Nil

Main Findings

3.1 Cultivated Land

Data reveals that the area of cultivated land totals about 1,513.0 km² (of this 1,172.2 km² are cultivated with permanent crops and 340.8 km² are cultivated with temporary crops). In addition, the irrigated cultivated area totals 169.6 km², while the rain-fed cultivated area totals 1,343.4 km² during the year 2008.

Figure 1: Percentage Distribution of Cultivated Land in the Palestinian Territory by Type of Cultivation and Irrigation, 2008



Data indicates that the area of cultivated land represents 25.1% of the total area of the Palestinian Territory land, while it represents 24.8% in the West Bank and 30.1% in Gaza Strip.

Data shows that the cultivated land in the West Bank is mainly comprised of land cultivated with permanent crops, which represent 79.3% of the total cultivated land in the West Bank (of them 1.8% are irrigated and 77.5% are rain-fed), while permanent crops represent 54.4% in Gaza Strip (of them 46.2% irrigated and 8.2% rain-fed).

Data shows that the yield per km² of the total irrigated cultivated land in the Palestinian Territory is about 5,143.4 ton/ km², and 196.5 ton/km² for rain-fed cultivated land. In addition, the value of plant production in the Palestinian Territory is about 831.9 thousand US\$/km² of cultivated land, while the value added of plant production in the Palestinian Territory is about 649.3 thousand US\$/km² of cultivated land.

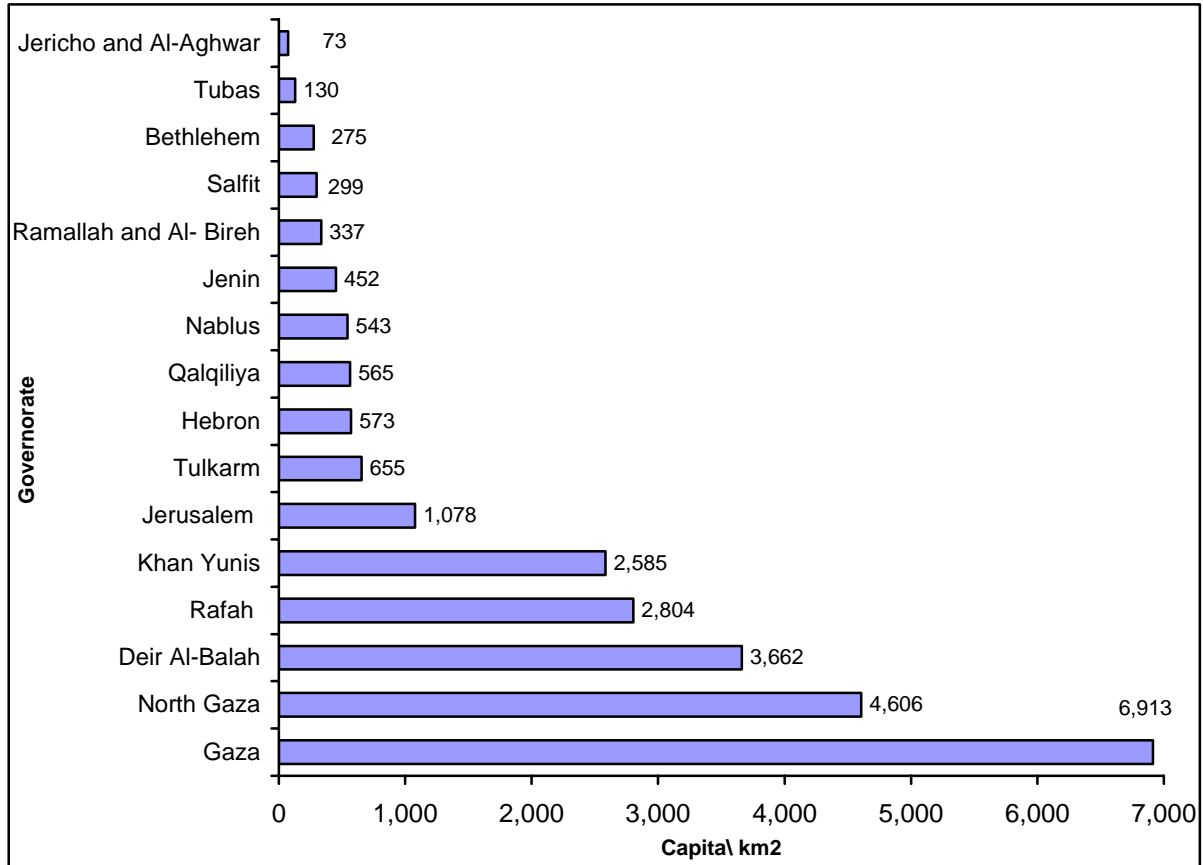
3.2 Change of Land Use

Data reveals that there is a little change on the total cultivated area, permanent cultivated area, and rain-fed cultivated area during the years 2005-2008 compared to the base year (1998), while there is some change in the temporary cultivated area; the greatest change is found during 2007 with a reduction of 5.9% compared with the year 1998. In addition, there is some change in the irrigated cultivated area; the greatest change is found during 2007 with an increase of 12.1% compared with the year 1998.

3.3 Population Density

Data indicates that population density in the Palestinian Territory is 645 capita/ km² at the end of 2008, and regionally is 427 capita/ km² in the West Bank and 4,010 capita/ km² in Gaza Strip.

Figure 2: Population Density in the Palestinian Territory by Governorate, 2008



The results show that the area of permanent agricultural land per capita in the Palestinian Territory was 302.1 m² (460.3 m² in the West Bank and 40.9 m² in Gaza Strip). The lowest permanent cultivated area per capita is found in North Gaza governorate (18.9 m²), while the highest area per capita is found in Salfit governorate (1,339.1 m²).

3.4 Forests and Natural Reserves

In 2007 data show that the area of forests and wooded land in the Palestinian Territory totaled 94.3 km² (91.1 km² in the West Bank and 3.2 km² in Gaza Strip). The largest area covered by forests and wooded land is found in Jenin and Tubas Governorates (33.2 km² and 22.0 km²), respectively. The area of natural reserves in the Palestinian Territory amounted to 514.7 km² (202.0 km² in Jerusalem Governorate), while the area of pastures under Palestinian National Authority totaled 621.0 km².

Chapter Four

Methodology

4.1 Methodology of Report Preparing

The data for the report was collected from the available administrative records of the Palestinian institutions and from the surveys and census conducted by PCBS, where there is no possible to conduct a field survey of land use.

4.2 Data Sources

1. Ministry of Agriculture

The area of total cultivated land, permanent and temporary, irrigated or rain-fed land is collected from the Ministry of Agriculture through an annual questionnaire at the locality level.

The area of permanent cultivated land is the area planted with fruit trees. The area of forests and wooded land, natural reserves and pastures is from records in the Ministry of Agriculture. However, the Ministry of Agriculture has recently updated this data.

2. Population, Housing and Establishment Census

Population figures were estimated depending on the final results of the Population, Housing and Establishment Census conducted by PCBS in 2007.

3. Applied Research Institute-Jerusalem (ARIJ)

Area of land cover was obtained from the Applied Research Institute-Jerusalem (ARIJ), depending on the database of the geographic information system (GIS), in addition to field research.

4.3 Data Processing

Data processing of this report depends on converting the area of cultivated land unit from dunum unit to square kilometer unit. In addition, the area of temporary cultivated land is estimated at half of the area of land cultivated by field crops plus the area of land cultivated by vegetables. That is because the data collected by the Ministry of Agriculture represent the cultivated area whether it is cultivated for once a year or more. However, temporary crops (field crops, vegetables) have at least two-crop cycles per year.

Chapter Five

Data Quality

The concept of data quality consists of many aspects starting from the planning to the survey and including the publishing method and data analysis. The main principles of statistical quality are accuracy, comparability, and data quality assurance procedures.

5.1 Accuracy of the Data

In the process of data collection, each locality was used as a statistical unit despite FAO's recommendation of using agricultural holdings as statistical units. Data are subject to a margin of error affecting the level of their quality due to the data collection method. Other reasons relate to the production system and specific situation of the Palestinian agricultural sector that may affect the quality of the data.

• Non-Statistical Errors

Non-statistical errors are probable in all stages of the project, during data collection or processing. This refers to the estimate of some of the data as agriculture production or intermediate consumption cost by agriculture extension agents, and data entry errors.

5.2 Comparison of the Data

Some comparisons were applied to data with the previous annual data of land use since 1998.

5.3 Technical Notes

The following important notes and remarks should be taken into account in this report:

- This report does not cover all land use indicators due to a lack of data. PCBS tries to make data on all land use statistics indicators available, such as industrial land area, commercial land area, and number and area of historical sites data, built up area, area and length of roads.
- Data concerning the different types of cultivated land include only land cultivated with vegetables, fruit trees, and field crops. They exclude land under scattered farm buildings, yards and their annexes, permanently uncultivated land, such as uncultivated patches, banks footpaths, ditches, headlands and shoulders.
- Data concerning the area of different types of cultivated land were deduced from a questionnaire computed by the Ministry of Agriculture. This method considers the locality as a statistical unit while the Food and Agriculture Organization (FAO) recommends considering the agricultural holding as a statistical unit, which requires careful use of data.
- Data related to the natural reserves in 2007 represents all the Palestinian Territory, while in previous years it represented only natural reserves controlled by the Palestinian National Authority (PNA).

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