

UNCTAD/ECDC/SEU/8 - Tables

Table 1

West Bank and Gaza Strip: main water sources and estimated levels of consumption, 1990

Use	Source	Total consumption (million m3)
Domestic and industrial	Artesian wells	45.0
	Springs	3.5
	Cisterns	1.5
	Mekorot <u>a/</u>	9.0
Subtotal		59.0
Irrigation	Artesian wells	90.0
	Shallow wells	9.0
	Springs	55.0
	Run-off and wadis	5.0
Subtotal		159.0
Total		218.0

Source: Adapted from: Masterplanning the state of Palestine, Centre for Engineering and Planning, Ramallah, 1992.

a/ The Israeli water company.

Table 2

West Bank and Gaza Strip: population distribution by region, 1990

Type of community	Total		District		Jerusalem		Hebron		Gaza Strip	
	Thousands	%	Nablus Thousands	%	Thousands	%	Thousands	%	Thousands	%
Urban	978	43	157	23	319	55	95	40	407	53
Semi-urban	125	5	60	9	19	3	24	10	22	3
Rural	782	35	395	59	205	35	110	46	72	9
Refugee	380	17	57	9	41	7	10	4	272	35
Total	2 265	100	669	100	584	100	239	100	773	100

Source: Adapted from: Masterplanning the state of Palestine, Centre for Engineering and Planning, Ramallah, 1992.

Table 3

West Bank: water resources in selected municipalities, 1993-1994

DISTRICT/ municipality	Population	Area (dunums) <u>a/</u>	Water wells owned	Well output (m3/day)	Total consump-tion <u>b/</u> (m3/day)
BETHLEHEM					
Beit Jala	12 000	3 750	-	-	..
Beit Sahur	11 000	2 500	-	-	..
Bethlehem	37 000	4 000	1	4 500	20 000 <u>c/</u>
HEBRON					
Beit Ummar	10 000	1 800	-	-	500
Halhul	16 000	2 700	-	-	1 000
Hebron	120 000	25 000	2	1 000	6 700
JENIN					
Jenin	31 400	6 800	1	1 600	2 560
Yaabad	14 000	5 150	1	360	600
JERICO					
Jericho	15 000	6 000	1 <u>d/</u>	14 400	14 400 <u>d/</u>
NABLUS					
Nablus	125 000	12 750	2	1 000	6 700
RAMALLAH					
Al-Bireh	30 000	7 200	-	-	..
Beitunia	8 000	4 000	-	-	650
Bir-Zeit	5 000	2 000	-	-	400
Ramallah	29 600	17 000	4	8 500	13 000 <u>e/</u>
TULKAREM					
Anabta	9 500	1 705	3	760	760
Qalqilya	30 000	4 500	2	3 900	3 900

Salfit	8 000	3 230	2	640	960
Tulkarem	55 000	5 000	3	6 000	6 000

Sources: Field survey data, Mekorot, the Israeli water company, and municipalities.

a/ 1 Dunum = 1/4 acre = 1 hectare.

b/ Water supplied by Mekorot, the Israeli water company, in addition to that from Palestinian-owned water wells.

c/ Including Beit Jala and Beit Sahur.

d/ Occasionally supplemented by Mekorot; figure includes water for irrigation.

e/ Including Al-Bireh.

Table 4

Gaza Strip: water resources in selected localities, 1993-1994

Locality	Popula-tion	Area (dunu-ms)	Water wells owned	Well output (m3/day)	Total consump-tion a/ (m3/day)
Gaza City and Beach Camp	300 000	36 000	17	55 000	..
Jabalia	100 000	11 331	6	11 850	..
Beit Lahia	18 000	8 000	4	3 000	..
Beit Hanoun	14 000	6 155	2	1 500	..
Rafah	95 000	11 000	4	9 600	..
Khan Yunis District	120 000	25 000	6	13 560	3 000
Deir-El-Balah	35 000	11 000	5	5 480	..
Abasan	14 500	17 500	3	500	1 200
Khuza'a	4 500	4 000	2	800	600
Bani Suhaila	14 000	9 000	2	600	900
Khan Yunis Camp	41 000	3 500	1	1 600	..
Nuseirat Camp	45 000	9 000	3	..	3 000
Bureij Camp	22 000	3 000	9	..	1 700
Maghazi	14 000	2 500	4	..	1 700

Sources: Field survey data, Mekorot, the Israeli water company, and municipalities.

a/ Water supplied by Mekorot, the Israeli water company, in addition to that from Palestinian-owned water wells.

Table 5

West Bank: wastewater treatment situation in selected municipalities
1993-1994

DISTRICT/ Municipality	Waterworks staff	Percentage population covered by network	Treatment facility	Disposal site or method
BETHLEHEM				
Bethlehem	100	- a/	-	Wadi
HEBRON				
Beit Ummar	2	..	..	Cesspools
Halhul	2	..	..	Cesspools
Hebron	22	60	Oxidation pond	Wadi
JENIN				
Jenin	2150		Oxidation pond	Irrigation
Yaabad	5	..	..	Cesspools
JERICHO				
Jericho	3	..	..	Cesspools
NABLUS				
Nablus	167	85	..	Cesspools
RAMALLAH				
Al-Bireh	-60		.. b/	Wadi
Beitunia	7	..	.. b/	Cesspools
Bir-Zeit	4	..	..	Cesspools
Ramallah	154	70	Aerated lagoons b/	Wadi
TULKAREM				
Anabta	5	..	..	Cesspools
Qalqilya	8	80	..	Via Israeli network
Salfit	5	..	..	Cesspools
Tulkarem	19	50	Oxidation pond	Via Israeli network

Sources: Field survey data and CEOHS files.

a/ Network under construction.

b/ Plans for extending the network and building treatment facilities are under way.

Table 6
Gaza Strip: wastewater situation in selected localities, 1993-1994

Locality	Waterworks staff	Percentage population covered by network	Treatment facility	Disposal site or method
Gaza City and Beach Camp	26	85	Aeration and stabilization ponds	Wadi Gaza and into the sea
Jabalia	18	70	Oxidation ponds <u>a/</u>	Sand dunes
Beit Lahia	7	15	-	Sand dunes
Beit Hanoun	4	..	-	Outside municipal borders
Rafah	21	20	Oxidation ponds <u>b/</u>	Pumped to the sea
Kahn Yunis	23	30	-	Cesspools
Deir-El-Balah	5	..	-	Wadi
Abasan	6	-	-	Cesspools
Khuza'a	2	-	-	Cesspools
Bani Suhaila	3	-	-	Cesspools
Kahn Yunis Camp	..	-	-	Cesspools
Nuseirat Camp	1	-	-	Cesspools
Bureij Camp	2	-	-	Cesspools
Maghazi Camp	3	-	-	Cesspools

Sources: Field survey data and CEOHS files.

a/ Expansion of the network is under consideration.

b/ Expansion of the network is under way and upgrading of the treatment facility is under consideration.

Table 7
West Bank: solid waste situation in selected municipalities, 1993-1994

DISTRICT/Municipality	Refuse (tons/day)	Number of sanitation personnel	Number of vehicles
BETHLEHEM			
Beit Jala	21	18	2
Beit Sahur	20	16	2
Bethlehem	75	25	3
HEBRON			
Beit Ummar	15	2	1
Halhul	6	4	1
Hebron	125	80	6
JENIN			
Jenin	70	67	2
Yaabad	6	5	1
JERICHO			
Jericho	4	3	2
NABLUS			
Nablus	140	162	8
RAMALLAH			
Al-Bireh	50	30	4
Beitunia	13	7	1
Bir-Zeit	10	5	1
Ramallah	50	47	3
TULKAREM			
Anabta	3	6	1
Qalqilya	20	34	4
Salfit	6	9	2
Tulkarem	20	37	5

Sources: Field survey data and CEOHS files.

Table 8
Gaza Strip: solid waste situation in selected localities, 1993-1994

Locality	Refuse (tons/day)	Number of sanitation personnel	Number of vehicles
Gaza City and Beach Camp	400	230	36
Jabalia	50	122	5
Beit Lahia	10	10	2
Beit Hanoun	10	8	3
Rafah	46	41	5
Khan Yunis	60	37	4
Deir-El-Balah	20	23	3
Abasan	5	3	2
Khuza'a	5	4	-
Bani Suhaila	10	10	2
Khan Yunis Camp	10	43	1
Nuseirat Camp	40	45	3
Bureij Camp	10	40	1
Maghazi Camp	10	19	2

Sources: Field survey data and CEOHS files.

Table 9
List of commonly used pesticides in the Palestinian territory, 1992

1. 2,4-D
2. Aldicarb
3. Amitraz
4. Atrazine
5. Azinphos, ethyl
6. Azinphos, methyl
7. Azocyclotin
8. Benomyl
9. Benzthiazuron
10. Bifenthrin
11. Bromacil
12. Buprofezin
13. Carbaryl
14. Carbamate
15. Carbondazim
16. Carbosulfan
17. Chinomethionat
18. Chlorfluazuron
19. Chlormequat
20. Chlorobenzilate
21. Chloropyriphos, ethyl
22. Chlorothalonil
23. Chlorthalidimethyl
24. Clofetezine
25. Copper hydroxide
26. Copper oxychloride
27. Coumatetralyl
28. Cyanamide, calcium
29. Cymoxanil
30. Cypermethrin
31. DDT
32. Deltamethrin
33. Diazinon
34. Dichlofluanid
35. Dichlorvos
36. Dicofof
37. Dimethoate
38. Diquat
39. Diuron
40. Endosulfan
41. Ethephon
42. Fenaminophos
43. Fenarimol
44. Fenitrothion
45. Fenpropathrine
46. Fluazifop
47. Fluoroacetamide
48. Fluosilicate, sodium
49. Fluotrimazole
50. Fluvalinate
51. Glufosinate, ammonium
52. Glyphosate
53. Hesaconazole
54. Iprodione
55. Lambda cyhalothrin
56. Lindane

57. Linuron
58. Malathion
59. Mancozeb
60. Maneb
61. Metaldehyde
62. Metam, sodium
63. Methamidophos
64. Methomyl
65. Methyl bromide
66. Metiram
67. Metribuzin
68. N-Meta-tolyl phthamic acid
69. Myclobutanil
70. Oxadiazon
71. Oxydemeton, methyl
72. Oxyfluorfen
73. Paraquat
74. Parathion, ethyl
75. Parathion, methyl
76. Phosethyl-al
77. Phosphamidon
78. Pirimicarb
79. Prometryn
80. Propamocarb
81. Propargite
82. Propeneb
83. Propyzamide
84. Pyrazophos
85. Quinomethionate
86. Simazine
87. Sulphur
88. T.C.M.T.B.
89. Triadimefon
90. Triadimenol
91. Tebuconazole
92. Vincilozolin

Sources: Field survey data and CEOHS files

Table 10

Partial list of pesti-cides restricted or banned elsewhere, but used in the Palestinian territory, 1993

No.	Common name	Brand name	Type
1.	2,4-D	Alber-super	Aryloxyalkanoic acid
2.	2,4,5-T	Sylvoxone	Aryloxyalkanoic acid
3.	Aldicarb	Temik	Carbamoyloxime
4.	Amitraz	Mitac, Taktic	Amidine
5.	Azinphos, ethyl	Guthion	OP a/
6.	Azinphos, methyl	Cotonion	OP
7.	Azocyclotin	Peropal	Organotin
8.	Benomyl	Benlate, Tersan	Benzimidazole
9.	Bromoxynil	Brominal, Bucril	Hydroxybenzonitrile
10.	Carbaryl	Ravyon	Methylcarbamate
11.	Chlorobenzilate	Akar, Folbex	Benzilate
12.	Coumatetralyl	Racumin	Coumarin anticoagulant
13.	Cypermethrin	Barricade, Stock-ade	Pyrethoid
14.	DDT	Gesarol, Neocid	OC b/
15.	Diazinon	Diazital, Basudin	OP
16.	Dichlorvos	Dedevap	OP
17.	Dicofol	Acarin	OC
18.	Dimethoate	Perfekthion	OP
19.	Endosulfan	Thionex	OC
20.	Ethylene dibromide (EDB)	Dowfume 85 (discontinued)	Halogenated Hydrocarbon F
21.	Fenamiphos	Nemacur	OP
22.	Fluoroacetamide	Rosh R	Fluoroacetamide
23.	Glyphosate	Round Up	Phosphonic acid
24.	Lindane	Gamma-col, Gamma-san	OC
25.	Malathion	Malathion, Cythion	OP
26.	Mancozeb	Dithane M-45	Ethylenebis
27.	Maneb	Dithane M-22	Ethylenebis
28.	Metaldehyde	Ariotox	Heterocyclic organic compound
29.	Metam, sodium	Vapam	Methyl-isothiocyan-ate
30.	Methamidophos	Monitor	OP
31.	Methomyl	Lannate	Carbamoyloxime
32.	Methyl bromide	Dowfume MC2	Alkyl halide
33.	Metiram	Polyram	Ethylenebis
34.	Oxydemeton-methyl	Metasystox R	OP
35.	Oxyfluorfen	Goal	Diphenyl ether
36.	Paraquat	Gramaxone, Dextr-one	Bipyridyl
37.	Parathion, ethyl/methyl	Folidol, Bladan	OP
38.	Phosphamidon	Dimecron	OP
39.	Sodium fluosilicate	Sefsan	Inorganic fluoride

Sources: Field survey data and CEOHS files.

a/ OP, organophosphorous

b/ OC, organochlorine