



ICID-CIID

## INTERNATIONAL COMMISSION ON IRRIGATION AND DRAINAGE (ICID)

(ARRANGED IN DESCENDING ORDER OF IRRIGATED AREA)

Sl. No.	Country	GNI/PPP Per Capita (2008)	Economic Status (2008)	Total Geographical Area (Mha)	Irrigated Area (2003) (2007) (2009) (Mha)	Drained Area (2000) (Mha)	Arable & Perm. Crop Area (APC) (2003) (2007) (2009) (Mha)	% of APC to Geog. Area (%)	% Irrigated Area to APC (%)	Population (2007) (2008) (2009) (Million)	Population in Agriculture (Million)			Population Density with ref. to Total Geographical Area (People/Sq.km)	Population Density with ref. to APC (People/Sq.km)	Food Production (Cereals) (2004) (MT)	Productivity for Cereals (Av.2003-05) (Kg/ha)
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	
<b>AFRICA</b>																	
1	Egypt	1800	UM	100.14	3.42	3.00	3.42	3.42	100.06	74.9	25.0	33.32	75	2190	21.3	7545	
2	Sudan	1130	LM	250.60	1.86	0.56	17.42	6.95	10.69	39.4	19.7	50.02	16	226	3.6	648	
3	South Africa	5820	UM	121.91	1.60	0.08	19.28	15.82	8.30	47.4	17.2	36.29	39	246	9.4	2882	
4	Morocco	2580	UM	44.65	1.45	0.12	9.38	21.01	15.41	31.2	10.4	33.36	70	333	8.6	1243	
5	Madagascar	410	L	58.70	1.09	NA	3.55	6.05	30.59	18.9	NA	NA	32	18.52	3.4	2369	
6	Algeria	4260	UM	238.20	0.57	0.06	8.22	3.45	6.92	34.7	NA	NA	15	422	4.0	1438	
7	Libya	11590	H	175.90	0.47	NA	2.15	1.22	21.86	6.3	NA	NA	4	293	0.2	626	
8	Tunisia	3290	UM	16.40	0.39	0.08	4.93	30.06	7.99	10.3	NA	NA	63	209	2.2	1540	
9	Nigeria	1160	LM	92.40	0.28	0.00	33.40	36.15	0.84	148.1	NA	NA	160	443	22.8	1368	
10	Ethiopia	280	L	110.40	0.29	0.02	11.77	10.66	2.46	79.1	NA	NA	72	672	9.3	1213	
11	Tanzania	440	LM	94.50	0.18	NA	5.10	5.40	3.61	40.2	NA	NA	43	788	5.0	1403	
12	Mali	540	LM	124.01	0.24	NA	4.70	3.79	5.00	12.7	10.5	83.06	10	270	2.8	979	
13	Zimbabwe	1950	LM	39.00	0.17	NA	3.35	8.59	5.19	13.5	NA	NA	35	403	0.8	673	
14	Mozambique	370	L	80.10	0.12	NA	4.58	5.72	2.58	20.4	NA	NA	25	445	2.0	925	
15	Kenya	770	LM	58.00	0.10	0.00	5.21	8.98	1.98	38.0	NA	NA	66	729	2.7	1682	
16	Ivory Coast	980	LM	32.20	0.07	NA	6.90	22.70	1.06	20.7	NA	NA	45	199	2.2	1719	
17	Senegal	970	LM	19.70	0.12	0.04	2.51	12.74	4.78	12.7	NA	NA	64	506	1.1	1089	
18	Angola	3450	UM	124.70	0.08	NA	3.59	2.88	2.23	16.8	NA	NA	13	468	0.7	583	
19	Niger	330	L	126.70	0.07	NA	14.50	11.44	0.50	14.7	NA	NA	12	101	2.7	409	
20	Zambia	950	LM	75.30	0.16	NA	5.29	7.03	2.95	12.2	NA	NA	16	231	1.4	1732	
21	Burkina Faso	480	L	27.40	0.03	NA	4.90	17.88	0.51	15.2	NA	NA	55	310	2.9	1040	
22	Malawi	290	L	11.80	0.06	NA	2.59	21.95	2.16	13.6	NA	NA	115	525	1.8	1149	
23	Chad	530	LM	128.40	0.03	NA	3.63	2.83	0.83	10.1	NA	NA	8	278	1.2	741	
24	Mauritius	6400	UM	0.20	0.02	NA	0.11	55.00	20.00	1.3	0.1	9.54	650	1182	NA	4769	
25	Sao-Tome Prn.	1020	LM	0.09	0.01	NA	0.06	66.67	16.67	0.2	NA	NA	222	333	0.003	2500	
26	Ghana	670	LM	23.80	0.03	NA	6.39	26.85	0.49	23.9	NA	NA	100	374	1.9	1225	
27	Uganda	420	L	24.10	0.009	0.00	7.35	30.50	0.12	29.2	NA	NA	121	397	2.6	1437	
	Sub-Total			2199.30	12.92	3.96	194.28	8.83	6.65	785.7	NA	NA	36	404	116.8	1559	

	AMERICAS															
28	USA	47580	H	962.91	22.39	47.50	175.50	18.23	12.75	304.5	NA	NA	32	174	389.1	6443
29	Mexico	9980	H	195.82	6.32	5.20	27.30	13.94	23.15	107.7	NA	NA	55	395	32.8	3009
30	Brazil	7350	UM	851.49	3.50	1.31	66.60	7.82	5.26	181.2	25.9	14.29	21	272	119.1	2519
31	Chile	9400	H	75.66	1.09	0.04	0.78	1.03	139.74	16.4	2.3	14.02	22	2103	3.6	5993
32	Argentina	7200	UM	278.04	1.55	0.13	28.90	10.39	5.36	39.7	NA	NA	14	137	34.2	3805
33	Peru	3990	UM	128.52	1.20	0.08	4.31	3.35	27.84	27.9	7.8	27.35	22	647	3.4	3426
34	Colombia	4660	UM	113.89	0.90	0.23	3.85	3.38	23.38	44.4	NA	NA	39	1153	4.4	3821
35	Cuba	NA	NA	11.09	0.87	0.02	3.79	34.19	22.96	11.2	NA	NA	101	296	0.9	3189
36	Ecuador	3640	UM	28.36	0.87	0.05	2.99	10.54	28.93	13.8	NA	NA	49	462	2.1	2695
37	Canada	41730	H	997.06	0.79	9.46	52.12	5.23	1.51	33.3	NA	NA	3	64	52.7	3018
38	Venezuela	9230	H	91.21	0.58	0.31	3.40	3.73	16.91	17.9	NA	NA	20	526	3.7	3310
39	Dominican Rep.	4390	UM	4.87	0.28	0.03	1.60	32.83	17.19	9.9	NA	NA	203	619	0.6	4138
40	Guyana	1420	LM	21.50	0.15	0.15	0.51	2.37	29.41	0.8	NA	NA	4	157	0.5	1476
41	Honduras	1800	LM	11.21	0.08	0.06	1.43	12.76	5.59	7.3	NA	NA	65	510	0.1	1475
42	Suriname	4990	UM	16.33	0.05	0.05	0.07	0.43	72.86	0.5	0.1	16.00	3	714	0.2	3799
43	Panama	6180	UM	7.55	0.04	NA	0.70	9.27	6.14	3.4	NA	NA	45	486	0.4	1851
	Sub-Total			3795.50	40.64	64.62	373.85	9.85	10.87	819.9	NA	NA	22	219	647.7	3372.94

	ASIA															
44	India	1070	LM	328.73	60.85	2.46	183.50	55.82	33.16	1112.2	799.0	71.84	338	606	198.4	2417
45	China	2270	UM	960.00	57.78	21.14	130.03	16.13	35.26	1321.3	727.5	55.06	138	1016	456.3	5320
46	Pakistan	980	LM	79.61	19.59	7.86	22.05	27.70	88.84	156.8	70.0	44.64	197	711	32.3	2514
47	Iran	3540	UM	164.80	8.70	0.19	18.50	11.23	47.03	70.6	19.5	27.62	43	382	22.4	2390
48	Turkey	9340	H	77.95	5.34	3.04	26.01	33.37	20.53	72.7	27.2	37.41	93	280	29.2	2020
49	Thailand	2840	UM	51.31	4.99	0.15	17.69	34.48	28.19	66.1	NA	NA	129	374	28.3	3044
50	Indonesia	2010	LM	190.46	4.50	0.27	34.40	18.06	13.08	239.9	NA	NA	126	697	65.3	4278
51	Bangladesh	520	L	14.40	4.73	1.50	8.42	58.47	56.18	147.3	NA	NA	1023	1749	41.0	3535
52	Uzbekistan	910	LM	44.74	4.28	2.82	5.04	11.27	84.94	27.2	NA	NA	61	540	5.9	3627
53	Iraq	NA	NA	43.83	3.52	1.54	6.09	13.89	57.80	29.5	NA	NA	67	484	4.1	1280
54	Viet Nam	890	LM	33.17	3.00	1.00	8.98	27.07	33.41	86.2	NA	NA	260	960	39.3	4480
55	Japan	38210	H	37.80	2.53	0.00	4.65	12.30	54.41	127.1	8.4	6.61	336	2733	9.8	5069
56	Kazakhstan	6140	UM	272.49	2.12	0.53	31.00	11.38	6.85	15.3	6.0	39.22	6	49	16.5	1170
57	Myanmar	NA	NA	67.66	1.87	0.19	10.98	16.23	17.03	49.2	34.5	57.73	73	448	24.8	3513
58	Turkmenistan	2840	UM	48.81	1.80	1.03	2.27	4.65	79.30	5.2	NA	NA	11	229	2.8	2878
59	Saudi Arabia	15500	H	214.97	1.62	0.04	3.80	1.77	42.63	28.1	1.8	6.56	13	739	2.8	4559
60	Phillipines	1890	LM	30.00	1.52	2.72	9.16	35.67	15.98	88.6	11.6	13.78	281	787	23.0	3320
61	Syria	2090	UM	18.52	1.33	0.27	5.42	29.27	24.59	19.9	NA	NA	107	367	5.2	1786
62	Korea Rep.	21530	H	9.97	1.12	1.15	1.82	18.25	61.54	47.3	3.3	6.98	474	2599	5.5	4951
63	Nepal	400	L	14.72	1.17	0.09	2.49	16.92	46.99	27.0	NA	NA	183	1084	7.6	2286
64	Kyrgystan	740	LM	19.99	1.07	NA	1.37	6.85	78.10	5.2	1.2	23.46	26	380	1.7	2776
65	Tajikistan	600	LM	14.31	0.72	0.32	1.06	7.41	68.11	7.3	NA	NA	51	689	0.9	2240
66	Sri Lanka	1780	UM	6.56	0.74	0.03	1.92	29.26	38.70	20.3	NA	NA	309	1057	2.7	3438
67	Yemen	950	LM	52.80	0.55	1.50	1.67	3.16	32.93	22.2	NA	NA	42	1329	0.5	740
68	Chinese Taipei	12439	H	3.60	0.37	0.12	0.83	27.50	44.58	23.0	NA	NA	596	2771	1.3	5242
69	Malaysia	6970	UM	32.98	0.39	6.00	9.50	28.81	4.05	27.7	10.5	37.87	84	292	1.7	3556
70	Israel	24700	H	2.21	0.19	0.10	0.43	19.42	45.12	7.5	NA	NA	339	1744	0.3	3171
71	Lebanon	6350	UM	1.04	0.10	0.01	0.31	29.81	33.55	4.0	NA	NA	385	1290	0.1	2493
72	Mongolia	3310	LM	156.65	0.08	1.50	1.20	0.77	7.00	2.7	NA	NA	2	225	0.1	690
73	Jordan	6210	UM	8.92	0.08	0.01	0.40	4.48	18.75	5.8	NA	NA	65	1450	0.1	1418
	Sub-Total			3002.99	196.66	57.58	550.99	18.35	35.69	3863.2	NA	NA	129	701	1030.0	3006.70

OCEANIA																
74	Australia	40350	H	774.12	2.55	2.17	47.94	6.19	5.31	21.3	NA	NA	3	44	31.5	1946
75	New Zealand	27940	H	27.05	0.29	NA	3.37	12.46	8.46	4.3	NA	NA	16	128	0.9	7360
	Sub-Total			801.17	2.83	2.17	51.31	6.40	5.52	25.6	NA	NA	3	50	32.4	4653.00
EUROPE																
76	Russia	9620	H	1710.00	4.50	4.78	192.60	11.26	2.34	143.5	38.8	27.04	8	75	78.2	1850
77	Spain	31960	H	50.60	3.80	NA	26.30	51.98	14.45	44.7	5.0	11.19	88	170	24.5	3350
78	Romania	7930	H	23.84	1.50	1.83	9.85	41.32	15.23	21.5	2.8	12.81	90	219	7.8	1541
79	Italy	35240	H	30.13	2.75	5.30	10.70	57.00	25.70	59.9	NA	NA	199	560	23.3	5043
80	France	42250	H	55.15	2.60	2.50	19.57	35.49	13.29	62.0	NA	NA	112	317	70.5	6893
81	Ukraine	3210	UM	60.35	2.26	3.30	33.10	54.85	6.83	46.8	15.1	32.26	78	141	38.0	2600
82	Greece	28650	H	13.20	1.45	0.52	3.83	29.02	37.94	11.2	1.2	11.58	85	292	5.0	3905
83	Portugal	20560	H	9.19	0.65	0.04	2.31	25.14	28.14	10.6	4.3	11.91	115	459	1.4	2533
84	Bulgaria	5490	UM	11.10	0.59	0.08	3.53	31.80	16.66	7.6	0.5	5.95	68	215	7.5	3279
85	Netherlands	50150	H	4.15	0.56	3.00	0.94	22.63	59.57	16.4	0.5	3.05	395	1745	1.9	8308
86	Germany	42440	H	35.70	0.49	4.90	12.04	33.72	4.03	82.2	1.7	2.09	230	683	51.1	6614
87	Denmark	59130	H	4.31	0.45	1.50	2.27	52.68	19.78	5.5	NA	NA	128	242	9.0	6088
88	Hungary	12810	H	9.30	0.23	2.30	4.80	51.60	4.79	10.0	1.0	10.28	107	208	16.7	4719
89	Slovak Republic	14540	H	4.90	0.18	NA	1.56	31.84	11.73	5.4	0.4	8.14	110	345	3.8	4099
90	UK	45390	H	24.29	0.11	4.65	5.71	23.51	1.93	60.5	0.3	0.50	249	1060	21.0	7192
91	Poland	11880	H	31.27	0.10	4.20	12.90	41.25	0.78	38.1	6.6	17.35	122	295	29.6	3212
92	Finland	48120	H	33.84	0.08	2.50	2.26	6.68	3.54	5.3	0.2	4.15	16	235	4.2	3543
93	Macedonia	4140	UM	2.57	0.06	NA	0.61	23.73	9.02	2.0	0.2	10.41	80	335	0.7	3074
94	Cyprus	22950	H	0.93	0.04	0.02	0.14	15.14	28.57	1.1	NA	NA	119	786	0.1	2149
95	Belgium	44330	H	3.30	0.04	0.27	0.86	26.06	4.65	10.7	NA	NA	324	1244	2.9	8788
96	Switzerland	65330	H	4.13	0.04	0.16	0.43	10.41	9.30	7.5	0.3	4.00	182	1744	1.1	6076
97	Czech Rep.	16600	H	7.89	0.02	0.40	3.30	41.84	0.73	10.4	NA	NA	132	315	8.8	4716
98	Yugoslavia (Serbia & Montenegro)	5700	UM	10.22	0.03	0.40	3.72	36.41	0.86	7.4	1.8	23.89	72	199	9.9	2755
99	Lithuania	11870	H	6.50	0.043	2.62	2.61	40.15	1.65	3.4	0.6	17.65	52	130	2.8	3450
100	Austria	46260	H	8.39	0.004	0.21	1.46	17.41	0.27	8.4	NA	NA	100	575	5.0	5978
101	Estonia	14270	H	4.52	0.004	-	0.56	24.50	0.36	1.3	0.1	31.00	30	239	0.6	2007
102	Slovenia	24010	H	2.02	0.008	0.08	0.20	9.90	4.00	2.0	0.0	2.02	98	990	0.5	4162
103	Croatia	13570	H	5.65	0.011	0.76	1.58	27.94	0.70	4.4	0.3	6.47	79	281	3.3	4549
104	Ireland	49590	H	7.03	NA	1.15	1.12	15.94	NA	4.5	NA	NA	64	402	2.5	7442
	Sub-Total			2174.46	22.60	47.47	360.86	16.60	6.26	694.4	NA	NA	32	192	431.6	4479.83

## Summary Statistics

Sl. No.	Continent	Economic Status (2008)	Total Geographical Area	Irrigated Area (2003, 2007, 2009)	Drained Area (2000)	Arable & Perm. Crop Area (APC)	% of APC to Geog. Area	% of Irrigated Area to APC	Population (2007, 2008, 2009)	Population Density with ref. to Total Geographical Area	Area with No System	Population Density with ref. to APC	Food Production (Cereals) (2004)
			(Mha)	(Mha)	(Mha)	(Mha)			(Million)	(People/Sq.km)	(Mha)	(People/Sq.km)	(MT)
1	2	3	4	5	6	7	8	9	10	11	12	13	14
1	Asia	L=8	3003	197	58	551	18	36	3863	129	297	701	1030
2	Americas	L=0	3796	41	65	374	10	11	820	22	269	219	648
3	Europe	L=2	2174	23	47	361	17	6	694	32	291	192	432
4	Africa	L=20	2199	13	4	194	9	7	786	36	177	404	117
5	Oceania	L=0	801	3	2	51	6	6	26	3	46	50	32
	Total (104 countries)	L=30	11973	276	176	1531	13	18	6189	52	1080	404	2259
	WORLD	L=54	13428	284	190	1540	11	18	6705	50	1066	435	2287
		-	89	97	93	99			92		101		99

Sources : World Development Indicators Database, World Bank  
 FAO Year Book (2003) : Production  
 ICID National Committees Data (2007, 2008, 2009)  
 World Population - Data Sheet,  
 Population Reference Bureau (2008)

Note : (1) Number of ICID participating countries = 104  
 (2) NA = Not Available; Mha = Million Hectare  
 (3) L = Low; LM = Lower Middle; UM = Upper  
 (4) ICID National Committees data  
 shown in Italics