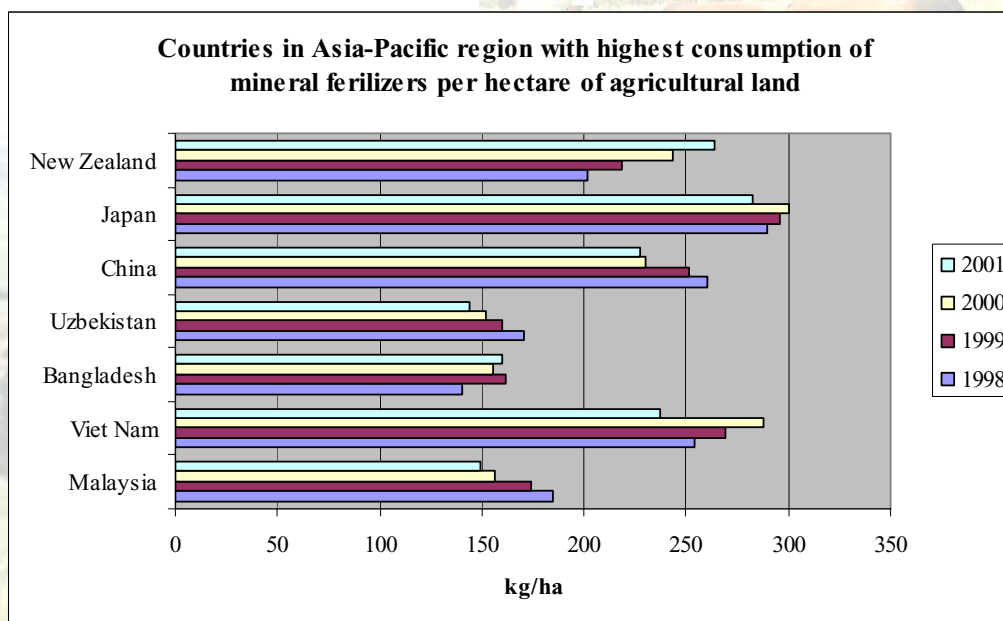


## AGRICULTURAL INPUTS



**Table 5. Irrigation\***

Unit: 1000 ha

Country	1991	1998	1999	2000	2001	Annual Growth Rate 1991-2001
<b>DEVELOPING COUNTRIES</b>						
SOUTHEAST ASIA						
1 . Cambodia	250 F	270 F	270 F	270 F	270 F	0.5 %
2 . Indonesia	4 432	4 783	4 800 F	4 815 F	4 815 F	0.8 %
3 . Lao PDR	140 F	168 F	172 F	175 F	175 F	2.3 %
4 . Malaysia	340	365 F	365 F	365 F	365 F	0.6 %
5 . Myanmar	1 003	1 692	1 841	1 910	1 985	7.7 %
6 . Philippines	1 550 F	1 550 F	1 550 F	1 550 F	1 550 F	0.0 %
7 . Thailand	4 349	4 789	4 948	4 998	4 924	1.3 %
8 . Viet Nam	2 900 F	3 000 F	3 000 F	3 000 F	3 000 F	0.3 %
SOUTH ASIA						
9 . Bangladesh	3 027	3 850	3 985	4 187	4 421	3.6 %
10 . Bhutan	39 F	40 F	40 F	40 F	40 F	0.4 %
11 . India	47 430	54 570	54 600 F	54 800 F	54 800 F	1.5 %
12 . Maldives						
13 . Nepal	1 000 F	1 135 F	1 135 F	1 135 F	1 135 F	1.2 %
14 . Pakistan	16 750	18 000	17 950	18 090	17 820	0.8 %
15 . Sri Lanka	530 F	651	662	665	597	2.1 %
CENTRAL ASIA						
16 . Kazakhstan		2 332	2 350 F	2 350 F	2 350 F	0.4 %
17 . Tajikistan		719 F	719 F	719 F	719 F	0.0 %
18 . Uzbekistan		4 281 F	4 281 F	4 281 F	4 281 F	0.1 %
OTHER ASIA						
19 . China	48 384	52 878	53 740	54 402	54 831	1.3 %
20 . DPR Korea	1 440 F	1 460 F	1 460 F	1 460 F	1 460 F	0.1 %
21 . Iran (Islamic Rep. of)	7 000 F	7 562	7 562 F	7 500 F	7 500 F	0.8 %
22 . Mongolia	80 F	84 F	84 F	84 F	84 F	0.3 %
23 . Rep. of Korea	1 335	1 159	1 153	1 149	1 145 F	-1.6 %
PACIFIC ISLANDS						
24 . Cook Islands						
25 . Fiji Islands	1 F	3 F	3 F	3 F	3 F	5.1 %
26 . Kiribati						
27 . Marshall Islands						
28 . Nauru						
29 . Niue						
30 . Palau						
31 . Papua New Guinea						
32 . Samoa						
33 . Solomon Islands						
34 . Tonga						
35 . Vanuatu						
SUB-TOTAL	141 980	165 341	166 670	167 948	168 270	1.5 %
<b>DEVELOPED COUNTRIES</b>						
36 . Australia	2 012	2 365	2 251	2 385	2 385 F	1.4 %
37 . Japan	2 825	2 679	2 659	2 641	2 626	-0.7 %
38 . New Zealand	283 F	285 F	285 F	285 F	285 F	0.0 %
SUB-TOTAL	5 120	5 329	5 195	5 311	5 296	0.2 %
ASIA & PACIFIC*	147 100	170 670	171 865	173 259	173 566	1.5 %
REST OF WORLD	101 624	98 816	98 975	99 223	99 486	0.1 %
WORLD	248 724	269 486	270 840	272 482	273 052	1.0 %

\* refers to net irrigated area

**Table 6. Irrigated land as proportion of agricultural land**

Unit: 1000 ha

Country	Agricultural Land		Irrigated Land		% Irrigated Land to Agricultural Land	
	1991	2001	1991	2001	1991	2001
<b>DEVELOPING COUNTRIES</b>						
SOUTHEAST ASIA						
1 . Cambodia	3 800 F	3 807 F	250 F	270	6.6 %	7.1 %
2 . Indonesia	29 797	33 600 F	4 432	4 815 F	14.9 %	14.3 %
3 . Lao PDR	862 F	958 F	140 F	175 F	16.2 %	18.3 %
4 . Malaysia	7 197 F	7 585 F	340	365	4.7 %	4.8 %
5 . Myanmar	10 057 F	10 625	1 003	1 985	-	-
6 . Philippines	9 887 F	10 650 F	1 550 F	1 550 F	15.7 %	14.6 %
7 . Thailand	20 726 F	18 300 F	4 349	4 924 F	21.0 %	26.9 %
8 . Viet Nam	6 425	8 438 F	2 900 F	3 000 F	45.1 %	35.6 %
SOUTH ASIA						
9 . Bangladesh	9 137 F	8 485 F	3 027	4 421 F	33.1 %	52.1 %
10 . Bhutan	132 F	165 F	39 F	40 F	29.5 %	24.2 %
11 . India	169 340	169 900 F	47 430	54 800 F	28.0 %	32.3 %
12 . Maldives	8 F	9 F	-	-	-	-
13 . Nepal	2 356 F	3 192 F	1 000 F	1 135 F	42.4 %	35.6 %
14 . Pakistan	20 960 F	22 160 F	16 750	17 820	79.9 %	80.4 %
15 . Sri Lanka	1 903 F	1 911 F	530 F	597 F	27.9 %	31.2 %
CENTRAL ASIA						
16 . Kazakhstan		21 671 F		2 350		10.8 %
17 . Tajikistan		1 060 F		719 F		67.8 %
18 . Uzbekistan		4 830 F		4 281 F		88.6 %
OTHER ASIA						
19 . China	131 391 F	155 275 F	48 384	54 831	36.8 %	35.3 %
20 . DPR Korea	2 600 F	2 800 F	1 440 F	1 460	55.4 %	52.1 %
21 . Iran (Islamic Rep. of)	17 997 F	16 548 F	7 000 F	7 500 F	38.9 %	45.3 %
22 . Mongolia	1 369	1 200	80 F	84	5.8 %	7.0 %
23 . Rep. of Korea	2 091 F	1 889	1 335	1 145	63.8 %	60.6 %
PACIFIC ISLANDS						
24 . Cook Islands	6	7 F	0 F	0 F	0.0 %	0.0 %
25 . Fiji Islands	251	285	1 F	3	0.4 %	1.1 %
26 . Kiribati	39 F	39 F	0 F	0 F	0.0 %	0.0 %
27 . Marshall Islands		10 F		0 F		0.0 %
28 . Nauru	0 F	0 F				
29 . Niue	7 F	7 F	0 F	0 F	0.0 %	0.0 %
30 . Palau		6 F		0 F		0.0 %
31 . Papua New Guinea	782 F	860 F	0 F	0 F	0.0 %	0.0 %
32 . Samoa	122 F	129 F	0 F	0 F	0.0 %	0.0 %
33 . Solomon Islands	70 F	74 F	0 F	0 F	0.0 %	0.0 %
34 . Tonga	48 F	48 F	0 F	0 F	0.0 %	0.0 %
35 . Vanuatu	120 F	120 F	0 F	0 F	0.0 %	0.0 %
SUB-TOTAL	449 480	506 643	141 980	168 270	31.6 %	33.2 %
<b>DEVELOPED COUNTRIES</b>						
36 . Australia	45 874	50 600	2 012	2 385	4.4 %	4.7 %
37 . Japan	5 204 F	4 794 F	2 825	2 626	54.3 %	54.8 %
38 . New Zealand	3 909	3 372 F	283 F	285 F	7.2 %	8.5 %
SUB-TOTAL	54 987	58 766	5 120	5 296	9.3 %	9.0 %
ASIA & PACIFIC*	504 467	565 409	147 100	173 566	29.2 %	30.7 %
REST OF WORLD	999 650	966 681	101 624	99 486	10.2 %	10.3 %
WORLD	1 504 117	1 532 090	248 724	273 052	16.5 %	17.8 %

**Table 7. Mineral fertilizers : consumption**

Unit: 1000 MT (plant nutrient)

Country	1991	1998	1999	2000	2001	Annual Growth Rate 1991-2001
<b>DEVELOPING COUNTRIES</b>						
SOUTHEAST ASIA						
1 . Cambodia	5.7	7.6	.0	.0	.0	4.3 %
2 . Indonesia	2 400.1 *	2 727.7 *	2 524.5 *	2 493.5 *	2 523.6 *	0.4 %
3 . Lao PDR	2.6	4.6	9.9	6.0	12.3	15.5 %
4 . Malaysia	941.0 *	1 406.0 *	1 323.8 *	1 188.3	1 130.7	2.8 %
5 . Myanmar	83.1	171.8	163.1	205.7	164.2 *	9.6 %
6 . Philippines	447.8	628.4	743.8	734.6	781.4	5.1 %
7 . Thailand	962.1 *	1 637.0 *	1 763.0 *	1 560.9 *	1 717.0 *	4.8 %
8 . Viet Nam	781.9 *	1 856.9 *	2 057.6 *	2 267.0 *	1 999.2 *	12.7 %
SOUTH ASIA						
9 . Bangladesh	1 004.4	1 170.5 *	1 365.7	1 320.2	1 354.8	3.6 %
10 . Bhutan	.1	.0	.0	.0	.0	0.0 %
11 . India	12 728.1	16 797.5	18 056.7	16 702.3	17 359.7	4.2 %
12 . Maldives						%
13 . Nepal	81.1	121.5 *	94.4 *	73.0	70.3	0.2 %
14 . Pakistan	1 884.1	2 578.1	2 833.0	2 962.5	2 923.3	4.4 %
15 . Sri Lanka	177.2	232.9	259.1	247.0	234.4	3.1 %
CENTRAL ASIA						
16 . Kazakhstan		13.0 *	34.2	37.0	50.4 *	-25.5 %
17 . Tajikistan		36.9	10.6	8.9	12.1	-25.2 %
18 . Uzbekistan		824.4 *	774.8	731.2 *	693.3 *	3.3 %
OTHER ASIA						
19 . China	29 659.1	35 830.0 *	36 439.0 *	34 217.9 *	35 375.2 *	2.8 %
20 . DPR Korea	811.1 *	157.2 *	253.0 *	256.0 *	287.0 *	-11.9 %
21 . Iran (Islamic Rep. of)	1 149.0 *	1 268.0	1 330.4 *	1 393.6	1 320.1	2.4 %
22 . Mongolia	16.0 *	4.2	2.8	3.4	3.2	-4.9 %
23 . Rep. of Korea	927.7 *	867.0 *	821.1	783.3	716.7 *	-2.5 %
PACIFIC ISLANDS						
24 . Cook Islands						
25 . Fiji Islands	14.0 *	18.4 *	14.4 *	7.5 *	10.0 *	-3.5 %
26 . Kiribati						
27 . Marshall Islands						
28 . Nauru						
29 . Niue						
30 . Palau						
31 . Papua New Guinea	10.7 *	8.2 *	9.3 *	11.7 *	11.8 *	-1.6 %
32 . Samoa	.0	.0	1.3	4.9	4.9 *	92.3 %
33 . Solomon Islands						
34 . Tonga						
35 . Vanuatu						
SUB-TOTAL	54 086.8	68 367.8	70 885.5	67 216.3	68 755.6	3.2 %
<b>DEVELOPED COUNTRIES</b>						
36 . Australia	1 284.6 *	2 250.0 *	2 353.0 *	2 275.0 *	2 463.0 *	6.7 %
37 . Japan	1 752.0	1 418.6	1 438.7	1 452.3	1 354.0	-3.0 %
38 . New Zealand	438.5 *	661.5 *	716.0 *	812.7	889.2	5.2 %
SUB-TOTAL	3 475.1	4 330.1	4 507.7	4 540.0	4 706.2	2.6 %
ASIA & PACIFIC*	57 561.9	72 697.8	75 393.2	71 756.3	73 461.8	3.1 %
REST OF WORLD	77 044.5	65 469.2	64 908.3	63 442.0	64 267.9	-0.9 %
WORLD	134 606.4	138 167.1	140 301.5	135 198.3	137 729.7	1.1 %

**Table 8. Mineral fertilizers : consumption per ha of agricultural land**

Unit: kg plant nutrient/ha

Country	1991	1998	1999	2000	2001
<b>DEVELOPING COUNTRIES</b>					
SOUTHEAST ASIA					
1 . Cambodia	1.5	2.0	.0	.0	.0
2 . Indonesia	80.5	85.9	77.1	74.2	75.1
3 . Lao PDR	3.0	4.9	10.4	6.3	12.8
4 . Malaysia	130.7	184.9	174.1	156.2	149.1
5 . Myanmar	8.3	16.9	15.9	19.6	15.5
6 . Philippines	45	60	70	69	73
7 . Thailand	46.4	89.5	96.3	85.3	93.8
8 . Viet Nam	121.7	254.5	269.0	288.0	236.9
SOUTH ASIA					
9 . Bangladesh	109.9	140.5	161.8	155.6	159.7
10 . Bhutan	0.8	0.0	0.0	0.0	0.0
11 . India	75.2	99.0	106.4	98.4	102.2
12 . Maldives	0.0	0.0	0.0	0.0	0.0
13 . Nepal	34	40	31	23	22
14 . Pakistan	89.9	117.3	129.5	134.9	131.9
15 . Sri Lanka	93.1	123.3	136.0	129.3	122.7
CENTRAL ASIA					
16 . Kazakhstan		0.5	1.6	1.7	2.3
17 . Tajikistan		35.8	10.2	8.4	11.4
18 . Uzbekistan		170.4	160.3	151.5	143.5
OTHER ASIA					
19 . China	225.7	259.9	251.4	230.2	227.8
20 . DPR Korea	312	56	90	91	103
21 . Iran (Islamic Rep. of)	63.8	67.4	72.8	85.4	79.8
22 . Mongolia	11.7	3.2	2.4	2.9	2.7
23 . Rep. of Korea	444	454	432	408	379
PACIFIC ISLANDS					
24 . Cook Islands	0.0	0.0	0.0	0.0	0.0
25 . Fiji Islands	55.8	64.6	50.5	26.3	35.1
26 . Kiribati	0.0	0.0	0.0	0.0	0.0
27 . Marshall Islands		0.0	0.0	0.0	0.0
28 . Nauru					
29 . Niue	0.0	0.0	0.0	0.0	0.0
30 . Palau		0.0	0.0	0.0	0.0
31 . Papua New Guinea	13.7	9.9	11.0	13.7	13.7
32 . Samoa	0.0	0.0	10.6	38.7	38.0
33 . Solomon Islands	0.0	0.0	0.0	0.0	0.0
34 . Tonga	0.0	0.0	0.0	0.0	0.0
35 . Vanuatu	0.0	0.0	0.0	0.0	0.0
SUB-TOTAL	120.3	139.5	143.0	134.8	135.7
<b>DEVELOPED COUNTRIES</b>					
36 . Australia	28.0	41.8	48.8	45.0	48.7
37 . Japan	336.7	289.2	295.7	300.7	282.4
38 . New Zealand	112.2	201.7	218.3	243.3	263.7
SUB-TOTAL	63.2	69.9	80.0	77.2	80.1
ASIA & PACIFIC*	114.1	131.7	136.6	128.7	129.9
REST OF WORLD	77.1	67.7	67.2	65.7	66.5
WORLD	89.5	91.0	92.4	88.7	89.9

**Table 9. Agricultural tractors : number in use**

Unit: Number

Country	1991	1998	1999	2000	2001	Annual Growth Rate 1991-2001
<b>DEVELOPING COUNTRIES</b>						
<b>SOUTHEAST ASIA</b>						
1 . Cambodia	1 190 F	1 540 F	1 855 F	1 855 F	1 900 F	5.6 %
2 . Indonesia	33 979	70 000 F	70 000 F	70 000 F	70 000 F	7.5 %
3 . Lao PDR	910 F	1 070 F	1 070 F	1 080 F	1 080 F	1.7 %
4 . Malaysia	29 000 F	43 300 F	43 300 F	43 300 F	43 300 F	4.0 %
5 . Myanmar	10 000	9 803	10 209	10 606	10 304	-0.1 %
6 . Philippines	11 000 F	11 500 F	11 500 F	11 500 F	11 500 F	0.2 %
7 . Thailand	65 010	220 000 F	220 000 F	220 000 F	220 000 F	13.7 %
8 . Viet Nam	35 375	122 958	145 850	162 746	163 000 F	17.6 %
<b>SOUTH ASIA</b>						
9 . Bangladesh	5 250 F	5 400 F	5 450 F	5 530 F	5 530 F	0.5 %
10 . Bhutan						%
11 . India	1 063 012	1 500 000 F	1 520 000 F	1 525 000 F	1 525 000 F	3.8 %
12 . Maldives						
13 . Nepal	4 500 F	4 600 F	4 600 F	4 600 F	4 600 F	0.1 %
14 . Pakistan	271 903 F	320 500 F	320 500 F	320 500 F	320 500 F	1.7 %
15 . Sri Lanka	6 300 F	7 356	8 000 F	8 000 F	8 000 F	3.4 %
<b>CENTRAL ASIA</b>						
16 . Kazakhstan		64 249	54 982	49 652	49 000 F	-18.2 %
17 . Tajikistan		30 000 F	30 000 F	30 000 F	30 000 F	-1.0 %
18 . Uzbekistan		170 000 F	170 000 F	170 000 F	170 000 F	-0.3 %
<b>OTHER ASIA</b>						
19 . China	795 713	738 530	798 510	989 143	1 112 617	2.8 %
20 . DPR Korea	70 000 F	70 000 F	70 000 F	70 000 F	70 000 F	0.0 %
21 . Iran (Islamic Rep. of)	220 000 F	230 000 *	233 000 F	237 000 F	237 000 F	0.8 %
22 . Mongolia	10 000 F	5 800 F	5 200 F	4 700	5 000	-7.1 %
23 . Rep. of Korea	52 973	157 888	176 146	191 631	201 089	14.6 %
<b>PACIFIC ISLANDS</b>						
24 . Cook Islands	180	165	165 F	165 F	165 F	-1.6 %
25 . Fiji Islands	6 952	7 000 F	7 000 F	7 000 F	7 000 F	0.0 %
26 . Kiribati	18 F	18 F	18 F	18 F	18 F	0.0 %
27 . Marshall Islands						
28 . Nauru						
29 . Niue	10 F	10 F	10 F	10 F	10 F	0.0 %
30 . Palau		5 F	5 F	5 F	5 F	0.0 %
31 . Papua New Guinea	1 140 F	1 160 F	1 160 F	1 160 F	1 160 F	0.2 %
32 . Samoa	76 F	76 F	80 F	84 F	89 F	1.2 %
33 . Solomon Islands	8 F	9 F	9 F	9 F	9 F	1.6 %
34 . Tonga	135 F	146 F	146 F	150 F	150 F	1.1 %
35 . Vanuatu	75 F	75 F	75 F	75 F	75 F	0.0 %
<b>SUB-TOTAL</b>	<b>2 694 709</b>	<b>3 793 158</b>	<b>3 908 840</b>	<b>4 135 519</b>	<b>4 268 101</b>	<b>3.8 %</b>
<b>DEVELOPED COUNTRIES</b>						
36 . Australia	316 000 F	315 000 F	315 000 F	315 000 F	315 000 F	0.0 %
37 . Japan	1 966 000	2 120 000	2 120 000	2 028 000	2 028 000 F	0.3 %
38 . New Zealand	75 000 F	76 000 F	76 000 F	76 000 F	76 000 F	0.1 %
<b>SUB-TOTAL</b>	<b>2 357 000</b>	<b>2 511 000</b>	<b>2 511 000</b>	<b>2 419 000</b>	<b>2 419 000</b>	<b>0.3 %</b>
<b>ASIA &amp; PACIFIC*</b>	<b>5 051 709</b>	<b>6 304 158</b>	<b>6 419 840</b>	<b>6 554 519</b>	<b>6 687 101</b>	<b>2.4 %</b>
<b>REST OF WORLD</b>	<b>21 196 380</b>	<b>20 249 380</b>	<b>20 145 210</b>	<b>20 135 640</b>	<b>20 166 900</b>	<b>-0.4 %</b>
<b>WORLD</b>	<b>26 248 090</b>	<b>26 553 540</b>	<b>26 565 050</b>	<b>26 690 160</b>	<b>26 854 000</b>	<b>0.2 %</b>