

Crop Water Requirement in North Region

No	Name	Age of plant (day)	Days of Irrigated (day)	Average Evapo. (mm.)	ET/E (k'p)	ET/day (mm.)	Total Crop Water Requirement	
							mm.	cu.m./rai
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
1	Rice(High Yield Variety)	100	86	5.0	1.30	8.0	688	1101
2	Rice(Khao Dawk Mali 105)	100	86	5.0	1.14	7.2	619	991
3	Rice (Basmati)	100	86	5.0	1.29	8.0	684	1094
4	Wheat	100	86	5.0	0.71	3.6	305	488
5	Maize	100	86	5.0	0.80	4.0	344	550
6	Sweet corn	75	68	5.0	0.79	4.0	269	430
7	Sorghum	110	96	5.0	0.79	4.0	379	607
8	Soybean	100	86	5.0	0.85	4.3	366	585
9	Ground nut	105	91	5.0	0.80	4.0	364	582
10	Mungbean	70	63	5.0	0.67	3.4	211	338
11	Sesame	90	76	5.0	0.76	3.8	289	462
12	Tobacco	90	83	5.0	0.94	4.7	390	624
13	Sunflower	110	96	5.0	0.80	4.0	384	614
14	Watermelon	85	78	5.0	1.05	5.3	410	655
15	Cotton	160	130	5.0	0.71	3.6	462	738
16	Sugarcane	300	270	5.0	0.71	3.6	959	1534
17	Castor bean	230	200	5.0	0.73	3.7	730	1168
18	Taro	170	156	5.0	1.48	7.4	1154	1847
19	Asparagus	365	365	5.0	0.82	4.1	1497	2394
20	Tomato	110	96	5.0	1.01	5.1	485	776
21	Onion	100	86	5.0	0.90	4.5	387	619
22	Shallot	85	71	5.0	0.84	4.2	298	477
23	Garlic	110	96	5.0	0.55	2.8	264	422
24	Potato	95	81	5.0	0.89	4.5	360	577

Crop Water Requirement in North Region(cont.)

No	Name	Age of plant (day)	Days of Irrigated (day)	Average Evapo. (mm.)	ET/E (k'p)	ET/day (mm.)	Total Crop Water Requirement	
							mm.	cu.m./rai
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
25	Bird peper	150	120	5.0	0.79	4.0	474	758
26	Bitter gourd	75	68	5.0	0.94	4.7	320	511
27	Cauliflower	45	45	5.0	0.86	4.3	194	310
28	Chinese kale	55	55	5.0	0.59	3.0	162	260
29	Yard long bean	80	73	5.0	0.77	3.9	281	450
30	Sugar pea	85	78	5.0	0.76	3.8	296	474
31	Winged bean	135	105	5.0	0.74	3.7	389	622
32	Chinese white cabbage	45	45	5.0	0.59	3.0	133	212
33	Celery cabbage	60	60	5.0	0.64	3.2	192	307
34	Chinese radish	45	45	5.0	0.81	4.1	182	292
35	Baby corn	65	58	5.0	0.97	4.9	281	450
36	Sweet potato	125	95	5.0	0.96	4.8	456	730

Remarks 1. No 1,2,3,column 7 have added infiltration rate =1.5 mm./day already

2. Depth of water for soaking in paddy field = 200-300 mm.

3. Depth of water for land preparation in field crop = 60-90 mm.

Crop Water Requirement in North Region

Mae Hong Son

No	Name	Age of plant (day)	Days of Irrigated (day)	Average Evapo. (mm.)	ET/E (k'p)	ET/day (mm.)	Total Crop Water Requirement	
							mm.	cu.m./rai
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
1	Rice(High Yield Variety)	100	86	4.9	1.30	7.9	677	1083
2	Rice(Khao Dawk Mali 105)	100	86	4.9	1.14	7.1	609	975
3	Rice (Basmati)	100	86	4.9	1.29	7.8	673	1076
4	Wheat	100	86	4.9	0.71	3.5	299	479
5	Maize	100	86	4.9	0.80	3.9	337	539
6	Sweet corn	75	68	4.9	0.79	3.9	263	421
7	Sorghum	110	96	4.9	0.79	3.9	372	595
8	Soybean	100	86	4.9	0.85	4.2	358	573
9	Ground nut	105	91	4.9	0.80	3.9	357	571
10	Mungbean	70	63	4.9	0.67	3.3	207	331
11	Sesame	90	76	4.9	0.76	3.7	283	453
12	Tobacco	90	83	4.9	0.94	4.6	382	612
13	Sunflower	110	96	4.9	0.80	3.9	376	602
14	Watermelon	85	78	4.9	1.05	5.1	401	642
15	Cotton	160	130	4.9	0.71	3.5	452	724
16	Sugarcane	300	270	4.9	0.71	3.5	939	1503
17	Castor bean	230	200	4.9	0.73	3.6	715	1145
18	Taro	170	156	4.9	1.48	7.3	1131	1810
19	Asparagus	365	365	4.9	0.82	4.0	1467	2347
20	Tomato	110	96	4.9	1.01	4.9	475	760
21	Onion	100	86	4.9	0.90	4.4	379	607
22	Shallot	85	71	4.9	0.84	4.1	292	468
23	Garlic	110	96	4.9	0.55	2.7	259	414
24	Potato	95	81	4.9	0.89	4.4	353	565

Crop Water Requirement in North Region(cont.)

Mae Hong Son

No	Name	Age of plant (day)	Days of Irrigated (day)	Average Evapo. (mm.)	ET/E (k'p)	ET/day (mm.)	Total Crop Water Requirement	
							mm.	cu.m./rai
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
25	Bird peper	150	120	4.9	0.79	3.9	465	743
26	Bitter gourd	75	68	4.9	0.94	4.6	313	501
27	Cauliflower	45	45	4.9	0.86	4.2	190	303
28	Chinese kale	55	55	4.9	0.59	2.9	159	254
29	Yard long bean	80	73	4.9	0.77	3.8	275	441
30	Sugar pea	85	78	4.9	0.76	3.7	290	465
31	Winged bean	135	105	4.9	0.74	3.6	381	609
32	Chinese white cabbage	45	45	4.9	0.59	2.9	130	208
33	Celery cabbage	60	60	4.9	0.64	3.1	188	301
34	Chinese radish	45	45	4.9	0.81	4.0	179	286
35	Baby corn	65	58	4.9	0.97	4.8	276	441
36	Sweet potato	125	95	4.9	0.96	4.7	447	715

Remarks 1. No 1,2,3,column 7 have added infiltration rate =1.5 mm./day already

2. Depth of water for soaking in paddy field = 200-300 mm.

3. Depth of water for land preparation in field crop = 60-90 mm.

Crop Water Requirement in North Region
Chiang Mai

No	Name	Age of plant (day)	Days of Irrigated (day)	Average Evapo. (mm.)	ET/E (k'p)	ET/day (mm.)	Total Crop Water Requirement	
							mm.	cu.m./rai
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
1	Rice(High Yield Variety)	100	86	4.8	1.30	7.7	666	1065
2	Rice(Khao Dawk Mali 105)	100	86	4.8	1.14	7.0	600	959
3	Rice (Basmati)	100	86	4.8	1.29	7.7	662	1058
4	Wheat	100	86	4.8	0.71	3.4	293	469
5	Maize	100	86	4.8	0.80	3.8	330	528
6	Sweet corn	75	68	4.8	0.79	3.8	258	413
7	Sorghum	110	96	4.8	0.79	3.8	364	582
8	Soybean	100	86	4.8	0.85	4.1	351	561
9	Ground nut	105	91	4.8	0.80	3.8	349	559
10	Mungbean	70	63	4.8	0.67	3.2	203	324
11	Sesame	90	76	4.8	0.76	3.6	277	444
12	Tobacco	90	83	4.8	0.94	4.5	374	599
13	Sunflower	110	96	4.8	0.80	3.8	369	590
14	Watermelon	85	78	4.8	1.05	5.0	393	629
15	Cotton	160	130	4.8	0.71	3.4	443	709
16	Sugarcane	300	270	4.8	0.71	3.4	920	1472
17	Castor bean	230	200	4.8	0.73	3.5	701	1121
18	Taro	170	156	4.8	1.48	7.1	1108	1773
19	Asparagus	365	365	4.8	0.82	3.9	1437	2299
20	Tomato	110	96	4.8	1.01	4.8	465	745
21	Onion	100	86	4.8	0.90	4.3	372	594
22	Shallot	85	71	4.8	0.84	4.0	286	458
23	Garlic	110	96	4.8	0.55	2.6	253	406
24	Potato	95	81	4.8	0.89	4.3	346	554

Crop Water Requirement in North Region(cont.)

Chiang Mai

No	Name	Age of plant (day)	Days of Irrigated (day)	Average Evapo. (mm.)	ET/E (k'p)	ET/day (mm.)	Total Crop Water Requirement	
							mm.	cu.m./rai
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
25	Bird peper	150	120	4.8	0.79	3.8	455	728
26	Bitter gourd	75	68	4.8	0.94	4.5	307	491
27	Cauliflower	45	45	4.8	0.86	4.1	186	297
28	Chinese kale	55	55	4.8	0.59	2.8	156	249
29	Yard long bean	80	73	4.8	0.77	3.7	270	432
30	Sugar pea	85	78	4.8	0.76	3.6	285	455
31	Winged bean	135	105	4.8	0.74	3.6	373	597
32	Chinese white cabbage	45	45	4.8	0.59	2.8	127	204
33	Celery cabbage	60	60	4.8	0.64	3.1	184	295
34	Chinese radish	45	45	4.8	0.81	3.9	175	280
35	Baby corn	65	58	4.8	0.97	4.7	270	432
36	Sweet potato	125	95	4.8	0.96	4.6	438	700

Remarks 1. No 1,2,3,column 7 have added infiltration rate =1.5 mm./day already

2. Depth of water for soaking in paddy field = 200-300 mm.

3. Depth of water for land preparation in field crop = 60-90 mm.

Crop Water Requirement in North Region
Lamphun

No	Name	Age of plant (day)	Days of Irrigated (day)	Average Evapo. (mm.)	ET/E (k'p)	ET/day (mm.)	Total Crop Water Requirement	
							mm.	cu.m./rai
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
1	Rice(High Yield Variety)	100	86	5.4	1.30	8.5	733	1172
2	Rice(Khao Dawk Mali 105)	100	86	5.4	1.14	7.7	658	1053
3	Rice (Basmati)	100	86	5.4	1.29	8.5	728	1165
4	Wheat	100	86	5.4	0.71	3.8	330	528
5	Maize	100	86	5.4	0.80	4.3	372	594
6	Sweet corn	75	68	5.4	0.79	4.3	290	464
7	Sorghum	110	96	5.4	0.79	4.3	410	655
8	Soybean	100	86	5.4	0.85	4.6	395	632
9	Ground nut	105	91	5.4	0.80	4.3	393	629
10	Mungbean	70	63	5.4	0.67	3.6	228	365
11	Sesame	90	76	5.4	0.76	4.1	312	499
12	Tobacco	90	83	5.4	0.94	5.1	421	674
13	Sunflower	110	96	5.4	0.80	4.3	415	664
14	Watermelon	85	78	5.4	1.05	5.7	442	708
15	Cotton	160	130	5.4	0.71	3.8	498	797
16	Sugarcane	300	270	5.4	0.71	3.8	1035	1656
17	Castor bean	230	200	5.4	0.73	3.9	788	1261
18	Taro	170	156	5.4	1.48	8.0	1247	1995
19	Asparagus	365	365	5.4	0.82	4.4	1616	2586
20	Tomato	110	96	5.4	1.01	5.5	524	838
21	Onion	100	86	5.4	0.90	4.9	418	669
22	Shallot	85	71	5.4	0.84	4.5	322	515
23	Garlic	110	96	5.4	0.55	3.0	285	456
24	Potato	95	81	5.4	0.89	4.8	389	623

Crop Water Requirement in North Region(cont.)
Lamphun

No	Name	Age of plant (day)	Days of Irrigated (day)	Average Evapo. (mm.)	ET/E (k'p)	ET/day (mm.)	Total Crop Water Requirement	
							mm.	cu.m./rai
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
25	Bird peper	150	120	5.4	0.79	4.3	512	819
26	Bitter gourd	75	68	5.4	0.94	5.1	345	552
27	Cauliflower	45	45	5.4	0.86	4.6	209	334
28	Chinese kale	55	55	5.4	0.59	3.2	175	280
29	Yard long bean	80	73	5.4	0.77	4.2	304	486
30	Sugar pea	85	78	5.4	0.76	4.1	320	512
31	Winged bean	135	105	5.4	0.74	4.0	420	671
32	Chinese white cabbage	45	45	5.4	0.59	3.2	143	229
33	Celery cabbage	60	60	5.4	0.64	3.5	207	332
34	Chinese radish	45	45	5.4	0.81	4.4	197	315
35	Baby corn	65	58	5.4	0.97	5.2	304	486
36	Sweet potato	125	95	5.4	0.96	5.2	492	788

Remarks 1. No 1,2,3,column 7 have added infiltration rate =1.5 mm./day already

2. Depth of water for soaking in paddy field = 200-300 mm.

3. Depth of water for land preparation in field crop = 60-90 mm.

Crop Water Requirement in North Region
Chiang Rai

No	Name	Age of plant (day)	Days of Irrigated (day)	Average Evapo. (mm.)	ET/E (k'p)	ET/day (mm.)	Total Crop Water Requirement	
							mm.	cu.m./rai
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
1	Rice(High Yield Variety)	100	86	4.5	1.30	7.4	632	1011
2	Rice(Khao Dawk Mali 105)	100	86	4.5	1.14	6.6	570	912
3	Rice (Basmati)	100	86	4.5	1.29	7.3	628	1005
4	Wheat	100	86	4.5	0.71	3.2	275	440
5	Maize	100	86	4.5	0.80	3.6	310	495
6	Sweet corn	75	68	4.5	0.79	3.6	242	387
7	Sorghum	110	96	4.5	0.79	3.6	341	546
8	Soybean	100	86	4.5	0.85	3.8	329	526
9	Ground nut	105	91	4.5	0.80	3.6	328	524
10	Mungbean	70	63	4.5	0.67	3.0	190	304
11	Sesame	90	76	4.5	0.76	3.4	260	416
12	Tobacco	90	83	4.5	0.94	4.2	351	562
13	Sunflower	110	96	4.5	0.80	3.6	346	553
14	Watermelon	85	78	4.5	1.05	4.7	369	590
15	Cotton	160	130	4.5	0.71	3.2	415	665
16	Sugarcane	300	270	4.5	0.71	3.2	863	1380
17	Castor bean	230	200	4.5	0.73	3.3	657	1051
18	Taro	170	156	4.5	1.48	6.7	1039	1662
19	Asparagus	365	365	4.5	0.82	3.7	1347	2155
20	Tomato	110	96	4.5	1.01	4.5	436	698
21	Onion	100	86	4.5	0.90	4.1	348	557
22	Shallot	85	71	4.5	0.84	3.8	268	429
23	Garlic	110	96	4.5	0.55	2.5	238	380
24	Potato	95	81	4.5	0.89	4.0	324	519

Crop Water Requirement in North Region(cont.)

Chiang Rai

No	Name	Age of plant (day)	Days of Irrigated (day)	Average Evapo. (mm.)	ET/E (k'p)	ET/day (mm.)	Total Crop Water Requirement	
							mm.	cu.m./rai
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
25	Bird peper	150	120	4.5	0.79	3.6	427	683
26	Bitter gourd	75	68	4.5	0.94	4.2	288	460
27	Cauliflower	45	45	4.5	0.86	3.9	174	279
28	Chinese kale	55	55	4.5	0.59	2.7	146	234
29	Yard long bean	80	73	4.5	0.77	3.5	253	405
30	Sugar pea	85	78	4.5	0.76	3.4	267	427
31	Winged bean	135	105	4.5	0.74	3.3	350	559
32	Chinese white cabbage	45	45	4.5	0.59	2.7	119	191
33	Celery cabbage	60	60	4.5	0.64	2.9	173	276
34	Chinese radish	45	45	4.5	0.81	3.6	164	262
35	Baby corn	65	58	4.5	0.97	4.4	253	405
36	Sweet potato	125	95	4.5	0.96	4.3	410	657

Remarks 1. No 1,2,3,column 7 have added infiltration rate =1.5 mm./day already

2. Depth of water for soaking in paddy field = 200-300 mm.

3. Depth of water for land preparation in field crop = 60-90 mm.

Crop Water Requirement in North Region
Phayao

No	Name	Age of plant (day)	Days of Irrigated (day)	Average Evapo. (mm.)	ET/E (k'p)	ET/day (mm.)	Total Crop Water Requirement	
							mm.	cu.m./rai
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
1	Rice(High Yield Variety)	100	86	4.7	1.30	7.6	654	1047
2	Rice(Khao Dawk Mali 105)	100	86	4.7	1.14	6.9	590	944
3	Rice (Basmati)	100	86	4.7	1.29	7.6	650	1041
4	Wheat	100	86	4.7	0.71	3.3	287	459
5	Maize	100	86	4.7	0.80	3.8	323	517
6	Sweet corn	75	68	4.7	0.79	3.7	252	404
7	Sorghum	110	96	4.7	0.79	3.7	356	570
8	Soybean	100	86	4.7	0.85	4.0	344	550
9	Ground nut	105	91	4.7	0.80	3.8	342	547
10	Mungbean	70	63	4.7	0.67	3.1	198	317
11	Sesame	90	76	4.7	0.76	3.6	271	434
12	Tobacco	90	83	4.7	0.94	4.4	367	587
13	Sunflower	110	96	4.7	0.80	3.8	361	578
14	Watermelon	85	78	4.7	1.05	4.9	385	616
15	Cotton	160	130	4.7	0.71	3.3	434	694
16	Sugarcane	300	270	4.7	0.71	3.3	901	1442
17	Castor bean	230	200	4.7	0.73	3.4	686	1098
18	Taro	170	156	4.7	1.48	7.0	1085	1736
19	Asparagus	365	365	4.7	0.82	3.9	1407	2251
20	Tomato	110	96	4.7	1.01	4.7	456	729
21	Onion	100	86	4.7	0.90	4.2	364	582
22	Shallot	85	71	4.7	0.84	3.9	280	448
23	Garlic	110	96	4.7	0.55	2.6	248	397
24	Potato	95	81	4.7	0.89	4.2	339	542

Crop Water Requirement in North Region(cont.)

Phayao

No	Name	Age of plant (day)	Days of Irrigated (day)	Average Evapo. (mm.)	ET/E (k'p)	ET/day (mm.)	Total Crop Water Requirement	
							mm.	cu.m./rai
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
25	Bird peper	150	120	4.7	0.79	3.7	446	713
26	Bitter gourd	75	68	4.7	0.94	4.4	300	481
27	Cauliflower	45	45	4.7	0.86	4.0	182	291
28	Chinese kale	55	55	4.7	0.59	2.8	153	244
29	Yard long bean	80	73	4.7	0.77	3.6	264	423
30	Sugar pea	85	78	4.7	0.76	3.6	279	446
31	Winged bean	135	105	4.7	0.74	3.5	365	584
32	Chinese white cabbage	45	45	4.7	0.59	2.8	125	200
33	Celery cabbage	60	60	4.7	0.64	3.0	180	289
34	Chinese radish	45	45	4.7	0.81	3.8	171	274
35	Baby corn	65	58	4.7	0.97	4.6	264	423
36	Sweet potato	125	95	4.7	0.96	4.5	429	686

Remarks 1. No 1,2,3,column 7 have added infiltration rate =1.5 mm./day already

2. Depth of water for soaking in paddy field = 200-300 mm.

3. Depth of water for land preparation in field crop = 60-90 mm.

Crop Water Requirement in North Region
Lampang

No	Name	Age of plant (day)	Days of Irrigated (day)	Average Evapo. (mm.)	ET/E (k'p)	ET/day (mm.)	Total Crop Water Requirement	
							mm.	cu.m./rai
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
1	Rice(High Yield Variety)	100	86	4.3	1.30	7.1	610	976
2	Rice(Khao Dawk Mali 105)	100	86	4.3	1.14	6.4	551	881
3	Rice (Basmati)	100	86	4.3	1.29	7.0	606	970
4	Wheat	100	86	4.3	0.71	3.1	263	420
5	Maize	100	86	4.3	0.80	3.4	296	473
6	Sweet corn	75	68	4.3	0.79	3.4	231	370
7	Sorghum	110	96	4.3	0.79	3.4	326	522
8	Soybean	100	86	4.3	0.85	3.7	314	503
9	Ground nut	105	91	4.3	0.80	3.4	313	501
10	Mungbean	70	63	4.3	0.67	2.9	182	290
11	Sesame	90	76	4.3	0.76	3.3	248	397
12	Tobacco	90	83	4.3	0.94	4.0	335	537
13	Sunflower	110	96	4.3	0.80	3.4	330	528
14	Watermelon	85	78	4.3	1.05	4.5	352	563
15	Cotton	160	130	4.3	0.71	3.1	397	635
16	Sugarcane	300	270	4.3	0.71	3.1	824	1319
17	Castor bean	230	200	4.3	0.73	3.1	628	1004
18	Taro	170	156	4.3	1.48	6.4	993	1588
19	Asparagus	365	365	4.3	0.82	3.5	1287	2059
20	Tomato	110	96	4.3	1.01	4.3	417	667
21	Onion	100	86	4.3	0.90	3.9	333	533
22	Shallot	85	71	4.3	0.84	3.6	256	410
23	Garlic	110	96	4.3	0.55	2.4	227	363
24	Potato	95	81	4.3	0.89	3.8	310	496

Crop Water Requirement in North Region(cont.)

Lampang

No	Name	Age of plant (day)	Days of Irrigated (day)	Average Evapo. (mm.)	ET/E (k'p)	ET/day (mm.)	Total Crop Water Requirement	
							mm.	cu.m./rai
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
25	Bird peper	150	120	4.3	0.79	3.4	408	652
26	Bitter gourd	75	68	4.3	0.94	4.0	275	440
27	Cauliflower	45	45	4.3	0.86	3.7	166	266
28	Chinese kale	55	55	4.3	0.59	2.5	140	223
29	Yard long bean	80	73	4.3	0.77	3.3	242	387
30	Sugar pea	85	78	4.3	0.76	3.3	255	408
31	Winged bean	135	105	4.3	0.74	3.2	334	535
32	Chinese white cabbage	45	45	4.3	0.59	2.5	114	183
33	Celery cabbage	60	60	4.3	0.64	2.8	165	264
34	Chinese radish	45	45	4.3	0.81	3.5	157	251
35	Baby corn	65	58	4.3	0.97	4.2	242	387
36	Sweet potato	125	95	4.3	0.96	4.1	392	627

Remarks 1. No 1,2,3,column 7 have added infiltration rate =1.5 mm./day already

2. Depth of water for soaking in paddy field = 200-300 mm.

3. Depth of water for land preparation in field crop = 60-90 mm.

Crop Water Requirement in North Region Nan

No	Name	Age of plant (day)	Days of Irrigated (day)	Average Evapo. (mm.)	ET/E (k'p)	ET/day (mm.)	Total Crop Water Requirement	
							mm.	cu.m./rai
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
1	Rice(High Yield Variety)	100	86	3.6	1.30	6.2	531	850
2	Rice(Khao Dawk Mali 105)	100	86	3.6	1.14	5.6	482	771
3	Rice (Basmati)	100	86	3.6	1.29	6.1	528	845
4	Wheat	100	86	3.6	0.71	2.6	220	352
5	Maize	100	86	3.6	0.80	2.9	248	396
6	Sweet corn	75	68	3.6	0.79	2.8	193	309
7	Sorghum	110	96	3.6	0.79	2.8	273	437
8	Soybean	100	86	3.6	0.85	3.1	263	421
9	Ground nut	105	91	3.6	0.80	2.9	262	419
10	Mungbean	70	63	3.6	0.67	2.4	152	243
11	Sesame	90	76	3.6	0.76	2.7	208	333
12	Tobacco	90	83	3.6	0.94	3.4	281	449
13	Sunflower	110	96	3.6	0.80	2.9	276	442
14	Watermelon	85	78	3.6	1.05	3.8	295	472
15	Cotton	160	130	3.6	0.71	2.6	332	532
16	Sugarcane	300	270	3.6	0.71	2.6	690	1104
17	Castor bean	230	200	3.6	0.73	2.6	526	841
18	Taro	170	156	3.6	1.48	5.3	831	1330
19	Asparagus	365	365	3.6	0.82	3.0	1077	1724
20	Tomato	110	96	3.6	1.01	3.6	349	558
21	Onion	100	86	3.6	0.90	3.2	279	446
22	Shallot	85	71	3.6	0.84	3.0	215	344
23	Garlic	110	96	3.6	0.55	2.0	190	304
24	Potato	95	81	3.6	0.89	3.2	260	415

Crop Water Requirement in North Region(cont.)

Nan

No	Name	Age of plant (day)	Days of Irrigated (day)	Average Evapo. (mm.)	ET/E (k'p)	ET/day (mm.)	Total Crop Water Requirement	
							mm.	cu.m./rai
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
25	Bird peper	150	120	3.6	0.79	2.8	341	546
26	Bitter gourd	75	68	3.6	0.94	3.4	230	368
27	Cauliflower	45	45	3.6	0.86	3.1	139	223
28	Chinese kale	55	55	3.6	0.59	2.1	117	187
29	Yard long bean	80	73	3.6	0.77	2.8	202	324
30	Sugar pea	85	78	3.6	0.76	2.7	213	341
31	Winged bean	135	105	3.6	0.74	2.7	280	448
32	Chinese white cabbage	45	45	3.6	0.59	2.1	96	153
33	Celery cabbage	60	60	3.6	0.64	2.3	138	221
34	Chinese radish	45	45	3.6	0.81	2.9	131	210
35	Baby corn	65	58	3.6	0.97	3.5	203	324
36	Sweet potato	125	95	3.6	0.96	3.5	328	525

Remarks 1. No 1,2,3,column 7 have added infiltration rate =1.5 mm./day already

2. Depth of water for soaking in paddy field = 200-300 mm.

3. Depth of water for land preparation in field crop = 60-90 mm.

Crop Water Requirement in North Region
Phrae

No	Name	Age of plant (day)	Days of Irrigated (day)	Average Evapo. (mm.)	ET/E (k'p)	ET/day (mm.)	Total Crop Water Requirement	
							mm.	cu.m./rai
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
1	Rice(High Yield Variety)	100	86	5.3	1.30	8.4	722	1154
2	Rice(Khao Dawk Mali 105)	100	86	5.3	1.14	7.5	649	1038
3	Rice (Basmati)	100	86	5.3	1.29	8.3	717	1147
4	Wheat	100	86	5.3	0.71	3.8	324	518
5	Maize	100	86	5.3	0.80	4.2	365	583
6	Sweet corn	75	68	5.3	0.79	4.2	285	456
7	Sorghum	110	96	5.3	0.79	4.2	402	643
8	Soybean	100	86	5.3	0.85	4.5	387	620
9	Ground nut	105	91	5.3	0.80	4.2	386	617
10	Mungbean	70	63	5.3	0.67	3.6	224	358
11	Sesame	90	76	5.3	0.76	4.0	306	490
12	Tobacco	90	83	5.3	0.94	5.0	414	662
13	Sunflower	110	96	5.3	0.80	4.2	407	651
14	Watermelon	85	78	5.3	1.05	5.6	434	695
15	Cotton	160	130	5.3	0.71	3.8	489	783
16	Sugarcane	300	270	5.3	0.71	3.8	1016	1626
17	Castor bean	230	200	5.3	0.73	3.9	774	1238
18	Taro	170	156	5.3	1.48	7.8	1224	1958
19	Asparagus	365	365	5.3	0.82	4.3	1586	2538
20	Tomato	110	96	5.3	1.01	5.4	514	822
21	Onion	100	86	5.3	0.90	4.8	410	656
22	Shallot	85	71	5.3	0.84	4.5	316	506
23	Garlic	110	96	5.3	0.55	2.9	280	448
24	Potato	95	81	5.3	0.89	4.7	382	611

Crop Water Requirement in North Region(cont.)

Phrae

No	Name	Age of plant (day)	Days of Irrigated (day)	Average Evapo. (mm.)	ET/E (k'p)	ET/day (mm.)	Total Crop Water Requirement	
							mm.	cu.m./rai
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
25	Bird peper	150	120	5.3	0.79	4.2	502	804
26	Bitter gourd	75	68	5.3	0.94	5.0	339	542
27	Cauliflower	45	45	5.3	0.86	4.6	205	328
28	Chinese kale	55	55	5.3	0.59	3.1	172	275
29	Yard long bean	80	73	5.3	0.77	4.1	298	477
30	Sugar pea	85	78	5.3	0.76	4.0	314	503
31	Winged bean	135	105	5.3	0.74	3.9	412	659
32	Chinese white cabbage	45	45	5.3	0.59	3.1	141	225
33	Celery cabbage	60	60	5.3	0.64	3.4	204	326
34	Chinese radish	45	45	5.3	0.81	4.3	193	309
35	Baby corn	65	58	5.3	0.97	5.1	298	477
36	Sweet potato	125	95	5.3	0.96	5.1	483	773

Remarks 1. No 1,2,3,column 7 have added infiltration rate =1.5 mm./day already

2. Depth of water for soaking in paddy field = 200-300 mm.

3. Depth of water for land preparation in field crop = 60-90 mm.

Crop Water Requirement in North Region
Tak

No	Name	Age of plant (day)	Days of Irrigated (day)	Average Evapo. (mm.)	ET/E (k'p)	ET/day (mm.)	Total Crop Water Requirement	
							mm.	cu.m./rai
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
1	Rice(High Yield Variety)	100	86	6.3	1.30	9.7	833	1333
2	Rice(Khao Dawk Mali 105)	100	86	6.3	1.14	8.7	747	1195
3	Rice (Basmati)	100	86	6.3	1.29	9.6	828	1325
4	Wheat	100	86	6.3	0.71	4.5	385	615
5	Maize	100	86	6.3	0.80	5.0	433	694
6	Sweet corn	75	68	6.3	0.79	5.0	338	541
7	Sorghum	110	96	6.3	0.79	5.0	478	764
8	Soybean	100	86	6.3	0.85	5.4	461	737
9	Ground nut	105	91	6.3	0.80	5.0	459	734
10	Mungbean	70	63	6.3	0.67	4.2	266	425
11	Sesame	90	76	6.3	0.76	4.8	364	582
12	Tobacco	90	83	6.3	0.94	5.9	492	786
13	Sunflower	110	96	6.3	0.80	5.0	484	774
14	Watermelon	85	78	6.3	1.05	6.6	516	826
15	Cotton	160	130	6.3	0.71	4.5	581	930
16	Sugarcane	300	270	6.3	0.71	4.5	1208	1932
17	Castor bean	230	200	6.3	0.73	4.6	920	1472
18	Taro	170	156	6.3	1.48	9.3	1455	2327
19	Asparagus	365	365	6.3	0.82	5.2	1886	3017
20	Tomato	110	96	6.3	1.01	6.4	611	977
21	Onion	100	86	6.3	0.90	5.7	488	780
22	Shallot	85	71	6.3	0.84	5.3	376	601
23	Garlic	110	96	6.3	0.55	3.5	333	532
24	Potato	95	81	6.3	0.89	5.6	454	727

Crop Water Requirement in North Region(cont.)

Tak

No	Name	Age of plant (day)	Days of Irrigated (day)	Average Evapo. (mm.)	ET/E (k'p)	ET/day (mm.)	Total Crop Water Requirement	
							mm.	cu.m./rai
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
25	Bird peper	150	120	6.3	0.79	5.0	597	956
26	Bitter gourd	75	68	6.3	0.94	5.9	403	644
27	Cauliflower	45	45	6.3	0.86	5.4	244	390
28	Chinese kale	55	55	6.3	0.59	3.7	204	327
29	Yard long bean	80	73	6.3	0.77	4.9	354	567
30	Sugar pea	85	78	6.3	0.76	4.8	373	598
31	Winged bean	135	105	6.3	0.74	4.7	490	783
32	Chinese white cabbage	45	45	6.3	0.59	3.7	167	268
33	Celery cabbage	60	60	6.3	0.64	4.0	242	387
34	Chinese radish	45	45	6.3	0.81	5.1	230	367
35	Baby corn	65	58	6.3	0.97	6.1	354	567
36	Sweet potato	125	95	6.3	0.96	6.0	575	919

Remarks 1. No 1,2,3,column 7 have added infiltration rate =1.5 mm./day already

2. Depth of water for soaking in paddy field = 200-300 mm.

3. Depth of water for land preparation in field crop = 60-90 mm.

Crop Water Requirement in North Region
Kamphaeng Phet

No	Name	Age of plant (day)	Days of Irrigated (day)	Average Evapo. (mm.)	ET/E (k'p)	ET/day (mm.)	Total Crop Water Requirement	
							mm.	cu.m./rai
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
1	Rice(High Yield Variety)	100	86	4.6	1.30	7.5	643	1029
2	Rice(Khao Dawk Mali 105)	100	86	4.6	1.14	6.7	580	928
3	Rice (Basmati)	100	86	4.6	1.29	7.4	639	1023
4	Wheat	100	86	4.6	0.71	3.3	281	449
5	Maize	100	86	4.6	0.80	3.7	316	506
6	Sweet corn	75	68	4.6	0.79	3.6	247	395
7	Sorghum	110	96	4.6	0.79	3.6	349	558
8	Soybean	100	86	4.6	0.85	3.9	336	538
9	Ground nut	105	91	4.6	0.80	3.7	335	536
10	Mungbean	70	63	4.6	0.67	3.1	194	311
11	Sesame	90	76	4.6	0.76	3.5	266	425
12	Tobacco	90	83	4.6	0.94	4.3	359	574
13	Sunflower	110	96	4.6	0.80	3.7	353	565
14	Watermelon	85	78	4.6	1.05	4.8	377	603
15	Cotton	160	130	4.6	0.71	3.3	425	679
16	Sugarcane	300	270	4.6	0.71	3.3	882	1411
17	Castor bean	230	200	4.6	0.73	3.4	672	1075
18	Taro	170	156	4.6	1.48	6.8	1062	1699
19	Asparagus	365	365	4.6	0.82	3.8	1377	2203
20	Tomato	110	96	4.6	1.01	4.6	446	714
21	Onion	100	86	4.6	0.90	4.1	356	570
22	Shallot	85	71	4.6	0.84	3.9	274	439
23	Garlic	110	96	4.6	0.55	2.5	243	389
24	Potato	95	81	4.6	0.89	4.1	332	531

Crop Water Requirement in North Region(cont.)
Kamphaeng Phet

No	Name	Age of plant (day)	Days of Irrigated (day)	Average Evapo. (mm.)	ET/E (k'p)	ET/day (mm.)	Total Crop Water Requirement	
							mm.	cu.m./rai
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
25	Bird peper	150	120	4.6	0.79	3.6	436	698
26	Bitter gourd	75	68	4.6	0.94	4.3	294	470
27	Cauliflower	45	45	4.6	0.86	4.0	178	285
28	Chinese kale	55	55	4.6	0.59	2.7	149	239
29	Yard long bean	80	73	4.6	0.77	3.5	259	414
30	Sugar pea	85	78	4.6	0.76	3.5	273	436
31	Winged bean	135	105	4.6	0.74	3.4	357	572
32	Chinese white cabbage	45	45	4.6	0.59	2.7	122	195
33	Celery cabbage	60	60	4.6	0.64	2.9	177	283
34	Chinese radish	45	45	4.6	0.81	3.7	168	268
35	Baby corn	65	58	4.6	0.97	4.5	259	414
36	Sweet potato	125	95	4.6	0.96	4.4	420	671

Remarks 1. No 1,2,3,column 7 have added infiltration rate =1.5 mm./day already

2. Depth of water for soaking in paddy field = 200-300 mm.

3. Depth of water for land preparation in field crop = 60-90 mm.

Crop Water Requirement in North Region
Nakhon Sawan

No	Name	Age of plant (day)	Days of Irrigated (day)	Average Evapo. (mm.)	ET/E (k'p)	ET/day (mm.)	Total Crop Water Requirement	
							mm.	cu.m./rai
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
1	Rice(High Yield Variety)	100	86	6.4	1.30	9.8	845	1351
2	Rice(Khao Dawk Mali 105)	100	86	6.4	1.14	8.8	756	1210
3	Rice (Basmati)	100	86	6.4	1.29	9.8	839	1342
4	Wheat	100	86	6.4	0.71	4.5	391	625
5	Maize	100	86	6.4	0.80	5.1	440	705
6	Sweet corn	75	68	6.4	0.79	5.1	344	550
7	Sorghum	110	96	6.4	0.79	5.1	485	777
8	Soybean	100	86	6.4	0.85	5.4	468	749
9	Ground nut	105	91	6.4	0.80	5.1	466	745
10	Mungbean	70	63	6.4	0.67	4.3	270	432
11	Sesame	90	76	6.4	0.76	4.9	370	591
12	Tobacco	90	83	6.4	0.94	6.0	499	799
13	Sunflower	110	96	6.4	0.80	5.1	492	786
14	Watermelon	85	78	6.4	1.05	6.7	524	839
15	Cotton	160	130	6.4	0.71	4.5	591	945
16	Sugarcane	300	270	6.4	0.71	4.5	1227	1963
17	Castor bean	230	200	6.4	0.73	4.7	934	1495
18	Taro	170	156	6.4	1.48	9.5	1478	2364
19	Asparagus	365	365	6.4	0.82	5.2	1916	3065
20	Tomato	110	96	6.4	1.01	6.5	621	993
21	Onion	100	86	6.4	0.90	5.8	495	793
22	Shallot	85	71	6.4	0.84	5.4	382	611
23	Garlic	110	96	6.4	0.55	3.5	338	541
24	Potato	95	81	6.4	0.89	5.7	461	738

Crop Water Requirement in North Region(cont.)
Nakhon Sawan

No	Name	Age of plant (day)	Days of Irrigated (day)	Average Evapo. (mm.)	ET/E (k'p)	ET/day (mm.)	Total Crop Water Requirement	
							mm.	cu.m./rai
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
25	Bird peper	150	120	6.4	0.79	5.1	607	971
26	Bitter gourd	75	68	6.4	0.94	6.0	409	655
27	Cauliflower	45	45	6.4	0.86	5.5	248	396
28	Chinese kale	55	55	6.4	0.59	3.8	208	332
29	Yard long bean	80	73	6.4	0.77	4.9	360	576
30	Sugar pea	85	78	6.4	0.76	4.9	379	607
31	Winged bean	135	105	6.4	0.74	4.7	497	796
32	Chinese white cabbage	45	45	6.4	0.59	3.8	170	272
33	Celery cabbage	60	60	6.4	0.64	4.1	246	393
34	Chinese radish	45	45	6.4	0.81	5.2	233	373
35	Baby corn	65	58	6.4	0.97	6.2	360	576
36	Sweet potato	125	95	6.4	0.96	6.1	584	934

Remarks 1. No 1,2,3,column 7 have added infiltration rate =1.5 mm./day already

2. Depth of water for soaking in paddy field = 200-300 mm.

3. Depth of water for land preparation in field crop = 60-90 mm.

Crop Water Requirement in North Region
Phichit

No	Name	Age of plant (day)	Days of Irrigated (day)	Average Evapo. (mm.)	ET/E (k'p)	ET/day (mm.)	Total Crop Water Requirement	
							mm.	cu.m./rai
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
1	Rice(High Yield Variety)	100	86	4.8	1.30	7.7	666	1065
2	Rice(Khao Dawk Mali 105)	100	86	4.8	1.14	7.0	600	959
3	Rice (Basmati)	100	86	4.8	1.29	7.7	662	1058
4	Wheat	100	86	4.8	0.71	3.4	293	469
5	Maize	100	86	4.8	0.80	3.8	330	528
6	Sweet corn	75	68	4.8	0.79	3.8	258	413
7	Sorghum	110	96	4.8	0.79	3.8	364	582
8	Soybean	100	86	4.8	0.85	4.1	351	561
9	Ground nut	105	91	4.8	0.80	3.8	349	559
10	Mungbean	70	63	4.8	0.67	3.2	203	324
11	Sesame	90	76	4.8	0.76	3.6	277	444
12	Tobacco	90	83	4.8	0.94	4.5	374	599
13	Sunflower	110	96	4.8	0.80	3.8	369	590
14	Watermelon	85	78	4.8	1.05	5.0	393	629
15	Cotton	160	130	4.8	0.71	3.4	443	709
16	Sugarcane	300	270	4.8	0.71	3.4	920	1472
17	Castor bean	230	200	4.8	0.73	3.5	701	1121
18	Taro	170	156	4.8	1.48	7.1	1108	1773
19	Asparagus	365	365	4.8	0.82	3.9	1437	2299
20	Tomato	110	96	4.8	1.01	4.8	465	745
21	Onion	100	86	4.8	0.90	4.3	372	594
22	Shallot	85	71	4.8	0.84	4.0	286	458
23	Garlic	110	96	4.8	0.55	2.6	253	406
24	Potato	95	81	4.8	0.89	4.3	346	554

Crop Water Requirement in North Region(cont.)

Phichit

No	Name	Age of plant (day)	Days of Irrigated (day)	Average Evapo. (mm.)	ET/E (k'p)	ET/day (mm.)	Total Crop Water Requirement	
							mm.	cu.m./rai
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
25	Bird peper	150	120	4.8	0.79	3.8	455	728
26	Bitter gourd	75	68	4.8	0.94	4.5	307	491
27	Cauliflower	45	45	4.8	0.86	4.1	186	297
28	Chinese kale	55	55	4.8	0.59	2.8	156	249
29	Yard long bean	80	73	4.8	0.77	3.7	270	432
30	Sugar pea	85	78	4.8	0.76	3.6	285	455
31	Winged bean	135	105	4.8	0.74	3.6	373	597
32	Chinese white cabbage	45	45	4.8	0.59	2.8	127	204
33	Celery cabbage	60	60	4.8	0.64	3.1	184	295
34	Chinese radish	45	45	4.8	0.81	3.9	175	280
35	Baby corn	65	58	4.8	0.97	4.7	270	432
36	Sweet potato	125	95	4.8	0.96	4.6	438	700

Remarks 1. No 1,2,3,column 7 have added infiltration rate =1.5 mm./day already

2. Depth of water for soaking in paddy field = 200-300 mm.

3. Depth of water for land preparation in field crop = 60-90 mm.

Crop Water Requirement in North Region
Sukhothai

No	Name	Age of plant (day)	Days of Irrigated (day)	Average Evapo. (mm.)	ET/E (k'p)	ET/day (mm.)	Total Crop Water Requirement	
							mm.	cu.m./rai
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
1	Rice(High Yield Variety)	100	86	5.2	1.30	8.3	710	1137
2	Rice(Khao Dawk Mali 105)	100	86	5.2	1.14	7.4	639	1022
3	Rice (Basmati)	100	86	5.2	1.29	8.2	706	1129
4	Wheat	100	86	5.2	0.71	3.7	318	508
5	Maize	100	86	5.2	0.80	4.2	358	572
6	Sweet corn	75	68	5.2	0.79	4.1	279	447
7	Sorghum	110	96	5.2	0.79	4.1	394	631
8	Soybean	100	86	5.2	0.85	4.4	380	608
9	Ground nut	105	91	5.2	0.80	4.2	379	606
10	Mungbean	70	63	5.2	0.67	3.5	219	351
11	Sesame	90	76	5.2	0.76	4.0	300	481
12	Tobacco	90	83	5.2	0.94	4.9	406	649
13	Sunflower	110	96	5.2	0.80	4.2	399	639
14	Watermelon	85	78	5.2	1.05	5.5	426	681
15	Cotton	160	130	5.2	0.71	3.7	480	768
16	Sugarcane	300	270	5.2	0.71	3.7	997	1595
17	Castor bean	230	200	5.2	0.73	3.8	759	1215
18	Taro	170	156	5.2	1.48	7.7	1201	1921
19	Asparagus	365	365	5.2	0.82	4.3	1556	2490
20	Tomato	110	96	5.2	1.01	5.3	504	807
21	Onion	100	86	5.2	0.90	4.7	402	644
22	Shallot	85	71	5.2	0.84	4.4	310	496
23	Garlic	110	96	5.2	0.55	2.9	275	439
24	Potato	95	81	5.2	0.89	4.6	375	600

Crop Water Requirement in North Region(cont.)
Sukhothai

No	Name	Age of plant (day)	Days of Irrigated (day)	Average Evapo. (mm.)	ET/E (k'p)	ET/day (mm.)	Total Crop Water Requirement	
							mm.	cu.m./rai
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
25	Bird peper	150	120	5.2	0.79	4.1	493	789
26	Bitter gourd	75	68	5.2	0.94	4.9	332	532
27	Cauliflower	45	45	5.2	0.86	4.5	201	322
28	Chinese kale	55	55	5.2	0.59	3.1	169	270
29	Yard long bean	80	73	5.2	0.77	4.0	292	468
30	Sugar pea	85	78	5.2	0.76	4.0	308	493
31	Winged bean	135	105	5.2	0.74	3.8	404	646
32	Chinese white cabbage	45	45	5.2	0.59	3.1	138	221
33	Celery cabbage	60	60	5.2	0.64	3.3	200	319
34	Chinese radish	45	45	5.2	0.81	4.2	190	303
35	Baby corn	65	58	5.2	0.97	5.0	293	468
36	Sweet potato	125	95	5.2	0.96	5.0	474	759

Remarks 1. No 1,2,3,column 7 have added infiltration rate =1.5 mm./day already

2. Depth of water for soaking in paddy field = 200-300 mm.

3. Depth of water for land preparation in field crop = 60-90 mm.

Crop Water Requirement in North Region
Phitsanulok

No	Name	Age of plant (day)	Days of Irrigated (day)	Average Evapo. (mm.)	ET/E (k'p)	ET/day (mm.)	Total Crop Water Requirement	
							mm.	cu.m./rai
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
1	Rice(High Yield Variety)	100	86	4.6	1.30	7.5	643	1029
2	Rice(Khao Dawk Mali 105)	100	86	4.6	1.14	6.7	580	928
3	Rice (Basmati)	100	86	4.6	1.29	7.4	639	1023
4	Wheat	100	86	4.6	0.71	3.3	281	449
5	Maize	100	86	4.6	0.80	3.7	316	506
6	Sweet corn	75	68	4.6	0.79	3.6	247	395
7	Sorghum	110	96	4.6	0.79	3.6	349	558
8	Soybean	100	86	4.6	0.85	3.9	336	538
9	Ground nut	105	91	4.6	0.80	3.7	335	536
10	Mungbean	70	63	4.6	0.67	3.1	194	311
11	Sesame	90	76	4.6	0.76	3.5	266	425
12	Tobacco	90	83	4.6	0.94	4.3	359	574
13	Sunflower	110	96	4.6	0.80	3.7	353	565
14	Watermelon	85	78	4.6	1.05	4.8	377	603
15	Cotton	160	130	4.6	0.71	3.3	425	679
16	Sugarcane	300	270	4.6	0.71	3.3	882	1411
17	Castor bean	230	200	4.6	0.73	3.4	672	1075
18	Taro	170	156	4.6	1.48	6.8	1062	1699
19	Asparagus	365	365	4.6	0.82	3.8	1377	2203
20	Tomato	110	96	4.6	1.01	4.6	446	714
21	Onion	100	86	4.6	0.90	4.1	356	570
22	Shallot	85	71	4.6	0.84	3.9	274	439
23	Garlic	110	96	4.6	0.55	2.5	243	389
24	Potato	95	81	4.6	0.89	4.1	332	531

Crop Water Requirement in North Region(cont.)
Phitsanulok

No	Name	Age of plant (day)	Days of Irrigated (day)	Average Evapo. (mm.)	ET/E (k'p)	ET/day (mm.)	Total Crop Water Requirement	
							mm.	cu.m./rai
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
25	Bird peper	150	120	4.6	0.79	3.6	436	698
26	Bitter gourd	75	68	4.6	0.94	4.3	294	470
27	Cauliflower	45	45	4.6	0.86	4.0	178	285
28	Chinese kale	55	55	4.6	0.59	2.7	149	239
29	Yard long bean	80	73	4.6	0.77	3.5	259	414
30	Sugar pea	85	78	4.6	0.76	3.5	273	436
31	Winged bean	135	105	4.6	0.74	3.4	357	572
32	Chinese white cabbage	45	45	4.6	0.59	2.7	122	195
33	Celery cabbage	60	60	4.6	0.64	2.9	177	283
34	Chinese radish	45	45	4.6	0.81	3.7	168	268
35	Baby corn	65	58	4.6	0.97	4.5	259	414
36	Sweet potato	125	95	4.6	0.96	4.4	420	671

Remarks 1. No 1,2,3,column 7 have added infiltration rate =1.5 mm./day already

2. Depth of water for soaking in paddy field = 200-300 mm.

3. Depth of water for land preparation in field crop = 60-90 mm.

Crop Water Requirement in North Region
Uttaradit

No	Name	Age of plant (day)	Days of Irrigated (day)	Average Evapo. (mm.)	ET/E (k'p)	ET/day (mm.)	Total Crop Water Requirement	
							mm.	cu.m./rai
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
1	Rice(High Yield Variety)	100	86	4.8	1.30	7.7	666	1065
2	Rice(Khao Dawk Mali 105)	100	86	4.8	1.14	7.0	600	959
3	Rice (Basmati)	100	86	4.8	1.29	7.7	662	1058
4	Wheat	100	86	4.8	0.71	3.4	293	469
5	Maize	100	86	4.8	0.80	3.8	330	528
6	Sweet corn	75	68	4.8	0.79	3.8	258	413
7	Sorghum	110	96	4.8	0.79	3.8	364	582
8	Soybean	100	86	4.8	0.85	4.1	351	561
9	Ground nut	105	91	4.8	0.80	3.8	349	559
10	Mungbean	70	63	4.8	0.67	3.2	203	324
11	Sesame	90	76	4.8	0.76	3.6	277	444
12	Tobacco	90	83	4.8	0.94	4.5	374	599
13	Sunflower	110	96	4.8	0.80	3.8	369	590
14	Watermelon	85	78	4.8	1.05	5.0	393	629
15	Cotton	160	130	4.8	0.71	3.4	443	709
16	Sugarcane	300	270	4.8	0.71	3.4	920	1472
17	Castor bean	230	200	4.8	0.73	3.5	701	1121
18	Taro	170	156	4.8	1.48	7.1	1108	1773
19	Asparagus	365	365	4.8	0.82	3.9	1437	2299
20	Tomato	110	96	4.8	1.01	4.8	465	745
21	Onion	100	86	4.8	0.90	4.3	372	594
22	Shallot	85	71	4.8	0.84	4.0	286	458
23	Garlic	110	96	4.8	0.55	2.6	253	406
24	Potato	95	81	4.8	0.89	4.3	346	554

Crop Water Requirement in North Region(cont.)
Uttaradit

No	Name	Age of plant (day)	Days of Irrigated (day)	Average Evapo. (mm.)	ET/E (k'p)	ET/day (mm.)	Total Crop Water Requirement	
							mm.	cu.m./rai
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
25	Bird peper	150	120	4.8	0.79	3.8	455	728
26	Bitter gourd	75	68	4.8	0.94	4.5	307	491
27	Cauliflower	45	45	4.8	0.86	4.1	186	297
28	Chinese kale	55	55	4.8	0.59	2.8	156	249
29	Yard long bean	80	73	4.8	0.77	3.7	270	432
30	Sugar pea	85	78	4.8	0.76	3.6	285	455
31	Winged bean	135	105	4.8	0.74	3.6	373	597
32	Chinese white cabbage	45	45	4.8	0.59	2.8	127	204
33	Celery cabbage	60	60	4.8	0.64	3.1	184	295
34	Chinese radish	45	45	4.8	0.81	3.9	175	280
35	Baby corn	65	58	4.8	0.97	4.7	270	432
36	Sweet potato	125	95	4.8	0.96	4.6	438	700

Remarks 1. No 1,2,3,column 7 have added infiltration rate =1.5 mm./day already

2. Depth of water for soaking in paddy field = 200-300 mm.

3. Depth of water for land preparation in field crop = 60-90 mm.

Crop Water Requirement in North Region
Phetchabun

No	Name	Age of plant (day)	Days of Irrigated (day)	Average Evapo. (mm.)	ET/E (k'p)	ET/day (mm.)	Total Crop Water Requirement	
							mm.	cu.m./rai
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
1	Rice(High Yield Variety)	100	86	5.2	1.30	8.3	710	1137
2	Rice(Khao Dawk Mali 105)	100	86	5.2	1.14	7.4	639	1022
3	Rice (Basmati)	100	86	5.2	1.29	8.2	706	1129
4	Wheat	100	86	5.2	0.71	3.7	318	508
5	Maize	100	86	5.2	0.80	4.2	358	572
6	Sweet corn	75	68	5.2	0.79	4.1	279	447
7	Sorghum	110	96	5.2	0.79	4.1	394	631
8	Soybean	100	86	5.2	0.85	4.4	380	608
9	Ground nut	105	91	5.2	0.80	4.2	379	606
10	Mungbean	70	63	5.2	0.67	3.5	219	351
11	Sesame	90	76	5.2	0.76	4.0	300	481
12	Tobacco	90	83	5.2	0.94	4.9	406	649
13	Sunflower	110	96	5.2	0.80	4.2	399	639
14	Watermelon	85	78	5.2	1.05	5.5	426	681
15	Cotton	160	130	5.2	0.71	3.7	480	768
16	Sugarcane	300	270	5.2	0.71	3.7	997	1595
17	Castor bean	230	200	5.2	0.73	3.8	759	1215
18	Taro	170	156	5.2	1.48	7.7	1201	1921
19	Asparagus	365	365	5.2	0.82	4.3	1556	2490
20	Tomato	110	96	5.2	1.01	5.3	504	807
21	Onion	100	86	5.2	0.90	4.7	402	644
22	Shallot	85	71	5.2	0.84	4.4	310	496
23	Garlic	110	96	5.2	0.55	2.9	275	439
24	Potato	95	81	5.2	0.89	4.6	375	600

Crop Water Requirement in North Region(cont.)
Phetchabun

No	Name	Age of plant (day)	Days of Irrigated (day)	Average Evapo. (mm.)	ET/E (k'p)	ET/day (mm.)	Total Crop Water Requirement	
							mm.	cu.m./rai
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
25	Bird peper	150	120	5.2	0.79	4.1	493	789
26	Bitter gourd	75	68	5.2	0.94	4.9	332	532
27	Cauliflower	45	45	5.2	0.86	4.5	201	322
28	Chinese kale	55	55	5.2	0.59	3.1	169	270
29	Yard long bean	80	73	5.2	0.77	4.0	292	468
30	Sugar pea	85	78	5.2	0.76	4.0	308	493
31	Winged bean	135	105	5.2	0.74	3.8	404	646
32	Chinese white cabbage	45	45	5.2	0.59	3.1	138	221
33	Celery cabbage	60	60	5.2	0.64	3.3	200	319
34	Chinese radish	45	45	5.2	0.81	4.2	190	303
35	Baby corn	65	58	5.2	0.97	5.0	293	468
36	Sweet potato	125	95	5.2	0.96	5.0	474	759

Remarks 1. No 1,2,3,column 7 have added infiltration rate =1.5 mm./day already

2. Depth of water for soaking in paddy field = 200-300 mm.

3. Depth of water for land preparation in field crop = 60-90 mm.

Crop Water Requirement in North-East Region

No	Name	Age of plant (day)	Days of Irrigated (day)	Average Evapo. (mm.)	ET/E (k'p)	ET/day (mm.)	Total Crop Water Requirement	
							mm.	cu.m./rai
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
1	Rice(High Yield Variety)	100	86	5.4	1.30	8.5	733	1172
2	Rice(Khao Dawk Mali 105)	100	86	5.4	1.14	7.7	658	1053
3	Rice (Basmati)	100	86	5.4	1.29	8.5	728	1165
4	Wheat	100	86	5.4	0.71	3.8	330	528
5	Maize	100	86	5.4	0.80	4.3	372	594
6	Sweet corn	75	68	5.4	0.79	4.3	290	464
7	Sorghum	110	96	5.4	0.79	4.3	410	655
8	Soybean	100	86	5.4	0.85	4.6	395	632
9	Ground nut	105	91	5.4	0.80	4.3	393	629
10	Mungbean	70	63	5.4	0.67	3.6	228	365
11	Sesame	90	76	5.4	0.76	4.1	312	499
12	Tobacco	90	83	5.4	0.94	5.1	421	674
13	Sunflower	110	96	5.4	0.80	4.3	415	664
14	Watermelon	85	78	5.4	1.05	5.7	442	708
15	Cotton	160	130	5.4	0.71	3.8	498	797
16	Sugarcane	300	270	5.4	0.71	3.8	1035	1656
17	Castor bean	230	200	5.4	0.73	3.9	788	1261
18	Taro	170	156	5.4	1.48	8.0	1247	1995
19	Asparagus	365	365	5.4	0.82	4.4	1616	2586
20	Tomato	110	96	5.4	1.01	5.5	524	838
21	Onion	100	86	5.4	0.90	4.9	418	669
22	Shallot	85	71	5.4	0.84	4.5	322	515
23	Garlic	110	96	5.4	0.55	3.0	285	456
24	Potato	95	81	5.4	0.89	4.8	389	623

Crop Water Requirement in North-East Region(cont.)

No	Name	Age of plant (day)	Days of Irrigated (day)	Average Evapo. (mm.)	ET/E (k'p)	ET/day (mm.)	Total Crop Water Requirement	
							mm.	cu.m./rai
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
25	Bird peper	150	120	5.4	0.79	4.3	512	819
26	Bitter gourd	75	68	5.4	0.94	5.1	345	552
27	Cauliflower	45	45	5.4	0.86	4.6	209	334
28	Chinese kale	55	55	5.4	0.59	3.2	175	280
29	Yard long bean	80	73	5.4	0.77	4.2	304	486
30	Sugar pea	85	78	5.4	0.76	4.1	320	512
31	Winged bean	135	105	5.4	0.74	4.0	420	671
32	Chinese white cabbage	45	45	5.4	0.59	3.2	143	229
33	Celery cabbage	60	60	5.4	0.64	3.5	207	332
34	Chinese radish	45	45	5.4	0.81	4.4	197	315
35	Baby corn	65	58	5.4	0.97	5.2	304	486
36	Sweet potato	125	95	5.4	0.96	5.2	492	788

Remarks 1. No 1,2,3,column 7 have added infiltration rate =1.5 mm./day already

2. Depth of water for soaking in paddy field = 200-300 mm.

3. Depth of water for land preparation in field crop = 60-90 mm.

Crop Water Requirement in North-East Region

Loei

No	Name	Age of plant (day)	Days of Irrigated (day)	Average Evapo. (mm.)	ET/E (k'p)	ET/day (mm.)	Total Crop Water Requirement	
							mm.	cu.m./rai
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
1	Rice(High Yield Variety)	100	86	4.6	1.30	7.5	643	1029
2	Rice(Khao Dawk Mali 105)	100	86	4.6	1.14	6.7	580	928
3	Rice (Basmati)	100	86	4.6	1.29	7.4	639	1023
4	Wheat	100	86	4.6	0.71	3.3	281	449
5	Maize	100	86	4.6	0.80	3.7	316	506
6	Sweet corn	75	68	4.6	0.79	3.6	247	395
7	Sorghum	110	96	4.6	0.79	3.6	349	558
8	Soybean	100	86	4.6	0.85	3.9	336	538
9	Ground nut	105	91	4.6	0.80	3.7	335	536
10	Mungbean	70	63	4.6	0.67	3.1	194	311
11	Sesame	90	76	4.6	0.76	3.5	266	425
12	Tobacco	90	83	4.6	0.94	4.3	359	574
13	Sunflower	110	96	4.6	0.80	3.7	353	565
14	Watermelon	85	78	4.6	1.05	4.8	377	603
15	Cotton	160	130	4.6	0.71	3.3	425	679
16	Sugarcane	300	270	4.6	0.71	3.3	882	1411
17	Castor bean	230	200	4.6	0.73	3.4	672	1075
18	Taro	170	156	4.6	1.48	6.8	1062	1699
19	Asparagus	365	365	4.6	0.82	3.8	1377	2203
20	Tomato	110	96	4.6	1.01	4.6	446	714
21	Onion	100	86	4.6	0.90	4.1	356	570
22	Shallot	85	71	4.6	0.84	3.9	274	439
23	Garlic	110	96	4.6	0.55	2.5	243	389
24	Potato	95	81	4.6	0.89	4.1	332	531

Crop Water Requirement in North-East Region(cont.)

Loei

No	Name	Age of plant (day)	Days of Irrigated (day)	Average Evapo. (mm.)	ET/E (k'p)	ET/day (mm.)	Total Crop Water Requirement	
							mm.	cu.m./rai
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
25	Bird peper	150	120	4.6	0.79	3.6	436	698
26	Bitter gourd	75	68	4.6	0.94	4.3	294	470
27	Cauliflower	45	45	4.6	0.86	4.0	178	285
28	Chinese kale	55	55	4.6	0.59	2.7	149	239
29	Yard long bean	80	73	4.6	0.77	3.5	259	414
30	Sugar pea	85	78	4.6	0.76	3.5	273	436
31	Winged bean	135	105	4.6	0.74	3.4	357	572
32	Chinese white cabbage	45	45	4.6	0.59	2.7	122	195
33	Celery cabbage	60	60	4.6	0.64	2.9	177	283
34	Chinese radish	45	45	4.6	0.81	3.7	168	268
35	Baby corn	65	58	4.6	0.97	4.5	259	414
36	Sweet potato	125	95	4.6	0.96	4.4	420	671

Remarks 1. No 1,2,3,column 7 have added infiltration rate =1.5 mm./day already

2. Depth of water for soaking in paddy field = 200-300 mm.

3. Depth of water for land preparation in field crop = 60-90 mm.

Crop Water Requirement in North-East Region

Nong Khai

No	Name	Age of plant (day)	Days of Irrigated (day)	Average Evapo. (mm.)	ET/E (k'p)	ET/day (mm.)	Total Crop Water Requirement	
							mm.	cu.m./rai
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
1	Rice(High Yield Variety)	100	86	4.5	1.30	7.4	632	1011
2	Rice(Khao Dawk Mali 105)	100	86	4.5	1.14	6.6	570	912
3	Rice (Basmati)	100	86	4.5	1.29	7.3	628	1005
4	Wheat	100	86	4.5	0.71	3.2	275	440
5	Maize	100	86	4.5	0.80	3.6	310	495
6	Sweet corn	75	68	4.5	0.79	3.6	242	387
7	Sorghum	110	96	4.5	0.79	3.6	341	546
8	Soybean	100	86	4.5	0.85	3.8	329	526
9	Ground nut	105	91	4.5	0.80	3.6	328	524
10	Mungbean	70	63	4.5	0.67	3.0	190	304
11	Sesame	90	76	4.5	0.76	3.4	260	416
12	Tobacco	90	83	4.5	0.94	4.2	351	562
13	Sunflower	110	96	4.5	0.80	3.6	346	553
14	Watermelon	85	78	4.5	1.05	4.7	369	590
15	Cotton	160	130	4.5	0.71	3.2	415	665
16	Sugarcane	300	270	4.5	0.71	3.2	863	1380
17	Castor bean	230	200	4.5	0.73	3.3	657	1051
18	Taro	170	156	4.5	1.48	6.7	1039	1662
19	Asparagus	365	365	4.5	0.82	3.7	1347	2155
20	Tomato	110	96	4.5	1.01	4.5	436	698
21	Onion	100	86	4.5	0.90	4.1	348	557
22	Shallot	85	71	4.5	0.84	3.8	268	429
23	Garlic	110	96	4.5	0.55	2.5	238	380
24	Potato	95	81	4.5	0.89	4.0	324	519

Crop Water Requirement in North-East Region(cont.)

Nong Khai

No	Name	Age of plant (day)	Days of Irrigated (day)	Average Evapo. (mm.)	ET/E (k'p)	ET/day (mm.)	Total Crop Water Requirement	
							mm.	cu.m./rai
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
25	Bird peper	150	120	4.5	0.79	3.6	427	683
26	Bitter gourd	75	68	4.5	0.94	4.2	288	460
27	Cauliflower	45	45	4.5	0.86	3.9	174	279
28	Chinese kale	55	55	4.5	0.59	2.7	146	234
29	Yard long bean	80	73	4.5	0.77	3.5	253	405
30	Sugar pea	85	78	4.5	0.76	3.4	267	427
31	Winged bean	135	105	4.5	0.74	3.3	350	559
32	Chinese white cabbage	45	45	4.5	0.59	2.7	119	191
33	Celery cabbage	60	60	4.5	0.64	2.9	173	276
34	Chinese radish	45	45	4.5	0.81	3.6	164	262
35	Baby corn	65	58	4.5	0.97	4.4	253	405
36	Sweet potato	125	95	4.5	0.96	4.3	410	657

Remarks 1. No 1,2,3,column 7 have added infiltration rate =1.5 mm./day already

2. Depth of water for soaking in paddy field = 200-300 mm.

3. Depth of water for land preparation in field crop = 60-90 mm.

Crop Water Requirement in North-East Region

Udon Thani

No	Name	Age of plant (day)	Days of Irrigated (day)	Average Evapo. (mm.)	ET/E (k'p)	ET/day (mm.)	Total Crop Water Requirement	
							mm.	cu.m./rai
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
1	Rice(High Yield Variety)	100	86	5.3	1.30	8.4	722	1154
2	Rice(Khao Dawk Mali 105)	100	86	5.3	1.14	7.5	649	1038
3	Rice (Basmati)	100	86	5.3	1.29	8.3	717	1147
4	Wheat	100	86	5.3	0.71	3.8	324	518
5	Maize	100	86	5.3	0.80	4.2	365	583
6	Sweet corn	75	68	5.3	0.79	4.2	285	456
7	Sorghum	110	96	5.3	0.79	4.2	402	643
8	Soybean	100	86	5.3	0.85	4.5	387	620
9	Ground nut	105	91	5.3	0.80	4.2	386	617
10	Mungbean	70	63	5.3	0.67	3.6	224	358
11	Sesame	90	76	5.3	0.76	4.0	306	490
12	Tobacco	90	83	5.3	0.94	5.0	414	662
13	Sunflower	110	96	5.3	0.80	4.2	407	651
14	Watermelon	85	78	5.3	1.05	5.6	434	695
15	Cotton	160	130	5.3	0.71	3.8	489	783
16	Sugarcane	300	270	5.3	0.71	3.8	1016	1626
17	Castor bean	230	200	5.3	0.73	3.9	774	1238
18	Taro	170	156	5.3	1.48	7.8	1224	1958
19	Asparagus	365	365	5.3	0.82	4.3	1586	2538
20	Tomato	110	96	5.3	1.01	5.4	514	822
21	Onion	100	86	5.3	0.90	4.8	410	656
22	Shallot	85	71	5.3	0.84	4.5	316	506
23	Garlic	110	96	5.3	0.55	2.9	280	448
24	Potato	95	81	5.3	0.89	4.7	382	611

Crop Water Requirement in North-East Region(cont.)

Udon Thani

No	Name	Age of plant (day)	Days of Irrigated (day)	Average Evapo. (mm.)	ET/E (k'p)	ET/day (mm.)	Total Crop Water Requirement	
							mm.	cu.m./rai
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
25	Bird peper	150	120	5.3	0.79	4.2	502	804
26	Bitter gourd	75	68	5.3	0.94	5.0	339	542
27	Cauliflower	45	45	5.3	0.86	4.6	205	328
28	Chinese kale	55	55	5.3	0.59	3.1	172	275
29	Yard long bean	80	73	5.3	0.77	4.1	298	477
30	Sugar pea	85	78	5.3	0.76	4.0	314	503
31	Winged bean	135	105	5.3	0.74	3.9	412	659
32	Chinese white cabbage	45	45	5.3	0.59	3.1	141	225
33	Celery cabbage	60	60	5.3	0.64	3.4	204	326
34	Chinese radish	45	45	5.3	0.81	4.3	193	309
35	Baby corn	65	58	5.3	0.97	5.1	298	477
36	Sweet potato	125	95	5.3	0.96	5.1	483	773

Remarks 1. No 1,2,3,column 7 have added infiltration rate =1.5 mm./day already

2. Depth of water for soaking in paddy field = 200-300 mm.

3. Depth of water for land preparation in field crop = 60-90 mm.

Crop Water Requirement in North-East Region

Khon Kaen

No	Name	Age of plant (day)	Days of Irrigated (day)	Average Evapo. (mm.)	ET/E (k'p)	ET/day (mm.)	Total Crop Water Requirement	
							mm.	cu.m./rai
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
1	Rice(High Yield Variety)	100	86	5.9	1.30	9.2	789	1262
2	Rice(Khao Dawk Mali 105)	100	86	5.9	1.14	8.2	707	1132
3	Rice (Basmati)	100	86	5.9	1.29	9.1	784	1254
4	Wheat	100	86	5.9	0.71	4.2	360	576
5	Maize	100	86	5.9	0.80	4.7	406	649
6	Sweet corn	75	68	5.9	0.79	4.7	317	507
7	Sorghum	110	96	5.9	0.79	4.7	447	716
8	Soybean	100	86	5.9	0.85	5.0	431	690
9	Ground nut	105	91	5.9	0.80	4.7	430	687
10	Mungbean	70	63	5.9	0.67	4.0	249	398
11	Sesame	90	76	5.9	0.76	4.5	341	545
12	Tobacco	90	83	5.9	0.94	5.5	460	737
13	Sunflower	110	96	5.9	0.80	4.7	453	725
14	Watermelon	85	78	5.9	1.05	6.2	483	773
15	Cotton	160	130	5.9	0.71	4.2	545	871
16	Sugarcane	300	270	5.9	0.71	4.2	1131	1810
17	Castor bean	230	200	5.9	0.73	4.3	861	1378
18	Taro	170	156	5.9	1.48	8.7	1362	2180
19	Asparagus	365	365	5.9	0.82	4.8	1766	2825
20	Tomato	110	96	5.9	1.01	6.0	572	915
21	Onion	100	86	5.9	0.90	5.3	457	731
22	Shallot	85	71	5.9	0.84	5.0	352	563
23	Garlic	110	96	5.9	0.55	3.2	312	498
24	Potato	95	81	5.9	0.89	5.3	425	681

Crop Water Requirement in North-East Region(cont.)

Khon Kaen

No	Name	Age of plant (day)	Days of Irrigated (day)	Average Evapo. (mm.)	ET/E (k'p)	ET/day (mm.)	Total Crop Water Requirement	
							mm.	cu.m./rai
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
25	Bird peper	150	120	5.9	0.79	4.7	559	895
26	Bitter gourd	75	68	5.9	0.94	5.5	377	603
27	Cauliflower	45	45	5.9	0.86	5.1	228	365
28	Chinese kale	55	55	5.9	0.59	3.5	191	306
29	Yard long bean	80	73	5.9	0.77	4.5	332	531
30	Sugar pea	85	78	5.9	0.76	4.5	350	560
31	Winged bean	135	105	5.9	0.74	4.4	458	733
32	Chinese white cabbage	45	45	5.9	0.59	3.5	157	251
33	Celery cabbage	60	60	5.9	0.64	3.8	227	362
34	Chinese radish	45	45	5.9	0.81	4.8	215	344
35	Baby corn	65	58	5.9	0.97	5.7	332	531
36	Sweet potato	125	95	5.9	0.96	5.7	538	861

Remarks 1. No 1,2,3,column 7 have added infiltration rate =1.5 mm./day already

2. Depth of water for soaking in paddy field = 200-300 mm.

3. Depth of water for land preparation in field crop = 60-90 mm.

Crop Water Requirement in North-East Region

Maha Sarakham

No	Name	Age of plant (day)	Days of Irrigated (day)	Average Evapo. (mm.)	ET/E (k'p)	ET/day (mm.)	Total Crop Water Requirement	
							mm.	cu.m./rai
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
1	Rice(High Yield Variety)	100	86	5.6	1.30	8.8	755	1208
2	Rice(Khao Dawk Mali 105)	100	86	5.6	1.14	7.9	678	1085
3	Rice (Basmati)	100	86	5.6	1.29	8.7	750	1200
4	Wheat	100	86	5.6	0.71	4.0	342	547
5	Maize	100	86	5.6	0.80	4.5	385	616
6	Sweet corn	75	68	5.6	0.79	4.4	301	481
7	Sorghum	110	96	5.6	0.79	4.4	425	680
8	Soybean	100	86	5.6	0.85	4.8	409	655
9	Ground nut	105	91	5.6	0.80	4.5	408	652
10	Mungbean	70	63	5.6	0.67	3.8	236	378
11	Sesame	90	76	5.6	0.76	4.3	323	518
12	Tobacco	90	83	5.6	0.94	5.3	437	699
13	Sunflower	110	96	5.6	0.80	4.5	430	688
14	Watermelon	85	78	5.6	1.05	5.9	459	734
15	Cotton	160	130	5.6	0.71	4.0	517	827
16	Sugarcane	300	270	5.6	0.71	4.0	1074	1718
17	Castor bean	230	200	5.6	0.73	4.1	818	1308
18	Taro	170	156	5.6	1.48	8.3	1293	2069
19	Asparagus	365	365	5.6	0.82	4.6	1676	2682
20	Tomato	110	96	5.6	1.01	5.7	543	869
21	Onion	100	86	5.6	0.90	5.0	433	694
22	Shallot	85	71	5.6	0.84	4.7	334	534
23	Garlic	110	96	5.6	0.55	3.1	296	473
24	Potato	95	81	5.6	0.89	5.0	404	646

Crop Water Requirement in North-East Region(cont.)

Maha Sarakham

No	Name	Age of plant (day)	Days of Irrigated (day)	Average Evapo. (mm.)	ET/E (k'p)	ET/day (mm.)	Total Crop Water Requirement	
							mm.	cu.m./rai
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
25	Bird peper	150	120	5.6	0.79	4.4	531	849
26	Bitter gourd	75	68	5.6	0.94	5.3	358	573
27	Cauliflower	45	45	5.6	0.86	4.8	217	347
28	Chinese kale	55	55	5.6	0.59	3.3	182	291
29	Yard long bean	80	73	5.6	0.77	4.3	315	504
30	Sugar pea	85	78	5.6	0.76	4.3	332	531
31	Winged bean	135	105	5.6	0.74	4.1	435	696
32	Chinese white cabbage	45	45	5.6	0.59	3.3	149	238
33	Celery cabbage	60	60	5.6	0.64	3.6	215	344
34	Chinese radish	45	45	5.6	0.81	4.5	204	327
35	Baby corn	65	58	5.6	0.97	5.4	315	504
36	Sweet potato	125	95	5.6	0.96	5.4	511	817

Remarks 1. No 1,2,3,column 7 have added infiltration rate =1.5 mm./day already

2. Depth of water for soaking in paddy field = 200-300 mm.

3. Depth of water for land preparation in field crop = 60-90 mm.

Crop Water Requirement in North-East Region

Sakon Nakhon

No	Name	Age of plant (day)	Days of Irrigated (day)	Average Evapo. (mm.)	ET/E (k'p)	ET/day (mm.)	Total Crop Water Requirement	
							mm.	cu.m./rai
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
1	Rice(High Yield Variety)	100	86	6.1	1.30	9.4	811	1298
2	Rice(Khao Dawk Mali 105)	100	86	6.1	1.14	8.5	727	1163
3	Rice (Basmati)	100	86	6.1	1.29	9.4	806	1289
4	Wheat	100	86	6.1	0.71	4.3	372	596
5	Maize	100	86	6.1	0.80	4.9	420	671
6	Sweet corn	75	68	6.1	0.79	4.8	328	524
7	Sorghum	110	96	6.1	0.79	4.8	463	740
8	Soybean	100	86	6.1	0.85	5.2	446	713
9	Ground nut	105	91	6.1	0.80	4.9	444	711
10	Mungbean	70	63	6.1	0.67	4.1	257	412
11	Sesame	90	76	6.1	0.76	4.6	352	564
12	Tobacco	90	83	6.1	0.94	5.7	476	761
13	Sunflower	110	96	6.1	0.80	4.9	468	750
14	Watermelon	85	78	6.1	1.05	6.4	500	799
15	Cotton	160	130	6.1	0.71	4.3	563	901
16	Sugarcane	300	270	6.1	0.71	4.3	1169	1871
17	Castor bean	230	200	6.1	0.73	4.5	891	1425
18	Taro	170	156	6.1	1.48	9.0	1408	2253
19	Asparagus	365	365	6.1	0.82	5.0	1826	2921
20	Tomato	110	96	6.1	1.01	6.2	591	946
21	Onion	100	86	6.1	0.90	5.5	472	755
22	Shallot	85	71	6.1	0.84	5.1	364	582
23	Garlic	110	96	6.1	0.55	3.4	322	515
24	Potato	95	81	6.1	0.89	5.4	440	704

Crop Water Requirement in North-East Region(cont.)

Sakon Nakhon

No	Name	Age of plant (day)	Days of Irrigated (day)	Average Evapo. (mm.)	ET/E (k'p)	ET/day (mm.)	Total Crop Water Requirement	
							mm.	cu.m./rai
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
25	Bird peper	150	120	6.1	0.79	4.8	578	925
26	Bitter gourd	75	68	6.1	0.94	5.7	390	624
27	Cauliflower	45	45	6.1	0.86	5.2	236	378
28	Chinese kale	55	55	6.1	0.59	3.6	198	317
29	Yard long bean	80	73	6.1	0.77	4.7	343	549
30	Sugar pea	85	78	6.1	0.76	4.6	362	579
31	Winged bean	135	105	6.1	0.74	4.5	474	758
32	Chinese white cabbage	45	45	6.1	0.59	3.6	162	259
33	Celery cabbage	60	60	6.1	0.64	3.9	234	375
34	Chinese radish	45	45	6.1	0.81	4.9	222	356
35	Baby corn	65	58	6.1	0.97	5.9	343	549
36	Sweet potato	125	95	6.1	0.96	5.9	556	890

Remarks 1. No 1,2,3,column 7 have added infiltration rate =1.5 mm./day already

2. Depth of water for soaking in paddy field = 200-300 mm.

3. Depth of water for land preparation in field crop = 60-90 mm.

Crop Water Requirement in North-East Region

Nakhon Phanom

No	Name	Age of plant (day)	Days of Irrigated (day)	Average Evapo. (mm.)	ET/E (k'p)	ET/day (mm.)	Total Crop Water Requirement	
							mm.	cu.m./rai
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
1	Rice(High Yield Variety)	100	86	4.4	1.30	7.2	621	993
2	Rice(Khao Dawk Mali 105)	100	86	4.4	1.14	6.5	560	897
3	Rice (Basmati)	100	86	4.4	1.29	7.2	617	987
4	Wheat	100	86	4.4	0.71	3.1	269	430
5	Maize	100	86	4.4	0.80	3.5	303	484
6	Sweet corn	75	68	4.4	0.79	3.5	236	378
7	Sorghum	110	96	4.4	0.79	3.5	334	534
8	Soybean	100	86	4.4	0.85	3.7	322	515
9	Ground nut	105	91	4.4	0.80	3.5	320	513
10	Mungbean	70	63	4.4	0.67	2.9	186	297
11	Sesame	90	76	4.4	0.76	3.3	254	407
12	Tobacco	90	83	4.4	0.94	4.1	343	549
13	Sunflower	110	96	4.4	0.80	3.5	338	541
14	Watermelon	85	78	4.4	1.05	4.6	360	577
15	Cotton	160	130	4.4	0.71	3.1	406	650
16	Sugarcane	300	270	4.4	0.71	3.1	843	1350
17	Castor bean	230	200	4.4	0.73	3.2	642	1028
18	Taro	170	156	4.4	1.48	6.5	1016	1625
19	Asparagus	365	365	4.4	0.82	3.6	1317	2107
20	Tomato	110	96	4.4	1.01	4.4	427	683
21	Onion	100	86	4.4	0.90	4.0	341	545
22	Shallot	85	71	4.4	0.84	3.7	262	420
23	Garlic	110	96	4.4	0.55	2.4	232	372
24	Potato	95	81	4.4	0.89	3.9	317	508

Crop Water Requirement in North-East Region(cont.)

Nakhon Phanom

No	Name	Age of plant (day)	Days of Irrigated (day)	Average Evapo. (mm.)	ET/E (k'p)	ET/day (mm.)	Total Crop Water Requirement	
							mm.	cu.m./rai
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
25	Bird peper	150	120	4.4	0.79	3.5	417	667
26	Bitter gourd	75	68	4.4	0.94	4.1	281	450
27	Cauliflower	45	45	4.4	0.86	3.8	170	272
28	Chinese kale	55	55	4.4	0.59	2.6	143	228
29	Yard long bean	80	73	4.4	0.77	3.4	247	396
30	Sugar pea	85	78	4.4	0.76	3.3	261	417
31	Winged bean	135	105	4.4	0.74	3.3	342	547
32	Chinese white cabbage	45	45	4.4	0.59	2.6	117	187
33	Celery cabbage	60	60	4.4	0.64	2.8	169	270
34	Chinese radish	45	45	4.4	0.81	3.6	160	257
35	Baby corn	65	58	4.4	0.97	4.3	248	396
36	Sweet potato	125	95	4.4	0.96	4.2	401	642

Remarks 1. No 1,2,3,column 7 have added infiltration rate =1.5 mm./day already

2. Depth of water for soaking in paddy field = 200-300 mm.

3. Depth of water for land preparation in field crop = 60-90 mm.

Crop Water Requirement in North-East Region

Mukdahan

No	Name	Age of plant (day)	Days of Irrigated (day)	Average Evapo. (mm.)	ET/E (k'p)	ET/day (mm.)	Total Crop Water Requirement	
							mm.	cu.m./rai
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
1	Rice(High Yield Variety)	100	86	4.9	1.30	7.9	677	1083
2	Rice(Khao Dawk Mali 105)	100	86	4.9	1.14	7.1	609	975
3	Rice (Basmati)	100	86	4.9	1.29	7.8	673	1076
4	Wheat	100	86	4.9	0.71	3.5	299	479
5	Maize	100	86	4.9	0.80	3.9	337	539
6	Sweet corn	75	68	4.9	0.79	3.9	263	421
7	Sorghum	110	96	4.9	0.79	3.9	372	595
8	Soybean	100	86	4.9	0.85	4.2	358	573
9	Ground nut	105	91	4.9	0.80	3.9	357	571
10	Mungbean	70	63	4.9	0.67	3.3	207	331
11	Sesame	90	76	4.9	0.76	3.7	283	453
12	Tobacco	90	83	4.9	0.94	4.6	382	612
13	Sunflower	110	96	4.9	0.80	3.9	376	602
14	Watermelon	85	78	4.9	1.05	5.1	401	642
15	Cotton	160	130	4.9	0.71	3.5	452	724
16	Sugarcane	300	270	4.9	0.71	3.5	939	1503
17	Castor bean	230	200	4.9	0.73	3.6	715	1145
18	Taro	170	156	4.9	1.48	7.3	1131	1810
19	Asparagus	365	365	4.9	0.82	4.0	1467	2347
20	Tomato	110	96	4.9	1.01	4.9	475	760
21	Onion	100	86	4.9	0.90	4.4	379	607
22	Shallot	85	71	4.9	0.84	4.1	292	468
23	Garlic	110	96	4.9	0.55	2.7	259	414
24	Potato	95	81	4.9	0.89	4.4	353	565

Crop Water Requirement in North-East Region(cont.)

Mukdahan

No	Name	Age of plant (day)	Days of Irrigated (day)	Average Evapo. (mm.)	ET/E (k'p)	ET/day (mm.)	Total Crop Water Requirement	
							mm.	cu.m./rai
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
25	Bird peper	150	120	4.9	0.79	3.9	465	743
26	Bitter gourd	75	68	4.9	0.94	4.6	313	501
27	Cauliflower	45	45	4.9	0.86	4.2	190	303
28	Chinese kale	55	55	4.9	0.59	2.9	159	254
29	Yard long bean	80	73	4.9	0.77	3.8	275	441
30	Sugar pea	85	78	4.9	0.76	3.7	290	465
31	Winged bean	135	105	4.9	0.74	3.6	381	609
32	Chinese white cabbage	45	45	4.9	0.59	2.9	130	208
33	Celery cabbage	60	60	4.9	0.64	3.1	188	301
34	Chinese radish	45	45	4.9	0.81	4.0	179	286
35	Baby corn	65	58	4.9	0.97	4.8	276	441
36	Sweet potato	125	95	4.9	0.96	4.7	447	715

Remarks 1. No 1,2,3,column 7 have added infiltration rate =1.5 mm./day already

2. Depth of water for soaking in paddy field = 200-300 mm.

3. Depth of water for land preparation in field crop = 60-90 mm.

Crop Water Requirement in North-East Region

Ubon Ratchathani

No	Name	Age of plant (day)	Days of Irrigated (day)	Average Evapo. (mm.)	ET/E (k'p)	ET/day (mm.)	Total Crop Water Requirement	
							mm.	cu.m./rai
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
1	Rice(High Yield Variety)	100	86	6.2	1.30	9.6	822	1315
2	Rice(Khao Dawk Mali 105)	100	86	6.2	1.14	8.6	737	1179
3	Rice (Basmati)	100	86	6.2	1.29	9.5	817	1307
4	Wheat	100	86	6.2	0.71	4.4	379	606
5	Maize	100	86	6.2	0.80	5.0	427	682
6	Sweet corn	75	68	6.2	0.79	4.9	333	533
7	Sorghum	110	96	6.2	0.79	4.9	470	752
8	Soybean	100	86	6.2	0.85	5.3	453	725
9	Ground nut	105	91	6.2	0.80	5.0	451	722
10	Mungbean	70	63	6.2	0.67	4.2	262	419
11	Sesame	90	76	6.2	0.76	4.7	358	573
12	Tobacco	90	83	6.2	0.94	5.8	484	774
13	Sunflower	110	96	6.2	0.80	5.0	476	762
14	Watermelon	85	78	6.2	1.05	6.5	508	812
15	Cotton	160	130	6.2	0.71	4.4	572	916
16	Sugarcane	300	270	6.2	0.71	4.4	1189	1902
17	Castor bean	230	200	6.2	0.73	4.5	905	1448
18	Taro	170	156	6.2	1.48	9.2	1431	2290
19	Asparagus	365	365	6.2	0.82	5.1	1856	2969
20	Tomato	110	96	6.2	1.01	6.3	601	962
21	Onion	100	86	6.2	0.90	5.6	480	768
22	Shallot	85	71	6.2	0.84	5.2	370	592
23	Garlic	110	96	6.2	0.55	3.4	327	524
24	Potato	95	81	6.2	0.89	5.5	447	715

Crop Water Requirement in North-East Region(cont.)

Ubon Ratchathani

No	Name	Age of plant (day)	Days of Irrigated (day)	Average Evapo. (mm.)	ET/E (k'p)	ET/day (mm.)	Total Crop Water Requirement	
							mm.	cu.m./rai
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
25	Bird peper	150	120	6.2	0.79	4.9	588	940
26	Bitter gourd	75	68	6.2	0.94	5.8	396	634
27	Cauliflower	45	45	6.2	0.86	5.3	240	384
28	Chinese kale	55	55	6.2	0.59	3.7	201	322
29	Yard long bean	80	73	6.2	0.77	4.8	349	558
30	Sugar pea	85	78	6.2	0.76	4.7	368	588
31	Winged bean	135	105	6.2	0.74	4.6	482	771
32	Chinese white cabbage	45	45	6.2	0.59	3.7	165	263
33	Celery cabbage	60	60	6.2	0.64	4.0	238	381
34	Chinese radish	45	45	6.2	0.81	5.0	226	362
35	Baby corn	65	58	6.2	0.97	6.0	349	558
36	Sweet potato	125	95	6.2	0.96	6.0	565	905

Remarks 1. No 1,2,3,column 7 have added infiltration rate =1.5 mm./day already

2. Depth of water for soaking in paddy field = 200-300 mm.

3. Depth of water for land preparation in field crop = 60-90 mm.

Crop Water Requirement in North-East Region

Roi Et

No	Name	Age of plant (day)	Days of Irrigated (day)	Average Evapo. (mm.)	ET/E (k'p)	ET/day (mm.)	Total Crop Water Requirement	
							mm.	cu.m./rai
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
1	Rice(High Yield Variety)	100	86	5.5	1.30	8.7	744	1190
2	Rice(Khao Dawk Mali 105)	100	86	5.5	1.14	7.8	668	1069
3	Rice (Basmati)	100	86	5.5	1.29	8.6	739	1183
4	Wheat	100	86	5.5	0.71	3.9	336	537
5	Maize	100	86	5.5	0.80	4.4	378	605
6	Sweet corn	75	68	5.5	0.79	4.3	295	473
7	Sorghum	110	96	5.5	0.79	4.3	417	667
8	Soybean	100	86	5.5	0.85	4.7	402	643
9	Ground nut	105	91	5.5	0.80	4.4	400	641
10	Mungbean	70	63	5.5	0.67	3.7	232	371
11	Sesame	90	76	5.5	0.76	4.2	318	508
12	Tobacco	90	83	5.5	0.94	5.2	429	687
13	Sunflower	110	96	5.5	0.80	4.4	422	676
14	Watermelon	85	78	5.5	1.05	5.8	450	721
15	Cotton	160	130	5.5	0.71	3.9	508	812
16	Sugarcane	300	270	5.5	0.71	3.9	1054	1687
17	Castor bean	230	200	5.5	0.73	4.0	803	1285
18	Taro	170	156	5.5	1.48	8.1	1270	2032
19	Asparagus	365	365	5.5	0.82	4.5	1646	2634
20	Tomato	110	96	5.5	1.01	5.6	533	853
21	Onion	100	86	5.5	0.90	5.0	426	681
22	Shallot	85	71	5.5	0.84	4.6	328	525
23	Garlic	110	96	5.5	0.55	3.0	290	465
24	Potato	95	81	5.5	0.89	4.9	396	634

Crop Water Requirement in North-East Region(cont.)

Roi Et

No	Name	Age of plant (day)	Days of Irrigated (day)	Average Evapo. (mm.)	ET/E (k'p)	ET/day (mm.)	Total Crop Water Requirement	
							mm.	cu.m./rai
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
25	Bird peper	150	120	5.5	0.79	4.3	521	834
26	Bitter gourd	75	68	5.5	0.94	5.2	352	562
27	Cauliflower	45	45	5.5	0.86	4.7	213	341
28	Chinese kale	55	55	5.5	0.59	3.2	178	286
29	Yard long bean	80	73	5.5	0.77	4.2	309	495
30	Sugar pea	85	78	5.5	0.76	4.2	326	522
31	Winged bean	135	105	5.5	0.74	4.1	427	684
32	Chinese white cabbage	45	45	5.5	0.59	3.2	146	234
33	Celery cabbage	60	60	5.5	0.64	3.5	211	338
34	Chinese radish	45	45	5.5	0.81	4.5	200	321
35	Baby corn	65	58	5.5	0.97	5.3	309	495
36	Sweet potato	125	95	5.5	0.96	5.3	502	803

Remarks 1. No 1,2,3,column 7 have added infiltration rate =1.5 mm./day already

2. Depth of water for soaking in paddy field = 200-300 mm.

3. Depth of water for land preparation in field crop = 60-90 mm.

Crop Water Requirement in North-East Region

Yasothon

No	Name	Age of plant (day)	Days of Irrigated (day)	Average Evapo. (mm.)	ET/E (k'p)	ET/day (mm.)	Total Crop Water Requirement	
							mm.	cu.m./rai
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
1	Rice(High Yield Variety)	100	86	4.7	1.30	7.6	654	1047
2	Rice(Khao Dawk Mali 105)	100	86	4.7	1.14	6.9	590	944
3	Rice (Basmati)	100	86	4.7	1.29	7.6	650	1041
4	Wheat	100	86	4.7	0.71	3.3	287	459
5	Maize	100	86	4.7	0.80	3.8	323	517
6	Sweet corn	75	68	4.7	0.79	3.7	252	404
7	Sorghum	110	96	4.7	0.79	3.7	356	570
8	Soybean	100	86	4.7	0.85	4.0	344	550
9	Ground nut	105	91	4.7	0.80	3.8	342	547
10	Mungbean	70	63	4.7	0.67	3.1	198	317
11	Sesame	90	76	4.7	0.76	3.6	271	434
12	Tobacco	90	83	4.7	0.94	4.4	367	587
13	Sunflower	110	96	4.7	0.80	3.8	361	578
14	Watermelon	85	78	4.7	1.05	4.9	385	616
15	Cotton	160	130	4.7	0.71	3.3	434	694
16	Sugarcane	300	270	4.7	0.71	3.3	901	1442
17	Castor bean	230	200	4.7	0.73	3.4	686	1098
18	Taro	170	156	4.7	1.48	7.0	1085	1736
19	Asparagus	365	365	4.7	0.82	3.9	1407	2251
20	Tomato	110	96	4.7	1.01	4.7	456	729
21	Onion	100	86	4.7	0.90	4.2	364	582
22	Shallot	85	71	4.7	0.84	3.9	280	448
23	Garlic	110	96	4.7	0.55	2.6	248	397
24	Potato	95	81	4.7	0.89	4.2	339	542

Crop Water Requirement in North-East Region(cont.)

Yasothon

No	Name	Age of plant (day)	Days of Irrigated (day)	Average Evapo. (mm.)	ET/E (k'p)	ET/day (mm.)	Total Crop Water Requirement	
							mm.	cu.m./rai
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
25	Bird peper	150	120	4.7	0.79	3.7	446	713
26	Bitter gourd	75	68	4.7	0.94	4.4	300	481
27	Cauliflower	45	45	4.7	0.86	4.0	182	291
28	Chinese kale	55	55	4.7	0.59	2.8	153	244
29	Yard long bean	80	73	4.7	0.77	3.6	264	423
30	Sugar pea	85	78	4.7	0.76	3.6	279	446
31	Winged bean	135	105	4.7	0.74	3.5	365	584
32	Chinese white cabbage	45	45	4.7	0.59	2.8	125	200
33	Celery cabbage	60	60	4.7	0.64	3.0	180	289
34	Chinese radish	45	45	4.7	0.81	3.8	171	274
35	Baby corn	65	58	4.7	0.97	4.6	264	423
36	Sweet potato	125	95	4.7	0.96	4.5	429	686

Remarks 1. No 1,2,3,column 7 have added infiltration rate =1.5 mm./day already

2. Depth of water for soaking in paddy field = 200-300 mm.

3. Depth of water for land preparation in field crop = 60-90 mm.

Crop Water Requirement in North-East Region

Kalasin

No	Name	Age of plant (day)	Days of Irrigated (day)	Average Evapo. (mm.)	ET/E (k'p)	ET/day (mm.)	Total Crop Water Requirement	
							mm.	cu.m./rai
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
1	Rice(High Yield Variety)	100	86	5.3	1.30	8.4	722	1154
2	Rice(Khao Dawk Mali 105)	100	86	5.3	1.14	7.5	649	1038
3	Rice (Basmati)	100	86	5.3	1.29	8.3	717	1147
4	Wheat	100	86	5.3	0.71	3.8	324	518
5	Maize	100	86	5.3	0.80	4.2	365	583
6	Sweet corn	75	68	5.3	0.79	4.2	285	456
7	Sorghum	110	96	5.3	0.79	4.2	402	643
8	Soybean	100	86	5.3	0.85	4.5	387	620
9	Ground nut	105	91	5.3	0.80	4.2	386	617
10	Mungbean	70	63	5.3	0.67	3.6	224	358
11	Sesame	90	76	5.3	0.76	4.0	306	490
12	Tobacco	90	83	5.3	0.94	5.0	414	662
13	Sunflower	110	96	5.3	0.80	4.2	407	651
14	Watermelon	85	78	5.3	1.05	5.6	434	695
15	Cotton	160	130	5.3	0.71	3.8	489	783
16	Sugarcane	300	270	5.3	0.71	3.8	1016	1626
17	Castor bean	230	200	5.3	0.73	3.9	774	1238
18	Taro	170	156	5.3	1.48	7.8	1224	1958
19	Asparagus	365	365	5.3	0.82	4.3	1586	2538
20	Tomato	110	96	5.3	1.01	5.4	514	822
21	Onion	100	86	5.3	0.90	4.8	410	656
22	Shallot	85	71	5.3	0.84	4.5	316	506
23	Garlic	110	96	5.3	0.55	2.9	280	448
24	Potato	95	81	5.3	0.89	4.7	382	611

Crop Water Requirement in North-East Region(cont.)

Kalasin

No	Name	Age of plant (day)	Days of Irrigated (day)	Average Evapo. (mm.)	ET/E (k'p)	ET/day (mm.)	Total Crop Water Requirement	
							mm.	cu.m./rai
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
25	Bird peper	150	120	5.3	0.79	4.2	502	804
26	Bitter gourd	75	68	5.3	0.94	5.0	339	542
27	Cauliflower	45	45	5.3	0.86	4.6	205	328
28	Chinese kale	55	55	5.3	0.59	3.1	172	275
29	Yard long bean	80	73	5.3	0.77	4.1	298	477
30	Sugar pea	85	78	5.3	0.76	4.0	314	503
31	Winged bean	135	105	5.3	0.74	3.9	412	659
32	Chinese white cabbage	45	45	5.3	0.59	3.1	141	225
33	Celery cabbage	60	60	5.3	0.64	3.4	204	326
34	Chinese radish	45	45	5.3	0.81	4.3	193	309
35	Baby corn	65	58	5.3	0.97	5.1	298	477
36	Sweet potato	125	95	5.3	0.96	5.1	483	773

Remarks 1. No 1,2,3,column 7 have added infiltration rate =1.5 mm./day already

2. Depth of water for soaking in paddy field = 200-300 mm.

3. Depth of water for land preparation in field crop = 60-90 mm.

Crop Water Requirement in North-East Region

Chaiyaphum

No	Name	Age of plant (day)	Days of Irrigated (day)	Average Evapo. (mm.)	ET/E (k'p)	ET/day (mm.)	Total Crop Water Requirement	
							mm.	cu.m./rai
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
1	Rice(High Yield Variety)	100	86	6.0	1.30	9.3	800	1280
2	Rice(Khao Dawk Mali 105)	100	86	6.0	1.14	8.3	717	1148
3	Rice (Basmati)	100	86	6.0	1.29	9.2	795	1271
4	Wheat	100	86	6.0	0.71	4.3	366	586
5	Maize	100	86	6.0	0.80	4.8	413	660
6	Sweet corn	75	68	6.0	0.79	4.7	322	516
7	Sorghum	110	96	6.0	0.79	4.7	455	728
8	Soybean	100	86	6.0	0.85	5.1	439	702
9	Ground nut	105	91	6.0	0.80	4.8	437	699
10	Mungbean	70	63	6.0	0.67	4.0	253	405
11	Sesame	90	76	6.0	0.76	4.6	347	554
12	Tobacco	90	83	6.0	0.94	5.6	468	749
13	Sunflower	110	96	6.0	0.80	4.8	461	737
14	Watermelon	85	78	6.0	1.05	6.3	491	786
15	Cotton	160	130	6.0	0.71	4.3	554	886
16	Sugarcane	300	270	6.0	0.71	4.3	1150	1840
17	Castor bean	230	200	6.0	0.73	4.4	876	1402
18	Taro	170	156	6.0	1.48	8.9	1385	2216
19	Asparagus	365	365	6.0	0.82	4.9	1796	2873
20	Tomato	110	96	6.0	1.01	6.1	582	931
21	Onion	100	86	6.0	0.90	5.4	464	743
22	Shallot	85	71	6.0	0.84	5.0	358	573
23	Garlic	110	96	6.0	0.55	3.3	317	507
24	Potato	95	81	6.0	0.89	5.3	433	692

Crop Water Requirement in North-East Region(cont.)

Chaiyaphum

No	Name	Age of plant (day)	Days of Irrigated (day)	Average Evapo. (mm.)	ET/E (k'p)	ET/day (mm.)	Total Crop Water Requirement	
							mm.	cu.m./rai
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
25	Bird peper	150	120	6.0	0.79	4.7	569	910
26	Bitter gourd	75	68	6.0	0.94	5.6	384	614
27	Cauliflower	45	45	6.0	0.86	5.2	232	372
28	Chinese kale	55	55	6.0	0.59	3.5	195	312
29	Yard long bean	80	73	6.0	0.77	4.6	337	540
30	Sugar pea	85	78	6.0	0.76	4.6	356	569
31	Winged bean	135	105	6.0	0.74	4.4	466	746
32	Chinese white cabbage	45	45	6.0	0.59	3.5	159	255
33	Celery cabbage	60	60	6.0	0.64	3.8	230	369
34	Chinese radish	45	45	6.0	0.81	4.9	219	350
35	Baby corn	65	58	6.0	0.97	5.8	338	540
36	Sweet potato	125	95	6.0	0.96	5.8	547	876

Remarks 1. No 1,2,3,column 7 have added infiltration rate =1.5 mm./day already

2. Depth of water for soaking in paddy field = 200-300 mm.

3. Depth of water for land preparation in field crop = 60-90 mm.

Crop Water Requirement in North-East Region

Nakhon Ratchasima

No	Name	Age of plant (day)	Days of Irrigated (day)	Average Evapo. (mm.)	ET/E (k'p)	ET/day (mm.)	Total Crop Water Requirement	
							mm.	cu.m./rai
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
1	Rice(High Yield Variety)	100	86	5.4	1.30	8.5	733	1172
2	Rice(Khao Dawk Mali 105)	100	86	5.4	1.14	7.7	658	1053
3	Rice (Basmati)	100	86	5.4	1.29	8.5	728	1165
4	Wheat	100	86	5.4	0.71	3.8	330	528
5	Maize	100	86	5.4	0.80	4.3	372	594
6	Sweet corn	75	68	5.4	0.79	4.3	290	464
7	Sorghum	110	96	5.4	0.79	4.3	410	655
8	Soybean	100	86	5.4	0.85	4.6	395	632
9	Ground nut	105	91	5.4	0.80	4.3	393	629
10	Mungbean	70	63	5.4	0.67	3.6	228	365
11	Sesame	90	76	5.4	0.76	4.1	312	499
12	Tobacco	90	83	5.4	0.94	5.1	421	674
13	Sunflower	110	96	5.4	0.80	4.3	415	664
14	Watermelon	85	78	5.4	1.05	5.7	442	708
15	Cotton	160	130	5.4	0.71	3.8	498	797
16	Sugarcane	300	270	5.4	0.71	3.8	1035	1656
17	Castor bean	230	200	5.4	0.73	3.9	788	1261
18	Taro	170	156	5.4	1.48	8.0	1247	1995
19	Asparagus	365	365	5.4	0.82	4.4	1616	2586
20	Tomato	110	96	5.4	1.01	5.5	524	838
21	Onion	100	86	5.4	0.90	4.9	418	669
22	Shallot	85	71	5.4	0.84	4.5	322	515
23	Garlic	110	96	5.4	0.55	3.0	285	456
24	Potato	95	81	5.4	0.89	4.8	389	623

Crop Water Requirement in North-East Region(cont.)

Nakhon Ratchasima

No	Name	Age of plant (day)	Days of Irrigated (day)	Average Evapo. (mm.)	ET/E (k'p)	ET/day (mm.)	Total Crop Water Requirement	
							mm.	cu.m./rai
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
25	Bird peper	150	120	5.4	0.79	4.3	512	819
26	Bitter gourd	75	68	5.4	0.94	5.1	345	552
27	Cauliflower	45	45	5.4	0.86	4.6	209	334
28	Chinese kale	55	55	5.4	0.59	3.2	175	280
29	Yard long bean	80	73	5.4	0.77	4.2	304	486
30	Sugar pea	85	78	5.4	0.76	4.1	320	512
31	Winged bean	135	105	5.4	0.74	4.0	420	671
32	Chinese white cabbage	45	45	5.4	0.59	3.2	143	229
33	Celery cabbage	60	60	5.4	0.64	3.5	207	332
34	Chinese radish	45	45	5.4	0.81	4.4	197	315
35	Baby corn	65	58	5.4	0.97	5.2	304	486
36	Sweet potato	125	95	5.4	0.96	5.2	492	788

Remarks 1. No 1,2,3,column 7 have added infiltration rate =1.5 mm./day already

2. Depth of water for soaking in paddy field = 200-300 mm.

3. Depth of water for land preparation in field crop = 60-90 mm.

Crop Water Requirement in North-East Region

Si Sa Ket

No	Name	Age of plant (day)	Days of Irrigated (day)	Average Evapo. (mm.)	ET/E (k'p)	ET/day (mm.)	Total Crop Water Requirement	
							mm.	cu.m./rai
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
1	Rice(High Yield Variety)	100	86	4.5	1.30	7.4	632	1011
2	Rice(Khao Dawk Mali 105)	100	86	4.5	1.14	6.6	570	912
3	Rice (Basmati)	100	86	4.5	1.29	7.3	628	1005
4	Wheat	100	86	4.5	0.71	3.2	275	440
5	Maize	100	86	4.5	0.80	3.6	310	495
6	Sweet corn	75	68	4.5	0.79	3.6	242	387
7	Sorghum	110	96	4.5	0.79	3.6	341	546
8	Soybean	100	86	4.5	0.85	3.8	329	526
9	Ground nut	105	91	4.5	0.80	3.6	328	524
10	Mungbean	70	63	4.5	0.67	3.0	190	304
11	Sesame	90	76	4.5	0.76	3.4	260	416
12	Tobacco	90	83	4.5	0.94	4.2	351	562
13	Sunflower	110	96	4.5	0.80	3.6	346	553
14	Watermelon	85	78	4.5	1.05	4.7	369	590
15	Cotton	160	130	4.5	0.71	3.2	415	665
16	Sugarcane	300	270	4.5	0.71	3.2	863	1380
17	Castor bean	230	200	4.5	0.73	3.3	657	1051
18	Taro	170	156	4.5	1.48	6.7	1039	1662
19	Asparagus	365	365	4.5	0.82	3.7	1347	2155
20	Tomato	110	96	4.5	1.01	4.5	436	698
21	Onion	100	86	4.5	0.90	4.1	348	557
22	Shallot	85	71	4.5	0.84	3.8	268	429
23	Garlic	110	96	4.5	0.55	2.5	238	380
24	Potato	95	81	4.5	0.89	4.0	324	519

Crop Water Requirement in North-East Region(cont.)

Si Sa Ket

No	Name	Age of plant (day)	Days of Irrigated (day)	Average Evapo. (mm.)	ET/E (k'p)	ET/day (mm.)	Total Crop Water Requirement	
							mm.	cu.m./rai
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
25	Bird peper	150	120	4.5	0.79	3.6	427	683
26	Bitter gourd	75	68	4.5	0.94	4.2	288	460
27	Cauliflower	45	45	4.5	0.86	3.9	174	279
28	Chinese kale	55	55	4.5	0.59	2.7	146	234
29	Yard long bean	80	73	4.5	0.77	3.5	253	405
30	Sugar pea	85	78	4.5	0.76	3.4	267	427
31	Winged bean	135	105	4.5	0.74	3.3	350	559
32	Chinese white cabbage	45	45	4.5	0.59	2.7	119	191
33	Celery cabbage	60	60	4.5	0.64	2.9	173	276
34	Chinese radish	45	45	4.5	0.81	3.6	164	262
35	Baby corn	65	58	4.5	0.97	4.4	253	405
36	Sweet potato	125	95	4.5	0.96	4.3	410	657

Remarks 1. No 1,2,3,column 7 have added infiltration rate =1.5 mm./day already

2. Depth of water for soaking in paddy field = 200-300 mm.

3. Depth of water for land preparation in field crop = 60-90 mm.

Crop Water Requirement in North-East Region

Buri Ram

No	Name	Age of plant (day)	Days of Irrigated (day)	Average Evapo. (mm.)	ET/E (k'p)	ET/day (mm.)	Total Crop Water Requirement	
							mm.	cu.m./rai
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
1	Rice(High Yield Variety)	100	86	5.8	1.30	9.0	777	1244
2	Rice(Khao Dawk Mali 105)	100	86	5.8	1.14	8.1	698	1116
3	Rice (Basmati)	100	86	5.8	1.29	9.0	772	1236
4	Wheat	100	86	5.8	0.71	4.1	354	567
5	Maize	100	86	5.8	0.80	4.6	399	638
6	Sweet corn	75	68	5.8	0.79	4.6	312	499
7	Sorghum	110	96	5.8	0.79	4.6	440	704
8	Soybean	100	86	5.8	0.85	4.9	424	678
9	Ground nut	105	91	5.8	0.80	4.6	422	676
10	Mungbean	70	63	5.8	0.67	3.9	245	392
11	Sesame	90	76	5.8	0.76	4.4	335	536
12	Tobacco	90	83	5.8	0.94	5.5	453	724
13	Sunflower	110	96	5.8	0.80	4.6	445	713
14	Watermelon	85	78	5.8	1.05	6.1	475	760
15	Cotton	160	130	5.8	0.71	4.1	535	857
16	Sugarcane	300	270	5.8	0.71	4.1	1112	1779
17	Castor bean	230	200	5.8	0.73	4.2	847	1355
18	Taro	170	156	5.8	1.48	8.6	1339	2143
19	Asparagus	365	365	5.8	0.82	4.8	1736	2778
20	Tomato	110	96	5.8	1.01	5.9	562	900
21	Onion	100	86	5.8	0.90	5.2	449	718
22	Shallot	85	71	5.8	0.84	4.9	346	553
23	Garlic	110	96	5.8	0.55	3.2	306	490
24	Potato	95	81	5.8	0.89	5.2	418	669

Crop Water Requirement in North-East Region(cont.)

Buri Ram

No	Name	Age of plant (day)	Days of Irrigated (day)	Average Evapo. (mm.)	ET/E (k'p)	ET/day (mm.)	Total Crop Water Requirement	
							mm.	cu.m./rai
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
25	Bird peper	150	120	5.8	0.79	4.6	550	880
26	Bitter gourd	75	68	5.8	0.94	5.5	371	593
27	Cauliflower	45	45	5.8	0.86	5.0	224	359
28	Chinese kale	55	55	5.8	0.59	3.4	188	301
29	Yard long bean	80	73	5.8	0.77	4.5	326	522
30	Sugar pea	85	78	5.8	0.76	4.4	344	550
31	Winged bean	135	105	5.8	0.74	4.3	451	721
32	Chinese white cabbage	45	45	5.8	0.59	3.4	154	246
33	Celery cabbage	60	60	5.8	0.64	3.7	223	356
34	Chinese radish	45	45	5.8	0.81	4.7	211	338
35	Baby corn	65	58	5.8	0.97	5.6	326	522
36	Sweet potato	125	95	5.8	0.96	5.6	529	846

Remarks 1. No 1,2,3,column 7 have added infiltration rate =1.5 mm./day already

2. Depth of water for soaking in paddy field = 200-300 mm.

3. Depth of water for land preparation in field crop = 60-90 mm.

Crop Water Requirement in North-East Region

Surin

No	Name	Age of plant (day)	Days of Irrigated (day)	Average Evapo. (mm.)	ET/E (k'p)	ET/day (mm.)	Total Crop Water Requirement	
							mm.	cu.m./rai
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
1	Rice(High Yield Variety)	100	86	6.3	1.30	9.7	833	1333
2	Rice(Khao Dawk Mali 105)	100	86	6.3	1.14	8.7	747	1195
3	Rice (Basmati)	100	86	6.3	1.29	9.6	828	1325
4	Wheat	100	86	6.3	0.71	4.5	385	615
5	Maize	100	86	6.3	0.80	5.0	433	694
6	Sweet corn	75	68	6.3	0.79	5.0	338	541
7	Sorghum	110	96	6.3	0.79	5.0	478	764
8	Soybean	100	86	6.3	0.85	5.4	461	737
9	Ground nut	105	91	6.3	0.80	5.0	459	734
10	Mungbean	70	63	6.3	0.67	4.2	266	425
11	Sesame	90	76	6.3	0.76	4.8	364	582
12	Tobacco	90	83	6.3	0.94	5.9	492	786
13	Sunflower	110	96	6.3	0.80	5.0	484	774
14	Watermelon	85	78	6.3	1.05	6.6	516	826
15	Cotton	160	130	6.3	0.71	4.5	581	930
16	Sugarcane	300	270	6.3	0.71	4.5	1208	1932
17	Castor bean	230	200	6.3	0.73	4.6	920	1472
18	Taro	170	156	6.3	1.48	9.3	1455	2327
19	Asparagus	365	365	6.3	0.82	5.2	1886	3017
20	Tomato	110	96	6.3	1.01	6.4	611	977
21	Onion	100	86	6.3	0.90	5.7	488	780
22	Shallot	85	71	6.3	0.84	5.3	376	601
23	Garlic	110	96	6.3	0.55	3.5	333	532
24	Potato	95	81	6.3	0.89	5.6	454	727

Crop Water Requirement in North-East Region(cont.)

Surin

No	Name	Age of plant (day)	Days of Irrigated (day)	Average Evapo. (mm.)	ET/E (k'p)	ET/day (mm.)	Total Crop Water Requirement	
							mm.	cu.m./rai
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
25	Bird peper	150	120	6.3	0.79	5.0	597	956
26	Bitter gourd	75	68	6.3	0.94	5.9	403	644
27	Cauliflower	45	45	6.3	0.86	5.4	244	390
28	Chinese kale	55	55	6.3	0.59	3.7	204	327
29	Yard long bean	80	73	6.3	0.77	4.9	354	567
30	Sugar pea	85	78	6.3	0.76	4.8	373	598
31	Winged bean	135	105	6.3	0.74	4.7	490	783
32	Chinese white cabbage	45	45	6.3	0.59	3.7	167	268
33	Celery cabbage	60	60	6.3	0.64	4.0	242	387
34	Chinese radish	45	45	6.3	0.81	5.1	230	367
35	Baby corn	65	58	6.3	0.97	6.1	354	567
36	Sweet potato	125	95	6.3	0.96	6.0	575	919

Remarks 1. No 1,2,3,column 7 have added infiltration rate =1.5 mm./day already

2. Depth of water for soaking in paddy field = 200-300 mm.

3. Depth of water for land preparation in field crop = 60-90 mm.

Crop Water Requirement in Central Region

No	Name	Age of plant (day)	Days of Irrigated (day)	Average Evapo. (mm.)	ET/E (k'p)	ET/day (mm.)	Total Crop Water Requirement	
							mm.	cu.m./rai
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
1	Rice(High Yield Variety)	100	86	5.3	1.30	8.4	722	1154
2	Rice(Khao Dawk Mali 105)	100	86	5.3	1.14	7.5	649	1038
3	Rice (Basmati)	100	86	5.3	1.29	8.3	717	1147
4	Wheat	100	86	5.3	0.71	3.8	324	518
5	Maize	100	86	5.3	0.80	4.2	365	583
6	Sweet corn	75	68	5.3	0.79	4.2	285	456
7	Sorghum	110	96	5.3	0.79	4.2	402	643
8	Soybean	100	86	5.3	0.85	4.5	387	620
9	Ground nut	105	91	5.3	0.80	4.2	386	617
10	Mungbean	70	63	5.3	0.67	3.6	224	358
11	Sesame	90	76	5.3	0.76	4.0	306	490
12	Tobacco	90	83	5.3	0.94	5.0	414	662
13	Sunflower	110	96	5.3	0.80	4.2	407	651
14	Watermelon	85	78	5.3	1.05	5.6	434	695
15	Cotton	160	130	5.3	0.71	3.8	489	783
16	Sugarcane	300	270	5.3	0.71	3.8	1016	1626
17	Castor bean	230	200	5.3	0.73	3.9	774	1238
18	Taro	170	156	5.3	1.48	7.8	1224	1958
19	Asparagus	365	365	5.3	0.82	4.3	1586	2538
20	Tomato	110	96	5.3	1.01	5.4	514	822
21	Onion	100	86	5.3	0.90	4.8	410	656
22	Shallot	85	71	5.3	0.84	4.5	316	506
23	Garlic	110	96	5.3	0.55	2.9	280	448
24	Potato	95	81	5.3	0.89	4.7	382	611

Crop Water Requirement in Central Region(cont.)

No	Name	Age of plant (day)	Days of Irrigated (day)	Average Evapo. (mm.)	ET/E (k'p)	ET/day (mm.)	Total Crop Water Requirement	
							mm.	cu.m./rai
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
25	Bird peper	150	120	5.3	0.79	4.2	502	804
26	Bitter gourd	75	68	5.3	0.94	5.0	339	542
27	Cauliflower	45	45	5.3	0.86	4.6	205	328
28	Chinese kale	55	55	5.3	0.59	3.1	172	275
29	Yard long bean	80	73	5.3	0.77	4.1	298	477
30	Sugar pea	85	78	5.3	0.76	4.0	314	503
31	Winged bean	135	105	5.3	0.74	3.9	412	659
32	Chinese white cabbage	45	45	5.3	0.59	3.1	141	225
33	Celery cabbage	60	60	5.3	0.64	3.4	204	326
34	Chinese radish	45	45	5.3	0.81	4.3	193	309
35	Baby corn	65	58	5.3	0.97	5.1	298	477
36	Sweet potato	125	95	5.3	0.96	5.1	483	773

Remarks 1. No 1,2,3,column 7 have added infiltration rate =1.5 mm./day already

2. Depth of water for soaking in paddy field = 200-300 mm.

3. Depth of water for land preparation in field crop = 60-90 mm.

Crop Water Requirement in Central Region

Chai Nat

No	Name	Age of plant (day)	Days of Irrigated (day)	Average Evapo. (mm.)	ET/E (k'p)	ET/day (mm.)	Total Crop Water Requirement	
							mm.	cu.m./rai
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
1	Rice(High Yield Variety)	100	86	5.0	1.30	8.0	688	1101
2	Rice(Khao Dawk Mali 105)	100	86	5.0	1.14	7.2	619	991
3	Rice (Basmati)	100	86	5.0	1.29	8.0	684	1094
4	Wheat	100	86	5.0	0.71	3.6	305	488
5	Maize	100	86	5.0	0.80	4.0	344	550
6	Sweet corn	75	68	5.0	0.79	4.0	269	430
7	Sorghum	110	96	5.0	0.79	4.0	379	607
8	Soybean	100	86	5.0	0.85	4.3	366	585
9	Ground nut	105	91	5.0	0.80	4.0	364	582
10	Mungbean	70	63	5.0	0.67	3.4	211	338
11	Sesame	90	76	5.0	0.76	3.8	289	462
12	Tobacco	90	83	5.0	0.94	4.7	390	624
13	Sunflower	110	96	5.0	0.80	4.0	384	614
14	Watermelon	85	78	5.0	1.05	5.3	410	655
15	Cotton	160	130	5.0	0.71	3.6	462	738
16	Sugarcane	300	270	5.0	0.71	3.6	959	1534
17	Castor bean	230	200	5.0	0.73	3.7	730	1168
18	Taro	170	156	5.0	1.48	7.4	1154	1847
19	Asparagus	365	365	5.0	0.82	4.1	1497	2394
20	Tomato	110	96	5.0	1.01	5.1	485	776
21	Onion	100	86	5.0	0.90	4.5	387	619
22	Shallot	85	71	5.0	0.84	4.2	298	477
23	Garlic	110	96	5.0	0.55	2.8	264	422
24	Potato	95	81	5.0	0.89	4.5	360	577

Crop Water Requirement in Central Region(cont.)

Chai Nat

No	Name	Age of plant (day)	Days of Irrigated (day)	Average Evapo. (mm.)	ET/E (k'p)	ET/day (mm.)	Total Crop Water Requirement	
							mm.	cu.m./rai
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
25	Bird peper	150	120	5.0	0.79	4.0	474	758
26	Bitter gourd	75	68	5.0	0.94	4.7	320	511
27	Cauliflower	45	45	5.0	0.86	4.3	194	310
28	Chinese kale	55	55	5.0	0.59	3.0	162	260
29	Yard long bean	80	73	5.0	0.77	3.9	281	450
30	Sugar pea	85	78	5.0	0.76	3.8	296	474
31	Winged bean	135	105	5.0	0.74	3.7	389	622
32	Chinese white cabbage	45	45	5.0	0.59	3.0	133	212
33	Celery cabbage	60	60	5.0	0.64	3.2	192	307
34	Chinese radish	45	45	5.0	0.81	4.1	182	292
35	Baby corn	65	58	5.0	0.97	4.9	281	450
36	Sweet potato	125	95	5.0	0.96	4.8	456	730

Remarks 1. No 1,2,3,column 7 have added infiltration rate =1.5 mm./day already

2. Depth of water for soaking in paddy field = 200-300 mm.

3. Depth of water for land preparation in field crop = 60-90 mm.

Crop Water Requirement in Central Region

Uthai Thani

No	Name	Age of plant (day)	Days of Irrigated (day)	Average Evapo. (mm.)	ET/E (k'p)	ET/day (mm.)	Total Crop Water Requirement	
							mm.	cu.m./rai
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
1	Rice(High Yield Variety)	100	86	4.8	1.30	7.7	666	1065
2	Rice(Khao Dawk Mali 105)	100	86	4.8	1.14	7.0	600	959
3	Rice (Basmati)	100	86	4.8	1.29	7.7	662	1058
4	Wheat	100	86	4.8	0.71	3.4	293	469
5	Maize	100	86	4.8	0.80	3.8	330	528
6	Sweet corn	75	68	4.8	0.79	3.8	258	413
7	Sorghum	110	96	4.8	0.79	3.8	364	582
8	Soybean	100	86	4.8	0.85	4.1	351	561
9	Ground nut	105	91	4.8	0.80	3.8	349	559
10	Mungbean	70	63	4.8	0.67	3.2	203	324
11	Sesame	90	76	4.8	0.76	3.6	277	444
12	Tobacco	90	83	4.8	0.94	4.5	374	599
13	Sunflower	110	96	4.8	0.80	3.8	369	590
14	Watermelon	85	78	4.8	1.05	5.0	393	629
15	Cotton	160	130	4.8	0.71	3.4	443	709
16	Sugarcane	300	270	4.8	0.71	3.4	920	1472
17	Castor bean	230	200	4.8	0.73	3.5	701	1121
18	Taro	170	156	4.8	1.48	7.1	1108	1773
19	Asparagus	365	365	4.8	0.82	3.9	1437	2299
20	Tomato	110	96	4.8	1.01	4.8	465	745
21	Onion	100	86	4.8	0.90	4.3	372	594
22	Shallot	85	71	4.8	0.84	4.0	286	458
23	Garlic	110	96	4.8	0.55	2.6	253	406
24	Potato	95	81	4.8	0.89	4.3	346	554

Crop Water Requirement in Central Region(cont.)

Uthai Thani

No	Name	Age of plant (day)	Days of Irrigated (day)	Average Evapo. (mm.)	ET/E (k'p)	ET/day (mm.)	Total Crop Water Requirement	
							mm.	cu.m./rai
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
25	Bird peper	150	120	4.8	0.79	3.8	455	728
26	Bitter gourd	75	68	4.8	0.94	4.5	307	491
27	Cauliflower	45	45	4.8	0.86	4.1	186	297
28	Chinese kale	55	55	4.8	0.59	2.8	156	249
29	Yard long bean	80	73	4.8	0.77	3.7	270	432
30	Sugar pea	85	78	4.8	0.76	3.6	285	455
31	Winged bean	135	105	4.8	0.74	3.6	373	597
32	Chinese white cabbage	45	45	4.8	0.59	2.8	127	204
33	Celery cabbage	60	60	4.8	0.64	3.1	184	295
34	Chinese radish	45	45	4.8	0.81	3.9	175	280
35	Baby corn	65	58	4.8	0.97	4.7	270	432
36	Sweet potato	125	95	4.8	0.96	4.6	438	700

Remarks 1. No 1,2,3,column 7 have added infiltration rate =1.5 mm./day already

2. Depth of water for soaking in paddy field = 200-300 mm.

3. Depth of water for land preparation in field crop = 60-90 mm.

Crop Water Requirement in Central Region

Suphan Buri

No	Name	Age of plant (day)	Days of Irrigated (day)	Average Evapo. (mm.)	ET/E (k'p)	ET/day (mm.)	Total Crop Water Requirement	
							mm.	cu.m./rai
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
1	Rice(High Yield Variety)	100	86	5.3	1.30	8.4	722	1154
2	Rice(Khao Dawk Mali 105)	100	86	5.3	1.14	7.5	649	1038
3	Rice (Basmati)	100	86	5.3	1.29	8.3	717	1147
4	Wheat	100	86	5.3	0.71	3.8	324	518
5	Maize	100	86	5.3	0.80	4.2	365	583
6	Sweet corn	75	68	5.3	0.79	4.2	285	456
7	Sorghum	110	96	5.3	0.79	4.2	402	643
8	Soybean	100	86	5.3	0.85	4.5	387	620
9	Ground nut	105	91	5.3	0.80	4.2	386	617
10	Mungbean	70	63	5.3	0.67	3.6	224	358
11	Sesame	90	76	5.3	0.76	4.0	306	490
12	Tobacco	90	83	5.3	0.94	5.0	414	662
13	Sunflower	110	96	5.3	0.80	4.2	407	651
14	Watermelon	85	78	5.3	1.05	5.6	434	695
15	Cotton	160	130	5.3	0.71	3.8	489	783
16	Sugarcane	300	270	5.3	0.71	3.8	1016	1626
17	Castor bean	230	200	5.3	0.73	3.9	774	1238
18	Taro	170	156	5.3	1.48	7.8	1224	1958
19	Asparagus	365	365	5.3	0.82	4.3	1586	2538
20	Tomato	110	96	5.3	1.01	5.4	514	822
21	Onion	100	86	5.3	0.90	4.8	410	656
22	Shallot	85	71	5.3	0.84	4.5	316	506
23	Garlic	110	96	5.3	0.55	2.9	280	448
24	Potato	95	81	5.3	0.89	4.7	382	611

Crop Water Requirement in Central Region(cont.)

Suphan Buri

No	Name	Age of plant (day)	Days of Irrigated (day)	Average Evapo. (mm.)	ET/E (k'p)	ET/day (mm.)	Total Crop Water Requirement	
							mm.	cu.m./rai
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
25	Bird peper	150	120	5.3	0.79	4.2	502	804
26	Bitter gourd	75	68	5.3	0.94	5.0	339	542
27	Cauliflower	45	45	5.3	0.86	4.6	205	328
28	Chinese kale	55	55	5.3	0.59	3.1	172	275
29	Yard long bean	80	73	5.3	0.77	4.1	298	477
30	Sugar pea	85	78	5.3	0.76	4.0	314	503
31	Winged bean	135	105	5.3	0.74	3.9	412	659
32	Chinese white cabbage	45	45	5.3	0.59	3.1	141	225
33	Celery cabbage	60	60	5.3	0.64	3.4	204	326
34	Chinese radish	45	45	5.3	0.81	4.3	193	309
35	Baby corn	65	58	5.3	0.97	5.1	298	477
36	Sweet potato	125	95	5.3	0.96	5.1	483	773

Remarks 1. No 1,2,3,column 7 have added infiltration rate =1.5 mm./day already

2. Depth of water for soaking in paddy field = 200-300 mm.

3. Depth of water for land preparation in field crop = 60-90 mm.

Crop Water Requirement in Central Region

Lop Buri

No	Name	Age of plant (day)	Days of Irrigated (day)	Average Evapo. (mm.)	ET/E (k'p)	ET/day (mm.)	Total Crop Water Requirement	
							mm.	cu.m./rai
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
1	Rice(High Yield Variety)	100	86	5.8	1.30	9.0	777	1244
2	Rice(Khao Dawk Mali 105)	100	86	5.8	1.14	8.1	698	1116
3	Rice (Basmati)	100	86	5.8	1.29	9.0	772	1236
4	Wheat	100	86	5.8	0.71	4.1	354	567
5	Maize	100	86	5.8	0.80	4.6	399	638
6	Sweet corn	75	68	5.8	0.79	4.6	312	499
7	Sorghum	110	96	5.8	0.79	4.6	440	704
8	Soybean	100	86	5.8	0.85	4.9	424	678
9	Ground nut	105	91	5.8	0.80	4.6	422	676
10	Mungbean	70	63	5.8	0.67	3.9	245	392
11	Sesame	90	76	5.8	0.76	4.4	335	536
12	Tobacco	90	83	5.8	0.94	5.5	453	724
13	Sunflower	110	96	5.8	0.80	4.6	445	713
14	Watermelon	85	78	5.8	1.05	6.1	475	760
15	Cotton	160	130	5.8	0.71	4.1	535	857
16	Sugarcane	300	270	5.8	0.71	4.1	1112	1779
17	Castor bean	230	200	5.8	0.73	4.2	847	1355
18	Taro	170	156	5.8	1.48	8.6	1339	2143
19	Asparagus	365	365	5.8	0.82	4.8	1736	2778
20	Tomato	110	96	5.8	1.01	5.9	562	900
21	Onion	100	86	5.8	0.90	5.2	449	718
22	Shallot	85	71	5.8	0.84	4.9	346	553
23	Garlic	110	96	5.8	0.55	3.2	306	490
24	Potato	95	81	5.8	0.89	5.2	418	669

Crop Water Requirement in Central Region(cont.)

Lop Buri

No	Name	Age of plant (day)	Days of Irrigated (day)	Average Evapo. (mm.)	ET/E (k'p)	ET/day (mm.)	Total Crop Water Requirement	
							mm.	cu.m./rai
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
25	Bird peper	150	120	5.8	0.79	4.6	550	880
26	Bitter gourd	75	68	5.8	0.94	5.5	371	593
27	Cauliflower	45	45	5.8	0.86	5.0	224	359
28	Chinese kale	55	55	5.8	0.59	3.4	188	301
29	Yard long bean	80	73	5.8	0.77	4.5	326	522
30	Sugar pea	85	78	5.8	0.76	4.4	344	550
31	Winged bean	135	105	5.8	0.74	4.3	451	721
32	Chinese white cabbage	45	45	5.8	0.59	3.4	154	246
33	Celery cabbage	60	60	5.8	0.64	3.7	223	356
34	Chinese radish	45	45	5.8	0.81	4.7	211	338
35	Baby corn	65	58	5.8	0.97	5.6	326	522
36	Sweet potato	125	95	5.8	0.96	5.6	529	846

Remarks 1. No 1,2,3,column 7 have added infiltration rate =1.5 mm./day already

2. Depth of water for soaking in paddy field = 200-300 mm.

3. Depth of water for land preparation in field crop = 60-90 mm.

Crop Water Requirement in Central Region

Sing Buri

No	Name	Age of plant (day)	Days of Irrigated (day)	Average Evapo. (mm.)	ET/E (k'p)	ET/day (mm.)	Total Crop Water Requirement	
							mm.	cu.m./rai
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
1	Rice(High Yield Variety)	100	86	5.4	1.30	8.5	733	1172
2	Rice(Khao Dawk Mali 105)	100	86	5.4	1.14	7.7	658	1053
3	Rice (Basmati)	100	86	5.4	1.29	8.5	728	1165
4	Wheat	100	86	5.4	0.71	3.8	330	528
5	Maize	100	86	5.4	0.80	4.3	372	594
6	Sweet corn	75	68	5.4	0.79	4.3	290	464
7	Sorghum	110	96	5.4	0.79	4.3	410	655
8	Soybean	100	86	5.4	0.85	4.6	395	632
9	Ground nut	105	91	5.4	0.80	4.3	393	629
10	Mungbean	70	63	5.4	0.67	3.6	228	365
11	Sesame	90	76	5.4	0.76	4.1	312	499
12	Tobacco	90	83	5.4	0.94	5.1	421	674
13	Sunflower	110	96	5.4	0.80	4.3	415	664
14	Watermelon	85	78	5.4	1.05	5.7	442	708
15	Cotton	160	130	5.4	0.71	3.8	498	797
16	Sugarcane	300	270	5.4	0.71	3.8	1035	1656
17	Castor bean	230	200	5.4	0.73	3.9	788	1261
18	Taro	170	156	5.4	1.48	8.0	1247	1995
19	Asparagus	365	365	5.4	0.82	4.4	1616	2586
20	Tomato	110	96	5.4	1.01	5.5	524	838
21	Onion	100	86	5.4	0.90	4.9	418	669
22	Shallot	85	71	5.4	0.84	4.5	322	515
23	Garlic	110	96	5.4	0.55	3.0	285	456
24	Potato	95	81	5.4	0.89	4.8	389	623

Crop Water Requirement in Central Region(cont.)

Sing Buri

No	Name	Age of plant (day)	Days of Irrigated (day)	Average Evapo. (mm.)	ET/E (k'p)	ET/day (mm.)	Total Crop Water Requirement	
							mm.	cu.m./rai
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
25	Bird peper	150	120	5.4	0.79	4.3	512	819
26	Bitter gourd	75	68	5.4	0.94	5.1	345	552
27	Cauliflower	45	45	5.4	0.86	4.6	209	334
28	Chinese kale	55	55	5.4	0.59	3.2	175	280
29	Yard long bean	80	73	5.4	0.77	4.2	304	486
30	Sugar pea	85	78	5.4	0.76	4.1	320	512
31	Winged bean	135	105	5.4	0.74	4.0	420	671
32	Chinese white cabbage	45	45	5.4	0.59	3.2	143	229
33	Celery cabbage	60	60	5.4	0.64	3.5	207	332
34	Chinese radish	45	45	5.4	0.81	4.4	197	315
35	Baby corn	65	58	5.4	0.97	5.2	304	486
36	Sweet potato	125	95	5.4	0.96	5.2	492	788

Remarks 1. No 1,2,3,column 7 have added infiltration rate =1.5 mm./day already

2. Depth of water for soaking in paddy field = 200-300 mm.

3. Depth of water for land preparation in field crop = 60-90 mm.

Crop Water Requirement in Central Region

Saraburi

No	Name	Age of plant (day)	Days of Irrigated (day)	Average Evapo. (mm.)	ET/E (k'p)	ET/day (mm.)	Total Crop Water Requirement	
							mm.	cu.m./rai
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
1	Rice(High Yield Variety)	100	86	5.1	1.30	8.1	699	1119
2	Rice(Khao Dawk Mali 105)	100	86	5.1	1.14	7.3	629	1006
3	Rice (Basmati)	100	86	5.1	1.29	8.1	695	1112
4	Wheat	100	86	5.1	0.71	3.6	311	498
5	Maize	100	86	5.1	0.80	4.1	351	561
6	Sweet corn	75	68	5.1	0.79	4.0	274	438
7	Sorghum	110	96	5.1	0.79	4.0	387	619
8	Soybean	100	86	5.1	0.85	4.3	373	596
9	Ground nut	105	91	5.1	0.80	4.1	371	594
10	Mungbean	70	63	5.1	0.67	3.4	215	344
11	Sesame	90	76	5.1	0.76	3.9	295	471
12	Tobacco	90	83	5.1	0.94	4.8	398	637
13	Sunflower	110	96	5.1	0.80	4.1	392	627
14	Watermelon	85	78	5.1	1.05	5.4	418	668
15	Cotton	160	130	5.1	0.71	3.6	471	753
16	Sugarcane	300	270	5.1	0.71	3.6	978	1564
17	Castor bean	230	200	5.1	0.73	3.7	745	1191
18	Taro	170	156	5.1	1.48	7.5	1177	1884
19	Asparagus	365	365	5.1	0.82	4.2	1526	2442
20	Tomato	110	96	5.1	1.01	5.2	494	791
21	Onion	100	86	5.1	0.90	4.6	395	632
22	Shallot	85	71	5.1	0.84	4.3	304	487
23	Garlic	110	96	5.1	0.55	2.8	269	431
24	Potato	95	81	5.1	0.89	4.5	368	588

Crop Water Requirement in Central Region(cont.)

Saraburi

No	Name	Age of plant (day)	Days of Irrigated (day)	Average Evapo. (mm.)	ET/E (k'p)	ET/day (mm.)	Total Crop Water Requirement	
							mm.	cu.m./rai
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
25	Bird peper	150	120	5.1	0.79	4.0	483	774
26	Bitter gourd	75	68	5.1	0.94	4.8	326	522
27	Cauliflower	45	45	5.1	0.86	4.4	197	316
28	Chinese kale	55	55	5.1	0.59	3.0	165	265
29	Yard long bean	80	73	5.1	0.77	3.9	287	459
30	Sugar pea	85	78	5.1	0.76	3.9	302	484
31	Winged bean	135	105	5.1	0.74	3.8	396	634
32	Chinese white cabbage	45	45	5.1	0.59	3.0	135	217
33	Celery cabbage	60	60	5.1	0.64	3.3	196	313
34	Chinese radish	45	45	5.1	0.81	4.1	186	297
35	Baby corn	65	58	5.1	0.97	4.9	287	459
36	Sweet potato	125	95	5.1	0.96	4.9	465	744

Remarks 1. No 1,2,3,column 7 have added infiltration rate =1.5 mm./day already

2. Depth of water for soaking in paddy field = 200-300 mm.

3. Depth of water for land preparation in field crop = 60-90 mm.

Crop Water Requirement in Central Region

Ang Thong

No	Name	Age of plant (day)	Days of Irrigated (day)	Average Evapo. (mm.)	ET/E (k'p)	ET/day (mm.)	Total Crop Water Requirement	
							mm.	cu.m./rai
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
1	Rice(High Yield Variety)	100	86	5.3	1.30	8.4	722	1154
2	Rice(Khao Dawk Mali 105)	100	86	5.3	1.14	7.5	649	1038
3	Rice (Basmati)	100	86	5.3	1.29	8.3	717	1147
4	Wheat	100	86	5.3	0.71	3.8	324	518
5	Maize	100	86	5.3	0.80	4.2	365	583
6	Sweet corn	75	68	5.3	0.79	4.2	285	456
7	Sorghum	110	96	5.3	0.79	4.2	402	643
8	Soybean	100	86	5.3	0.85	4.5	387	620
9	Ground nut	105	91	5.3	0.80	4.2	386	617
10	Mungbean	70	63	5.3	0.67	3.6	224	358
11	Sesame	90	76	5.3	0.76	4.0	306	490
12	Tobacco	90	83	5.3	0.94	5.0	414	662
13	Sunflower	110	96	5.3	0.80	4.2	407	651
14	Watermelon	85	78	5.3	1.05	5.6	434	695
15	Cotton	160	130	5.3	0.71	3.8	489	783
16	Sugarcane	300	270	5.3	0.71	3.8	1016	1626
17	Castor bean	230	200	5.3	0.73	3.9	774	1238
18	Taro	170	156	5.3	1.48	7.8	1224	1958
19	Asparagus	365	365	5.3	0.82	4.3	1586	2538
20	Tomato	110	96	5.3	1.01	5.4	514	822
21	Onion	100	86	5.3	0.90	4.8	410	656
22	Shallot	85	71	5.3	0.84	4.5	316	506
23	Garlic	110	96	5.3	0.55	2.9	280	448
24	Potato	95	81	5.3	0.89	4.7	382	611

Crop Water Requirement in Central Region(cont.)

Ang Thong

No	Name	Age of plant (day)	Days of Irrigated (day)	Average Evapo. (mm.)	ET/E (k'p)	ET/day (mm.)	Total Crop Water Requirement	
							mm.	cu.m./rai
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
25	Bird peper	150	120	5.3	0.79	4.2	502	804
26	Bitter gourd	75	68	5.3	0.94	5.0	339	542
27	Cauliflower	45	45	5.3	0.86	4.6	205	328
28	Chinese kale	55	55	5.3	0.59	3.1	172	275
29	Yard long bean	80	73	5.3	0.77	4.1	298	477
30	Sugar pea	85	78	5.3	0.76	4.0	314	503
31	Winged bean	135	105	5.3	0.74	3.9	412	659
32	Chinese white cabbage	45	45	5.3	0.59	3.1	141	225
33	Celery cabbage	60	60	5.3	0.64	3.4	204	326
34	Chinese radish	45	45	5.3	0.81	4.3	193	309
35	Baby corn	65	58	5.3	0.97	5.1	298	477
36	Sweet potato	125	95	5.3	0.96	5.1	483	773

Remarks 1. No 1,2,3,column 7 have added infiltration rate =1.5 mm./day already

2. Depth of water for soaking in paddy field = 200-300 mm.

3. Depth of water for land preparation in field crop = 60-90 mm.

Crop Water Requirement in Central Region

Phra Nakhon Si Ayutthaya

No	Name	Age of plant (day)	Days of Irrigated (day)	Average Evapo. (mm.)	ET/E (k'p)	ET/day (mm.)	Total Crop Water Requirement	
							mm.	cu.m./rai
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
1	Rice(High Yield Variety)	100	86	5.2	1.30	8.3	710	1137
2	Rice(Khao Dawk Mali 105)	100	86	5.2	1.14	7.4	639	1022
3	Rice (Basmati)	100	86	5.2	1.29	8.2	706	1129
4	Wheat	100	86	5.2	0.71	3.7	318	508
5	Maize	100	86	5.2	0.80	4.2	358	572
6	Sweet corn	75	68	5.2	0.79	4.1	279	447
7	Sorghum	110	96	5.2	0.79	4.1	394	631
8	Soybean	100	86	5.2	0.85	4.4	380	608
9	Ground nut	105	91	5.2	0.80	4.2	379	606
10	Mungbean	70	63	5.2	0.67	3.5	219	351
11	Sesame	90	76	5.2	0.76	4.0	300	481
12	Tobacco	90	83	5.2	0.94	4.9	406	649
13	Sunflower	110	96	5.2	0.80	4.2	399	639
14	Watermelon	85	78	5.2	1.05	5.5	426	681
15	Cotton	160	130	5.2	0.71	3.7	480	768
16	Sugarcane	300	270	5.2	0.71	3.7	997	1595
17	Castor bean	230	200	5.2	0.73	3.8	759	1215
18	Taro	170	156	5.2	1.48	7.7	1201	1921
19	Asparagus	365	365	5.2	0.82	4.3	1556	2490
20	Tomato	110	96	5.2	1.01	5.3	504	807
21	Onion	100	86	5.2	0.90	4.7	402	644
22	Shallot	85	71	5.2	0.84	4.4	310	496
23	Garlic	110	96	5.2	0.55	2.9	275	439
24	Potato	95	81	5.2	0.89	4.6	375	600

Crop Water Requirement in Central Region(cont.)

Phra Nakhon Si Ayutthaya

No	Name	Age of plant (day)	Days of Irrigated (day)	Average Evapo. (mm.)	ET/E (k'p)	ET/day (mm.)	Total Crop Water Requirement	
							mm.	cu.m./rai
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
25	Bird peper	150	120	5.2	0.79	4.1	493	789
26	Bitter gourd	75	68	5.2	0.94	4.9	332	532
27	Cauliflower	45	45	5.2	0.86	4.5	201	322
28	Chinese kale	55	55	5.2	0.59	3.1	169	270
29	Yard long bean	80	73	5.2	0.77	4.0	292	468
30	Sugar pea	85	78	5.2	0.76	4.0	308	493
31	Winged bean	135	105	5.2	0.74	3.8	404	646
32	Chinese white cabbage	45	45	5.2	0.59	3.1	138	221
33	Celery cabbage	60	60	5.2	0.64	3.3	200	319
34	Chinese radish	45	45	5.2	0.81	4.2	190	303
35	Baby corn	65	58	5.2	0.97	5.0	293	468
36	Sweet potato	125	95	5.2	0.96	5.0	474	759

Remarks 1. No 1,2,3,column 7 have added infiltration rate =1.5 mm./day already

2. Depth of water for soaking in paddy field = 200-300 mm.

3. Depth of water for land preparation in field crop = 60-90 mm.

Crop Water Requirement in Central Region

Pathum Thani

No	Name	Age of plant (day)	Days of Irrigated (day)	Average Evapo. (mm.)	ET/E (k'p)	ET/day (mm.)	Total Crop Water Requirement	
							mm.	cu.m./rai
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
1	Rice(High Yield Variety)	100	86	5.2	1.30	8.3	710	1137
2	Rice(Khao Dawk Mali 105)	100	86	5.2	1.14	7.4	639	1022
3	Rice (Basmati)	100	86	5.2	1.29	8.2	706	1129
4	Wheat	100	86	5.2	0.71	3.7	318	508
5	Maize	100	86	5.2	0.80	4.2	358	572
6	Sweet corn	75	68	5.2	0.79	4.1	279	447
7	Sorghum	110	96	5.2	0.79	4.1	394	631
8	Soybean	100	86	5.2	0.85	4.4	380	608
9	Ground nut	105	91	5.2	0.80	4.2	379	606
10	Mungbean	70	63	5.2	0.67	3.5	219	351
11	Sesame	90	76	5.2	0.76	4.0	300	481
12	Tobacco	90	83	5.2	0.94	4.9	406	649
13	Sunflower	110	96	5.2	0.80	4.2	399	639
14	Watermelon	85	78	5.2	1.05	5.5	426	681
15	Cotton	160	130	5.2	0.71	3.7	480	768
16	Sugarcane	300	270	5.2	0.71	3.7	997	1595
17	Castor bean	230	200	5.2	0.73	3.8	759	1215
18	Taro	170	156	5.2	1.48	7.7	1201	1921
19	Asparagus	365	365	5.2	0.82	4.3	1556	2490
20	Tomato	110	96	5.2	1.01	5.3	504	807
21	Onion	100	86	5.2	0.90	4.7	402	644
22	Shallot	85	71	5.2	0.84	4.4	310	496
23	Garlic	110	96	5.2	0.55	2.9	275	439
24	Potato	95	81	5.2	0.89	4.6	375	600

Crop Water Requirement in Central Region(cont.)

Pathum Thani

No	Name	Age of plant (day)	Days of Irrigated (day)	Average Evapo. (mm.)	ET/E (k'p)	ET/day (mm.)	Total Crop Water Requirement	
							mm.	cu.m./rai
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
25	Bird peper	150	120	5.2	0.79	4.1	493	789
26	Bitter gourd	75	68	5.2	0.94	4.9	332	532
27	Cauliflower	45	45	5.2	0.86	4.5	201	322
28	Chinese kale	55	55	5.2	0.59	3.1	169	270
29	Yard long bean	80	73	5.2	0.77	4.0	292	468
30	Sugar pea	85	78	5.2	0.76	4.0	308	493
31	Winged bean	135	105	5.2	0.74	3.8	404	646
32	Chinese white cabbage	45	45	5.2	0.59	3.1	138	221
33	Celery cabbage	60	60	5.2	0.64	3.3	200	319
34	Chinese radish	45	45	5.2	0.81	4.2	190	303
35	Baby corn	65	58	5.2	0.97	5.0	293	468
36	Sweet potato	125	95	5.2	0.96	5.0	474	759

Remarks 1. No 1,2,3,column 7 have added infiltration rate =1.5 mm./day already

2. Depth of water for soaking in paddy field = 200-300 mm.

3. Depth of water for land preparation in field crop = 60-90 mm.

Crop Water Requirement in Central Region

Nonthaburi

No	Name	Age of plant (day)	Days of Irrigated (day)	Average Evapo. (mm.)	ET/E (k'p)	ET/day (mm.)	Total Crop Water Requirement	
							mm.	cu.m./rai
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
1	Rice(High Yield Variety)	100	86	5.2	1.30	8.3	710	1137
2	Rice(Khao Dawk Mali 105)	100	86	5.2	1.14	7.4	639	1022
3	Rice (Basmati)	100	86	5.2	1.29	8.2	706	1129
4	Wheat	100	86	5.2	0.71	3.7	318	508
5	Maize	100	86	5.2	0.80	4.2	358	572
6	Sweet corn	75	68	5.2	0.79	4.1	279	447
7	Sorghum	110	96	5.2	0.79	4.1	394	631
8	Soybean	100	86	5.2	0.85	4.4	380	608
9	Ground nut	105	91	5.2	0.80	4.2	379	606
10	Mungbean	70	63	5.2	0.67	3.5	219	351
11	Sesame	90	76	5.2	0.76	4.0	300	481
12	Tobacco	90	83	5.2	0.94	4.9	406	649
13	Sunflower	110	96	5.2	0.80	4.2	399	639
14	Watermelon	85	78	5.2	1.05	5.5	426	681
15	Cotton	160	130	5.2	0.71	3.7	480	768
16	Sugarcane	300	270	5.2	0.71	3.7	997	1595
17	Castor bean	230	200	5.2	0.73	3.8	759	1215
18	Taro	170	156	5.2	1.48	7.7	1201	1921
19	Asparagus	365	365	5.2	0.82	4.3	1556	2490
20	Tomato	110	96	5.2	1.01	5.3	504	807
21	Onion	100	86	5.2	0.90	4.7	402	644
22	Shallot	85	71	5.2	0.84	4.4	310	496
23	Garlic	110	96	5.2	0.55	2.9	275	439
24	Potato	95	81	5.2	0.89	4.6	375	600

Crop Water Requirement in Central Region(cont.)

Nonthaburi

No	Name	Age of plant (day)	Days of Irrigated (day)	Average Evapo. (mm.)	ET/E (k'p)	ET/day (mm.)	Total Crop Water Requirement	
							mm.	cu.m./rai
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
25	Bird peper	150	120	5.2	0.79	4.1	493	789
26	Bitter gourd	75	68	5.2	0.94	4.9	332	532
27	Cauliflower	45	45	5.2	0.86	4.5	201	322
28	Chinese kale	55	55	5.2	0.59	3.1	169	270
29	Yard long bean	80	73	5.2	0.77	4.0	292	468
30	Sugar pea	85	78	5.2	0.76	4.0	308	493
31	Winged bean	135	105	5.2	0.74	3.8	404	646
32	Chinese white cabbage	45	45	5.2	0.59	3.1	138	221
33	Celery cabbage	60	60	5.2	0.64	3.3	200	319
34	Chinese radish	45	45	5.2	0.81	4.2	190	303
35	Baby corn	65	58	5.2	0.97	5.0	293	468
36	Sweet potato	125	95	5.2	0.96	5.0	474	759

Remarks 1. No 1,2,3,column 7 have added infiltration rate =1.5 mm./day already

2. Depth of water for soaking in paddy field = 200-300 mm.

3. Depth of water for land preparation in field crop = 60-90 mm.

Crop Water Requirement in Central Region

Nakhon Pathom

No	Name	Age of plant (day)	Days of Irrigated (day)	Average Evapo. (mm.)	ET/E (k'p)	ET/day (mm.)	Total Crop Water Requirement	
							mm.	cu.m./rai
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
1	Rice(High Yield Variety)	100	86	5.4	1.30	8.5	733	1172
2	Rice(Khao Dawk Mali 105)	100	86	5.4	1.14	7.7	658	1053
3	Rice (Basmati)	100	86	5.4	1.29	8.5	728	1165
4	Wheat	100	86	5.4	0.71	3.8	330	528
5	Maize	100	86	5.4	0.80	4.3	372	594
6	Sweet corn	75	68	5.4	0.79	4.3	290	464
7	Sorghum	110	96	5.4	0.79	4.3	410	655
8	Soybean	100	86	5.4	0.85	4.6	395	632
9	Ground nut	105	91	5.4	0.80	4.3	393	629
10	Mungbean	70	63	5.4	0.67	3.6	228	365
11	Sesame	90	76	5.4	0.76	4.1	312	499
12	Tobacco	90	83	5.4	0.94	5.1	421	674
13	Sunflower	110	96	5.4	0.80	4.3	415	664
14	Watermelon	85	78	5.4	1.05	5.7	442	708
15	Cotton	160	130	5.4	0.71	3.8	498	797
16	Sugarcane	300	270	5.4	0.71	3.8	1035	1656
17	Castor bean	230	200	5.4	0.73	3.9	788	1261
18	Taro	170	156	5.4	1.48	8.0	1247	1995
19	Asparagus	365	365	5.4	0.82	4.4	1616	2586
20	Tomato	110	96	5.4	1.01	5.5	524	838
21	Onion	100	86	5.4	0.90	4.9	418	669
22	Shallot	85	71	5.4	0.84	4.5	322	515
23	Garlic	110	96	5.4	0.55	3.0	285	456
24	Potato	95	81	5.4	0.89	4.8	389	623

Crop Water Requirement in Central Region(cont.)

Nakhon Pathom

No	Name	Age of plant (day)	Days of Irrigated (day)	Average Evapo. (mm.)	ET/E (k'p)	ET/day (mm.)	Total Crop Water Requirement	
							mm.	cu.m./rai
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
25	Bird peper	150	120	5.4	0.79	4.3	512	819
26	Bitter gourd	75	68	5.4	0.94	5.1	345	552
27	Cauliflower	45	45	5.4	0.86	4.6	209	334
28	Chinese kale	55	55	5.4	0.59	3.2	175	280
29	Yard long bean	80	73	5.4	0.77	4.2	304	486
30	Sugar pea	85	78	5.4	0.76	4.1	320	512
31	Winged bean	135	105	5.4	0.74	4.0	420	671
32	Chinese white cabbage	45	45	5.4	0.59	3.2	143	229
33	Celery cabbage	60	60	5.4	0.64	3.5	207	332
34	Chinese radish	45	45	5.4	0.81	4.4	197	315
35	Baby corn	65	58	5.4	0.97	5.2	304	486
36	Sweet potato	125	95	5.4	0.96	5.2	492	788

Remarks 1. No 1,2,3,column 7 have added infiltration rate =1.5 mm./day already

2. Depth of water for soaking in paddy field = 200-300 mm.

3. Depth of water for land preparation in field crop = 60-90 mm.

Crop Water Requirement in Central Region

Ratchaburi

No	Name	Age of plant (day)	Days of Irrigated (day)	Average Evapo. (mm.)	ET/E (k'p)	ET/day (mm.)	Total Crop Water Requirement	
							mm.	cu.m./rai
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
1	Rice(High Yield Variety)	100	86	5.1	1.30	8.1	699	1119
2	Rice(Khao Dawk Mali 105)	100	86	5.1	1.14	7.3	629	1006
3	Rice (Basmati)	100	86	5.1	1.29	8.1	695	1112
4	Wheat	100	86	5.1	0.71	3.6	311	498
5	Maize	100	86	5.1	0.80	4.1	351	561
6	Sweet corn	75	68	5.1	0.79	4.0	274	438
7	Sorghum	110	96	5.1	0.79	4.0	387	619
8	Soybean	100	86	5.1	0.85	4.3	373	596
9	Ground nut	105	91	5.1	0.80	4.1	371	594
10	Mungbean	70	63	5.1	0.67	3.4	215	344
11	Sesame	90	76	5.1	0.76	3.9	295	471
12	Tobacco	90	83	5.1	0.94	4.8	398	637
13	Sunflower	110	96	5.1	0.80	4.1	392	627
14	Watermelon	85	78	5.1	1.05	5.4	418	668
15	Cotton	160	130	5.1	0.71	3.6	471	753
16	Sugarcane	300	270	5.1	0.71	3.6	978	1564
17	Castor bean	230	200	5.1	0.73	3.7	745	1191
18	Taro	170	156	5.1	1.48	7.5	1177	1884
19	Asparagus	365	365	5.1	0.82	4.2	1526	2442
20	Tomato	110	96	5.1	1.01	5.2	494	791
21	Onion	100	86	5.1	0.90	4.6	395	632
22	Shallot	85	71	5.1	0.84	4.3	304	487
23	Garlic	110	96	5.1	0.55	2.8	269	431
24	Potato	95	81	5.1	0.89	4.5	368	588

Crop Water Requirement in Central Region(cont.)

Ratchaburi

No	Name	Age of plant (day)	Days of Irrigated (day)	Average Evapo. (mm.)	ET/E (k'p)	ET/day (mm.)	Total Crop Water Requirement	
							mm.	cu.m./rai
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
25	Bird peper	150	120	5.1	0.79	4.0	483	774
26	Bitter gourd	75	68	5.1	0.94	4.8	326	522
27	Cauliflower	45	45	5.1	0.86	4.4	197	316
28	Chinese kale	55	55	5.1	0.59	3.0	165	265
29	Yard long bean	80	73	5.1	0.77	3.9	287	459
30	Sugar pea	85	78	5.1	0.76	3.9	302	484
31	Winged bean	135	105	5.1	0.74	3.8	396	634
32	Chinese white cabbage	45	45	5.1	0.59	3.0	135	217
33	Celery cabbage	60	60	5.1	0.64	3.3	196	313
34	Chinese radish	45	45	5.1	0.81	4.1	186	297
35	Baby corn	65	58	5.1	0.97	4.9	287	459
36	Sweet potato	125	95	5.1	0.96	4.9	465	744

Remarks 1. No 1,2,3,column 7 have added infiltration rate =1.5 mm./day already

2. Depth of water for soaking in paddy field = 200-300 mm.

3. Depth of water for land preparation in field crop = 60-90 mm.

Crop Water Requirement in Central Region

Kanchanaburi

No	Name	Age of plant (day)	Days of Irrigated (day)	Average Evapo. (mm.)	ET/E (k'p)	ET/day (mm.)	Total Crop Water Requirement	
							mm.	cu.m./rai
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
1	Rice(High Yield Variety)	100	86	5.8	1.30	9.0	777	1244
2	Rice(Khao Dawk Mali 105)	100	86	5.8	1.14	8.1	698	1116
3	Rice (Basmati)	100	86	5.8	1.29	9.0	772	1236
4	Wheat	100	86	5.8	0.71	4.1	354	567
5	Maize	100	86	5.8	0.80	4.6	399	638
6	Sweet corn	75	68	5.8	0.79	4.6	312	499
7	Sorghum	110	96	5.8	0.79	4.6	440	704
8	Soybean	100	86	5.8	0.85	4.9	424	678
9	Ground nut	105	91	5.8	0.80	4.6	422	676
10	Mungbean	70	63	5.8	0.67	3.9	245	392
11	Sesame	90	76	5.8	0.76	4.4	335	536
12	Tobacco	90	83	5.8	0.94	5.5	453	724
13	Sunflower	110	96	5.8	0.80	4.6	445	713
14	Watermelon	85	78	5.8	1.05	6.1	475	760
15	Cotton	160	130	5.8	0.71	4.1	535	857
16	Sugarcane	300	270	5.8	0.71	4.1	1112	1779
17	Castor bean	230	200	5.8	0.73	4.2	847	1355
18	Taro	170	156	5.8	1.48	8.6	1339	2143
19	Asparagus	365	365	5.8	0.82	4.8	1736	2778
20	Tomato	110	96	5.8	1.01	5.9	562	900
21	Onion	100	86	5.8	0.90	5.2	449	718
22	Shallot	85	71	5.8	0.84	4.9	346	553
23	Garlic	110	96	5.8	0.55	3.2	306	490
24	Potato	95	81	5.8	0.89	5.2	418	669

Crop Water Requirement in Central Region(cont.)

Kanchanaburi

No	Name	Age of plant (day)	Days of Irrigated (day)	Average Evapo. (mm.)	ET/E (k'p)	ET/day (mm.)	Total Crop Water Requirement	
							mm.	cu.m./rai
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
25	Bird peper	150	120	5.8	0.79	4.6	550	880
26	Bitter gourd	75	68	5.8	0.94	5.5	371	593
27	Cauliflower	45	45	5.8	0.86	5.0	224	359
28	Chinese kale	55	55	5.8	0.59	3.4	188	301
29	Yard long bean	80	73	5.8	0.77	4.5	326	522
30	Sugar pea	85	78	5.8	0.76	4.4	344	550
31	Winged bean	135	105	5.8	0.74	4.3	451	721
32	Chinese white cabbage	45	45	5.8	0.59	3.4	154	246
33	Celery cabbage	60	60	5.8	0.64	3.7	223	356
34	Chinese radish	45	45	5.8	0.81	4.7	211	338
35	Baby corn	65	58	5.8	0.97	5.6	326	522
36	Sweet potato	125	95	5.8	0.96	5.6	529	846

Remarks 1. No 1,2,3,column 7 have added infiltration rate =1.5 mm./day already

2. Depth of water for soaking in paddy field = 200-300 mm.

3. Depth of water for land preparation in field crop = 60-90 mm.

Crop Water Requirement in Central Region

Phetchaburi

No	Name	Age of plant (day)	Days of Irrigated (day)	Average Evapo. (mm.)	ET/E (k'p)	ET/day (mm.)	Total Crop Water Requirement	
							mm.	cu.m./rai
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
1	Rice(High Yield Variety)	100	86	4.9	1.30	7.9	677	1083
2	Rice(Khao Dawk Mali 105)	100	86	4.9	1.14	7.1	609	975
3	Rice (Basmati)	100	86	4.9	1.29	7.8	673	1076
4	Wheat	100	86	4.9	0.71	3.5	299	479
5	Maize	100	86	4.9	0.80	3.9	337	539
6	Sweet corn	75	68	4.9	0.79	3.9	263	421
7	Sorghum	110	96	4.9	0.79	3.9	372	595
8	Soybean	100	86	4.9	0.85	4.2	358	573
9	Ground nut	105	91	4.9	0.80	3.9	357	571
10	Mungbean	70	63	4.9	0.67	3.3	207	331
11	Sesame	90	76	4.9	0.76	3.7	283	453
12	Tobacco	90	83	4.9	0.94	4.6	382	612
13	Sunflower	110	96	4.9	0.80	3.9	376	602
14	Watermelon	85	78	4.9	1.05	5.1	401	642
15	Cotton	160	130	4.9	0.71	3.5	452	724
16	Sugarcane	300	270	4.9	0.71	3.5	939	1503
17	Castor bean	230	200	4.9	0.73	3.6	715	1145
18	Taro	170	156	4.9	1.48	7.3	1131	1810
19	Asparagus	365	365	4.9	0.82	4.0	1467	2347
20	Tomato	110	96	4.9	1.01	4.9	475	760
21	Onion	100	86	4.9	0.90	4.4	379	607
22	Shallot	85	71	4.9	0.84	4.1	292	468
23	Garlic	110	96	4.9	0.55	2.7	259	414
24	Potato	95	81	4.9	0.89	4.4	353	565

Crop Water Requirement in Central Region(cont.)

Phetchaburi

No	Name	Age of plant (day)	Days of Irrigated (day)	Average Evapo. (mm.)	ET/E (k'p)	ET/day (mm.)	Total Crop Water Requirement	
							mm.	cu.m./rai
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
25	Bird peper	150	120	4.9	0.79	3.9	465	743
26	Bitter gourd	75	68	4.9	0.94	4.6	313	501
27	Cauliflower	45	45	4.9	0.86	4.2	190	303
28	Chinese kale	55	55	4.9	0.59	2.9	159	254
29	Yard long bean	80	73	4.9	0.77	3.8	275	441
30	Sugar pea	85	78	4.9	0.76	3.7	290	465
31	Winged bean	135	105	4.9	0.74	3.6	381	609
32	Chinese white cabbage	45	45	4.9	0.59	2.9	130	208
33	Celery cabbage	60	60	4.9	0.64	3.1	188	301
34	Chinese radish	45	45	4.9	0.81	4.0	179	286
35	Baby corn	65	58	4.9	0.97	4.8	276	441
36	Sweet potato	125	95	4.9	0.96	4.7	447	715

Remarks 1. No 1,2,3,column 7 have added infiltration rate =1.5 mm./day already

2. Depth of water for soaking in paddy field = 200-300 mm.

3. Depth of water for land preparation in field crop = 60-90 mm.

Crop Water Requirement in Central Region

Prachuap Khiri Khan

No	Name	Age of plant (day)	Days of Irrigated (day)	Average Evapo. (mm.)	ET/E (k'p)	ET/day (mm.)	Total Crop Water Requirement	
							mm.	cu.m./rai
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
1	Rice(High Yield Variety)	100	86	5.1	1.30	8.1	699	1119
2	Rice(Khao Dawk Mali 105)	100	86	5.1	1.14	7.3	629	1006
3	Rice (Basmati)	100	86	5.1	1.29	8.1	695	1112
4	Wheat	100	86	5.1	0.71	3.6	311	498
5	Maize	100	86	5.1	0.80	4.1	351	561
6	Sweet corn	75	68	5.1	0.79	4.0	274	438
7	Sorghum	110	96	5.1	0.79	4.0	387	619
8	Soybean	100	86	5.1	0.85	4.3	373	596
9	Ground nut	105	91	5.1	0.80	4.1	371	594
10	Mungbean	70	63	5.1	0.67	3.4	215	344
11	Sesame	90	76	5.1	0.76	3.9	295	471
12	Tobacco	90	83	5.1	0.94	4.8	398	637
13	Sunflower	110	96	5.1	0.80	4.1	392	627
14	Watermelon	85	78	5.1	1.05	5.4	418	668
15	Cotton	160	130	5.1	0.71	3.6	471	753
16	Sugarcane	300	270	5.1	0.71	3.6	978	1564
17	Castor bean	230	200	5.1	0.73	3.7	745	1191
18	Taro	170	156	5.1	1.48	7.5	1177	1884
19	Asparagus	365	365	5.1	0.82	4.2	1526	2442
20	Tomato	110	96	5.1	1.01	5.2	494	791
21	Onion	100	86	5.1	0.90	4.6	395	632
22	Shallot	85	71	5.1	0.84	4.3	304	487
23	Garlic	110	96	5.1	0.55	2.8	269	431
24	Potato	95	81	5.1	0.89	4.5	368	588

Crop Water Requirement in Central Region(cont.)

Prachuap Khiri Khan

No	Name	Age of plant (day)	Days of Irrigated (day)	Average Evapo. (mm.)	ET/E (k'p)	ET/day (mm.)	Total Crop Water Requirement	
							mm.	cu.m./rai
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
25	Bird peper	150	120	5.1	0.79	4.0	483	774
26	Bitter gourd	75	68	5.1	0.94	4.8	326	522
27	Cauliflower	45	45	5.1	0.86	4.4	197	316
28	Chinese kale	55	55	5.1	0.59	3.0	165	265
29	Yard long bean	80	73	5.1	0.77	3.9	287	459
30	Sugar pea	85	78	5.1	0.76	3.9	302	484
31	Winged bean	135	105	5.1	0.74	3.8	396	634
32	Chinese white cabbage	45	45	5.1	0.59	3.0	135	217
33	Celery cabbage	60	60	5.1	0.64	3.3	196	313
34	Chinese radish	45	45	5.1	0.81	4.1	186	297
35	Baby corn	65	58	5.1	0.97	4.9	287	459
36	Sweet potato	125	95	5.1	0.96	4.9	465	744

Remarks 1. No 1,2,3,column 7 have added infiltration rate =1.5 mm./day already

2. Depth of water for soaking in paddy field = 200-300 mm.

3. Depth of water for land preparation in field crop = 60-90 mm.

Crop Water Requirement in East Region

No	Name	Age of plant (day)	Days of Irrigated (day)	Average Evapo. (mm.)	ET/E (k'p)	ET/day (mm.)	Total Crop Water Requirement	
							mm.	cu.m./rai
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
1	Rice(High Yield Variety)	100	86	4.9	1.30	7.9	677	1083
2	Rice(Khao Dawk Mali 105)	100	86	4.9	1.14	7.1	609	975
3	Rice (Basmati)	100	86	4.9	1.29	7.8	673	1076
4	Wheat	100	86	4.9	0.71	3.5	299	479
5	Maize	100	86	4.9	0.80	3.9	337	539
6	Sweet corn	75	68	4.9	0.79	3.9	263	421
7	Sorghum	110	96	4.9	0.79	3.9	372	595
8	Soybean	100	86	4.9	0.85	4.2	358	573
9	Ground nut	105	91	4.9	0.80	3.9	357	571
10	Mungbean	70	63	4.9	0.67	3.3	207	331
11	Sesame	90	76	4.9	0.76	3.7	283	453
12	Tobacco	90	83	4.9	0.94	4.6	382	612
13	Sunflower	110	96	4.9	0.80	3.9	376	602
14	Watermelon	85	78	4.9	1.05	5.1	401	642
15	Cotton	160	130	4.9	0.71	3.5	452	724
16	Sugarcane	300	270	4.9	0.71	3.5	939	1503
17	Castor bean	230	200	4.9	0.73	3.6	715	1145
18	Taro	170	156	4.9	1.48	7.3	1131	1810
19	Asparagus	365	365	4.9	0.82	4.0	1467	2347
20	Tomato	110	96	4.9	1.01	4.9	475	760
21	Onion	100	86	4.9	0.90	4.4	379	607
22	Shallot	85	71	4.9	0.84	4.1	292	468
23	Garlic	110	96	4.9	0.55	2.7	259	414
24	Potato	95	81	4.9	0.89	4.4	353	565

Crop Water Requirement in East Region(cont.)

No	Name	Age of plant (day)	Days of Irrigated (day)	Average Evapo. (mm.)	ET/E (k'p)	ET/day (mm.)	Total Crop Water Requirement	
							mm.	cu.m./rai
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
25	Bird peper	150	120	4.9	0.79	3.9	465	743
26	Bitter gourd	75	68	4.9	0.94	4.6	313	501
27	Cauliflower	45	45	4.9	0.86	4.2	190	303
28	Chinese kale	55	55	4.9	0.59	2.9	159	254
29	Yard long bean	80	73	4.9	0.77	3.8	275	441
30	Sugar pea	85	78	4.9	0.76	3.7	290	465
31	Winged bean	135	105	4.9	0.74	3.6	381	609
32	Chinese white cabbage	45	45	4.9	0.59	2.9	130	208
33	Celery cabbage	60	60	4.9	0.64	3.1	188	301
34	Chinese radish	45	45	4.9	0.81	4.0	179	286
35	Baby corn	65	58	4.9	0.97	4.8	276	441
36	Sweet potato	125	95	4.9	0.96	4.7	447	715
37	Longan (Young)	365	365	4.9	0.76	3.7	1359	2175
38	Pomelo (Young)	365	365	4.9	1.38	6.8	2468	3949
39	Mango (Young)	365	365	4.9	1.55	7.6	2772	4435

Remarks 1. No 1,2,3,column 7 have added infiltration rate =1.5 mm./day already

2. Depth of water for soaking in paddy field = 200-300 mm.

3. Depth of water for land preparation in field crop = 60-90 mm.

Crop Water Requirement in East Region
Chanthaburi

No	Name	Age of plant (day)	Days of Irrigated (day)	Average Evapo. (mm.)	ET/E (k'p)	ET/day (mm.)	Total Crop Water Requirement	
							mm.	cu.m./rai
							(8)	(9)
1	Rice(High Yield Variety)	100	86	4.7	1.30	7.6	654	1047
2	Rice(Khao Dawk Mali 105)	100	86	4.7	1.14	6.9	590	944
3	Rice (Basmati)	100	86	4.7	1.29	7.6	650	1041
4	Wheat	100	86	4.7	0.71	3.3	287	459
5	Maize	100	86	4.7	0.80	3.8	323	517
6	Sweet corn	75	68	4.7	0.79	3.7	252	404
7	Sorghum	110	96	4.7	0.79	3.7	356	570
8	Soybean	100	86	4.7	0.85	4.0	344	550
9	Ground nut	105	91	4.7	0.80	3.8	342	547
10	Mungbean	70	63	4.7	0.67	3.1	198	317
11	Sesame	90	76	4.7	0.76	3.6	271	434
12	Tobacco	90	83	4.7	0.94	4.4	367	587
13	Sunflower	110	96	4.7	0.80	3.8	361	578
14	Watermelon	85	78	4.7	1.05	4.9	385	616
15	Cotton	160	130	4.7	0.71	3.3	434	694
16	Sugarcane	300	270	4.7	0.71	3.3	901	1442
17	Castor bean	230	200	4.7	0.73	3.4	686	1098
18	Taro	170	156	4.7	1.48	7.0	1085	1736
19	Asparagus	365	365	4.7	0.82	3.9	1407	2251
20	Tomato	110	96	4.7	1.01	4.7	456	729
21	Onion	100	86	4.7	0.90	4.2	364	582
22	Shallot	85	71	4.7	0.84	3.9	280	448
23	Garlic	110	96	4.7	0.55	2.6	248	397
24	Potato	95	81	4.7	0.89	4.2	339	542

Crop Water Requirement in East Region(cont.)
Chanthaburi

No	Name	Age of plant (day)	Days of Irrigated (day)	Average Evapo. (mm.)	ET/E (k'p)	ET/day (mm.)	Total Crop Water Requirement	
							mm.	cu.m./rai
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
25	Bird peper	150	120	4.7	0.79	3.7	446	713
26	Bitter gourd	75	68	4.7	0.94	4.4	300	481
27	Cauliflower	45	45	4.7	0.86	4.0	182	291
28	Chinese kale	55	55	4.7	0.59	2.8	153	244
29	Yard long bean	80	73	4.7	0.77	3.6	264	423
30	Sugar pea	85	78	4.7	0.76	3.6	279	446
31	Winged bean	135	105	4.7	0.74	3.5	365	584
32	Chinese white cabbage	45	45	4.7	0.59	2.8	125	200
33	Celery cabbage	60	60	4.7	0.64	3.0	180	289
34	Chinese radish	45	45	4.7	0.81	3.8	171	274
35	Baby corn	65	58	4.7	0.97	4.6	264	423
36	Sweet potato	125	95	4.7	0.96	4.5	429	686
37	Longan (Young)	365	365	4.7	0.76	3.6	1304	2086
38	Pomelo (Young)	365	365	4.7	1.38	6.5	2367	3788
39	Mango (Young)	365	365	4.7	1.55	7.3	2659	4254

Remarks 1. No 1,2,3,column 7 have added infiltration rate =1.5 mm./day already

2. Depth of water for soaking in paddy field = 200-300 mm.

3. Depth of water for land preparation in field crop = 60-90 mm.

Crop Water Requirement in East Region
Chachoengsao

No	Name	Age of plant (day)	Days of Irrigated (day)	Average Evapo. (mm.)	ET/E (k'p)	ET/day (mm.)	Total Crop Water Requirement	
							mm.	cu.m./rai
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
1	Rice(High Yield Variety)	100	86	4.8	1.30	7.7	666	1065
2	Rice(Khao Dawk Mali 105)	100	86	4.8	1.14	7.0	600	959
3	Rice (Basmati)	100	86	4.8	1.29	7.7	662	1058
4	Wheat	100	86	4.8	0.71	3.4	293	469
5	Maize	100	86	4.8	0.80	3.8	330	528
6	Sweet corn	75	68	4.8	0.79	3.8	258	413
7	Sorghum	110	96	4.8	0.79	3.8	364	582
8	Soybean	100	86	4.8	0.85	4.1	351	561
9	Ground nut	105	91	4.8	0.80	3.8	349	559
10	Mungbean	70	63	4.8	0.67	3.2	203	324
11	Sesame	90	76	4.8	0.76	3.6	277	444
12	Tobacco	90	83	4.8	0.94	4.5	374	599
13	Sunflower	110	96	4.8	0.80	3.8	369	590
14	Watermelon	85	78	4.8	1.05	5.0	393	629
15	Cotton	160	130	4.8	0.71	3.4	443	709
16	Sugarcane	300	270	4.8	0.71	3.4	920	1472
17	Castor bean	230	200	4.8	0.73	3.5	701	1121
18	Taro	170	156	4.8	1.48	7.1	1108	1773
19	Asparagus	365	365	4.8	0.82	3.9	1437	2299
20	Tomato	110	96	4.8	1.01	4.8	465	745
21	Onion	100	86	4.8	0.90	4.3	372	594
22	Shallot	85	71	4.8	0.84	4.0	286	458
23	Garlic	110	96	4.8	0.55	2.6	253	406
24	Potato	95	81	4.8	0.89	4.3	346	554

Crop Water Requirement in East Region(cont.)

Chachoengsao

No	Name	Age of plant (day)	Days of Irrigated (day)	Average Evapo. (mm.)	ET/E (k'p)	ET/day (mm.)	Total Crop Water Requirement	
							mm.	cu.m./rai
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
25	Bird peper	150	120	4.8	0.79	3.8	455	728
26	Bitter gourd	75	68	4.8	0.94	4.5	307	491
27	Cauliflower	45	45	4.8	0.86	4.1	186	297
28	Chinese kale	55	55	4.8	0.59	2.8	156	249
29	Yard long bean	80	73	4.8	0.77	3.7	270	432
30	Sugar pea	85	78	4.8	0.76	3.6	285	455
31	Winged bean	135	105	4.8	0.74	3.6	373	597
32	Chinese white cabbage	45	45	4.8	0.59	2.8	127	204
33	Celery cabbage	60	60	4.8	0.64	3.1	184	295
34	Chinese radish	45	45	4.8	0.81	3.9	175	280
35	Baby corn	65	58	4.8	0.97	4.7	270	432
36	Sweet potato	125	95	4.8	0.96	4.6	438	700
37	Longan (Young)	365	365	4.8	0.76	3.6	1332	2130
38	Pomelo (Young)	365	365	4.8	1.38	6.6	2418	3868
39	Mango (Young)	365	365	4.8	1.55	7.4	2716	4345

Remarks 1. No 1,2,3,column 7 have added infiltration rate =1.5 mm./day already

2. Depth of water for soaking in paddy field = 200-300 mm.

3. Depth of water for land preparation in field crop = 60-90 mm.

Crop Water Requirement in East Region

Chon Buri

No	Name	Age of plant (day)	Days of Irrigated (day)	Average Evapo. (mm.)	ET/E (k'p)	ET/day (mm.)	Total Crop Water Requirement	
							mm.	cu.m./rai
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
1	Rice(High Yield Variety)	100	86	4.9	1.30	7.9	677	1083
2	Rice(Khao Dawk Mali 105)	100	86	4.9	1.14	7.1	609	975
3	Rice (Basmati)	100	86	4.9	1.29	7.8	673	1076
4	Wheat	100	86	4.9	0.71	3.5	299	479
5	Maize	100	86	4.9	0.80	3.9	337	539
6	Sweet corn	75	68	4.9	0.79	3.9	263	421
7	Sorghum	110	96	4.9	0.79	3.9	372	595
8	Soybean	100	86	4.9	0.85	4.2	358	573
9	Ground nut	105	91	4.9	0.80	3.9	357	571
10	Mungbean	70	63	4.9	0.67	3.3	207	331
11	Sesame	90	76	4.9	0.76	3.7	283	453
12	Tobacco	90	83	4.9	0.94	4.6	382	612
13	Sunflower	110	96	4.9	0.80	3.9	376	602
14	Watermelon	85	78	4.9	1.05	5.1	401	642
15	Cotton	160	130	4.9	0.71	3.5	452	724
16	Sugarcane	300	270	4.9	0.71	3.5	939	1503
17	Castor bean	230	200	4.9	0.73	3.6	715	1145
18	Taro	170	156	4.9	1.48	7.3	1131	1810
19	Asparagus	365	365	4.9	0.82	4.0	1467	2347
20	Tomato	110	96	4.9	1.01	4.9	475	760
21	Onion	100	86	4.9	0.90	4.4	379	607
22	Shallot	85	71	4.9	0.84	4.1	292	468
23	Garlic	110	96	4.9	0.55	2.7	259	414
24	Potato	95	81	4.9	0.89	4.4	353	565

Crop Water Requirement in East Region(cont.)

Chon Buri

No	Name	Age of plant (day)	Days of Irrigated (day)	Average Evapo. (mm.)	ET/E (k'p)	ET/day (mm.)	Total Crop Water Requirement	
							mm.	cu.m./rai
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
25	Bird peper	150	120	4.9	0.79	3.9	465	743
26	Bitter gourd	75	68	4.9	0.94	4.6	313	501
27	Cauliflower	45	45	4.9	0.86	4.2	190	303
28	Chinese kale	55	55	4.9	0.59	2.9	159	254
29	Yard long bean	80	73	4.9	0.77	3.8	275	441
30	Sugar pea	85	78	4.9	0.76	3.7	290	465
31	Winged bean	135	105	4.9	0.74	3.6	381	609
32	Chinese white cabbage	45	45	4.9	0.59	2.9	130	208
33	Celery cabbage	60	60	4.9	0.64	3.1	188	301
34	Chinese radish	45	45	4.9	0.81	4.0	179	286
35	Baby corn	65	58	4.9	0.97	4.8	276	441
36	Sweet potato	125	95	4.9	0.96	4.7	447	715
37	Longan (Young)	365	365	4.9	0.76	3.7	1359	2175
38	Pomelo (Young)	365	365	4.9	1.38	6.8	2468	3949
39	Mango (Young)	365	365	4.9	1.55	7.6	2772	4435

Remarks 1. No 1,2,3,column 7 have added infiltration rate =1.5 mm./day already

2. Depth of water for soaking in paddy field = 200-300 mm.

3. Depth of water for land preparation in field crop = 60-90 mm.

Crop Water Requirement in East Region

Trat

No	Name	Age of plant (day)	Days of Irrigated (day)	Average Evapo. (mm.)	ET/E (k'p)	ET/day (mm.)	Total Crop Water Requirement	
							mm.	cu.m./rai
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
1	Rice(High Yield Variety)	100	86	5.0	1.30	8.0	688	1101
2	Rice(Khao Dawk Mali 105)	100	86	5.0	1.14	7.2	619	991
3	Rice (Basmati)	100	86	5.0	1.29	8.0	684	1094
4	Wheat	100	86	5.0	0.71	3.6	305	488
5	Maize	100	86	5.0	0.80	4.0	344	550
6	Sweet corn	75	68	5.0	0.79	4.0	269	430
7	Sorghum	110	96	5.0	0.79	4.0	379	607
8	Soybean	100	86	5.0	0.85	4.3	366	585
9	Ground nut	105	91	5.0	0.80	4.0	364	582
10	Mungbean	70	63	5.0	0.67	3.4	211	338
11	Sesame	90	76	5.0	0.76	3.8	289	462
12	Tobacco	90	83	5.0	0.94	4.7	390	624
13	Sunflower	110	96	5.0	0.80	4.0	384	614
14	Watermelon	85	78	5.0	1.05	5.3	410	655
15	Cotton	160	130	5.0	0.71	3.6	462	738
16	Sugarcane	300	270	5.0	0.71	3.6	959	1534
17	Castor bean	230	200	5.0	0.73	3.7	730	1168
18	Taro	170	156	5.0	1.48	7.4	1154	1847
19	Asparagus	365	365	5.0	0.82	4.1	1497	2394
20	Tomato	110	96	5.0	1.01	5.1	485	776
21	Onion	100	86	5.0	0.90	4.5	387	619
22	Shallot	85	71	5.0	0.84	4.2	298	477
23	Garlic	110	96	5.0	0.55	2.8	264	422
24	Potato	95	81	5.0	0.89	4.5	360	577

Crop Water Requirement in East Region(cont.)

Trat

No	Name	Age of plant (day)	Days of Irrigated (day)	Average Evapo. (mm.)	ET/E (k'p)	ET/day (mm.)	Total Crop Water Requirement	
							mm.	cu.m./rai
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
25	Bird peper	150	120	5.0	0.79	4.0	474	758
26	Bitter gourd	75	68	5.0	0.94	4.7	320	511
27	Cauliflower	45	45	5.0	0.86	4.3	194	310
28	Chinese kale	55	55	5.0	0.59	3.0	162	260
29	Yard long bean	80	73	5.0	0.77	3.9	281	450
30	Sugar pea	85	78	5.0	0.76	3.8	296	474
31	Winged bean	135	105	5.0	0.74	3.7	389	622
32	Chinese white cabbage	45	45	5.0	0.59	3.0	133	212
33	Celery cabbage	60	60	5.0	0.64	3.2	192	307
34	Chinese radish	45	45	5.0	0.81	4.1	182	292
35	Baby corn	65	58	5.0	0.97	4.9	281	450
36	Sweet potato	125	95	5.0	0.96	4.8	456	730
37	Longan (Young)	365	365	5.0	0.76	3.8	1387	2219
38	Pomelo (Young)	365	365	5.0	1.38	6.9	2519	4030
39	Mango (Young)	365	365	5.0	1.55	7.8	2829	4526

Remarks 1. No 1,2,3,column 7 have added infiltration rate =1.5 mm./day already

2. Depth of water for soaking in paddy field = 200-300 mm.

3. Depth of water for land preparation in field crop = 60-90 mm.

Crop Water Requirement in East Region

Nakhon Nayok

No	Name	Age of plant (day)	Days of Irrigated (day)	Average Evapo. (mm.)	ET/E (k'p)	ET/day (mm.)	Total Crop Water Requirement	
							mm.	cu.m./rai
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
1	Rice(High Yield Variety)	100	86	4.5	1.30	7.4	632	1011
2	Rice(Khao Dawk Mali 105)	100	86	4.5	1.14	6.6	570	912
3	Rice (Basmati)	100	86	4.5	1.29	7.3	628	1005
4	Wheat	100	86	4.5	0.71	3.2	275	440
5	Maize	100	86	4.5	0.80	3.6	310	495
6	Sweet corn	75	68	4.5	0.79	3.6	242	387
7	Sorghum	110	96	4.5	0.79	3.6	341	546
8	Soybean	100	86	4.5	0.85	3.8	329	526
9	Ground nut	105	91	4.5	0.80	3.6	328	524
10	Mungbean	70	63	4.5	0.67	3.0	190	304
11	Sesame	90	76	4.5	0.76	3.4	260	416
12	Tobacco	90	83	4.5	0.94	4.2	351	562
13	Sunflower	110	96	4.5	0.80	3.6	346	553
14	Watermelon	85	78	4.5	1.05	4.7	369	590
15	Cotton	160	130	4.5	0.71	3.2	415	665
16	Sugarcane	300	270	4.5	0.71	3.2	863	1380
17	Castor bean	230	200	4.5	0.73	3.3	657	1051
18	Taro	170	156	4.5	1.48	6.7	1039	1662
19	Asparagus	365	365	4.5	0.82	3.7	1347	2155
20	Tomato	110	96	4.5	1.01	4.5	436	698
21	Onion	100	86	4.5	0.90	4.1	348	557
22	Shallot	85	71	4.5	0.84	3.8	268	429
23	Garlic	110	96	4.5	0.55	2.5	238	380
24	Potato	95	81	4.5	0.89	4.0	324	519

Crop Water Requirement in East Region(cont.)

Nakhon Nayok

No	Name	Age of plant (day)	Days of Irrigated (day)	Average Evapo. (mm.)	ET/E (k'p)	ET/day (mm.)	Total Crop Water Requirement	
							mm.	cu.m./rai
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
25	Bird peper	150	120	4.5	0.79	3.6	427	683
26	Bitter gourd	75	68	4.5	0.94	4.2	288	460
27	Cauliflower	45	45	4.5	0.86	3.9	174	279
28	Chinese kale	55	55	4.5	0.59	2.7	146	234
29	Yard long bean	80	73	4.5	0.77	3.5	253	405
30	Sugar pea	85	78	4.5	0.76	3.4	267	427
31	Winged bean	135	105	4.5	0.74	3.3	350	559
32	Chinese white cabbage	45	45	4.5	0.59	2.7	119	191
33	Celery cabbage	60	60	4.5	0.64	2.9	173	276
34	Chinese radish	45	45	4.5	0.81	3.6	164	262
35	Baby corn	65	58	4.5	0.97	4.4	253	405
36	Sweet potato	125	95	4.5	0.96	4.3	410	657
37	Longan (Young)	365	365	4.5	0.76	3.4	1248	1997
38	Pomelo (Young)	365	365	4.5	1.38	6.2	2267	3627
39	Mango (Young)	365	365	4.5	1.55	7.0	2546	4073

Remarks 1. No 1,2,3,column 7 have added infiltration rate =1.5 mm./day already

2. Depth of water for soaking in paddy field = 200-300 mm.

3. Depth of water for land preparation in field crop = 60-90 mm.

Crop Water Requirement in East Region

Prachin Buri

No	Name	Age of plant (day)	Days of Irrigated (day)	Average Evapo. (mm.)	ET/E (k'p)	ET/day (mm.)	Total Crop Water Requirement	
							mm.	cu.m./rai
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
1	Rice(High Yield Variety)	100	86	4.9	1.30	7.9	677	1083
2	Rice(Khao Dawk Mali 105)	100	86	4.9	1.14	7.1	609	975
3	Rice (Basmati)	100	86	4.9	1.29	7.8	673	1076
4	Wheat	100	86	4.9	0.71	3.5	299	479
5	Maize	100	86	4.9	0.80	3.9	337	539
6	Sweet corn	75	68	4.9	0.79	3.9	263	421
7	Sorghum	110	96	4.9	0.79	3.9	372	595
8	Soybean	100	86	4.9	0.85	4.2	358	573
9	Ground nut	105	91	4.9	0.80	3.9	357	571
10	Mungbean	70	63	4.9	0.67	3.3	207	331
11	Sesame	90	76	4.9	0.76	3.7	283	453
12	Tobacco	90	83	4.9	0.94	4.6	382	612
13	Sunflower	110	96	4.9	0.80	3.9	376	602
14	Watermelon	85	78	4.9	1.05	5.1	401	642
15	Cotton	160	130	4.9	0.71	3.5	452	724
16	Sugarcane	300	270	4.9	0.71	3.5	939	1503
17	Castor bean	230	200	4.9	0.73	3.6	715	1145
18	Taro	170	156	4.9	1.48	7.3	1131	1810
19	Asparagus	365	365	4.9	0.82	4.0	1467	2347
20	Tomato	110	96	4.9	1.01	4.9	475	760
21	Onion	100	86	4.9	0.90	4.4	379	607
22	Shallot	85	71	4.9	0.84	4.1	292	468
23	Garlic	110	96	4.9	0.55	2.7	259	414
24	Potato	95	81	4.9	0.89	4.4	353	565

Crop Water Requirement in East Region(cont.)

Prachin Buri

No	Name	Age of plant (day)	Days of Irrigated (day)	Average Evapo. (mm.)	ET/E (k'p)	ET/day (mm.)	Total Crop Water Requirement	
							mm.	cu.m./rai
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
25	Bird peper	150	120	4.9	0.79	3.9	465	743
26	Bitter gourd	75	68	4.9	0.94	4.6	313	501
27	Cauliflower	45	45	4.9	0.86	4.2	190	303
28	Chinese kale	55	55	4.9	0.59	2.9	159	254
29	Yard long bean	80	73	4.9	0.77	3.8	275	441
30	Sugar pea	85	78	4.9	0.76	3.7	290	465
31	Winged bean	135	105	4.9	0.74	3.6	381	609
32	Chinese white cabbage	45	45	4.9	0.59	2.9	130	208
33	Celery cabbage	60	60	4.9	0.64	3.1	188	301
34	Chinese radish	45	45	4.9	0.81	4.0	179	286
35	Baby corn	65	58	4.9	0.97	4.8	276	441
36	Sweet potato	125	95	4.9	0.96	4.7	447	715
37	Longan (Young)	365	365	4.9	0.76	3.7	1359	2175
38	Pomelo (Young)	365	365	4.9	1.38	6.8	2468	3949
39	Mango (Young)	365	365	4.9	1.55	7.6	2772	4435

Remarks 1. No 1,2,3,column 7 have added infiltration rate =1.5 mm./day already

2. Depth of water for soaking in paddy field = 200-300 mm.

3. Depth of water for land preparation in field crop = 60-90 mm.

Crop Water Requirement in East Region

Rayong

No	Name	Age of plant (day)	Days of Irrigated (day)	Average Evapo. (mm.)	ET/E (k'p)	ET/day (mm.)	Total Crop Water Requirement	
							mm.	cu.m./rai
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
1	Rice(High Yield Variety)	100	86	5.3	1.30	8.4	722	1154
2	Rice(Khao Dawk Mali 105)	100	86	5.3	1.14	7.5	649	1038
3	Rice (Basmati)	100	86	5.3	1.29	8.3	717	1147
4	Wheat	100	86	5.3	0.71	3.8	324	518
5	Maize	100	86	5.3	0.80	4.2	365	583
6	Sweet corn	75	68	5.3	0.79	4.2	285	456
7	Sorghum	110	96	5.3	0.79	4.2	402	643
8	Soybean	100	86	5.3	0.85	4.5	387	620
9	Ground nut	105	91	5.3	0.80	4.2	386	617
10	Mungbean	70	63	5.3	0.67	3.6	224	358
11	Sesame	90	76	5.3	0.76	4.0	306	490
12	Tobacco	90	83	5.3	0.94	5.0	414	662
13	Sunflower	110	96	5.3	0.80	4.2	407	651
14	Watermelon	85	78	5.3	1.05	5.6	434	695
15	Cotton	160	130	5.3	0.71	3.8	489	783
16	Sugarcane	300	270	5.3	0.71	3.8	1016	1626
17	Castor bean	230	200	5.3	0.73	3.9	774	1238
18	Taro	170	156	5.3	1.48	7.8	1224	1958
19	Asparagus	365	365	5.3	0.82	4.3	1586	2538
20	Tomato	110	96	5.3	1.01	5.4	514	822
21	Onion	100	86	5.3	0.90	4.8	410	656
22	Shallot	85	71	5.3	0.84	4.5	316	506
23	Garlic	110	96	5.3	0.55	2.9	280	448
24	Potato	95	81	5.3	0.89	4.7	382	611

Crop Water Requirement in East Region(cont.)

Rayong

No	Name	Age of plant (day)	Days of Irrigated (day)	Average Evapo. (mm.)	ET/E (k'p)	ET/day (mm.)	Total Crop Water Requirement	
							mm.	cu.m./rai
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
25	Bird peper	150	120	5.3	0.79	4.2	502	804
26	Bitter gourd	75	68	5.3	0.94	5.0	339	542
27	Cauliflower	45	45	5.3	0.86	4.6	205	328
28	Chinese kale	55	55	5.3	0.59	3.1	172	275
29	Yard long bean	80	73	5.3	0.77	4.1	298	477
30	Sugar pea	85	78	5.3	0.76	4.0	314	503
31	Winged bean	135	105	5.3	0.74	3.9	412	659
32	Chinese white cabbage	45	45	5.3	0.59	3.1	141	225
33	Celery cabbage	60	60	5.3	0.64	3.4	204	326
34	Chinese radish	45	45	5.3	0.81	4.3	193	309
35	Baby corn	65	58	5.3	0.97	5.1	298	477
36	Sweet potato	125	95	5.3	0.96	5.1	483	773
37	Longan (Young)	365	365	5.3	0.76	4.0	1470	2352
38	Pomelo (Young)	365	365	5.3	1.38	7.3	2670	4271
39	Mango (Young)	365	365	5.3	1.55	8.2	2998	4798

Remarks 1. No 1,2,3,column 7 have added infiltration rate =1.5 mm./day already

2. Depth of water for soaking in paddy field = 200-300 mm.

3. Depth of water for land preparation in field crop = 60-90 mm.

Crop Water Requirement in East Region

Sa Kaeo

No	Name	Age of plant (day)	Days of Irrigated (day)	Average Evapo. (mm.)	ET/E (k'p)	ET/day (mm.)	Total Crop Water Requirement	
							mm.	cu.m./rai
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
1	Rice(High Yield Variety)	100	86	5.3	1.30	8.4	722	1154
2	Rice(Khao Dawk Mali 105)	100	86	5.3	1.14	7.5	649	1038
3	Rice (Basmati)	100	86	5.3	1.29	8.3	717	1147
4	Wheat	100	86	5.3	0.71	3.8	324	518
5	Maize	100	86	5.3	0.80	4.2	365	583
6	Sweet corn	75	68	5.3	0.79	4.2	285	456
7	Sorghum	110	96	5.3	0.79	4.2	402	643
8	Soybean	100	86	5.3	0.85	4.5	387	620
9	Ground nut	105	91	5.3	0.80	4.2	386	617
10	Mungbean	70	63	5.3	0.67	3.6	224	358
11	Sesame	90	76	5.3	0.76	4.0	306	490
12	Tobacco	90	83	5.3	0.94	5.0	414	662
13	Sunflower	110	96	5.3	0.80	4.2	407	651
14	Watermelon	85	78	5.3	1.05	5.6	434	695
15	Cotton	160	130	5.3	0.71	3.8	489	783
16	Sugarcane	300	270	5.3	0.71	3.8	1016	1626
17	Castor bean	230	200	5.3	0.73	3.9	774	1238
18	Taro	170	156	5.3	1.48	7.8	1224	1958
19	Asparagus	365	365	5.3	0.82	4.3	1586	2538
20	Tomato	110	96	5.3	1.01	5.4	514	822
21	Onion	100	86	5.3	0.90	4.8	410	656
22	Shallot	85	71	5.3	0.84	4.5	316	506
23	Garlic	110	96	5.3	0.55	2.9	280	448
24	Potato	95	81	5.3	0.89	4.7	382	611

Crop Water Requirement in East Region(cont.)

Sa Kaeo

No	Name	Age of plant (day)	Days of Irrigated (day)	Average Evapo. (mm.)	ET/E (k'p)	ET/day (mm.)	Total Crop Water Requirement	
							mm.	cu.m./rai
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
25	Bird peper	150	120	5.3	0.79	4.2	502	804
26	Bitter gourd	75	68	5.3	0.94	5.0	339	542
27	Cauliflower	45	45	5.3	0.86	4.6	205	328
28	Chinese kale	55	55	5.3	0.59	3.1	172	275
29	Yard long bean	80	73	5.3	0.77	4.1	298	477
30	Sugar pea	85	78	5.3	0.76	4.0	314	503
31	Winged bean	135	105	5.3	0.74	3.9	412	659
32	Chinese white cabbage	45	45	5.3	0.59	3.1	141	225
33	Celery cabbage	60	60	5.3	0.64	3.4	204	326
34	Chinese radish	45	45	5.3	0.81	4.3	193	309
35	Baby corn	65	58	5.3	0.97	5.1	298	477
36	Sweet potato	125	95	5.3	0.96	5.1	483	773
37	Longan (Young)	365	365	5.3	0.76	4.0	1470	2352
38	Pomelo (Young)	365	365	5.3	1.38	7.3	2670	4271
39	Mango (Young)	365	365	5.3	1.55	8.2	2998	4798

Remarks 1. No 1,2,3,column 7 have added infiltration rate =1.5 mm./day already

2. Depth of water for soaking in paddy field = 200-300 mm.

3. Depth of water for land preparation in field crop = 60-90 mm.

Crop Water Requirement in South Region

No	Name	Age of plant (day)	Days of Irrigated (day)	Average Evapo. (mm.)	ET/E (k'p)	ET/day (mm.)	Total Crop Water Requirement	
							mm.	cu.m./rai
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
1	Rice(High Yield Variety)	100	86	5.0	1.30	8.0	688	1101
2	Rice(Khao Dawk Mali 105)	100	86	5.0	1.14	7.2	619	991
3	Rice (Basmati)	100	86	5.0	1.29	8.0	684	1094
4	Wheat	100	86	5.0	0.71	3.6	305	488
5	Maize	100	86	5.0	0.80	4.0	344	550
6	Sweet corn	75	68	5.0	0.79	4.0	269	430
7	Sorghum	110	96	5.0	0.79	4.0	379	607
8	Soybean	100	86	5.0	0.85	4.3	366	585
9	Ground nut	105	91	5.0	0.80	4.0	364	582
10	Mungbean	70	63	5.0	0.67	3.4	211	338
11	Sesame	90	76	5.0	0.76	3.8	289	462
12	Tobacco	90	83	5.0	0.94	4.7	390	624
13	Sunflower	110	96	5.0	0.80	4.0	384	614
14	Watermelon	85	78	5.0	1.05	5.3	410	655
15	Cotton	160	130	5.0	0.71	3.6	462	738
16	Sugarcane	300	270	5.0	0.71	3.6	959	1534
17	Castor bean	230	200	5.0	0.73	3.7	730	1168
18	Taro	170	156	5.0	1.48	7.4	1154	1847
19	Asparagus	365	365	5.0	0.82	4.1	1497	2394
20	Tomato	110	96	5.0	1.01	5.1	485	776
21	Onion	100	86	5.0	0.90	4.5	387	619
22	Shallot	85	71	5.0	0.84	4.2	298	477
23	Garlic	110	96	5.0	0.55	2.8	264	422
24	Potato	95	81	5.0	0.89	4.5	360	577

Crop Water Requirement in South Region(cont.)

No	Name	Age of plant (day)	Days of Irrigated (day)	Average Evapo. (mm.)	ET/E (k'p)	ET/day (mm.)	Total Crop Water Requirement	
							mm.	cu.m./rai
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
25	Bird peper	150	120	5.0	0.79	4.0	474	758
26	Bitter gourd	75	68	5.0	0.94	4.7	320	511
27	Cauliflower	45	45	5.0	0.86	4.3	194	310
28	Chinese kale	55	55	5.0	0.59	3.0	162	260
29	Yard long bean	80	73	5.0	0.77	3.9	281	450
30	Sugar pea	85	78	5.0	0.76	3.8	296	474
31	Winged bean	135	105	5.0	0.74	3.7	389	622
32	Chinese white cabbage	45	45	5.0	0.59	3.0	133	212
33	Celery cabbage	60	60	5.0	0.64	3.2	192	307
34	Chinese radish	45	45	5.0	0.81	4.1	182	292
35	Baby corn	65	58	5.0	0.97	4.9	281	450
36	Sweet potato	125	95	5.0	0.96	4.8	456	730
37	Longan (Young)	365	365	5.0	0.76	3.8	1387	2219
38	Pomelo (Young)	365	365	5.0	1.38	6.9	2519	4030
39	Mango (Young)	365	365	5.0	1.55	7.8	2829	4526

Remarks 1. No 1,2,3,column 7 have added infiltration rate =1.5 mm./day already

2. Depth of water for soaking in paddy field = 200-300 mm.

3. Depth of water for land preparation in field crop = 60-90 mm.

Crop Water Requirement in South Region

Krabi

No	Name	Age of plant (day)	Days of Irrigated (day)	Average Evapo. (mm.)	ET/E (k'p)	ET/day (mm.)	Total Crop Water Requirement	
							mm.	cu.m./rai
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
1	Rice(High Yield Variety)	100	86	4.9	1.30	7.9	677	1083
2	Rice(Khao Dawk Mali 105)	100	86	4.9	1.14	7.1	609	975
3	Rice (Basmati)	100	86	4.9	1.29	7.8	673	1076
4	Wheat	100	86	4.9	0.71	3.5	299	479
5	Maize	100	86	4.9	0.80	3.9	337	539
6	Sweet corn	75	68	4.9	0.79	3.9	263	421
7	Sorghum	110	96	4.9	0.79	3.9	372	595
8	Soybean	100	86	4.9	0.85	4.2	358	573
9	Ground nut	105	91	4.9	0.80	3.9	357	571
10	Mungbean	70	63	4.9	0.67	3.3	207	331
11	Sesame	90	76	4.9	0.76	3.7	283	453
12	Tobacco	90	83	4.9	0.94	4.6	382	612
13	Sunflower	110	96	4.9	0.80	3.9	376	602
14	Watermelon	85	78	4.9	1.05	5.1	401	642
15	Cotton	160	130	4.9	0.71	3.5	452	724
16	Sugarcane	300	270	4.9	0.71	3.5	939	1503
17	Castor bean	230	200	4.9	0.73	3.6	715	1145
18	Taro	170	156	4.9	1.48	7.3	1131	1810
19	Asparagus	365	365	4.9	0.82	4.0	1467	2347
20	Tomato	110	96	4.9	1.01	4.9	475	760
21	Onion	100	86	4.9	0.90	4.4	379	607
22	Shallot	85	71	4.9	0.84	4.1	292	468
23	Garlic	110	96	4.9	0.55	2.7	259	414
24	Potato	95	81	4.9	0.89	4.4	353	565

Crop Water Requirement in South Region(cont.)

Krabai

No	Name	Age of plant (day)	Days of Irrigated (day)	Average Evapo. (mm.)	ET/E (k'p)	ET/day (mm.)	Total Crop Water Requirement	
							mm.	cu.m./rai
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
25	Bird peper	150	120	4.9	0.79	3.9	465	743
26	Bitter gourd	75	68	4.9	0.94	4.6	313	501
27	Cauliflower	45	45	4.9	0.86	4.2	190	303
28	Chinese kale	55	55	4.9	0.59	2.9	159	254
29	Yard long bean	80	73	4.9	0.77	3.8	275	441
30	Sugar pea	85	78	4.9	0.76	3.7	290	465
31	Winged bean	135	105	4.9	0.74	3.6	381	609
32	Chinese white cabbage	45	45	4.9	0.59	2.9	130	208
33	Celery cabbage	60	60	4.9	0.64	3.1	188	301
34	Chinese radish	45	45	4.9	0.81	4.0	179	286
35	Baby corn	65	58	4.9	0.97	4.8	276	441
36	Sweet potato	125	95	4.9	0.96	4.7	447	715
37	Longan (Young)	365	365	4.9	0.76	3.7	1359	2175
38	Pomelo (Young)	365	365	4.9	1.38	6.8	2468	3949
39	Mango (Young)	365	365	4.9	1.55	7.6	2772	4435

Remarks 1. No 1,2,3,column 7 have added infiltration rate =1.5 mm./day already

2. Depth of water for soaking in paddy field = 200-300 mm.

3. Depth of water for land preparation in field crop = 60-90 mm.

Crop Water Requirement in South Region

Chumphon

No	Name	Age of plant (day)	Days of Irrigated (day)	Average Evapo. (mm.)	ET/E (k'p)	ET/day (mm.)	Total Crop Water Requirement	
							mm.	cu.m./rai
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
1	Rice(High Yield Variety)	100	86	4.8	1.30	7.7	666	1065
2	Rice(Khao Dawk Mali 105)	100	86	4.8	1.14	7.0	600	959
3	Rice (Basmati)	100	86	4.8	1.29	7.7	662	1058
4	Wheat	100	86	4.8	0.71	3.4	293	469
5	Maize	100	86	4.8	0.80	3.8	330	528
6	Sweet corn	75	68	4.8	0.79	3.8	258	413
7	Sorghum	110	96	4.8	0.79	3.8	364	582
8	Soybean	100	86	4.8	0.85	4.1	351	561
9	Ground nut	105	91	4.8	0.80	3.8	349	559
10	Mungbean	70	63	4.8	0.67	3.2	203	324
11	Sesame	90	76	4.8	0.76	3.6	277	444
12	Tobacco	90	83	4.8	0.94	4.5	374	599
13	Sunflower	110	96	4.8	0.80	3.8	369	590
14	Watermelon	85	78	4.8	1.05	5.0	393	629
15	Cotton	160	130	4.8	0.71	3.4	443	709
16	Sugarcane	300	270	4.8	0.71	3.4	920	1472
17	Castor bean	230	200	4.8	0.73	3.5	701	1121
18	Taro	170	156	4.8	1.48	7.1	1108	1773
19	Asparagus	365	365	4.8	0.82	3.9	1437	2299
20	Tomato	110	96	4.8	1.01	4.8	465	745
21	Onion	100	86	4.8	0.90	4.3	372	594
22	Shallot	85	71	4.8	0.84	4.0	286	458
23	Garlic	110	96	4.8	0.55	2.6	253	406
24	Potato	95	81	4.8	0.89	4.3	346	554

Crop Water Requirement in South Region(cont.)

Chumphon

No	Name	Age of plant (day)	Days of Irrigated (day)	Average Evapo. (mm.)	ET/E (k'p)	ET/day (mm.)	Total Crop Water Requirement	
							mm.	cu.m./rai
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
25	Bird peper	150	120	4.8	0.79	3.8	455	728
26	Bitter gourd	75	68	4.8	0.94	4.5	307	491
27	Cauliflower	45	45	4.8	0.86	4.1	186	297
28	Chinese kale	55	55	4.8	0.59	2.8	156	249
29	Yard long bean	80	73	4.8	0.77	3.7	270	432
30	Sugar pea	85	78	4.8	0.76	3.6	285	455
31	Winged bean	135	105	4.8	0.74	3.6	373	597
32	Chinese white cabbage	45	45	4.8	0.59	2.8	127	204
33	Celery cabbage	60	60	4.8	0.64	3.1	184	295
34	Chinese radish	45	45	4.8	0.81	3.9	175	280
35	Baby corn	65	58	4.8	0.97	4.7	270	432
36	Sweet potato	125	95	4.8	0.96	4.6	438	700
37	Longan (Young)	365	365	4.8	0.76	3.6	1332	2130
38	Pomelo (Young)	365	365	4.8	1.38	6.6	2418	3868
39	Mango (Young)	365	365	4.8	1.55	7.4	2716	4345

Remarks 1. No 1,2,3,column 7 have added infiltration rate =1.5 mm./day already

2. Depth of water for soaking in paddy field = 200-300 mm.

3. Depth of water for land preparation in field crop = 60-90 mm.

Crop Water Requirement in South Region

Trang

No	Name	Age of plant (day)	Days of Irrigated (day)	Average Evapo. (mm.)	ET/E (k'p)	ET/day (mm.)	Total Crop Water Requirement	
							mm.	cu.m./rai
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
1	Rice(High Yield Variety)	100	86	5.4	1.30	8.5	733	1172
2	Rice(Khao Dawk Mali 105)	100	86	5.4	1.14	7.7	658	1053
3	Rice (Basmati)	100	86	5.4	1.29	8.5	728	1165
4	Wheat	100	86	5.4	0.71	3.8	330	528
5	Maize	100	86	5.4	0.80	4.3	372	594
6	Sweet corn	75	68	5.4	0.79	4.3	290	464
7	Sorghum	110	96	5.4	0.79	4.3	410	655
8	Soybean	100	86	5.4	0.85	4.6	395	632
9	Ground nut	105	91	5.4	0.80	4.3	393	629
10	Mungbean	70	63	5.4	0.67	3.6	228	365
11	Sesame	90	76	5.4	0.76	4.1	312	499
12	Tobacco	90	83	5.4	0.94	5.1	421	674
13	Sunflower	110	96	5.4	0.80	4.3	415	664
14	Watermelon	85	78	5.4	1.05	5.7	442	708
15	Cotton	160	130	5.4	0.71	3.8	498	797
16	Sugarcane	300	270	5.4	0.71	3.8	1035	1656
17	Castor bean	230	200	5.4	0.73	3.9	788	1261
18	Taro	170	156	5.4	1.48	8.0	1247	1995
19	Asparagus	365	365	5.4	0.82	4.4	1616	2586
20	Tomato	110	96	5.4	1.01	5.5	524	838
21	Onion	100	86	5.4	0.90	4.9	418	669
22	Shallot	85	71	5.4	0.84	4.5	322	515
23	Garlic	110	96	5.4	0.55	3.0	285	456
24	Potato	95	81	5.4	0.89	4.8	389	623

Crop Water Requirement in South Region(cont.)

Trang

No	Name	Age of plant (day)	Days of Irrigated (day)	Average Evapo. (mm.)	ET/E (k'p)	ET/day (mm.)	Total Crop Water Requirement	
							mm.	cu.m./rai
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
25	Bird peper	150	120	5.4	0.79	4.3	512	819
26	Bitter gourd	75	68	5.4	0.94	5.1	345	552
27	Cauliflower	45	45	5.4	0.86	4.6	209	334
28	Chinese kale	55	55	5.4	0.59	3.2	175	280
29	Yard long bean	80	73	5.4	0.77	4.2	304	486
30	Sugar pea	85	78	5.4	0.76	4.1	320	512
31	Winged bean	135	105	5.4	0.74	4.0	420	671
32	Chinese white cabbage	45	45	5.4	0.59	3.2	143	229
33	Celery cabbage	60	60	5.4	0.64	3.5	207	332
34	Chinese radish	45	45	5.4	0.81	4.4	197	315
35	Baby corn	65	58	5.4	0.97	5.2	304	486
36	Sweet potato	125	95	5.4	0.96	5.2	492	788
37	Longan (Young)	365	365	5.4	0.76	4.1	1498	2397
38	Pomelo (Young)	365	365	5.4	1.38	7.5	2720	4352
39	Mango (Young)	365	365	5.4	1.55	8.4	3055	4888

Remarks 1. No 1,2,3,column 7 have added infiltration rate =1.5 mm./day already

2. Depth of water for soaking in paddy field = 200-300 mm.

3. Depth of water for land preparation in field crop = 60-90 mm.

Crop Water Requirement in South Region

Nakhon Si Thammarat

No	Name	Age of plant (day)	Days of Irrigated (day)	Average Evapo. (mm.)	ET/E (k'p)	ET/day (mm.)	Total Crop Water Requirement	
							mm.	cu.m./rai
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
1	Rice(High Yield Variety)	100	86	4.5	1.30	7.4	632	1011
2	Rice(Khao Dawk Mali 105)	100	86	4.5	1.14	6.6	570	912
3	Rice (Basmati)	100	86	4.5	1.29	7.3	628	1005
4	Wheat	100	86	4.5	0.71	3.2	275	440
5	Maize	100	86	4.5	0.80	3.6	310	495
6	Sweet corn	75	68	4.5	0.79	3.6	242	387
7	Sorghum	110	96	4.5	0.79	3.6	341	546
8	Soybean	100	86	4.5	0.85	3.8	329	526
9	Ground nut	105	91	4.5	0.80	3.6	328	524
10	Mungbean	70	63	4.5	0.67	3.0	190	304
11	Sesame	90	76	4.5	0.76	3.4	260	416
12	Tobacco	90	83	4.5	0.94	4.2	351	562
13	Sunflower	110	96	4.5	0.80	3.6	346	553
14	Watermelon	85	78	4.5	1.05	4.7	369	590
15	Cotton	160	130	4.5	0.71	3.2	415	665
16	Sugarcane	300	270	4.5	0.71	3.2	863	1380
17	Castor bean	230	200	4.5	0.73	3.3	657	1051
18	Taro	170	156	4.5	1.48	6.7	1039	1662
19	Asparagus	365	365	4.5	0.82	3.7	1347	2155
20	Tomato	110	96	4.5	1.01	4.5	436	698
21	Onion	100	86	4.5	0.90	4.1	348	557
22	Shallot	85	71	4.5	0.84	3.8	268	429
23	Garlic	110	96	4.5	0.55	2.5	238	380
24	Potato	95	81	4.5	0.89	4.0	324	519

Crop Water Requirement in South Region(cont.)

Nakhon Si Thammarat

No	Name	Age of plant (day)	Days of Irrigated (day)	Average Evapo. (mm.)	ET/E (k'p)	ET/day (mm.)	Total Crop Water Requirement	
							mm.	cu.m./rai
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
25	Bird peper	150	120	4.5	0.79	3.6	427	683
26	Bitter gourd	75	68	4.5	0.94	4.2	288	460
27	Cauliflower	45	45	4.5	0.86	3.9	174	279
28	Chinese kale	55	55	4.5	0.59	2.7	146	234
29	Yard long bean	80	73	4.5	0.77	3.5	253	405
30	Sugar pea	85	78	4.5	0.76	3.4	267	427
31	Winged bean	135	105	4.5	0.74	3.3	350	559
32	Chinese white cabbage	45	45	4.5	0.59	2.7	119	191
33	Celery cabbage	60	60	4.5	0.64	2.9	173	276
34	Chinese radish	45	45	4.5	0.81	3.6	164	262
35	Baby corn	65	58	4.5	0.97	4.4	253	405
36	Sweet potato	125	95	4.5	0.96	4.3	410	657
37	Longan (Young)	365	365	4.5	0.76	3.4	1248	1997
38	Pomelo (Young)	365	365	4.5	1.38	6.2	2267	3627
39	Mango (Young)	365	365	4.5	1.55	7.0	2546	4073

Remarks 1. No 1,2,3,column 7 have added infiltration rate =1.5 mm./day already

2. Depth of water for soaking in paddy field = 200-300 mm.

3. Depth of water for land preparation in field crop = 60-90 mm.

Crop Water Requirement in South Region

Narathiwat

No	Name	Age of plant (day)	Days of Irrigated (day)	Average Evapo. (mm.)	ET/E (k'p)	ET/day (mm.)	Total Crop Water Requirement	
							mm.	cu.m./rai
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
1	Rice(High Yield Variety)	100	86	4.7	1.30	7.6	654	1047
2	Rice(Khao Dawk Mali 105)	100	86	4.7	1.14	6.9	590	944
3	Rice (Basmati)	100	86	4.7	1.29	7.6	650	1041
4	Wheat	100	86	4.7	0.71	3.3	287	459
5	Maize	100	86	4.7	0.80	3.8	323	517
6	Sweet corn	75	68	4.7	0.79	3.7	252	404
7	Sorghum	110	96	4.7	0.79	3.7	356	570
8	Soybean	100	86	4.7	0.85	4.0	344	550
9	Ground nut	105	91	4.7	0.80	3.8	342	547
10	Mungbean	70	63	4.7	0.67	3.1	198	317
11	Sesame	90	76	4.7	0.76	3.6	271	434
12	Tobacco	90	83	4.7	0.94	4.4	367	587
13	Sunflower	110	96	4.7	0.80	3.8	361	578
14	Watermelon	85	78	4.7	1.05	4.9	385	616
15	Cotton	160	130	4.7	0.71	3.3	434	694
16	Sugarcane	300	270	4.7	0.71	3.3	901	1442
17	Castor bean	230	200	4.7	0.73	3.4	686	1098
18	Taro	170	156	4.7	1.48	7.0	1085	1736
19	Asparagus	365	365	4.7	0.82	3.9	1407	2251
20	Tomato	110	96	4.7	1.01	4.7	456	729
21	Onion	100	86	4.7	0.90	4.2	364	582
22	Shallot	85	71	4.7	0.84	3.9	280	448
23	Garlic	110	96	4.7	0.55	2.6	248	397
24	Potato	95	81	4.7	0.89	4.2	339	542

Crop Water Requirement in South Region(cont.)

Narathiwat

No	Name	Age of plant (day)	Days of Irrigated (day)	Average Evapo. (mm.)	ET/E (k'p)	ET/day (mm.)	Total Crop Water Requirement	
							mm.	cu.m./rai
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
25	Bird peper	150	120	4.7	0.79	3.7	446	713
26	Bitter gourd	75	68	4.7	0.94	4.4	300	481
27	Cauliflower	45	45	4.7	0.86	4.0	182	291
28	Chinese kale	55	55	4.7	0.59	2.8	153	244
29	Yard long bean	80	73	4.7	0.77	3.6	264	423
30	Sugar pea	85	78	4.7	0.76	3.6	279	446
31	Winged bean	135	105	4.7	0.74	3.5	365	584
32	Chinese white cabbage	45	45	4.7	0.59	2.8	125	200
33	Celery cabbage	60	60	4.7	0.64	3.0	180	289
34	Chinese radish	45	45	4.7	0.81	3.8	171	274
35	Baby corn	65	58	4.7	0.97	4.6	264	423
36	Sweet potato	125	95	4.7	0.96	4.5	429	686
37	Longan (Young)	365	365	4.7	0.76	3.6	1304	2086
38	Pomelo (Young)	365	365	4.7	1.38	6.5	2367	3788
39	Mango (Young)	365	365	4.7	1.55	7.3	2659	4254

Remarks 1. No 1,2,3,column 7 have added infiltration rate =1.5 mm./day already

2. Depth of water for soaking in paddy field = 200-300 mm.

3. Depth of water for land preparation in field crop = 60-90 mm.

Crop Water Requirement in South Region

Pattani

No	Name	Age of plant (day)	Days of Irrigated (day)	Average Evapo. (mm.)	ET/E (k'p)	ET/day (mm.)	Total Crop Water Requirement	
							mm.	cu.m./rai
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
1	Rice(High Yield Variety)	100	86	4.3	1.30	7.1	610	976
2	Rice(Khao Dawk Mali 105)	100	86	4.3	1.14	6.4	551	881
3	Rice (Basmati)	100	86	4.3	1.29	7.0	606	970
4	Wheat	100	86	4.3	0.71	3.1	263	420
5	Maize	100	86	4.3	0.80	3.4	296	473
6	Sweet corn	75	68	4.3	0.79	3.4	231	370
7	Sorghum	110	96	4.3	0.79	3.4	326	522
8	Soybean	100	86	4.3	0.85	3.7	314	503
9	Ground nut	105	91	4.3	0.80	3.4	313	501
10	Mungbean	70	63	4.3	0.67	2.9	182	290
11	Sesame	90	76	4.3	0.76	3.3	248	397
12	Tobacco	90	83	4.3	0.94	4.0	335	537
13	Sunflower	110	96	4.3	0.80	3.4	330	528
14	Watermelon	85	78	4.3	1.05	4.5	352	563
15	Cotton	160	130	4.3	0.71	3.1	397	635
16	Sugarcane	300	270	4.3	0.71	3.1	824	1319
17	Castor bean	230	200	4.3	0.73	3.1	628	1004
18	Taro	170	156	4.3	1.48	6.4	993	1588
19	Asparagus	365	365	4.3	0.82	3.5	1287	2059
20	Tomato	110	96	4.3	1.01	4.3	417	667
21	Onion	100	86	4.3	0.90	3.9	333	533
22	Shallot	85	71	4.3	0.84	3.6	256	410
23	Garlic	110	96	4.3	0.55	2.4	227	363
24	Potato	95	81	4.3	0.89	3.8	310	496

Crop Water Requirement in South Region(cont.)

Pattani

No	Name	Age of plant (day)	Days of Irrigated (day)	Average Evapo. (mm.)	ET/E (k'p)	ET/day (mm.)	Total Crop Water Requirement	
							mm.	cu.m./rai
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
25	Bird peper	150	120	4.3	0.79	3.4	408	652
26	Bitter gourd	75	68	4.3	0.94	4.0	275	440
27	Cauliflower	45	45	4.3	0.86	3.7	166	266
28	Chinese kale	55	55	4.3	0.59	2.5	140	223
29	Yard long bean	80	73	4.3	0.77	3.3	242	387
30	Sugar pea	85	78	4.3	0.76	3.3	255	408
31	Winged bean	135	105	4.3	0.74	3.2	334	535
32	Chinese white cabbage	45	45	4.3	0.59	2.5	114	183
33	Celery cabbage	60	60	4.3	0.64	2.8	165	264
34	Chinese radish	45	45	4.3	0.81	3.5	157	251
35	Baby corn	65	58	4.3	0.97	4.2	242	387
36	Sweet potato	125	95	4.3	0.96	4.1	392	627
37	Longan (Young)	365	365	4.3	0.76	3.3	1193	1909
38	Pomelo (Young)	365	365	4.3	1.38	5.9	2166	3465
39	Mango (Young)	365	365	4.3	1.55	6.7	2433	3892

Remarks 1. No 1,2,3,column 7 have added infiltration rate =1.5 mm./day already

2. Depth of water for soaking in paddy field = 200-300 mm.

3. Depth of water for land preparation in field crop = 60-90 mm.

Crop Water Requirement in South Region

Phangnga

No	Name	Age of plant (day)	Days of Irrigated (day)	Average Evapo. (mm.)	ET/E (k'p)	ET/day (mm.)	Total Crop Water Requirement	
							mm.	cu.m./rai
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
1	Rice(High Yield Variety)	100	86	3.6	1.30	6.2	531	850
2	Rice(Khao Dawk Mali 105)	100	86	3.6	1.14	5.6	482	771
3	Rice (Basmati)	100	86	3.6	1.29	6.1	528	845
4	Wheat	100	86	3.6	0.71	2.6	220	352
5	Maize	100	86	3.6	0.80	2.9	248	396
6	Sweet corn	75	68	3.6	0.79	2.8	193	309
7	Sorghum	110	96	3.6	0.79	2.8	273	437
8	Soybean	100	86	3.6	0.85	3.1	263	421
9	Ground nut	105	91	3.6	0.80	2.9	262	419
10	Mungbean	70	63	3.6	0.67	2.4	152	243
11	Sesame	90	76	3.6	0.76	2.7	208	333
12	Tobacco	90	83	3.6	0.94	3.4	281	449
13	Sunflower	110	96	3.6	0.80	2.9	276	442
14	Watermelon	85	78	3.6	1.05	3.8	295	472
15	Cotton	160	130	3.6	0.71	2.6	332	532
16	Sugarcane	300	270	3.6	0.71	2.6	690	1104
17	Castor bean	230	200	3.6	0.73	2.6	526	841
18	Taro	170	156	3.6	1.48	5.3	831	1330
19	Asparagus	365	365	3.6	0.82	3.0	1077	1724
20	Tomato	110	96	3.6	1.01	3.6	349	558
21	Onion	100	86	3.6	0.90	3.2	279	446
22	Shallot	85	71	3.6	0.84	3.0	215	344
23	Garlic	110	96	3.6	0.55	2.0	190	304
24	Potato	95	81	3.6	0.89	3.2	260	415

Crop Water Requirement in South Region(cont.)

Phangnga

No	Name	Age of plant (day)	Days of Irrigated (day)	Average Evapo. (mm.)	ET/E (k'p)	ET/day (mm.)	Total Crop Water Requirement	
							mm.	cu.m./rai
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
25	Bird peper	150	120	3.6	0.79	2.8	341	546
26	Bitter gourd	75	68	3.6	0.94	3.4	230	368
27	Cauliflower	45	45	3.6	0.86	3.1	139	223
28	Chinese kale	55	55	3.6	0.59	2.1	117	187
29	Yard long bean	80	73	3.6	0.77	2.8	202	324
30	Sugar pea	85	78	3.6	0.76	2.7	213	341
31	Winged bean	135	105	3.6	0.74	2.7	280	448
32	Chinese white cabbage	45	45	3.6	0.59	2.1	96	153
33	Celery cabbage	60	60	3.6	0.64	2.3	138	221
34	Chinese radish	45	45	3.6	0.81	2.9	131	210
35	Baby corn	65	58	3.6	0.97	3.5	203	324
36	Sweet potato	125	95	3.6	0.96	3.5	328	525
37	Longan (Young)	365	365	3.6	0.76	2.7	999	1598
38	Pomelo (Young)	365	365	3.6	1.38	5.0	1813	2901
39	Mango (Young)	365	365	3.6	1.55	5.6	2037	3259

Remarks 1. No 1,2,3,column 7 have added infiltration rate =1.5 mm./day already

2. Depth of water for soaking in paddy field = 200-300 mm.

3. Depth of water for land preparation in field crop = 60-90 mm.

Crop Water Requirement in South Region

Phatthalung

No	Name	Age of plant (day)	Days of Irrigated (day)	Average Evapo. (mm.)	ET/E (k'p)	ET/day (mm.)	Total Crop Water Requirement	
							mm.	cu.m./rai
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
1	Rice(High Yield Variety)	100	86	3.6	1.30	6.2	531	850
2	Rice(Khao Dawk Mali 105)	100	86	3.6	1.14	5.6	482	771
3	Rice (Basmati)	100	86	3.6	1.29	6.1	528	845
4	Wheat	100	86	3.6	0.71	2.6	220	352
5	Maize	100	86	3.6	0.80	2.9	248	396
6	Sweet corn	75	68	3.6	0.79	2.8	193	309
7	Sorghum	110	96	3.6	0.79	2.8	273	437
8	Soybean	100	86	3.6	0.85	3.1	263	421
9	Ground nut	105	91	3.6	0.80	2.9	262	419
10	Mungbean	70	63	3.6	0.67	2.4	152	243
11	Sesame	90	76	3.6	0.76	2.7	208	333
12	Tobacco	90	83	3.6	0.94	3.4	281	449
13	Sunflower	110	96	3.6	0.80	2.9	276	442
14	Watermelon	85	78	3.6	1.05	3.8	295	472
15	Cotton	160	130	3.6	0.71	2.6	332	532
16	Sugarcane	300	270	3.6	0.71	2.6	690	1104
17	Castor bean	230	200	3.6	0.73	2.6	526	841
18	Taro	170	156	3.6	1.48	5.3	831	1330
19	Asparagus	365	365	3.6	0.82	3.0	1077	1724
20	Tomato	110	96	3.6	1.01	3.6	349	558
21	Onion	100	86	3.6	0.90	3.2	279	446
22	Shallot	85	71	3.6	0.84	3.0	215	344
23	Garlic	110	96	3.6	0.55	2.0	190	304
24	Potato	95	81	3.6	0.89	3.2	260	415

Crop Water Requirement in South Region(cont.)

Phatthalung

No	Name	Age of plant (day)	Days of Irrigated (day)	Average Evapo. (mm.)	ET/E (k'p)	ET/day (mm.)	Total Crop Water Requirement	
							mm.	cu.m./rai
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
25	Bird peper	150	120	3.6	0.79	2.8	341	546
26	Bitter gourd	75	68	3.6	0.94	3.4	230	368
27	Cauliflower	45	45	3.6	0.86	3.1	139	223
28	Chinese kale	55	55	3.6	0.59	2.1	117	187
29	Yard long bean	80	73	3.6	0.77	2.8	202	324
30	Sugar pea	85	78	3.6	0.76	2.7	213	341
31	Winged bean	135	105	3.6	0.74	2.7	280	448
32	Chinese white cabbage	45	45	3.6	0.59	2.1	96	153
33	Celery cabbage	60	60	3.6	0.64	2.3	138	221
34	Chinese radish	45	45	3.6	0.81	2.9	131	210
35	Baby corn	65	58	3.6	0.97	3.5	203	324
36	Sweet potato	125	95	3.6	0.96	3.5	328	525
37	Longan (Young)	365	365	3.6	0.76	2.7	999	1598
38	Pomelo (Young)	365	365	3.6	1.38	5.0	1813	2901
39	Mango (Young)	365	365	3.6	1.55	5.6	2037	3259

Remarks 1. No 1,2,3,column 7 have added infiltration rate =1.5 mm./day already

2. Depth of water for soaking in paddy field = 200-300 mm.

3. Depth of water for land preparation in field crop = 60-90 mm.

Crop Water Requirement in South Region

Phuket

No	Name	Age of plant (day)	Days of Irrigated (day)	Average Evapo. (mm.)	ET/E (k'p)	ET/day (mm.)	Total Crop Water Requirement	
							mm.	cu.m./rai
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
1	Rice(High Yield Variety)	100	86	5.3	1.30	8.4	722	1154
2	Rice(Khao Dawk Mali 105)	100	86	5.3	1.14	7.5	649	1038
3	Rice (Basmati)	100	86	5.3	1.29	8.3	717	1147
4	Wheat	100	86	5.3	0.71	3.8	324	518
5	Maize	100	86	5.3	0.80	4.2	365	583
6	Sweet corn	75	68	5.3	0.79	4.2	285	456
7	Sorghum	110	96	5.3	0.79	4.2	402	643
8	Soybean	100	86	5.3	0.85	4.5	387	620
9	Ground nut	105	91	5.3	0.80	4.2	386	617
10	Mungbean	70	63	5.3	0.67	3.6	224	358
11	Sesame	90	76	5.3	0.76	4.0	306	490
12	Tobacco	90	83	5.3	0.94	5.0	414	662
13	Sunflower	110	96	5.3	0.80	4.2	407	651
14	Watermelon	85	78	5.3	1.05	5.6	434	695
15	Cotton	160	130	5.3	0.71	3.8	489	783
16	Sugarcane	300	270	5.3	0.71	3.8	1016	1626
17	Castor bean	230	200	5.3	0.73	3.9	774	1238
18	Taro	170	156	5.3	1.48	7.8	1224	1958
19	Asparagus	365	365	5.3	0.82	4.3	1586	2538
20	Tomato	110	96	5.3	1.01	5.4	514	822
21	Onion	100	86	5.3	0.90	4.8	410	656
22	Shallot	85	71	5.3	0.84	4.5	316	506
23	Garlic	110	96	5.3	0.55	2.9	280	448
24	Potato	95	81	5.3	0.89	4.7	382	611

Crop Water Requirement in South Region(cont.)

Phuket

No	Name	Age of plant (day)	Days of Irrigated (day)	Average Evapo. (mm.)	ET/E (k'p)	ET/day (mm.)	Total Crop Water Requirement	
							mm.	cu.m./rai
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
25	Bird peper	150	120	5.3	0.79	4.2	502	804
26	Bitter gourd	75	68	5.3	0.94	5.0	339	542
27	Cauliflower	45	45	5.3	0.86	4.6	205	328
28	Chinese kale	55	55	5.3	0.59	3.1	172	275
29	Yard long bean	80	73	5.3	0.77	4.1	298	477
30	Sugar pea	85	78	5.3	0.76	4.0	314	503
31	Winged bean	135	105	5.3	0.74	3.9	412	659
32	Chinese white cabbage	45	45	5.3	0.59	3.1	141	225
33	Celery cabbage	60	60	5.3	0.64	3.4	204	326
34	Chinese radish	45	45	5.3	0.81	4.3	193	309
35	Baby corn	65	58	5.3	0.97	5.1	298	477
36	Sweet potato	125	95	5.3	0.96	5.1	483	773
37	Longan (Young)	365	365	5.3	0.76	4.0	1470	2352
38	Pomelo (Young)	365	365	5.3	1.38	7.3	2670	4271
39	Mango (Young)	365	365	5.3	1.55	8.2	2998	4798

Remarks 1. No 1,2,3,column 7 have added infiltration rate =1.5 mm./day already

2. Depth of water for soaking in paddy field = 200-300 mm.

3. Depth of water for land preparation in field crop = 60-90 mm.

Crop Water Requirement in South Region

Yala

No	Name	Age of plant (day)	Days of Irrigated (day)	Average Evapo. (mm.)	ET/E (k'p)	ET/day (mm.)	Total Crop Water Requirement	
							mm.	cu.m./rai
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
1	Rice(High Yield Variety)	100	86	6.3	1.30	9.7	833	1333
2	Rice(Khao Dawk Mali 105)	100	86	6.3	1.14	8.7	747	1195
3	Rice (Basmati)	100	86	6.3	1.29	9.6	828	1325
4	Wheat	100	86	6.3	0.71	4.5	385	615
5	Maize	100	86	6.3	0.80	5.0	433	694
6	Sweet corn	75	68	6.3	0.79	5.0	338	541
7	Sorghum	110	96	6.3	0.79	5.0	478	764
8	Soybean	100	86	6.3	0.85	5.4	461	737
9	Ground nut	105	91	6.3	0.80	5.0	459	734
10	Mungbean	70	63	6.3	0.67	4.2	266	425
11	Sesame	90	76	6.3	0.76	4.8	364	582
12	Tobacco	90	83	6.3	0.94	5.9	492	786
13	Sunflower	110	96	6.3	0.80	5.0	484	774
14	Watermelon	85	78	6.3	1.05	6.6	516	826
15	Cotton	160	130	6.3	0.71	4.5	581	930
16	Sugarcane	300	270	6.3	0.71	4.5	1208	1932
17	Castor bean	230	200	6.3	0.73	4.6	920	1472
18	Taro	170	156	6.3	1.48	9.3	1455	2327
19	Asparagus	365	365	6.3	0.82	5.2	1886	3017
20	Tomato	110	96	6.3	1.01	6.4	611	977
21	Onion	100	86	6.3	0.90	5.7	488	780
22	Shallot	85	71	6.3	0.84	5.3	376	601
23	Garlic	110	96	6.3	0.55	3.5	333	532
24	Potato	95	81	6.3	0.89	5.6	454	727

Crop Water Requirement in South Region(cont.)

Yala

No	Name	Age of plant (day)	Days of Irrigated (day)	Average Evapo. (mm.)	ET/E (k'p)	ET/day (mm.)	Total Crop Water Requirement	
							mm.	cu.m./rai
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
25	Bird peper	150	120	6.3	0.79	5.0	597	956
26	Bitter gourd	75	68	6.3	0.94	5.9	403	644
27	Cauliflower	45	45	6.3	0.86	5.4	244	390
28	Chinese kale	55	55	6.3	0.59	3.7	204	327
29	Yard long bean	80	73	6.3	0.77	4.9	354	567
30	Sugar pea	85	78	6.3	0.76	4.8	373	598
31	Winged bean	135	105	6.3	0.74	4.7	490	783
32	Chinese white cabbage	45	45	6.3	0.59	3.7	167	268
33	Celery cabbage	60	60	6.3	0.64	4.0	242	387
34	Chinese radish	45	45	6.3	0.81	5.1	230	367
35	Baby corn	65	58	6.3	0.97	6.1	354	567
36	Sweet potato	125	95	6.3	0.96	6.0	575	919
37	Longan (Young)	365	365	6.3	0.76	4.8	1748	2796
38	Pomelo (Young)	365	365	6.3	1.38	8.7	3173	5077
39	Mango (Young)	365	365	6.3	1.55	9.8	3564	5703

Remarks 1. No 1,2,3,column 7 have added infiltration rate =1.5 mm./day already

2. Depth of water for soaking in paddy field = 200-300 mm.

3. Depth of water for land preparation in field crop = 60-90 mm.

Crop Water Requirement in South Region

Ranong

No	Name	Age of plant (day)	Days of Irrigated (day)	Average Evapo. (mm.)	ET/E (k'p)	ET/day (mm.)	Total Crop Water Requirement	
							mm.	cu.m./rai
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
1	Rice(High Yield Variety)	100	86	4.6	1.30	7.5	643	1029
2	Rice(Khao Dawk Mali 105)	100	86	4.6	1.14	6.7	580	928
3	Rice (Basmati)	100	86	4.6	1.29	7.4	639	1023
4	Wheat	100	86	4.6	0.71	3.3	281	449
5	Maize	100	86	4.6	0.80	3.7	316	506
6	Sweet corn	75	68	4.6	0.79	3.6	247	395
7	Sorghum	110	96	4.6	0.79	3.6	349	558
8	Soybean	100	86	4.6	0.85	3.9	336	538
9	Ground nut	105	91	4.6	0.80	3.7	335	536
10	Mungbean	70	63	4.6	0.67	3.1	194	311
11	Sesame	90	76	4.6	0.76	3.5	266	425
12	Tobacco	90	83	4.6	0.94	4.3	359	574
13	Sunflower	110	96	4.6	0.80	3.7	353	565
14	Watermelon	85	78	4.6	1.05	4.8	377	603
15	Cotton	160	130	4.6	0.71	3.3	425	679
16	Sugarcane	300	270	4.6	0.71	3.3	882	1411
17	Castor bean	230	200	4.6	0.73	3.4	672	1075
18	Taro	170	156	4.6	1.48	6.8	1062	1699
19	Asparagus	365	365	4.6	0.82	3.8	1377	2203
20	Tomato	110	96	4.6	1.01	4.6	446	714
21	Onion	100	86	4.6	0.90	4.1	356	570
22	Shallot	85	71	4.6	0.84	3.9	274	439
23	Garlic	110	96	4.6	0.55	2.5	243	389
24	Potato	95	81	4.6	0.89	4.1	332	531

Crop Water Requirement in South Region(cont.)

Ranong

No	Name	Age of plant (day)	Days of Irrigated (day)	Average Evapo. (mm.)	ET/E (k'p)	ET/day (mm.)	Total Crop Water Requirement	
							mm.	cu.m./rai
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
25	Bird peper	150	120	4.6	0.79	3.6	436	698
26	Bitter gourd	75	68	4.6	0.94	4.3	294	470
27	Cauliflower	45	45	4.6	0.86	4.0	178	285
28	Chinese kale	55	55	4.6	0.59	2.7	149	239
29	Yard long bean	80	73	4.6	0.77	3.5	259	414
30	Sugar pea	85	78	4.6	0.76	3.5	273	436
31	Winged bean	135	105	4.6	0.74	3.4	357	572
32	Chinese white cabbage	45	45	4.6	0.59	2.7	122	195
33	Celery cabbage	60	60	4.6	0.64	2.9	177	283
34	Chinese radish	45	45	4.6	0.81	3.7	168	268
35	Baby corn	65	58	4.6	0.97	4.5	259	414
36	Sweet potato	125	95	4.6	0.96	4.4	420	671
37	Longan (Young)	365	365	4.6	0.76	3.5	1276	2042
38	Pomelo (Young)	365	365	4.6	1.38	6.3	2317	3707
39	Mango (Young)	365	365	4.6	1.55	7.1	2602	4164

Remarks 1. No 1,2,3,column 7 have added infiltration rate =1.5 mm./day already

2. Depth of water for soaking in paddy field = 200-300 mm.

3. Depth of water for land preparation in field crop = 60-90 mm.

Crop Water Requirement in South Region

Songkhla

No	Name	Age of plant (day)	Days of Irrigated (day)	Average Evapo. (mm.)	ET/E (k'p)	ET/day (mm.)	Total Crop Water Requirement	
							mm.	cu.m./rai
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
1	Rice(High Yield Variety)	100	86	6.4	1.30	9.8	845	1351
2	Rice(Khao Dawk Mali 105)	100	86	6.4	1.14	8.8	756	1210
3	Rice (Basmati)	100	86	6.4	1.29	9.8	839	1342
4	Wheat	100	86	6.4	0.71	4.5	391	625
5	Maize	100	86	6.4	0.80	5.1	440	705
6	Sweet corn	75	68	6.4	0.79	5.1	344	550
7	Sorghum	110	96	6.4	0.79	5.1	485	777
8	Soybean	100	86	6.4	0.85	5.4	468	749
9	Ground nut	105	91	6.4	0.80	5.1	466	745
10	Mungbean	70	63	6.4	0.67	4.3	270	432
11	Sesame	90	76	6.4	0.76	4.9	370	591
12	Tobacco	90	83	6.4	0.94	6.0	499	799
13	Sunflower	110	96	6.4	0.80	5.1	492	786
14	Watermelon	85	78	6.4	1.05	6.7	524	839
15	Cotton	160	130	6.4	0.71	4.5	591	945
16	Sugarcane	300	270	6.4	0.71	4.5	1227	1963
17	Castor bean	230	200	6.4	0.73	4.7	934	1495
18	Taro	170	156	6.4	1.48	9.5	1478	2364
19	Asparagus	365	365	6.4	0.82	5.2	1916	3065
20	Tomato	110	96	6.4	1.01	6.5	621	993
21	Onion	100	86	6.4	0.90	5.8	495	793
22	Shallot	85	71	6.4	0.84	5.4	382	611
23	Garlic	110	96	6.4	0.55	3.5	338	541
24	Potato	95	81	6.4	0.89	5.7	461	738

Crop Water Requirement in South Region(cont.)

Songkhla

No	Name	Age of plant (day)	Days of Irrigated (day)	Average Evapo. (mm.)	ET/E (k'p)	ET/day (mm.)	Total Crop Water Requirement	
							mm.	cu.m./rai
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
25	Bird peper	150	120	6.4	0.79	5.1	607	971
26	Bitter gourd	75	68	6.4	0.94	6.0	409	655
27	Cauliflower	45	45	6.4	0.86	5.5	248	396
28	Chinese kale	55	55	6.4	0.59	3.8	208	332
29	Yard long bean	80	73	6.4	0.77	4.9	360	576
30	Sugar pea	85	78	6.4	0.76	4.9	379	607
31	Winged bean	135	105	6.4	0.74	4.7	497	796
32	Chinese white cabbage	45	45	6.4	0.59	3.8	170	272
33	Celery cabbage	60	60	6.4	0.64	4.1	246	393
34	Chinese radish	45	45	6.4	0.81	5.2	233	373
35	Baby corn	65	58	6.4	0.97	6.2	360	576
36	Sweet potato	125	95	6.4	0.96	6.1	584	934
37	Longan (Young)	365	365	6.4	0.76	4.9	1775	2841
38	Pomelo (Young)	365	365	6.4	1.38	8.8	3224	5158
39	Mango (Young)	365	365	6.4	1.55	9.9	3621	5793

Remarks 1. No 1,2,3,column 7 have added infiltration rate =1.5 mm./day already

2. Depth of water for soaking in paddy field = 200-300 mm.

3. Depth of water for land preparation in field crop = 60-90 mm.

Crop Water Requirement in South Region

Satun

No	Name	Age of plant (day)	Days of Irrigated (day)	Average Evapo. (mm.)	ET/E (k'p)	ET/day (mm.)	Total Crop Water Requirement	
							mm.	cu.m./rai
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
1	Rice(High Yield Variety)	100	86	4.8	1.30	7.7	666	1065
2	Rice(Khao Dawk Mali 105)	100	86	4.8	1.14	7.0	600	959
3	Rice (Basmati)	100	86	4.8	1.29	7.7	662	1058
4	Wheat	100	86	4.8	0.71	3.4	293	469
5	Maize	100	86	4.8	0.80	3.8	330	528
6	Sweet corn	75	68	4.8	0.79	3.8	258	413
7	Sorghum	110	96	4.8	0.79	3.8	364	582
8	Soybean	100	86	4.8	0.85	4.1	351	561
9	Ground nut	105	91	4.8	0.80	3.8	349	559
10	Mungbean	70	63	4.8	0.67	3.2	203	324
11	Sesame	90	76	4.8	0.76	3.6	277	444
12	Tobacco	90	83	4.8	0.94	4.5	374	599
13	Sunflower	110	96	4.8	0.80	3.8	369	590
14	Watermelon	85	78	4.8	1.05	5.0	393	629
15	Cotton	160	130	4.8	0.71	3.4	443	709
16	Sugarcane	300	270	4.8	0.71	3.4	920	1472
17	Castor bean	230	200	4.8	0.73	3.5	701	1121
18	Taro	170	156	4.8	1.48	7.1	1108	1773
19	Asparagus	365	365	4.8	0.82	3.9	1437	2299
20	Tomato	110	96	4.8	1.01	4.8	465	745
21	Onion	100	86	4.8	0.90	4.3	372	594
22	Shallot	85	71	4.8	0.84	4.0	286	458
23	Garlic	110	96	4.8	0.55	2.6	253	406
24	Potato	95	81	4.8	0.89	4.3	346	554

Crop Water Requirement in South Region(cont.)

Satun

No	Name	Age of plant (day)	Days of Irrigated (day)	Average Evapo. (mm.)	ET/E (k'p)	ET/day (mm.)	Total Crop Water Requirement	
							mm.	cu.m./rai
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
25	Bird peper	150	120	4.8	0.79	3.8	455	728
26	Bitter gourd	75	68	4.8	0.94	4.5	307	491
27	Cauliflower	45	45	4.8	0.86	4.1	186	297
28	Chinese kale	55	55	4.8	0.59	2.8	156	249
29	Yard long bean	80	73	4.8	0.77	3.7	270	432
30	Sugar pea	85	78	4.8	0.76	3.6	285	455
31	Winged bean	135	105	4.8	0.74	3.6	373	597
32	Chinese white cabbage	45	45	4.8	0.59	2.8	127	204
33	Celery cabbage	60	60	4.8	0.64	3.1	184	295
34	Chinese radish	45	45	4.8	0.81	3.9	175	280
35	Baby corn	65	58	4.8	0.97	4.7	270	432
36	Sweet potato	125	95	4.8	0.96	4.6	438	700
37	Longan (Young)	365	365	4.8	0.76	3.6	1332	2130
38	Pomelo (Young)	365	365	4.8	1.38	6.6	2418	3868
39	Mango (Young)	365	365	4.8	1.55	7.4	2716	4345

Remarks 1. No 1,2,3,column 7 have added infiltration rate =1.5 mm./day already

2. Depth of water for soaking in paddy field = 200-300 mm.

3. Depth of water for land preparation in field crop = 60-90 mm.

Crop Water Requirement in South Region

Surat Thani

No	Name	Age of plant (day)	Days of Irrigated (day)	Average Evapo. (mm.)	ET/E (k'p)	ET/day (mm.)	Total Crop Water Requirement	
							mm.	cu.m./rai
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
1	Rice(High Yield Variety)	100	86	5.2	1.30	8.3	710	1137
2	Rice(Khao Dawk Mali 105)	100	86	5.2	1.14	7.4	639	1022
3	Rice (Basmati)	100	86	5.2	1.29	8.2	706	1129
4	Wheat	100	86	5.2	0.71	3.7	318	508
5	Maize	100	86	5.2	0.80	4.2	358	572
6	Sweet corn	75	68	5.2	0.79	4.1	279	447
7	Sorghum	110	96	5.2	0.79	4.1	394	631
8	Soybean	100	86	5.2	0.85	4.4	380	608
9	Ground nut	105	91	5.2	0.80	4.2	379	606
10	Mungbean	70	63	5.2	0.67	3.5	219	351
11	Sesame	90	76	5.2	0.76	4.0	300	481
12	Tobacco	90	83	5.2	0.94	4.9	406	649
13	Sunflower	110	96	5.2	0.80	4.2	399	639
14	Watermelon	85	78	5.2	1.05	5.5	426	681
15	Cotton	160	130	5.2	0.71	3.7	480	768
16	Sugarcane	300	270	5.2	0.71	3.7	997	1595
17	Castor bean	230	200	5.2	0.73	3.8	759	1215
18	Taro	170	156	5.2	1.48	7.7	1201	1921
19	Asparagus	365	365	5.2	0.82	4.3	1556	2490
20	Tomato	110	96	5.2	1.01	5.3	504	807
21	Onion	100	86	5.2	0.90	4.7	402	644
22	Shallot	85	71	5.2	0.84	4.4	310	496
23	Garlic	110	96	5.2	0.55	2.9	275	439
24	Potato	95	81	5.2	0.89	4.6	375	600

Crop Water Requirement in South Region(cont.)

Surat Thani

No	Name	Age of plant (day)	Days of Irrigated (day)	Average Evapo. (mm.)	ET/E (k'p)	ET/day (mm.)	Total Crop Water Requirement	
							mm.	cu.m./rai
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
25	Bird peper	150	120	5.2	0.79	4.1	493	789
26	Bitter gourd	75	68	5.2	0.94	4.9	332	532
27	Cauliflower	45	45	5.2	0.86	4.5	201	322
28	Chinese kale	55	55	5.2	0.59	3.1	169	270
29	Yard long bean	80	73	5.2	0.77	4.0	292	468
30	Sugar pea	85	78	5.2	0.76	4.0	308	493
31	Winged bean	135	105	5.2	0.74	3.8	404	646
32	Chinese white cabbage	45	45	5.2	0.59	3.1	138	221
33	Celery cabbage	60	60	5.2	0.64	3.3	200	319
34	Chinese radish	45	45	5.2	0.81	4.2	190	303
35	Baby corn	65	58	5.2	0.97	5.0	293	468
36	Sweet potato	125	95	5.2	0.96	5.0	474	759
37	Longan (Young)	365	365	5.2	0.76	4.0	1442	2308
38	Pomelo (Young)	365	365	5.2	1.38	7.2	2619	4191
39	Mango (Young)	365	365	5.2	1.55	8.1	2942	4707

Remarks 1. No 1,2,3,column 7 have added infiltration rate =1.5 mm./day already

2. Depth of water for soaking in paddy field = 200-300 mm.

3. Depth of water for land preparation in field crop = 60-90 mm.