Table VII.3.2 (73/88) METEOROLOGICAL DATA AT PASAR KAMPAR, SENTAJO, AND PERANAP

(D-1-13) 1992

(Unit : %)

Moth	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Jan.	63	28	31	51	40	0	26	30	71	61	63	40	79	79	40	9	16	15	59	18	42	21	53	4	78	70	30	65	57	18	33
Feb.	34	37	35	39	31	58	31	61	34	38	36	54	47	59	59	84	66	1	69	71	32	70	488	25	52	34	28	26	29	-	-
Mar.	59	7	49	52	46	51	33	67	24	69	35	64	63	59	71	67	36	50	56	63	54	60	44	26	58	75	62	64	19	2	38
Apr.	5	78	16	39	0	59	336	66	31	41	50	57	75	59	56	26	64	64	-	-	-	-	-	-	-	-	-	-	-	-	-
May	-	-	-	-	-	-	38	47	31	76	0	63	61	66	34	71	61	57	25	69	0	69	42	31	12	63	49	70	68	8	82
June	18	66	55	75	61	61	65	36	0	59	71	0	61	30	78	23	60	44	11	75	75	78	59	69	23	56	3	46	37	0	-
July	65	24	29	67	72	75	76	61	35	22	56	18	0	67	43	76	68	49	49	66	47	43	13	63	40	76	69	0	66	70	57
Aug.	59	79	19	64	74	79	66	58	0	27	10	4	42	8	47	2	5	55	22	52	20	54	79	6	61	48	43	17	7	22	28
Sep.	29	37	42	5	53	37	0	51	0	26	45	53	46	52	25	42	51	58	24	38	27	22	9	36	34	38	48	13	36	49	-
Oct.	28	6	17	50	39	29	60	34	10	49	39	55	31	46	10	37	36	36	21	26	37	46	32	45	5	29	25	2	29	30	30
Nov.	38	52	17	58	22	34	19	0	9	1	0	15	5	35	0	2	6	16	2	43	29	21	0	15	13	10	8	15	0	0	-
Dec.	23	13	4	1	28	4	34	26	24	16	4	12	24	0	10	4	5	8	0	8	14	30	15	32	41	6	4	35	32	4	25

(D-1-14) 1993

(Unit : %)

Moth	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Jan.	31	5	12	14	28	21	29	36	47	30	43	16	28	25	20	24	24	0	0	32	22	11	39	30	8	0	11	13	23	13	2
Feb.	35	27	2	9	20	13	24	23	1	25	15	9	3	0	31	27	17	46	41	3	32	1	31	61	53	42	8	11	-	-	-
Mar.	0	0	7	39	0	38	0	0	0	4	17	36	18	3	15	7	27	0	32	25	32	52	32	25	28	45	23	37	32	21	7
Apr.	12	45	55	54	0	51	0	10	14	9	31	0	21	0	12	32	66	46	45	40	22	37	0	41	38	17	32	12	0	21	-
May	18	7	6	41	5	21	0	42	56	0	24	33	25	0	40	32	5	14	22	40	50	41	19	41	59	19	21	48	0	0	41
June	12	67	41	40	27	48	58	66	23	56	69	47	78	59	47	74	78	52	38	60	4	51	52	56	83	61	7	62	35	35	-
July	33	12	67	42	22	17	28	61	9	52	23	52	51	74	82	81	60	27	72	68	60	46	41	35	82	5	32	33	47	68	61
Aug.	68	84	75	67	32	68	44	72	27	25	41	67	35	40	33	53	45	11	58	19	51	25	47	45	0	55	30	66	33	74	32
Sep.	41	16	48	47	46	39	21	59	67	70	30	30	0	65	53	21	22	0	2	0	0	0	55	74	59	28	55	4	47	27	-
Oct.	20	13	12	46	7	19	28	38	19	24	16	40	12	42	58	68	58	51	47	68	67	33	43	73	82	47	46	0	0	47	55
Nov.	82	21	21	43	16	1	20	0	40	28	25	12	28	65	17	39	22	75	42	40	46	12	63	17	16	0	24	21	17	9	-
Dec.	0	37	45	77	1	40	16	30	21	28	14	23	59	73	74	81	38	82	45	44	11	2	14	9	18	26	37	17	54	42	19

Table VII.3.2 (74/88) METEOROLOGICAL DATA AT PASAR KAMPAR, SENTAJO, AND PERANAP

2). Sentajo (Indragiri Hulu Basin)

Observation Station : Sentajo
Observation Period : 1979-1993 (15 years)

(D-2-1) 1979 (Unit : %)

Moth	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Jan.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Feb.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mar.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Apr.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
May	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
June	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
July	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aug.	0	57	56	41	20	61	13	48	82	73	78	59	77	79	81	75	48	66	71	70	52	8	21	25	47	28	78	0	31	87	66
Sep.	80	54	62	45	32	62	37	37	52	45	48	28	51	69	32	73	23	43	75	41	42	53	64	0	53	81	78	78	52	37	-
Oct.	79	57	55	50	35	63	36	33	52	42	32	41	25	59	64	32	45	20	18	30	12	16	11	20	6	61	82	32	33	40	38
Nov.	76	58	39	23	45	89	65	38	54	40	16	12	19	32	46	26	48	54	37	43	25	62	73	47	6	7	50	1	3	37	-
Dec.	11	16	35	48	18	46	30	53	49	34	19	54	12	12	14	25	50	17	13	26	44	61	68	34	4	58	37	12	13	32	23

(D-2-2)1980 (Unit : %)

Month	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Jan.	19	17	41	19	16	51	42	26	8	30	64	40	18	55	40	14	21	38	8	18	2	71	3	0	22	24	58	9	81	80	56
Feb.	90	68	65	59	68	1	24	29	33	21	33	8	26	27	49	31	35	21	30	43	58	38	2	22	9	4	45	11	64	-	-
Mar.	8	42	4	78	54	62	25	49	49	68	3	66	38	9	53	53	61	48	47	60	67	53	14	35	33	17	64	37	33	38	-
Apr.	64	51	3	28	58	47	43	45	48	33	42	27	78	55	44	0	33	14	3	53	71	30	72	30	78	54	33	41	14	86	-
May	60	37	48	78	60	39	61	0	67	29	51	4	78	88	59	62	68	82	80	71	39	64	76	50	77	68	20	73	28	70	29
June	36	75	84	37	69	22	56	67	59	80	58	79	57	18	40	23	81	32	78	72	93	82	72	62	61	32	46	79	66	73	-
July	48	58	0	62	79	88	79	89	77	45	22	49	73	69	41	38	38	72	55	71	70	43	69	20	67	43	63	41	74	65	67
Aug.	75	7	81	34	1	2	56	56	58	10	8	77	27	44	22	59	78	40	76	68	38	41	8	58	68	72	57	35	61	14	0
Sep.	36	18	47	58	22	38	26	46	2	44	48	60	50	46	74	42	56	42	62	13	46	52	28	52	77	78	33	44	52	0	-
Oct.	32	70	51	9	30	45	54	64	33	77	62	3	38	31	42	3	5	21	54	37	76	52	66	62	38	57	47	42	40	0	18
Nov.	41	35	40	36	58	26	86	45	57	9	46	69	84	16	38	2	38	63	8	35	52	14	48	41	43	62	61	8	40	26	-
Dec.	15	21	35	50	53	47	2	21	40	43	7	21	14	59	57	53	65	65	12	4	17	41	54	19	52	37	6	56	41	4	46

Table VII.3.2 (75/88) METEOROLOGICAL DATA AT PASAR KAMPAR, SENTAJO, AND PERANAP

(D-2-3) 1981

(Unit : %)

Moth	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Jan.	0	41	2	30	0	4	53	20	59	38	64	62	82	71	27	36	35	41	30	46	26	25	31	11	4	9	52	45	13	63	54
Feb.	69	27	0	28	18	20	20	44	16	46	39	29	33	0	13	25	78	84	57	47	71	22	36	52	22	45	26	31	-	-	-
Mar.	51	60	17	70	50	31	41	44	30	46	38	20	56	66	66	72	45	51	36	17	17	61	81	68	75	69	40	68	51	60	65
Apr.	52	0	0	47	51	33	10	33	32	31	56	39	37	67	46	84	71	80	36	73	69	63	52	28	42	5	62	30	65	42	-
May	61	44	32	55	40	60	66	36	78	66	79	15	78	63	61	53	85	70	8	90	17	23	78	20	24	12	10	29	46	13	41
June	76	41	62	30	55	33	38	61	71	51	70	78	41	10	48	25	41	4	47	50	57	51	42	45	28	49	52	52	59	29	-
July	63	52	71	79	36	52	57	69	69	67	72	59	34	17	76	71	71	80	71	13	31	56	44	18	41	0	79	21	41	44	35
Aug.	85	78	52	76	68	83	59	84	77	84	91	64	81	75	76	73	53	35	66	42	46	59	81	59	0	2	47	22	53	45	55
Sep.	38	4	32	16	60	65	60	47	62	70	54	72	39	22	8	35	12	56	42	65	26	14	30	29	36	10	35	33	65	80	-
Oct.	57	47	55	67	56	40	48	66	48	70	22	35	72	51	16	0	0	40	36	34	78	49	34	21	22	36	45	75	63	40	50
Nov.	61	24	33	21	27	56	45	85	62	46	60	28	41	27	62	52	69	75	59	44	53	56	2	58	12	27	30	49	33	5	-
Dec.	39	56	27	39	50	2	60	50	55	61	60	33	57	42	26	30	20	15	2	38	7	12	31	18	6	14	3	23	59	50	43

(D-2-4) 1982

(Unit : %)

Moth	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Jan.	33	22	47	5	31	11	12	23	35	2	10	6	5	2	78	50	22	35	52	81	62	2	45	7	37	13	15	37	58	26	17
Feb.	68	31	16	1	26	26	68	61	36	36	44	9	26	39	50	24	22	72	53	44	41	64	42	84	72	61	0	42	-	-	-
Mar.	61	56	57	16	17	64	0	38	36	34	40	2	55	36	17	55	57	8	68	27	41	37	18	52	16	30	46	36	56	45	65
Apr.	43	88	69	12	33	53	49	75	72	24	53	59	52	48	3	76	41	38	55	71	18	64	23	64	77	17	43	14	46	54	-
May	6	51	60	82	63	79	12	44	66	79	45	76	67	27	63	67	16	18	36	1	50	49	35	26	48	51	80	28	29	28	24
June	38	35	32	63	39	22	36	84	88	82	81	77	79	49	51	33	12	57	71	85	42	61	52	70	70	75	62	60	61	80	-
July	74	51	72	73	75	31	72	45	81	75	47	61	72	59	56	66	57	17	5	32	68	71	0	71	46	63	72	75	77	64	62
Aug.	72	69	38	40	36	35	37	64	79	58	4	33	2	28	31	41	12	32	43	61	7	25	0	14	58	15	14	16	41	50	17
Sep.	52	72	0	43	38	61	62	79	41	53	0	0	-	-	-	-	-	-	0	0	0	17	5	2	76	72	11	8	75	2	-
Oct.	46	0	7	44	41	13	16	32	-	34	7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	71	4	9
Nov.	44	48	60	70	59	37	19	47	31	26	32	28	60	54	38	53	67	71	71	60	34	29	72	49	14	65	68	32	51	64	-
Dec.	29	57	61	43	52	61	64	67	12	37	2	65	4	44	33	15	47	41	7	17	9	0	23	26	0	0	3	0	0	13	0

Table VII.3.2 (76/88) METEOROLOGICAL DATA AT PASAR KAMPAR, SENTAJO, AND PERANAP

(D-2-5) 1983

(Unit : %)

Moth	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Jan.	18	3	52	30	12	15	50	0	39	50	30	35	33	2	25	25	1	6	13	21	10	24	2	9	0	13	13	23	0	12	56
Feb.	67	27	40	2	28	70	52	56	59	22	47	53	79	67	48	55	62	33	3	15	64	13	61	71	65	53	73	50	-	-	-
Mar.	31	19	46	29	36	31	71	52	36	40	55	40	19	65	19	16	49	27	61	36	82	47	11	69	40	65	23	64	58	53	66
Apr.	66	42	46	36	68	50	59	32	59	70	60	14	51	47	54	21	62	39	51	26	0	65	15	62	44	40	31	25	34	20	-
May	61	29	49	68	45	67	17	51	66	56	76	35	42	83	46	27	38	51	70	72	59	76	60	0	61	67	27	45	58	23	63
June	4	56	61	56	51	6	40	36	39	19	30	4.8	7	17	31	36	47	29	20	42	17	6	32	26	22	32	43	4	37	32	-
July	4	47	70	63	82	3	73	45	6	72	3	61	36	67	74	83	81	35	22	42	17	52	77	35	60	76	60	76	42	36	42
Aug.	84	54	31	16	38	50	67	78	36	71	57	7	68	62	50	71	50	46	52	32	60	37	0	72	12	81	72	81	74	72	39
Sep.	42	41	14	32	49	29	28	20	33	18	3	55	61	49	36	4	64	41	68	62	57	7	59	0	29	59	58	13	19	41	-
Oct.	40	2	72	54	60	50	65	10	79	23	39	65	75	11	27	8	61	55	50	26	47	30	7	25	34	38	26	59	12	31	38
Nov.	0	40	84	64	39	78	31	12	45	51	45	42	5	23	1	41	49	33	74	75	71	64	4	64	66	40	60	30	25	44	-
Dec.	66	44	45	56	22	54	19	43	55	51	45	22	13	8	26	64	0	0	7	16	50	44	36	6	0	46	31	6	31	15	76

(D-2-6) 1984

(Unit : %)

Moth	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Jan.	0	47	48	52	21	18	25	3	31	10	10	0	13	13	48	9	0	49	3	7	18	50	58	66	0	11	32	2	42	40	41
Feb.	49	0	13	33	78	6	19	1	0	41	50	43	49	33	22	36	53	13	37	7	41	51	17	40	26	40	46	33	4	-	-
Mar.	6	12	3	12	2	5	38	47	54	16	22	33	36	36	53	9	59	64	52	64	12	47	50	27	49	0	39	0	56	52	59
Apr.	52	55	72	53	63	71	23	51	60	6	30	47	0	51	0	26	3	47	55	42	60	64	14	42	65	9	79	28	56	51	-
May	52	76	27	60	36	50	38	27	72	16	37	41	43	70	58	46	80	73	71	61	80	78	0	71	52	58	42	0	53	56	29
June	56	40	32	10	18	2	13	39	43	13	29	16	43	34	42	21	32	9	16	48	0	46	44	34	0	10	7	14	36	39	-
July	49	18	29	42	44	42	56	34	10	55	24	24	42	56	48	18	36	17	7	22	53	28	27	22	69	83	49	43	67	61	78
Aug.	42	96	31	5	50	4	50	18	29	74	69	19	56	5	64	78	64	67	66	7	42	68	80	63	49	30	51	41	20	75	27
Sep.	12	66	47	36	73	20	12	53	46	56	13	59	52	71	42	56	8	76	58	51	67	25	52	70	56	22	43	53	41	35	-
Oct.	12	50	35	22	71	41	75	52	77	0	58	53	41	71	0	85	0	46	42	55	36	83	47	58	61	3	0	18	31	43	19
Nov.	40	35	33	54	63	36	35	55	50	34	69	78	42	50	75	51	60	28	64	53	51	48	35	11	65	38	1	63	78	30	-
Dec.	51	30	47	13	29	73	35	73	41	54	11	16	64	55	58	9	30	16	65	61	58	21	49	5	22	18	300	28	24	6	63

Table VII.3.2 (77/88) METEOROLOGICAL DATA AT PASAR KAMPAR, SENTAJO, AND PERANAP

(D-2-7) 1985

(Unit : %)

Moth	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Jan.	22	60	69	43	63	64	16	2	17	16	9	35	54	4	45	55	65	80	79	61	54	81	46	4	30	41	21	21	31	20	26
Feb.	42	23	0	55	66	55	54	56	59	43	20	30	6	35	1	40	84	57	50	55	27	68	42	46	60	55	61	16	-	-	-
Mar.	14	57	39	54	5	29	11	16	48	79	66	54	57	0	61	25	51	7	39	8	37	41	68	53	60	77	79	60	70	49	1
Apr.	33	2	27	53	37	32	51	71	71	66	66	53	12	14	62	33	13	2	46	40	55	51	50	55	12	8	51	73	77	76	-
May	78	76	66	18	66	51	60	72	80	56	49	59	44	53	37	57	46	70	15	80	47	50	74	47	24	12	30	34	57	74	67
June	65	61	54	61	45	0	0	38	31	40	24	34	3	40	46	26	0	41	36	33	43	43	47	42	7	44	40	46	48	39	-
July	39	36	47	2	44	46	13	42	48	2	52	61	40	0	48	66	71	50	66	67	57	0	44	84	56	51	48	34	32	58	54
Aug.	72	0	52	0	70	37	40	67	76	43	32	59	61	44	32	20	52	70	31	37	56	51	4	60	68	28	59	82	56	76	70
Sep.	11	69	14	43	41	73	63	46	22	36	66	44	69	64	40	63	67	69	60	37	41	59	55	56	51	41	50	42	73	11	-
Oct.	42	32	30	32	62	35	64	1	32	27	36	28	70	46	25	61	33	31	33	1	63	54	48	39	15	1	44	42	63	61	47
Nov.	40	70	76	36	61	75	42	84	0	0	55	30	46	13	62	47	66	24	30	65	33	46	60	27	27	53	36	66	23	41	-
Dec.	56	38	69	58	63	63	42	45	16	33	23	45	13	63	45	7	53	8	43	36	56	31	46	61	2	11	0	13	2	15	30

(D-2-8) 1986

(Unit : %)

Moth	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Jan.	39	49	1	5	4	0	0	0	0	0	16	49	52	57	40	70	38	26	26	38	41	57	30	35	0	3	2	32	26	24	50
Feb.	56	41	46	26	20	10	55	34	58	62	42	48	64	76	60	25	39	40	31	24	65	28	49	65	48	13	60	10	-	-	-
Mar.	2	10	0	6	2	0	10	52	43	49	46	68	66	54	74	8	61	62	68	39	70	26	61	64	26	41	13	24	48	49	70
Apr.	29	61	23	61	32	51	27	32	62	42	73	19	70	79	56	40	43	76	56	46	62	66	41	81	79	26	71	71	58	45	-
May	46	0	41	10	54	43	51	20	24	61	78	61	46	44	56	44	58	65	67	78	85	39	73	59	72	60	73	75	61	76	50
June	62	35	17	9	0	36	36	37	46	0	43	0	36	0	25	0	0	31	36	33	32	40	37	29	40	33	25	41	27	66	-
July	43	100	75	28	41	48	46	0	22	7	40	56	3	47	58	77	89	0	0	87	81	29	76	72	75	51	76	37	47	54	16
Aug.	9	43	13	47	78	48	71	84	80	70	51	55	68	85	86	74	1	19	64	39	52	36	51	2	0	0	0	58	36	39	22
Sep.	44	3	0	0	0	41	17	48	8	51	23	78	46	37	41	72	46	71	72	32	38	30	50	71	50	38	51	67	47	13	-
Oct.	26	25	23	37	46	0	57	18	28	23	33	38	49	36	65	71	57	79	59	73	58	12	70	24	56	73	65	30	31	53	67
Nov.	54	63	45	4	13	67	60	70	65	69	48	3	18	50	46	68	49	59	34	13	31	24	23	45	61	16	10	46	16	41	-
Dec.	30	18	37	29	63	23	8	21	2	16	19	51	35	27	50	36	16	9	26	29	21	38	9	21	29	8	32	17	20	31	53

Table VII.3.2 (78/88) METEOROLOGICAL DATA AT PASAR KAMPAR, SENTAJO, AND PERANAP

(D-2-9) 1987

(Unit : %)

Moth	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Jan.	33	53	35	16	41	8	9	5	0	0	17	10	1	19	20	56	29	10	20	3	25	40	26	14	0	10	72	11	25	44	66
Feb.	78	69	69	49	40	41	37	23	45	41	14	19	16	68	61	49	27	27	50	25	11	50	56	30	34	73	59	45	-	-	-
Mar.	17	22	21	7	31	8	15	0	7	7	17	74	69	63	75	60	60	14	51	43	65	51	59	78	77	73	2	80	42	16	-
Apr.	47	70	18	75	54	22	26	39	24	60	75	71	68	0	46	71	60	66	50	36	50	44	56	43	44	40	17	51	32	-	-
May	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
June	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
July	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aug.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sep.	0	77	62	26	53	24	49	49	46	17	25	16	24	36	80	18	76	50	41	16	48	68	70	58	55	0	59	42	63	-	-
Oct.	68	63	62	73	51	60	62	47	0	60	45	14	29	44	76	60	16	61	13	3	62	38	9	53	42	24	16	9	72	59	65
Nov.	75	59	59	69	35	62	31	5	38	16	50	46	34	39	42	86	84	29	74	57	72	40	45	45	75	82	49	60	9	60	-
Dec.	19	27	14	7	19	5	44	29	59	6	7	2	52	77	52	31	41	22	59	45	68	48	43	79	72	77	29	52	76	50	59

(D-2-10) 1988

(Unit : %)

Moth	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Jan.	38	47	33	73	44	15	9	16	51	65	45	44	40	36	5	10	13	2	20	5	13	38	53	43	32	28	1	50	47	33	47
Feb.	2	69	16	58	24	52	77	46	67	79	26	29	41	69	83	64	56	56	74	65	13	31	36	63	36	55	54	49	56	-	-
Mar.	31	46	28	16	2	58	46	26	18	30	15	25	54	45	22	56	46	53	60	51	10	68	29	3	0	7	5	64	82	70	47
Apr.	81	41	41	42	31	5	37	7	31	36	29	38	26	20	30	19	53	78	52	56	56	74	66	62	67	60	79	51	39	53	-
May	40	33	77	2	87	71	77	81	31	61	46	26	81	59	44	44	10	11	24	30	30	55	53	41	46	49	46	44	46	31	44
June	26	41	15	16	16	20	2	41	39	36	37	33	23	39	40	32	42	11	23	33	26	25	0	23	30	37	25	20	24	0	-
July	22	4	25	33	34	12	3	24	22	31	0	30	28	36	35	44	33	49	27	44	36	37	30	27	37	12	49	47	57	43	50
Aug.	41	69	39	65	69	17	75	82	-	55	55	56	29	19	-	10	70	31	65	4	45	39	26	26	21	85	55	57	35	60	49
Sep.	52	59	7	59	49	8	29	89	40	0	30	48	49	43	67	50	51	46	45	12	16	51	23	0	38	17	46	55	43	21	-
Oct.	35	24	11	14	67	63	57	35	42	26	41	18	50	54	55	-	52	29	73		38	50		13	49	37	24	31	42	-	58
Nov.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dec.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Table VII.3.2 (79/88) METEOROLOGICAL DATA AT PASAR KAMPAR, SENTAJO, AND PERANAP

(D-2-11) 1989 (Unit : %)

Moth	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Jan.	11	35	8	7	20	49	22	15	41	35	16	1	23	24	19	6	0	12	20	4	0	35	65	2	74	77	68	73	82	61	82
Feb.	30	56	53	26	56	52	45	23	2	25	5	18	12	35	25	0	30	36	0	34	34	24	4	42	22	-	18	22	-	-	-
Mar.	26	0	15	26	65	24	49	30	42	12	21	22	69	36	51	47	51	80	53	18	63	68	41	67	7	74	63	59	34	58	43
Apr.	75	47	33	21	47	62	46	14	70	26	16	60	-	3	0	41	64	4	70	81	88	-	85	56	28	60	68	76	57	55	-
May	61	80	76	61	66	7	83	85	17	54	77	38	46	48	31	19	38	46	35	6	42	45	31	1	40	0	36	38	42	36	19
June	37	4	32	4	28	0	22	27	32	37	37	24	31	35	32	40	12	32	10	17	0	28	12	13	37	42	37	11	30	32	-
July	36	24	37	0	4	7	41	39	40	24	24	36	32	2	24	21	33	19	7	45	43	51	42	56	46	52	35	46	18	32	62
Aug.	63	4	62	5	23	71	5	51	24	9	44	64	64	21	61	61	66	7	13	61	15	26	28	62	52	72	37	43	30	75	58
Sep.	88	57	65	30	53	71	60	28	23	47	75	46	66	71	36	37	56	44	58	59	43	33	11	45	40	44	37	4	64	30	-
Oct.	40	12	8	33	85	3	47	31	31	31	37	15	62	16	57	40	24	70	71	7	50	64	11	26	40	41	43	22	40	32	47
Nov.	44	35	66	64	25	69	47	59	7	41	67	62	19	74	43	34	33	69	43	25	7	61	28	39	28	71	64	50	31	6	-
Dec.	29	17	2	14	30	21	19	33	40	27	28	47	52	76	61	55	53	38	57	41	66	68	66	42	40	41	47	53	9	11	21

(D-2-12) 1990 (Unit : %)

Moth	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Jan.	7	42	40	68	22	40	74	46	61	74	45	42	48	54	38	21	2	63	2	70	31	33	18	26	36	68	70	52	73	54	69
Feb.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mar.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Apr.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
May	-	13	0	5	24	3	16	29	24	17	22	27	18	12	19	14	22	0	8	25	15	25	24	22	10	22	37	33	35	35	23
June	34	37	20	38	20	34	31	32	21	27	2	34	44	35	36	37	38	31	27	2	29	27	32	29	26	17	0	27	29	27	-
July	27	33	31	13	27	33	13	13	37	26	0	0	19	35	41	41	0	9	12	16	17	6	3	22	1	40	40	57	13	24	27
Aug.	19	34	45	30	12	51	56	55	17	28	3	34	27	60	63	64	28	31	55	58	58	55	71	33	36	49	68	12	64	56	12
Sep.	56	65	63	0	7	6	43	37	11	24	56	44	28	20	12	49	36	0	60	3	26	8	36	33	38	14	17	22	58	41	-
Oct.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nov.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dec.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Table VII.3.2 (80/88) METEOROLOGICAL DATA AT PASAR KAMPAR, SENTAJO, AND PERANAP

(D-2-13) 1991

(Unit : %)

Moth	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Jan.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Feb.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mar.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Apr.	30	28	39	51	32	51	48	33	38	51	52	26	35	31	17	19	30	51	49	58	66	17	21	66	76	59	63	74	61	53	-
May	57	48	66	19	75	18	50	33	33	2	61	75	46	80	41	19	8	55	51	69	26	75	22	58	70	61	31	67	6	51	64
June	7	19	23	0	0	29	32	25	20	31	24	16	29	27	22	18	25	24	45	24	32	24	36	20	7	58	49	0	32	19	-
July	28	14	36	50	29	43	72	38	25	1	33	40	43	46	17	50	57	62	48	73	75	0	47	28	22	19	27	44	41	71	68
Aug.	27	66	58	69	79	63	53	56	24	55	38	35	3	43	22	49	51	50	5	15	40	35	34	51	21	54	44	40	58	43	31
Sep.	45	4	10	39	35	38	68	58	55	69	20	2	21	26	40	45	44	28	5	32	21	4	51	6	20	10	5	35	15	24	-
Oct.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nov.	34	16	31	23	16	21	50	22	27	15	32	41	46	7	15	24	15	26	17	49	17	39	21	20	2	32	20	53	27	20	-
Dec.	18	2	41	24	20	25	31	40	22	54	9	21	20	22	19	27	28	11	22	5	4	49	32	21	36	10	6	15	20	26	35

(D-2-14) 1992

(Unit : %)

Moth	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Jan.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Feb.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mar.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Apr.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
May	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
June	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
July	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aug.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sep.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Oct.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nov.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dec.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Table VII.3.2 (81/88) METEOROLOGICAL DATA AT PASAR KAMPAR, SENTAJO, AND PERANAP

(D-2-15) 1993

(Unit : %)

Moth	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Jan.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Feb.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mar.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Apr.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
May	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
June	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
July	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aug.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sep.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Oct.	46	4	30	0	34	38	0	34	26	12	3	36	23	41	29	51	2	61	20	19	42	44	44	18	28	36	38	31	3	0	4
Nov.	74	0	0	49	28	8	10	22	0	65	36	45	37	61	0	13	65	50	45	66	28	40	40	29	45	32	22	40	34	9	-
Dec.	37	0	37	71	0	26	44	2	16	12	27	12	9	48	30	49	44	41	38	46	26	15	26	1	15	30	26	35	9	34	5

Table VII.3.2 (82/88) METEOROLOGICAL DATA AT PASAR KAMPAR, SENTAJO, AND PERANAP

3). Peranap (Indragiri Hulu Basin)

Observation Station : Peranap
Observation Period : 1980-1993 (14 years)

(D-3-1) 1980

(Unit : %)

Month	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Jan.	6	34	39	78	38	134	242	214	23	24	534	213	-	55	34	21	7	53	47	8	1	53	5	-	-	-	-	-	66	75	56
Feb.	60	58	52	58	50	3	16	13	35	24	49	3	14	33	50	43	13	10	29	229	48	25	5	22	7	2	67	8	61	-	-
Mar.	52	44	10	56	35	39	16	36	65	50	0	67	23	15	48	39	13	36	48	70	53	43	0	28	5	19	44	13	10	18	60
Apr.	39	49	10	13	23	44	53	55	23	27	67	5	64	45	40	0	43	12	0	32	54	28	62	44	38	15	37	38	43	73	-
May	38	34	37	20	51	43	73	0	58	7	55	0	62	66	38	46	66	48	74	75	15	73	74	59	78	61	1	66	3	35	23
June	34	60	67	39	48	9	28	58	48	73	18	63	51	29	52	3	73	42	68	68	75	73	75	50	46	15	21	67	50	66	-
July	18	54	3	59	75	78	73	78	76	38	18	33	68	64	20	47	49	62	46	55	68	37	53	14	61	33	67	33	66	51	48
Aug.	-	3	46	34	0	8	38	42	51	8	0	64	0	36	11	37	72	14	-	57	43	19	2	69	51	54	39	26	41	14	34
Sep.	60	12	46	53	32	38	22	24	6	51	39	54	46	45	67	41	38	19	9	11	37	61	34	56	72	65	23	43	64	35	-
Oct.	7	70	70	23	46	45	51	65	32	71	42	56	46	44	37	10	18	17	39	35	78	35	57	39	23	32	64	23	52	60	60
Nov.	5	41	43	27	44	27	69	63	53	6	53	67	66	24	43	17	30	68	23	41	29	9	23	32	17	35	52	10	28	21	-
Dec.	-	13	28	27	68	61	3	38	58	38	0	27	8	28	53	37	65	57	0	0	8	13	8	24	41	14	1	31	27	9	28

(D-3-2) 1981

(Unit : %)

Month	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Jan.	53	3	38	0	0	57	21	47	52	57	60	67	55	18	17	27	42	40	36	23	5	12	6	8	18	53	20	3	45	18	70
Feb.	22	10	11	35	41	19	19	55	65	25	23	37	0	12	19	69	68	50	34	70	16	27	29	25	27	27	16	33	-	-	-
Mar.	34	41	26	65	51	65	41	40	26	43	32	12	45	61	62	66	62	36	42	18	16	66	79	55	66	72	46	68	39	63	42
Apr.	68	26	3	55	44	38	8	35	21	47	70	24	56	54	6	74	65	67	32	74	76	60	50	13	18	0	63	21	57	42	-
May	75	31	31	55	38	66	61	12	61	60	66	14	80	47	74	66	59	49	0	60	43	22	78	17	8	1	7	42	38	8	41
June	59	48	32	42	41	40	38	65	54	48	52	73	44	19	39	67	47	13	57	55	68	37	27	38	54	3	61	60	65	13	-
July	63	36	67	79	37	33	52	60	62	64	75	52	47	14	78	76	78	73	68	1	1	-	47	37	61	0	24	37	84	46	33
Aug.	58	64	52	69	59	59	35	59	55	72	62	58	72	72	72	63	54	15	72	30	12	28	78	31	1	37	58	29	62	52	69
Sep.	56	13	6	13	52	28	48	46	49	75	39	68	32	22	11	52	22	54	40	66	11	12	19	19	49	5	54	50	62	71	-
Oct.	65	40	41	49	55	48	58	68	52	66	33	37	63	37	21	2	1	24	48	42	74	58	65	4	30	54	59	75	63	50	43
Nov.	16	62	35	25	18	42	42	71	60	35	74	27	59	16	72	59	62	73	50	28	59	55	2	55	27	50	26	46	45	0	-
Dec.	25	57	23	43	46	0	58	27	52	71	48	30	26	15	32	27	13	9	4	16	22	7	16	15	0	18	27	28	28	67	44

Table VII.3.2 (83/88) METEOROLOGICAL DATA AT PASAR KAMPAR, SENTAJO, AND PERANAP

(D-3-3) 1982

(Unit : %)

Month	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Jan.	33	16	46	3	33	20	15	39	23	0	3	0	2	1	66	49	33	26	55	67	59	26	58	10	55	6	28	23	55	20	40
Feb.	52	22	10	2	11	29	66	58	46	39	24	50	28	45	60	17	21	69	57	40	43	42	36	66	60	42	22	63	-	-	-
Mar.	75	53	26	26	30	52	0	47	22	45	47	14	36	31	26	47	50	6	58	34	56	22	19	44	32	40	67	0	61	24	79
Apr.	61	87	62	10	56	22	58	70	47	40	55	45	51	55	16	51	19	22	56	44	22	69	47	66	72	24	67	0	39	53	-
May	16	58	61	74	52	75	6	61	55	75	55	61	66	20	56	73	46	42	32	32	43	56	37	58	56	52	72	40	56	57	31
June	0	22	26	59	42	17	34	81	75	70	66	73	77	53	43	33	12	45	67	79	33	60	78	63	74	76	65	50	60	76	-
July	74	62	75	74	29	51	48	28	57	76	62	70	67	62	63	52	62	55	0	33	6	58	67	43	52	56	72	73	76	66	74
Aug.	69	56	61	37	46	25	50	75	83	44	0	33	2	22	33	24	17	33	52	68	60	32	21	52	6	23	22	45	52	15	0
Sep.	55	12	0	17	34	66	34	26	41	36	0	0	0	0	0	28	0	3	0	83	12	2	0	0	22	19	0	24	56	7	-
Oct.	0	0	29	39	61	51	22	0	49	19	26	32	21	0	0	47	48	14	22	40	58	20	37	27	36	37	25	7	17	0	14
Nov.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dec.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

(D-3-4) 1983

(Unit : %)

Month	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Jan.	12	0	26	20	33	0	41	3	-	-	33	58	23	30	36	16	45	36	11	2	3	1	5	43	6	30	-	2	11	18	24
Feb.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mar.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Apr.	66	38	44	37	71	57	63	22	57	66	71	21	39	46	40	17	68	51	46	0	5	62	80	5	55	54	30	25	32	31	-
May	57	9	41	33	39	62	12	60	64	26	72	39	34	81	66	31	41	30	61	67	56	72	27	33	51	34	30	37	61	6	71
June	75	58	50	77	58	18	58	33	60	33	22	56	47	43	41	56	48	48	22	40	54	54	73	65	36	42	76	30	58	66	-
July	26	75	76	59	81	0	39	37	9	62	3	21	56	76	66	72	80	35	26	28	11	40	27	66	41	75	57	76	43	60	49
Aug.	75	52	37	15	9	38	64	67	54	41	48	19	34	35	44	63	51	45	45	53	57	40	0	52	20	81	63	75	76	73	31
Sep.	57	31	24	35	56	48	66	30	27	8	0	44	45	34	0	52	-	27	51	61	57	32	63	30	29	46	59	15	22	55	-
Oct.	21	0	75	51	76	59	62	2	69	29	31	54	68	2	12	13	60	26	59	40	30	40	6	44	62	49	12	52	2	37	41
Nov.	0	35	74	57	52	57	51	2	14	45	59	50	3	19	12	40	41	23	67	67	59	54	14	47	50	46	63	13	26	57	-
Dec.	50	19	63	65	30	55	2	46	45	38	30	23	12	1	20	16	33	12	0	28	50	59	49	11	29	39	0	3	20	17	73

Table VII.3.2 (84/88) METEOROLOGICAL DATA AT PASAR KAMPAR, SENTAJO, AND PERANAP

(D-3-5) 1984 (Unit : %)

Month	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Jan.	-	46	51	53	15	20	24	1	41	29	2	0	12	-	-	-	-	-	-	-	-	-	-	-	0	9	36	6	47	30	37
Feb.	37	0	23	35	45	19	20	1	0	30	39	17	38	10	35	22	36	1	4	44	55	55	26	-	11	59	36	40	13	-	-
Mar.	9	22	0	40	4	5	39	58	56	-	36	33	27	32	33	11	53	56	55	52	40	34	58	81	42	0	58	0	23	60	55
Apr.	55	65	65	53	48	73	30	71	40	31	36	-	2	33	0	49	7	43	37	40	71	49	24	45	69	33	79	17	49	55	-
May	17	82	13	66	27	36	45	15	71	14	47	37	17	73	38	27	75	69	54	62	68	69	47	46	57	58	56	0	51	56	40
June	61	67	38	29	43	16	22	33	59	15	68	29	41	55	76	64	81	18	58	49	56	76	52	47	0	20	12	19	76	70	-
July	66	26	37	66	46	54	81	50	36	57	25	32	31	57	66	22	34	1	27	2	47	33	-	-	-	-	41	34	62	51	78
Aug.	33	55	19	1	59	3	30	0	19	60	71	24	25	18	64	74	42	62	57	8	5	49	70	52	43	48	20	51	0	58	8
Sep.	6	63	-	-	-	-	-	-	-	-	-	-	-	66	44	52	4	71	50	48	0	0	50	75	24	32	38	60	47	40	-
Oct.	6	55	19	14	70	34	74	19	39	70	35	48	59	61	8	70	0	54	32	42	28	65	53	56	64	39	2	8	45	34	32
Nov.	40	59	47	5	55	27	49	23	26	64	70	69	59	72	-	44	50	2	60	19	46	53	34	4	37	34	0	52	59	22	-
Dec.	48	32	32	29	38	67	-	68	45	55	17	1	56	53	41	7	20	37	53	66	55	53	-	8	18	19	33	31	26	0	50

(D-3-6) 1985 (Unit : %)

Month	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Jan.	14	34	63	38	51	56	39	24	21	26	0	5	57	28	56	54	72	64	73	72	64	53	58	44	21	20	18	28	1	14	22
Feb.	21	0	36	-	35	44	48	51	56	23	12	16	4	24	2	40	63	66	58	57	40	13	45	66	53	53	56	53	-	-	-
Mar.	62	60	60	51	14	41	45	12	42	71	60	60	51	61	37	11	47	18	38	11	27	76	51	71	49	65	78	70	50	63	0
Apr.	55	6	31	64	61	46	36	58	81	56	37	46	60	53	57	3	21	62	57	64	62	35	48	3	8	53	80	-	71	3	-
May	48	76	66	14	70	48	25	77	45	77	51	10	15	48	48	55	33	65	21	74	17	47	67	37	17	13	15	53	70	80	-
June	83	78	63	71	57	0	17	33	32	72	81	29	0	76	71	39	0	66	62	37	46	64	77	67	80	81	70	82	82	81	-
July	0	69	71	0	66	71	14	56	66	0	54	83	57	0	64	81	75	40	52	71	0	55	40	80	53	43	44	11	22	51	47
Aug.	71	51	28	0	54	31	11	47	71	37	45	38	60	69	13	17	56	71	43	14	51	27	0	59	63	26	65	73	63	63	64
Sep.	-	9	40	9	56	71	69	70	50	31	50	50	49	76	42	53	60	2	41	16	36	45	36	64	44	48	41	42	75	0	-
Oct.	14	11	25	20	45	3	36	0	12	26	22	54	53	55	21	59	38	8	11	17	44	48	49	25	34	0	46	29	42	69	35
Nov.	65	59	47	5	55	27	49	23	26	64	70	69	59	72	-	44	50	2	60	19	46	53	34	4	37	34	0	52	59	22	-
Dec.	48	32	32	29	38	67	-	68	45	55	17	1	56	53	41	7	20	37	53	66	55	53	-	8	18	19	33	31	26	0	50

Table VII.3.2 (85/88) METEOROLOGICAL DATA AT PASAR KAMPAR, SENTAJO, AND PERANAP

(D-3-7) 1986

(Unit : %)

Month	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Jan.	14	23	29	40	10	0	16	0	0	0	0	0	25	45	50	42	16	63	35	16	29	29	41	46	18	19	16	1	9	28	22
Feb.	16	38	39	58	49	14	35	12	53	39	36	58	32	13	31	38	35	14	46	26	14	1	53	39	64	53	41	25	-	-	-
Mar.	48	6	23	0	0	0	3	0	0	34	42	33	45	70	51	54	60	2	60	53	66	27	47	33	63	69	20	41	17	20	29
Apr.	14	55	22	55	0	44	23	51	58	8	55	19	79	12	79	75	76	33	39	59	68	81	54	65	32	55	79	45	61	68	-
May	48	37	42	4	44	5	9	61	47	12	2	47	65	62	28	18	33	42	26	56	61	61	80	75	56	56	22	50	72	50	62
June	78	46	70	63	10	13	0	55	56	56	61	0	52	76	17	29	54	14	5	60	77	29	69	78	61	73	79	61	22	71	-
July	66	25	66	15	0	26	66	66	34	3	16	0	19	56	2	31	42	65	77	70	79	80	68	23	66	27	63	16	71	40	64
Aug.	47	12	60	23	25	67	57	0	26	69	80	21	28	21	51	77	76	42	0	20	36	12	31	42	21	3	50	2	13	43	55
Sep.	45	18	0	0	63	20	3	15	2	14	1	4	0	2	36	72	16	55	48	55	47	49	7	16	71	34	49	31	35	53	-
Oct.	9	7	26	31	30	25	2	60	16	34	0	11	17	32	20	50	55	0	63	38	52	44	0	24	24	24	31	18	55	45	26
Nov.	19	34	28	62	22	3	0	60	0	40	54	53	30	74	12	74	77	70	59	56	45	47	44	27	16	40	75	4	31	22	-
Dec.	21	35	26	35	72	47	71	54	21	15	8	20	14	38	60	25	54	31	46	0	46	14	41	41	2	12	24	21	40	30	-

(D-3-8) 1987

(Unit : %)

Month	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Jan.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Feb.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mar.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Apr.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
May	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
June	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
July	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aug.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sep.	-	-	-	-	50	16	46	3	42	38	48	26	27	11	20	35	68	26	72	11	39	16	46	68	59	43	33	0	60	26	-
Oct.	44	66	65	37	60	59	47	28	43	35	0	50	22	4	15	33	63	54	13	17	73	33	36	48	2	34	15	31	11	2	53
Nov.	45	55	36	62	40	48	33	70	17	4	49	0	45	34	45	62	26	59	73	6	62	43	63	12	21	27	72	59	25	52	-
Dec.	13	40	37	20	16	5	0	0	32	9	48	9	6	0	43	46	41	22	46	34	37	32	59	52	61	25	34	66	12	30	50

Table VII.3.2 (86/88) METEOROLOGICAL DATA AT PASAR KAMPAR, SENTAJO, AND PERANAP

(D-3-9) 1988

(Unit : %)

Month	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Jan.	-	44	21	51	39	7	8	16	49	48	49	49	72	0	25	6	0		16	8	21	10	16	52	27	21	0	33	-	-	-
Feb.	-	40	6	47	11	28	55	64	66	31	7	26	56	48	56	27	59	47	54	62	39	24	36	67	48	63	62	53	66	-	-
Mar.	28	40	29	15	3	49	41	21	6	21	3	20	31	52	6	44	41	41	60	49	0	55	31	15	2	3	0	67	86	71	38
Apr.	72	19	46	44	41	55	63	31	51	41	58	64	60	50	65	64	41	65	75	53	72	72	63	70	71	60	71	44	32	61	-
May	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
June	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
July	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aug.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sep.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Oct.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nov.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dec.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

(D-3-10) 1989

(Unit : %)

Month	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Jan.	-	45	45	-	11	27	44	22	46	53	31	8	2	35	19	64	8	7	11	7	11	-	9	69	27	64	64	52	17	71	62
Feb.	71	-	15	38	77	55	26	34	2		26	14	45	7	52	29	39	32	17	-	77	51	2	55	-	13	8	15	-	-	-
Mar.	27	7	52	-	57	62	19	17	25	41	58	37	26	63	31	49	42	23	53	55	15	59	25	57	49	37	44	65	53	42	65
Apr.	37	45	45	11	27	44	2	46	53	31	1	2	35	19	64	8	7	11	7	11	-	9	69	27	64	64	52	17	71	62	-
May	76	54	75	65	53	45	39	37	76	19	65	81	42	72	69	23	-	33	54	59	-	67	43	76	-	17	2	69	71	75	63
June	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
July	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aug.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sep.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Oct.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nov.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dec.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Table VII.3.2 (87/88) METEOROLOGICAL DATA AT PASAR KAMPAR, SENTAJO, AND PERANAP

(D-3-11) 1990

(Unit : %)

Month	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Jan.	10	26	62	62	37	30	69	28	73	75	16	26	40	19	34	12	0	50	1	54	40	25	11	11	38	35	54	37	54	45	72
Feb.	72	56	74	34	42	19	17	6	23	23	5	26	70	31	39	61	48	45	72	50	60	66	72	68	47	32	45	29	-	-	-
Mar.	55	63	75	53	55	63	6	0	14	19	55	59	36	29	54	28	30	57	47	29	50	75	29	44	38	43	56	46	42	5	24
Apr.	73	53	40	53	61	37	47	51	30	39	41	63	3	25	47	55	7	43	71	80	22	39	66	80	0	59	20	42	71	53	-
May	52	42	22	41	58	43	68	77	38	80	76	46	62	63	47	3	77	65	55	76	84	84	81	73	73	56	66	84	58	41	61
June	2	60	70	41	65	36	61	28	72	5	66	29	47	55	42	71	57	77	0	55	76	57	49	36	22	7	74	60	18	65	-
July	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aug.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sep.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Oct.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nov.	12	17	23	35	51	69	26	62	50	61	7	58	22	40	37	68	-	31	48	53	31	23	33	45	0	18	42	31	41	-	-
Dec.	2	38	21	2	24	24	44	54	27	35	41	0	18	21	21	3	42	27	8	0	46	12	31	61	70	37	54	62	46	22	18

(D-3-12) 1991

(Unit : %)

Month	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Jan.	36	39	33	2	48	37	228	58	53	2	15	72	45	12	14	0	21	44	43	0	5	30	45	39	50	54	54	46	12	25	39
Feb.	45	24	27	60	50	47	24	23	26	60	58	52	20	61	74	51	70	56	47	66	59	61	68	17	30	53	52	34	-	-	-
Mar.	46	43	34	58	69	34	17	48	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	18	46	53	56
Apr.	35	48	70	41	48	49	78	65	67	66	39	10	41	16	38	22	71	39	73	47	60	3	73	71	4	80	52	60	45	71	-
May	41	61	17	62	41	51	11	69	0	66	71	55	73	37	14	41	42	48	70	27	27	62	40	68	54	61	37	3	79	73	-
June	42	17	6	13	39	63	75	56	78	66	47	81	71	70	61	62	63	65	54	79	76	75	37	51	66	27	11	22	57	59	-
July	63	27	63	75	77	60	2	17	36	13	81	71	13	67	75	58	60	74	76	0	36	35	21	12	45	40	43	74	60	66	69
Aug.	70	41	57	84	51	44	69	33	64	76	22	46	11	0	62	32	41	3	0	38	37	32	1	0	13	13	1	65	0	32	58
Sep.	56	7	37	32	49	72	64	43	46	18	1	46	61	41	4	7	0	0	0	12	10	0	1	2	49	2	0	0	0	0	-
Oct.	0	0	0	0	0	0	0	0	0	0	0	13	0	0	48	53	15	34	24	2	22	31	4	0	22	0	0	0	0	1	21
Nov.	49	26	42	27	35	17	22	33	1	45	26	39	3	17	22	34	34	26	45	58	23	18	40	1	37	35	0	45	33	30	-
Dec.	32	31	21	11	5	0	9	14	23	22	73	39	22	34	33	14	22	7	14	2	0	27	0	53	6	41	45	0	12	51	21

Table VII.3.2 (88/88) METEOROLOGICAL DATA AT PASAR KAMPAR, SENTAJO, AND PERANAP

(D-3-13) 1992

(Unit : %)

Month	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Jan.	21	45	43	36	36	25	22	56	59	68	58	71	51	45	22	40	7	20	19	41	31	7	14	45	45	60	38	13	26	28	17
Feb.	45	41	26	47	18	26	46	26	17	32	39	49	38	47	63	59	23	21	57	74	32	68	58	65	52	47	28	24	17	-	-
Mar.	0	13	48	46	31	24	50	17	58	39	70	24	1	73	60	62	51	61	66	70	49	33	17	55	63	66	61	36	12	46	2
Apr.	71	17	13	70	0	60	69	69	56	75	60	54	73	0	38	40	45	62	44	61	53	74	64	56	61	72	49	42	51	47	-
May	70	37	76	49	40	29	46	55	52	63	13	66	26	73	71	-	62	83	-	-	16	75	31	22	25	63	3	52	66	49	76
June	31	55	56	59	51	69	12	27	0	68	70	37	59	41	66	62	45	60	84	33	74	78	77	80	13	80	30	43	71	5	-
July	55	31	34	68	69	55	59	55	22	56	58	23	-	63	24	26	43	29	40	62	58	25	30	65	70	62	71	6	52	49	26
Aug.	66	57	74	0	45	64	12	75	18	50	67	45	18	7	34	22	5	46	66	47	0	51	62	55	59	43	32	55	37	39	68
Sep.	37	46	19	22	61	47	7	62	3	49	60	55	0	0	22	60	55	32	44	27	40	26	45	34	43	25	43	55	59	0	-
Oct.	33	40	49	67	52	40	73	40	71	-	-	56	16	58	44	43	36	63	2	16	61	36	42	-	44	38	58	4	58	-	-
Nov.	40	36	46	45	13	18	25	48	8	0	0	35	23	59	23	48	4	37	41	27	17	51	2	2	4	23	37	37	23	0	-
Dec.	0	39	0	0	35	2	38	58	26	49	0	26	20	35	12	37	27	5	32	7	24	7	30	61	43	1	15	25	32	1	0

(D-3-14) 1993

(Unit : %)

Month	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Jan.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Feb.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mar.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Apr.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
May	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
June	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
July	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aug.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sep.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Oct.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nov.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dec.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Table VII.3.3 (1/36) CALCULATION OF UNIT WATER DIVERSION REQUIREMENT (PRESENT CONDITION)

A. Rantau Berangin Irrigation Development Project

(A-1) 1981

Month	Period	ETo (mm/day)	P (mm/day)	Re (mm/day)	AWLR (mm/day)	ACC	LPA	CA	LPWR (mm/day)	ETc (mm/day)	NLPR (mm/day)	(ETc+P-Re)*CA (mm/day)	NFR (mm/day)	NFR*Days (mm)	Div. Req. (l/sec/ha)
Jan.	1	3.39	2.00	3.10		0.95		0.33	8.90	3.22	0.00	0.70	0.70	10.50	0.15
	2	3.41	2.00	4.00				0.00	8.90	0.00	0.00	0.00	0.00	0.00	0.00
Feb.	1	3.65	2.00	4.50					9.10	0.00	0.00	0.00	0.00	0.00	0.00
	2	4.08	2.00	4.50			1.00		9.40	0.00	4.90	0.00	4.90	63.70	0.89
Mar.	1	3.63	2.00	3.10		1.10	0.67	0.33	9.10	3.99	4.02	0.95	4.97	74.55	1.05
	2	3.87	2.00	3.30		1.10	0.33	0.67	9.30	4.26	1.98	1.98	3.96	63.36	0.83
Apr.	1	3.86	2.00	14.30	1.10	1.08		1.00	9.30	4.17	0.00	0.00	1.10	16.50	0.23
	2	4.16	2.00	4.90	1.10	1.07		1.00	9.50	4.45	0.00	1.55	2.65	39.75	0.56
May	1	3.69	2.00	11.10	2.20	1.02		1.00	9.10	3.76	0.00	0.00	2.20	33.00	0.46
	2	3.77	2.00	3.60	1.10	0.98		1.00	9.20	3.69	0.00	2.09	3.19	51.04	0.67
June	1	3.76	2.00	3.20	1.10	0.95		0.67	9.20	3.57	0.00	1.59	2.69	40.35	0.57
	2	3.79	2.00	0.00		0.95		0.33	9.20	3.60	0.00	1.85	1.85	27.75	0.39
July	1	3.52	2.00	4.80				0.00	9.00	0.00	0.00	0.00	0.00	0.00	0.00
	2	3.58	2.00	2.90					9.00	0.00	0.00	0.00	0.00	0.00	0.00
Aug.	1	3.65	2.00	0.00					9.10	0.00	0.00	0.00	0.00	0.00	0.00
	2	3.48	2.00	3.40					9.00	0.00	0.00	0.00	0.00	0.00	0.00
Sep.	1	3.46	2.00	2.70			1.00		9.00	0.00	6.30	0.00	6.30	94.50	1.33
	2	3.53	2.00	1.20		1.10	0.67	0.33	9.00	3.88	5.23	1.54	6.77	101.55	1.42
Oct.	1	3.60	2.00	4.00		1.10	0.33	0.67	9.10	3.96	1.68	1.31	2.99	44.85	0.63
	2	3.67	2.00	9.60	1.10	1.08		1.00	9.10	3.96	0.00	0.00	1.10	17.60	0.23
Nov.	1	3.62	2.00	3.80	1.10	1.07		1.00	9.10	3.87	0.00	2.07	3.17	47.55	0.67
	2	3.66	2.00	3.10	2.20	1.02		1.00	9.10	3.73	0.00	2.63	4.83	72.45	1.02
Dec.	1	3.32	2.00	7.40	1.10	0.98		1.00	8.90	3.25	0.00	0.00	1.10	16.50	0.23
	2	3.04	2.00	3.50	1.10	0.95		0.67	8.60	2.89	0.00	0.93	2.03	32.48	0.43

Note
- ETo : Reference crop evapotranspiration (mm/day)
- P : Percolation (mm/day)
- Re : Effective rainfall (mm/day)
- AWLR : Average water layer replacement (mm/day)
- ACC : Average crop coefficients
- LPA : Land preparation area
- CA : Crop area
- LPWR : Irrigation water requirements during land preparation (mm/day)
- ETc : Consumptive use (mm/day)
- NLPR : Net land preparation water requirements (mm/day)
- NFR : Net field water requirements (mm/day)
- Div. Req. : Unit diversion water requirements (l/sec/ha)

Table VII.3.3 (2/36) CALCULATION OF UNIT WATER DIVERSION REQUIREMENT (PRESENT CONDITION)

(A-2) 1982

Month	Period	ETo (mm/day)	P (mm/day)	Re (mm/day)	AWLR (mm/day)	ACC	LPA	CA	LPWR (mm/day)	ETc (mm/day)	NLPR (mm/day)	(ETc+P-Re)*CA (mm/day)	NFR (mm/day)	NFR*Days (mm)	Div. Req. (l/sec/ha)
Jan.	1	3.39	2.00	3.00		0.95		0.33	8.90	3.22	0.00	0.73	0.73	10.95	0.15
	2	3.41	2.00	0.70				0.00	8.90	0.00	0.00	0.00	0.00	0.00	0.00
Feb.	1	3.65	2.00	4.80					9.10	0.00	0.00	0.00	0.00	0.00	0.00
	2	4.08	2.00	2.30			1.00		9.40	0.00	7.10	0.00	7.10	92.30	1.29
Mar.	1	3.63	2.00	5.40		1.10	0.67	0.33	9.10	3.99	2.48	0.19	2.67	40.05	0.56
	2	3.87	2.00	10.20		1.10	0.33	0.67	9.30	4.26	0.00	0.00	0.00	0.00	0.00
Apr.	1	3.86	2.00	11.50	1.10	1.08		1.00	9.30	4.17	0.00	0.00	1.10	16.50	0.23
	2	4.16	2.00	9.10	1.10	1.07		1.00	9.50	4.45	0.00	0.00	1.10	16.50	0.23
May	1	3.69	2.00	12.50	2.20	1.02		1.00	9.10	3.76	0.00	0.00	2.20	33.00	0.46
	2	3.77	2.00	5.10	1.10	0.98		1.00	9.20	3.69	0.00	0.59	1.69	27.04	0.36
June	1	3.76	2.00	6.70	1.10	0.95		0.67	9.20	3.57	0.00	0.00	1.10	16.50	0.23
	2	3.79	2.00	0.00		0.95		0.33	9.20	3.60	0.00	1.85	1.85	27.75	0.39
July	1	3.52	2.00	3.50				0.00	9.00	0.00	0.00	0.00	0.00	0.00	0.00
	2	3.58	2.00	1.80					9.00	0.00	0.00	0.00	0.00	0.00	0.00
Aug.	1	3.65	2.00	5.30					9.10	0.00	0.00	0.00	0.00	0.00	0.00
	2	3.48	2.00	3.70					9.00	0.00	0.00	0.00	0.00	0.00	0.00
Sep.	1	3.46	2.00	2.70			1.00		9.00	0.00	6.30	0.00	6.30	94.50	1.33
	2	3.53	2.00	2.10		1.10	0.67	0.33	9.00	3.88	4.62	1.25	5.87	88.05	1.24
Oct.	1	3.60	2.00	5.70		1.10	0.33	0.67	9.10	3.96	1.12	0.17	1.29	19.35	0.27
	2	3.67	2.00	1.60	1.10	1.08		1.00	9.10	3.96	0.00	4.36	5.46	87.36	1.15
Nov.	1	3.62	2.00	2.10	1.10	1.07		1.00	9.10	3.87	0.00	3.77	4.87	73.05	1.02
	2	3.66	2.00	3.60	2.20	1.02		1.00	9.10	3.73	0.00	2.13	4.33	64.95	0.91
Dec.	1	3.32	2.00	2.60	1.10	0.98		1.00	8.90	3.25	0.00	2.65	3.75	56.25	0.79
	2	3.04	2.00	9.80	1.10	0.95		0.67	8.60	2.89	0.00	0.00	1.10	17.60	0.23

Note
ETo : Reference crop evapotranspiration (mm/day)
P : Percolation (mm/day)
Re : Effective rainfall (mm/day)
AWLR : Average water layer replacement (mm/day)
ACC : Average crop coefficients
LPA : Land preparation area
CA : Crop area
LPWR : Irrigation water requirements during land preparation (mm/day)
ETc : Consumptive use (mm/day)
NLPR : Net land preparation water requirements (mm/day)
NFR : Net field water requirements (mm/day)
Div. Req. : Unit diversion water requirements (l/sec/ha)

Table VII.3.3 (3/36) CALCULATION OF UNIT WATER DIVERSION REQUIREMENT (PRESENT CONDITION)

(A-3) 1983

Month	Period	ETo (mm/day)	P (mm/day)	Re (mm/day)	AWLR (mm/day)	ACC	LPA	CA	LPWR (mm/day)	ETc (mm/day)	NLPR (mm/day)	(ETc+P-Re)*CA (mm/day)	NFR (mm/day)	NFR*Days (mm)	Div. Req. (l/sec/ha)
Jan.	1	3.39	2.00	2.70		0.95		0.33	8.90	3.22	0.00	0.83	0.83	12.45	0.17
	2	3.41	2.00	3.20				0.00	8.90	0.00	0.00	0.00	0.00	0.00	0.00
Feb.	1	3.65	2.00	2.80					9.10	0.00	0.00	0.00	0.00	0.00	0.00
	2	4.08	2.00	1.60			1.00		9.40	0.00	7.80	0.00	7.80	101.40	1.42
Mar.	1	3.63	2.00	5.80		1.10	0.67	0.33	9.10	3.99	2.21	0.06	2.27	34.05	0.48
	2	3.87	2.00	4.30		1.10	0.33	0.67	9.30	4.26	1.65	1.31	2.96	47.36	0.62
Apr.	1	3.86	2.00	3.30	1.10	1.08		1.00	9.30	4.17	0.00	2.87	3.97	59.55	0.84
	2	4.16	2.00	5.90	1.10	1.07		1.00	9.50	4.45	0.00	0.55	1.65	24.75	0.35
May	1	3.69	2.00	3.10	2.20	1.02		1.00	9.10	3.76	0.00	2.66	4.86	72.90	1.02
	2	3.77	2.00	1.40	1.10	0.98		1.00	9.20	3.69	0.00	4.29	5.39	86.24	1.13
June	1	3.76	2.00	2.10	1.10	0.95		0.67	9.20	3.57	0.00	2.32	3.42	51.30	0.72
	2	3.79	2.00	0.00		0.95		0.33	9.20	3.60	0.00	1.85	1.85	27.75	0.39
July	1	3.52	2.00	3.30				0.00	9.00	0.00	0.00	0.00	0.00	0.00	0.00
	2	3.58	2.00	2.60					9.00	0.00	0.00	0.00	0.00	0.00	0.00
Aug.	1	3.65	2.00	0.40					9.10	0.00	0.00	0.00	0.00	0.00	0.00
	2	3.48	2.00	3.70					9.00	0.00	0.00	0.00	0.00	0.00	0.00
Sep.	1	3.46	2.00	9.30			1.00		9.00	0.00	0.00	0.00	0.00	0.00	0.00
	2	3.53	2.00	2.50		1.10	0.67	0.33	9.00	3.88	4.36	1.12	5.48	82.20	1.15
Oct.	1	3.60	2.00	2.80		1.10	0.33	0.67	9.10	3.96	2.08	2.12	4.20	63.00	0.88
	2	3.67	2.00	4.00	1.10	1.08		1.00	9.10	3.96	0.00	1.96	3.06	48.96	0.64
Nov.	1	3.62	2.00	5.70	1.10	1.07		1.00	9.10	3.87	0.00	0.17	1.27	19.05	0.27
	2	3.66	2.00	3.90	2.20	1.02		1.00	9.10	3.73	0.00	1.83	4.03	60.45	0.85
Dec.	1	3.32	2.00	5.20	1.10	0.98		1.00	8.90	3.25	0.00	0.05	1.15	17.25	0.24
	2	3.04	2.00	7.10	1.10	0.95		0.67	8.60	2.89	0.00	0.00	1.10	17.60	0.23

Note
ETo : Reference crop evapotranspiration (mm/day)
P : Percolation (mm/day)
Re : Effective rainfall (mm/day)
AWLR : Average water layer replacement (mm/day)
ACC : Average crop coefficients
LPA : Land preparation area
CA : Crop area
LPWR : Irrigation water requirements during land preparation (mm/day)
ETc : Consumptive use (mm/day)
NLPR : Net land preparation water requirements (mm/day)
NFR : Net field water requirements (mm/day)
Div. Req. : Unit diversion water requirements (l/sec/ha)

Table VII.3.3 (4/36) CALCULATION OF UNIT WATER DIVERSION REQUIREMENT (PRESENT CONDITION)

(A-4) 1984

Month	Period	ETo (mm/day)	P (mm/day)	Re (mm/day)	AWLR (mm/day)	ACC	LPA	CA	LPWR (mm/day)	ETc (mm/day)	NLPR (mm/day)	(ETc+P-Re)*CA (mm/day)	NFR (mm/day)	NFR*Days (mm)	Div. Req. (l/sec/ha)
Jan.	1	3.39	2.00	1.90		0.95		0.33	8.90	3.22	0.00	1.10	1.10	16.50	0.23
	2	3.41	2.00	2.90				0.00	8.90	0.00	0.00	0.00	0.00	0.00	0.00
Feb.	1	3.65	2.00	4.10					9.10	0.00	0.00	0.00	0.00	0.00	0.00
	2	4.08	2.00	4.90			1.00		9.40	0.00	4.50	0.00	4.50	63.00	0.95
Mar.	1	3.63	2.00	7.20		1.10	0.67	0.33	9.10	3.99	1.27	0.00	1.27	19.05	0.27
	2	3.87	2.00	5.90		1.10	0.33	0.67	9.30	4.26	1.12	0.24	1.36	21.76	0.29
Apr.	1	3.86	2.00	5.60	1.10	1.08		1.00	9.30	4.17	0.00	0.57	1.67	25.05	0.35
	2	4.16	2.00	1.40	1.10	1.07		1.00	9.50	4.45	0.00	5.05	6.15	92.25	1.29
May	1	3.69	2.00	4.40	2.20	1.02		1.00	9.10	3.76	0.00	1.36	3.56	53.40	0.75
	2	3.77	2.00	6.80	1.10	0.98		1.00	9.20	3.69	0.00	0.00	1.10	17.60	0.23
June	1	3.76	2.00	9.20	1.10	0.95		0.67	9.20	3.57	0.00	0.00	1.10	16.50	0.23
	2	3.79	2.00	1.80		0.95		0.33	9.20	3.60	0.00	1.25	1.25	18.75	0.26
July	1	3.52	2.00	0.90				0.00	9.00	0.00	0.00	0.00	0.00	0.00	0.00
	2	3.58	2.00	11.60					9.00	0.00	0.00	0.00	0.00	0.00	0.00
Aug.	1	3.65	2.00	4.00					9.10	0.00	0.00	0.00	0.00	0.00	0.00
	2	3.48	2.00	2.70					9.00	0.00	0.00	0.00	0.00	0.00	0.00
Sep.	1	3.46	2.00	5.90			1.00		9.00	0.00	3.10	0.00	3.10	46.50	0.65
	2	3.53	2.00	4.10		1.10	0.67	0.33	9.00	3.88	3.28	0.59	3.87	58.05	0.81
Oct.	1	3.60	2.00	3.10		1.10	0.33	0.67	9.10	3.96	1.98	1.92	3.90	58.50	0.82
	2	3.67	2.00	5.80	1.10	1.08		1.00	9.10	3.96	0.00	0.16	1.26	20.16	0.27
Nov.	1	3.62	2.00	2.00	1.10	1.07		1.00	9.10	3.87	0.00	3.87	4.97	74.55	1.05
	2	3.66	2.00	3.90	2.20	1.02		1.00	9.10	3.73	0.00	1.83	4.03	60.45	0.85
Dec.	1	3.32	2.00	4.30	1.10	0.98		1.00	8.90	3.25	0.00	0.95	2.05	30.75	0.43
	2	3.04	2.00	7.00	1.10	0.95		0.67	8.60	2.89	0.00	0.00	1.10	17.60	0.23

Note
ETo : Reference crop evapotranspiration (mm/day)
P : Percolation (mm/day)
Re : Effective rainfall (mm/day)
AWLR : Average water layer replacement (mm/day)
ACC : Average crop coefficients
LPA : Land preparation area
CA : Crop area
LPWR : Irrigation water requirements during land preparation (mm/day)
ETc : Consumptive use (mm/day)
NLPR : Net land preparation water requirements (mm/day)
NFR : Net field water requirements (mm/day)
Div. Req. : Unit diversion water requirements (l/sec/ha)

Table VII.3.3 (5/36) CALCULATION OF UNIT WATER DIVERSION REQUIREMENT (PRESENT CONDITION)

(A-5) 1985

Month	Period	ETo (mm/day)	P (mm/day)	Re (mm/day)	AWLR (mm/day)	ACC	LPA	CA	LPWR (mm/day)	ETc (mm/day)	NLPR (mm/day)	(ETc+P-Re)*CA (mm/day)	NFR (mm/day)	NFR*Days (mm)	Div. Req. (l/sec/ha)
Jan.	1	3.39	2.00	9.30		0.95		0.33	8.90	3.22	0.00	0.00	0.00	0.00	0.00
	2	3.41	2.00	2.20				0.00	8.90	0.00	0.00	0.00	0.00	0.00	0.00
Feb.	1	3.65	2.00	5.80					9.10	0.00	0.00	0.00	0.00	0.00	0.00
	2	4.08	2.00	0.30			1.00		9.40	0.00	9.10	0.00	9.10	118.30	1.66
Mar.	1	3.63	2.00	6.30		1.10	0.67	0.33	9.10	3.99	1.88	0.00	1.88	28.20	0.40
	2	3.87	2.00	2.50		1.10	0.33	0.67	9.30	4.26	2.24	2.52	4.76	76.16	1.00
Apr.	1	3.86	2.00	5.10	1.10	1.08		1.00	9.30	4.17	0.00	1.07	2.17	32.55	0.46
	2	4.16	2.00	3.10	1.10	1.07		1.00	9.50	4.45	0.00	3.35	4.45	66.75	0.94
May	1	3.69	2.00	4.00	2.20	1.02		1.00	9.10	3.76	0.00	1.76	3.96	59.40	0.83
	2	3.77	2.00	6.60	1.10	0.98		1.00	9.20	3.69	0.00	0.00	1.10	17.60	0.23
June	1	3.76	2.00	0.70	1.10	0.95		0.67	9.20	3.57	0.00	3.26	4.36	65.40	0.92
	2	3.79	2.00	0.00		0.95		0.33	9.20	3.60	0.00	1.85	1.85	27.75	0.39
July	1	3.52	2.00	1.80				0.00	9.00	0.00	0.00	0.00	0.00	0.00	0.00
	2	3.58	2.00	0.10					9.00	0.00	0.00	0.00	0.00	0.00	0.00
Aug.	1	3.65	2.00	0.70					9.10	0.00	0.00	0.00	0.00	0.00	0.00
	2	3.48	2.00	2.90					9.00	0.00	0.00	0.00	0.00	0.00	0.00
Sep.	1	3.46	2.00	1.50			1.00		9.00	0.00	7.50	0.00	7.50	112.50	1.58
	2	3.53	2.00	2.10		1.10	0.67	0.33	9.00	3.88	4.62	1.25	5.87	88.05	1.24
Oct.	1	3.60	2.00	11.00		1.10	0.33	0.67	9.10	3.96	0.00	0.00	0.00	0.00	0.00
	2	3.67	2.00	15.10	1.10	1.08		1.00	9.10	3.96	0.00	0.00	1.10	17.60	0.23
Nov.	1	3.62	2.00	12.20	1.10	1.07		1.00	9.10	3.87	0.00	0.00	1.10	16.50	0.23
	2	3.66	2.00	1.40	2.20	1.02		1.00	9.10	3.73	0.00	4.33	6.53	97.95	1.37
Dec.	1	3.32	2.00	8.70	1.10	0.98		1.00	8.90	3.25	0.00	0.00	1.10	16.50	0.23
	2	3.04	2.00	3.30	1.10	0.95		0.67	8.60	2.89	0.00	1.07	2.17	34.72	0.46

Note
ETo : Reference crop evapotranspiration (mm/day)
P : Percolation (mm/day)
Re : Effective rainfall (mm/day)
AWLR : Average water layer replacement (mm/day)
ACC : Average crop coefficients
LPA : Land preparation area
CA : Crop area
LPWR : Irrigation water requirements during land preparation (mm/day)
ETc : Consumptive use (mm/day)
NLPR : Net land preparation water requirements (mm/day)
NFR : Net field water requirements (mm/day)
Div. Req. : Unit diversion water requirements (l/sec/ha)

Table VII.3.3 (6/36) CALCULATION OF UNIT WATER DIVERSION REQUIREMENT (PRESENT CONDITION)

(A-6) 1986

Month	Period	ETo (mm/day)	P (mm/day)	Re (mm/day)	AWLR (mm/day)	ACC	LPA	CA	LPWR (mm/day)	ETc (mm/day)	NLPR (mm/day)	(ETc+P-Re)*CA (mm/day)	NFR (mm/day)	NFR*Days (mm)	Div. Req. (l/sec/ha)
Jan.	1	3.39	2.00	8.60		0.95		0.33	8.90	3.22	0.00	0.00	0.00	0.00	0.00
	2	3.41	2.00	4.00				0.00	8.90	0.00	0.00	0.00	0.00	0.00	0.00
Feb.	1	3.65	2.00	5.00					9.10	0.00	0.00	0.00	0.00	0.00	0.00
	2	4.08	2.00	0.50			1.00		9.40	0.00	8.90	0.00	8.90	115.70	1.62
Mar.	1	3.63	2.00	12.00		1.10	0.67	0.33	9.10	3.99	0.00	0.00	0.00	0.00	0.00
	2	3.87	2.00	6.30		1.10	0.33	0.67	9.30	4.26	0.99	0.00	0.99	15.84	0.21
Apr.	1	3.86	2.00	5.50	1.10	1.08		1.00	9.30	4.17	0.00	0.67	1.77	26.55	0.37
	2	4.16	2.00	1.50	1.10	1.07		1.00	9.50	4.45	0.00	4.95	6.05	90.75	1.27
May	1	3.69	2.00	5.10	2.20	1.02		1.00	9.10	3.76	0.00	0.66	2.86	42.90	0.60
	2	3.77	2.00	1.20	1.10	0.98		1.00	9.20	3.69	0.00	4.49	5.59	89.44	1.18
June	1	3.76	2.00	1.70	1.10	0.95		0.67	9.20	3.57	0.00	2.59	3.69	55.35	0.78
	2	3.79	2.00	3.60		0.95		0.33	9.20	3.60	0.00	0.66	0.66	9.90	0.14
July	1	3.52	2.00	1.60				0.00	9.00	0.00	0.00	0.00	0.00	0.00	0.00
	2	3.58	2.00	4.70					9.00	0.00	0.00	0.00	0.00	0.00	0.00
Aug.	1	3.65	2.00	0.00					9.10	0.00	0.00	0.00	0.00	0.00	0.00
	2	3.48	2.00	1.10					9.00	0.00	0.00	0.00	0.00	0.00	0.00
Sep.	1	3.46	2.00	1.00			1.00		9.00	0.00	8.00	0.00	8.00	120.00	1.68
	2	3.53	2.00	7.00		1.10	0.67	0.33	9.00	3.88	1.34	0.00	1.34	20.10	0.28
Oct.	1	3.60	2.00	10.10		1.10	0.33	0.67	9.10	3.96	0.00	0.00	0.00	0.00	0.00
	2	3.67	2.00	6.20	1.10	1.08		1.00	9.10	3.96	0.00	0.00	1.10	17.60	0.23
Nov.	1	3.62	2.00	6.00	1.10	1.07		1.00	9.10	3.87	0.00	0.00	1.10	16.50	0.23
	2	3.66	2.00	10.30	2.20	1.02		1.00	9.10	3.73	0.00	0.00	2.20	33.00	0.46
Dec.	1	3.32	2.00	10.80	1.10	0.98		1.00	8.90	3.25	0.00	0.00	1.10	16.50	0.23
	2	3.04	2.00	6.40	1.10	0.95		0.67	8.60	2.89	0.00	0.00	1.10	17.60	0.23

Note
ETo : Reference crop evapotranspiration (mm/day)
P : Percolation (mm/day)
Re : Effective rainfall (mm/day)
AWLR : Average water layer replacement (mm/day)
ACC : Average crop coefficients
LPA : Land preparation area
CA : Crop area
LPWR : Irrigation water requirements during land preparation (mm/day)
ETc : Consumptive use (mm/day)
NLPR : Net land preparation water requirements (mm/day)
NFR : Net field water requirements (mm/day)
Div. Req. : Unit diversion water requirements (l/sec/ha)

Table VII.3.3 (7/36) CALCULATION OF UNIT WATER DIVERSION REQUIREMENT (PRESENT CONDITION)

(A-7) 1987

Month	Period	ETo (mm/day)	P (mm/day)	Re (mm/day)	AWLR (mm/day)	ACC	LPA	CA	LPWR (mm/day)	ETc (mm/day)	NLPR (mm/day)	(ETc+P-Re)*CA (mm/day)	NFR (mm/day)	NFR*Days (mm)	Div. Req. (l/sec/ha)
Jan.	1	3.39	2.00	3.90		0.95		0.33	8.90	3.22	0.00	0.44	0.44	6.60	0.09
	2	3.41	2.00	3.30				0.00	8.90	0.00	0.00	0.00	0.00	0.00	0.00
Feb.	1	3.65	2.00	2.70					9.10	0.00	0.00	0.00	0.00	0.00	0.00
	2	4.08	2.00	3.10			1.00		9.40	0.00	6.30	0.00	6.30	81.90	1.15
Mar.	1	3.63	2.00	5.80		1.10	0.67	0.33	9.10	3.99	2.21	0.06	2.27	34.05	0.48
	2	3.87	2.00	2.70		1.10	0.33	0.67	9.30	4.26	2.18	2.39	4.57	73.12	0.96
Apr.	1	3.86	2.00	6.50	1.10	1.08		1.00	9.30	4.17	0.00	0.00	1.10	16.50	0.23
	2	4.16	2.00	4.70	1.10	1.07		1.00	9.50	4.45	0.00	1.75	2.85	42.75	0.60
May	1	3.69	2.00	7.00	2.20	1.02		1.00	9.10	3.76	0.00	0.00	2.20	33.00	0.46
	2	3.77	2.00	1.50	1.10	0.98		1.00	9.20	3.69	0.00	4.19	5.29	84.64	1.11
June	1	3.76	2.00	5.30	1.10	0.95		0.67	9.20	3.57	0.00	0.18	1.28	19.20	0.27
	2	3.79	2.00	0.30		0.95		0.33	9.20	3.60	0.00	1.75	1.75	26.25	0.37
July	1	3.52	2.00	1.30				0.00	9.00	0.00	0.00	0.00	0.00	0.00	0.00
	2	3.58	2.00	2.20					9.00	0.00	0.00	0.00	0.00	0.00	0.00
Aug.	1	3.65	2.00	4.40					9.10	0.00	0.00	0.00	0.00	0.00	0.00
	2	3.48	2.00	0.00					9.00	0.00	0.00	0.00	0.00	0.00	0.00
Sep.	1	3.46	2.00	5.30			1.00		9.00	0.00	3.70	0.00	3.70	55.50	0.78
	2	3.53	2.00	5.40		1.10	0.67	0.33	9.00	3.88	2.41	0.16	2.57	38.55	0.54
Oct.	1	3.60	2.00	8.70		1.10	0.33	0.67	9.10	3.96	0.13	0.00	0.13	1.95	0.03
	2	3.67	2.00	7.00	1.10	1.08		1.00	9.10	3.96	0.00	0.00	1.10	17.60	0.23
Nov.	1	3.62	2.00	9.80	1.10	1.07		1.00	9.10	3.87	0.00	0.00	1.10	16.50	0.23
	2	3.66	2.00	2.20	2.20	1.02		1.00	9.10	3.73	0.00	3.53	5.73	85.95	1.21
Dec.	1	3.32	2.00	10.50	1.10	0.98		1.00	8.90	3.25	0.00	0.00	1.10	16.50	0.23
	2	3.04	2.00	3.10	1.10	0.95		0.67	8.60	2.89	0.00	1.20	2.30	36.80	0.48

Note
ETo : Reference crop evapotranspiration (mm/day)
P : Percolation (mm/day)
Re : Effective rainfall (mm/day)
AWLR : Average water layer replacement (mm/day)
ACC : Average crop coefficients
LPA : Land preparation area
CA : Crop area
LPWR : Irrigation water requirements during land preparation (mm/day)
ETc : Consumptive use (mm/day)
NLPR : Net land preparation water requirements (mm/day)
NFR : Net field water requirements (mm/day)
Div. Req. : Unit diversion water requirements (l/sec/ha)

Table VII.3.3 (8/36) CALCULATION OF UNIT WATER DIVERSION REQUIREMENT (PRESENT CONDITION)

(A-8) 1988

Month	Period	ETo (mm/day)	P (mm/day)	Re (mm/day)	AWLR (mm/day)	ACC	LPA	CA	LPWR (mm/day)	ETc (mm/day)	NLPR (mm/day)	(ETc+P-Re)*CA (mm/day)	NFR (mm/day)	NFR*Days (mm)	Div. Req. (l/sec/ha)
Jan.	1	3.39	2.00	4.80		0.95		0.33	8.90	3.22	0.00	0.14	0.14	2.10	0.03
	2	3.41	2.00	9.60				0.00	8.90	0.00	0.00	0.00	0.00	0.00	0.00
Feb.	1	3.65	2.00	8.00					9.10	0.00	0.00	0.00	0.00	0.00	0.00
	2	4.08	2.00	3.30			1.00		9.40	0.00	6.10	0.00	6.10	85.40	1.28
Mar.	1	3.63	2.00	5.60		1.10	0.67	0.33	9.10	3.99	2.35	0.13	2.48	37.20	0.52
	2	3.87	2.00	5.10		1.10	0.33	0.67	9.30	4.26	1.39	0.78	2.17	34.72	0.46
Apr.	1	3.86	2.00	6.90	1.10	1.08		1.00	9.30	4.17	0.00	0.00	1.10	16.50	0.23
	2	4.16	2.00	2.00	1.10	1.07		1.00	9.50	4.45	0.00	4.45	5.55	83.25	1.17
May	1	3.69	2.00	5.60	2.20	1.02		1.00	9.10	3.76	0.00	0.16	2.36	35.40	0.50
	2	3.77	2.00	5.60	1.10	0.98		1.00	9.20	3.69	0.00	0.09	1.19	19.04	0.25
June	1	3.76	2.00	6.20	1.10	0.95		0.67	9.20	3.57	0.00	0.00	1.10	16.50	0.23
	2	3.79	2.00	5.00		0.95		0.33	9.20	3.60	0.00	0.20	0.20	3.00	0.04
July	1	3.52	2.00	2.40				0.00	9.00	0.00	0.00	0.00	0.00	0.00	0.00
	2	3.58	2.00	2.40					9.00	0.00	0.00	0.00	0.00	0.00	0.00
Aug.	1	3.65	2.00	2.80					9.10	0.00	0.00	0.00	0.00	0.00	0.00
	2	3.48	2.00	10.00					9.00	0.00	0.00	0.00	0.00	0.00	0.00
Sep.	1	3.46	2.00	1.40			1.00		9.00	0.00	7.60	0.00	7.60	114.00	1.60
	2	3.53	2.00	6.00		1.10	0.67	0.33	9.00	3.88	2.01	0.00	2.01	30.15	0.42
Oct.	1	3.60	2.00	1.40		1.10	0.33	0.67	9.10	3.96	2.54	3.06	5.60	84.00	1.18
	2	3.67	2.00	3.20	1.10	1.08		1.00	9.10	3.96	0.00	2.76	3.86	61.76	0.81
Nov.	1	3.62	2.00	6.50	1.10	1.07		1.00	9.10	3.87	0.00	0.00	1.10	16.50	0.23
	2	3.66	2.00	3.50	2.20	1.02		1.00	9.10	3.73	0.00	2.23	4.43	66.45	0.93
Dec.	1	3.32	2.00	10.40	1.10	0.98		1.00	8.90	3.25	0.00	0.00	1.10	16.50	0.23
	2	3.04	2.00	7.50	1.10	0.95		0.67	8.60	2.89	0.00	0.00	1.10	17.60	0.23

Note
ETo : Reference crop evapotranspiration (mm/day)
P : Percolation (mm/day)
Re : Effective rainfall (mm/day)
AWLR : Average water layer replacement (mm/day)
ACC : Average crop coefficients
LPA : Land preparation area
CA : Crop area
LPWR : Irrigation water requirements during land preparation (mm/day)
ETc : Consumptive use (mm/day)
NLPR : Net land preparation water requirements (mm/day)
NFR : Net field water requirements (mm/day)
Div. Req. : Unit diversion water requirements (l/sec/ha)

Table VII.3.3 (9/36) CALCULATION OF UNIT WATER DIVERSION REQUIREMENT (PRESENT CONDITION)

(A-9) 1989

Month	Period	ETo (mm/day)	P (mm/day)	Re (mm/day)	AWLR (mm/day)	ACC	LPA	CA	LPWR (mm/day)	ETc (mm/day)	NLPR (mm/day)	(ETc+P-Re)*CA (mm/day)	NFR (mm/day)	NFR*Days (mm)	Div. Req. (l/sec/ha)
Jan.	1	3.39	2.00	12.40		0.95		0.33	8.90	3.22	0.00	0.00	0.00	0.00	0.00
	2	3.41	2.00	6.80				0.00	8.90	0.00	0.00	0.00	0.00	0.00	0.00
Feb.	1	3.65	2.00	1.40					9.10	0.00	0.00	0.00	0.00	0.00	0.00
	2	4.08	2.00	7.60			1.00		9.40	0.00	1.80	0.00	1.80	23.40	0.33
Mar.	1	3.63	2.00	5.40		1.10	0.67	0.33	9.10	3.99	2.48	0.19	2.67	40.05	0.56
	2	3.87	2.00	1.30		1.10	0.33	0.67	9.30	4.26	2.64	3.32	5.96	95.36	1.25
Apr.	1	3.86	2.00	4.20	1.10	1.08		1.00	9.30	4.17	0.00	1.97	3.07	46.05	0.65
	2	4.16	2.00	1.70	1.10	1.07		1.00	9.50	4.45	0.00	4.75	5.85	87.75	1.23
May	1	3.69	2.00	3.30	2.20	1.02		1.00	9.10	3.76	0.00	2.46	4.66	69.90	0.98
	2	3.77	2.00	2.80	1.10	0.98		1.00	9.20	3.69	0.00	2.89	3.99	63.84	0.84
June	1	3.76	2.00	0.00	1.10	0.95		0.67	9.20	3.57	0.00	3.73	4.83	72.45	1.02
	2	3.79	2.00	4.30		0.95		0.33	9.20	3.60	0.00	0.43	0.43	6.45	0.09
July	1	3.52	2.00	3.70				0.00	9.00	0.00	0.00	0.00	0.00	0.00	0.00
	2	3.58	2.00	1.80					9.00	0.00	0.00	0.00	0.00	0.00	0.00
Aug.	1	3.65	2.00	1.40					9.10	0.00	0.00	0.00	0.00	0.00	0.00
	2	3.48	2.00	2.80					9.00	0.00	0.00	0.00	0.00	0.00	0.00
Sep.	1	3.46	2.00	5.30			1.00		9.00	0.00	3.70	0.00	3.70	55.50	0.78
	2	3.53	2.00	3.20		1.10	0.67	0.33	9.00	3.88	3.89	0.88	4.77	71.55	1.00
Oct.	1	3.60	2.00	6.30		1.10	0.33	0.67	9.10	3.96	0.92	0.00	0.92	13.80	0.19
	2	3.67	2.00	9.20	1.10	1.08		1.00	9.10	3.96	0.00	0.00	1.10	17.60	0.23
Nov.	1	3.62	2.00	6.60	1.10	1.07		1.00	9.10	3.87	0.00	0.00	1.10	16.50	0.23
	2	3.66	2.00	3.10	2.20	1.02		1.00	9.10	3.73	0.00	2.63	4.83	72.45	1.02
Dec.	1	3.32	2.00	6.80	1.10	0.98		1.00	8.90	3.25	0.00	0.00	1.10	16.50	0.23
	2	3.04	2.00	5.20	1.10	0.95		0.67	8.60	2.89	0.00	0.00	1.10	17.60	0.23

Note
- ETo : Reference crop evapotranspiration (mm/day)
- P : Percolation (mm/day)
- Re : Effective rainfall (mm/day)
- AWLR : Average water layer replacement (mm/day)
- ACC : Average crop coefficients
- LPA : Land preparation area
- CA : Crop area
- LPWR : Irrigation water requirements during land preparation (mm/day)
- ETc : Consumptive use (mm/day)
- NLPR : Net land preparation water requirements (mm/day)
- NFR : Net field water requirements (mm/day)
- Div. Req. : Unit diversion water requirements (l/sec/ha)

Table VII.3.3 (10/36) CALCULATION OF UNIT WATER DIVERSION REQUIREMENT (PRESENT CONDITION)

(A-10) 1990

Month	Period	ETo (mm/day)	P (mm/day)	Re (mm/day)	AWLR (mm/day)	ACC	LPA	CA	LPWR (mm/day)	ETc (mm/day)	NLPR (mm/day)	(ETc+P-Re)*CA (mm/day)	NFR (mm/day)	NFR*Days (mm)	Div. Req. (l/sec/ha)
Jan.	1	3.39	2.00	2.00		0.95		0.33	8.90	3.22	0.00	1.06	1.06	15.90	0.22
	2	3.41	2.00	3.10				0.00	8.90	0.00	0.00	0.00	0.00	0.00	0.00
Feb.	1	3.65	2.00	10.50					9.10	0.00	0.00	0.00	0.00	0.00	0.00
	2	4.08	2.00	2.80			1.00		9.40	0.00	6.60	0.00	6.60	85.80	1.20
Mar.	1	3.63	2.00	2.30		1.10	0.67	0.33	9.10	3.99	4.56	1.22	5.78	86.70	1.22
	2	3.87	2.00	3.40		1.10	0.33	0.67	9.30	4.26	1.95	1.92	3.87	61.92	0.81
Apr.	1	3.86	2.00	5.90	1.10	1.08		1.00	9.30	4.17	0.00	0.27	1.37	20.55	0.29
	2	4.16	2.00	3.90	1.10	1.07		1.00	9.50	4.45	0.00	2.55	3.65	54.75	0.77
May	1	3.69	2.00	5.90	2.20	1.02		1.00	9.10	3.76	0.00	0.00	2.20	33.00	0.46
	2	3.77	2.00	1.80	1.10	0.98		1.00	9.20	3.69	0.00	3.89	4.99	79.84	1.05
June	1	3.76	2.00	1.40	1.10	0.95		0.67	9.20	3.57	0.00	2.79	3.89	58.35	0.82
	2	3.79	2.00	5.00		0.95		0.33	9.20	3.60	0.00	0.20	0.20	3.00	0.04
July	1	3.52	2.00	2.50				0.00	9.00	0.00	0.00	0.00	0.00	0.00	0.00
	2	3.58	2.00	6.90					9.00	0.00	0.00	0.00	0.00	0.00	0.00
Aug.	1	3.65	2.00	2.00					9.10	0.00	0.00	0.00	0.00	0.00	0.00
	2	3.48	2.00	4.60					9.00	0.00	0.00	0.00	0.00	0.00	0.00
Sep.	1	3.46	2.00	1.70			1.00		9.00	0.00	7.30	0.00	7.30	109.50	1.54
	2	3.53	2.00	2.90		1.10	0.67	0.33	9.00	3.88	4.09	0.98	5.07	76.05	1.07
Oct.	1	3.60	2.00	3.90		1.10	0.33	0.67	9.10	3.96	1.72	1.38	3.10	46.50	0.65
	2	3.67	2.00	9.20	1.10	1.08		1.00	9.10	3.96	0.00	0.00	1.10	17.60	0.23
Nov.	1	3.62	2.00	7.60	1.10	1.07		1.00	9.10	3.87	0.00	0.00	1.10	16.50	0.23
	2	3.66	2.00	9.40	2.20	1.02		1.00	9.10	3.73	0.00	0.00	2.20	33.00	0.46
Dec.	1	3.32	2.00	9.20	1.10	0.98		1.00	8.90	3.25	0.00	0.00	1.10	16.50	0.23
	2	3.04	2.00	3.80	1.10	0.95		0.67	8.60	2.89	0.00	0.73	1.83	29.28	0.39

Note
- ETo : Reference crop evapotranspiration (mm/day)
- P : Percolation (mm/day)
- Re : Effective rainfall (mm/day)
- AWLR : Average water layer replacement (mm/day)
- ACC : Average crop coefficients
- LPA : Land preparation area
- CA : Crop area
- LPWR : Irrigation water requirements during land preparation (mm/day)
- ETc : Consumptive use (mm/day)
- NLPR : Net land preparation water requirements (mm/day)
- NFR : Net field water requirements (mm/day)
- Div. Req. : Unit diversion water requirements (l/sec/ha)

Table VII.3.3 (11/36) CALCULATION OF UNIT WATER DIVERSION REQUIREMENT (PRESENT CONDITION)

(A-11) 1991

Month	Period	ETo (mm/day)	P (mm/day)	Re (mm/day)	AWLR (mm/day)	ACC	LPA	CA	LPWR (mm/day)	ETc (mm/day)	NLPR (mm/day)	(ETc+P-Re)*CA (mm/day)	NFR (mm/day)	NFR*Days (mm)	Div. Req. (l/sec/ha)
Jan.	1	3.39	2.00	2.40		0.95		0.33	8.90	3.22	0.00	0.93	0.93	13.95	0.20
	2	3.41	2.00	9.10				0.00	8.90	0.00	0.00	0.00	0.00	0.00	0.00
Feb.	1	3.65	2.00	1.50					9.10	0.00	0.00	0.00	0.00	0.00	0.00
	2	4.08	2.00	0.40			1.00		9.40	0.00	9.00	0.00	9.00	117.00	1.64
Mar.	1	3.63	2.00	10.20		1.10	0.67	0.33	9.10	3.99	0.00	0.00	0.00	0.00	0.00
	2	3.87	2.00	11.60		1.10	0.33	0.67	9.30	4.26	0.00	0.00	0.00	0.00	0.00
Apr.	1	3.86	2.00	6.30	1.10	1.08		1.00	9.30	4.17	0.00	0.00	1.10	16.50	0.23
	2	4.16	2.00	5.00	1.10	1.07		1.00	9.50	4.45	0.00	1.45	2.55	38.25	0.54
May	1	3.69	2.00	5.20	2.20	1.02		1.00	9.10	3.76	0.00	0.56	2.76	41.40	0.58
	2	3.77	2.00	2.90	1.10	0.98		1.00	9.20	3.69	0.00	2.79	3.89	62.24	0.82
June	1	3.76	2.00	1.30	1.10	0.95		0.67	9.20	3.57	0.00	2.86	3.96	59.40	0.83
	2	3.79	2.00	1.40		0.95		0.33	9.20	3.60	0.00	1.39	1.39	20.85	0.29
July	1	3.52	2.00	2.10				0.00	9.00	0.00	0.00	0.00	0.00	0.00	0.00
	2	3.58	2.00	0.00					9.00	0.00	0.00	0.00	0.00	0.00	0.00
Aug.	1	3.65	2.00	3.70					9.10	0.00	0.00	0.00	0.00	0.00	0.00
	2	3.48	2.00	2.80					9.00	0.00	0.00	0.00	0.00	0.00	0.00
Sep.	1	3.46	2.00	2.40			1.00		9.00	0.00	6.60	0.00	6.60	99.00	1.39
	2	3.53	2.00	4.40		1.10	0.67	0.33	9.00	3.88	3.08	0.49	3.57	53.55	0.75
Oct.	1	3.60	2.00	1.90		1.10	0.33	0.67	9.10	3.96	2.38	2.72	5.10	76.50	1.07
	2	3.67	2.00	7.60	1.10	1.08		1.00	9.10	3.96	0.00	0.00	1.10	17.60	0.23
Nov.	1	3.62	2.00	9.60	1.10	1.07		1.00	9.10	3.87	0.00	0.00	1.10	16.50	0.23
	2	3.66	2.00	8.20	2.20	1.02		1.00	9.10	3.73	0.00	0.00	2.20	33.00	0.46
Dec.	1	3.32	2.00	5.30	1.10	0.98		1.00	8.90	3.25	0.00	0.00	1.10	16.50	0.23
	2	3.04	2.00	8.10	1.10	0.95		0.67	8.60	2.89	0.00	0.00	1.10	17.60	0.23

Note
ETo : Reference crop evapotranspiration (mm/day)
P : Percolation (mm/day)
Re : Effective rainfall (mm/day)
AWLR : Average water layer replacement (mm/day)
ACC : Average crop coefficients
LPA : Land preparation area
CA : Crop area
LPWR : Irrigation water requirements during land preparation (mm/day)
ETc : Consumptive use (mm/day)
NLPR : Net land preparation water requirements (mm/day)
NFR : Net field water requirements (mm/day)
Div. Req. : Unit diversion water requirements (l/sec/ha)

Table VII.3.3 (12/36) CALCULATION OF UNIT WATER DIVERSION REQUIREMENT (PRESENT CONDITION)

(A-12) 1992

Month	Period	ETo (mm/day)	P (mm/day)	Re (mm/day)	AWLR (mm/day)	ACC	LPA	CA	LPWR (mm/day)	ETc (mm/day)	NLPR (mm/day)	(ETc+P-Re)*CA (mm/day)	NFR (mm/day)	NFR*Days (mm)	Div. Req. (l/sec/ha)
Jan.	1	3.39	2.00	5.60		0.95		0.33	8.90	3.22	0.00	0.00	0.00	0.00	0.00
	2	3.41	2.00	6.90				0.00	8.90	0.00	0.00	0.00	0.00	0.00	0.00
Feb.	1	3.65	2.00	7.90					9.10	0.00	0.00	0.00	0.00	0.00	0.00
	2	4.08	2.00	4.30			1.00		9.40	0.00	5.10	0.00	5.10	71.40	1.07
Mar.	1	3.63	2.00	7.00		1.10	0.67	0.33	9.10	3.99	1.41	0.00	1.41	21.15	0.30
	2	3.87	2.00	2.30		1.10	0.33	0.67	9.30	4.26	2.31	2.65	4.96	79.36	1.04
Apr.	1	3.86	2.00	5.90	1.10	1.08		1.00	9.30	4.17	0.00	0.27	1.37	20.55	0.29
	2	4.16	2.00	0.10	1.10	1.07		1.00	9.50	4.45	0.00	6.35	7.45	111.75	1.57
May	1	3.69	2.00	4.90	2.20	1.02		1.00	9.10	3.76	0.00	0.86	3.06	45.90	0.64
	2	3.77	2.00	2.80	1.10	0.98		1.00	9.20	3.69	0.00	2.89	3.99	63.84	0.84
June	1	3.76	2.00	1.40	1.10	0.95		0.67	9.20	3.57	0.00	2.79	3.89	58.35	0.82
	2	3.79	2.00	1.60		0.95		0.33	9.20	3.60	0.00	1.32	1.32	19.80	0.28
July	1	3.52	2.00	4.60				0.00	9.00	0.00	0.00	0.00	0.00	0.00	0.00
	2	3.58	2.00	4.20					9.00	0.00	0.00	0.00	0.00	0.00	0.00
Aug.	1	3.65	2.00	2.00					9.10	0.00	0.00	0.00	0.00	0.00	0.00
	2	3.48	2.00	1.20					9.00	0.00	0.00	0.00	0.00	0.00	0.00
Sep.	1	3.46	2.00	4.60			1.00		9.00	0.00	4.40	0.00	4.40	66.00	0.93
	2	3.53	2.00	4.00		1.10	0.67	0.33	9.00	3.88	3.35	0.62	3.97	59.55	0.84
Oct.	1	3.60	2.00	6.20		1.10	0.33	0.67	9.10	3.96	0.96	0.00	0.96	14.40	0.20
	2	3.67	2.00	4.30	1.10	1.08		1.00	9.10	3.96	0.00	1.66	2.76	44.16	0.58
Nov.	1	3.62	2.00	5.20	1.10	1.07		1.00	9.10	3.87	0.00	0.67	1.77	26.55	0.37
	2	3.66	2.00	8.90	2.20	1.02		1.00	9.10	3.73	0.00	0.00	2.20	33.00	0.46
Dec.	1	3.32	2.00	4.40	1.10	0.98		1.00	8.90	3.25	0.00	0.85	1.95	29.25	0.41
	2	3.04	2.00	3.80	1.10	0.95		0.67	8.60	2.89	0.00	0.73	1.83	29.28	0.39

Note
ETo : Reference crop evapotranspiration (mm/day)
P : Percolation (mm/day)
Re : Effective rainfall (mm/day)
AWLR : Average water layer replacement (mm/day)
ACC : Average crop coefficients
LPA : Land preparation area
CA : Crop area
LPWR : Irrigation water requirements during land preparation (mm/day)
ETc : Consumptive use (mm/day)
NLPR : Net land preparation water requirements (mm/day)
NFR : Net field water requirements (mm/day)
Div. Req. : Unit diversion water requirements (l/sec/ha)

Table VII.3.3 (13/36) CALCULATION OF UNIT WATER DIVERSION REQUIREMENT (PRESENT CONDITION)

B. Lubuk Jambi Irrigation Development Project

(B-1) 1981

Month	Period	ETo (mm/day)	P (mm/day)	Re (mm/day)	AWLR (mm/day)	ACC	LPA	CA	LPWR (mm/day)	ETc (mm/day)	NLPR (mm/day)	(ETc+P-Re)*CA (mm/day)	NFR (mm/day)	NFR*Days (mm)	Div. Req. (l/sec/ha)
Jan.	1	3.39	2.00	7.00					8.90	0.00	0.00	0.00	0.00	0.00	0.00
	2	3.34	2.00	6.40					8.90	0.00	0.00	0.00	0.00	0.00	0.00
Feb.	1	3.92	2.00	6.40					9.30	0.00	0.00	0.00	0.00	0.00	0.00
	2	4.10	2.00	6.40			1.00		9.40	0.00	3.00	0.00	3.00	39.00	0.63
Mar.	1	3.81	2.00	6.80		1.10	0.67	0.33	9.20	4.19	1.61	0.00	1.61	24.15	0.34
	2	4.08	2.00	4.70		1.10	0.33	0.67	9.40	4.49	1.55	1.20	2.75	44.00	0.58
Apr.	1	3.96	2.00	13.80	1.10	1.08		1.00	9.30	4.28	0.00	0.00	1.10	16.50	0.23
	2	4.07	2.00	6.40	1.10	1.07		1.00	9.40	4.35	0.00	0.00	1.10	16.50	0.23
May	1	3.81	2.00	4.50	2.20	1.02		1.00	9.20	3.89	0.00	1.39	3.59	53.85	0.76
	2	3.66	2.00	5.60	1.10	0.93		1.00	9.10	3.40	0.00	0.00	1.10	17.60	0.23
June	1	3.15	2.00	3.30	1.10	0.95		0.67	8.70	2.99	0.00	1.13	2.23	33.45	0.47
	2	3.09	2.00	1.70		0.95		0.33	8.70	2.94	0.00	1.07	1.07	16.05	0.23
July	1	3.27	2.00	4.40				0.00	8.80	0.00	0.00	0.00	0.00	0.00	0.00
	2	3.52	2.00	4.50					9.00	0.00	0.00	0.00	0.00	0.00	0.00
Aug.	1	3.74	2.00	0.00					9.20	0.00	0.00	0.00	0.00	0.00	0.00
	2	3.82	2.00	0.30					9.20	0.00	0.00	0.00	0.00	0.00	0.00
Sep.	1	3.68	2.00	7.30					9.10	0.00	0.00	0.00	0.00	0.00	0.00
	2	3.70	2.00	5.80					9.10	0.00	0.00	0.00	0.00	0.00	0.00
Oct.	1	3.88	2.00	8.50					9.30	0.00	0.00	0.00	0.00	0.00	0.00
	2	3.87	2.00	2.50					9.30	0.00	0.00	0.00	0.00	0.00	0.00
Nov.	1	3.95	2.00	8.30					9.30	0.00	0.00	0.00	0.00	0.00	0.00
	2	4.01	2.00	2.80					9.40	0.00	0.00	0.00	0.00	0.00	0.00
Dec.	1	3.71	2.00	4.00					9.10	0.00	0.00	0.00	0.00	0.00	0.00
	2	3.66	2.00	3.90					9.10	0.00	0.00	0.00	0.00	0.00	0.00

Note
ETo : Reference crop evapotranspiration (mm/day)
P : Percolation (mm/day)
Re : Effective rainfall (mm/day)
AWLR : Average water layer replacement (mm/day)
ACC : Average crop coefficients
LPA : Land preparation area
CA : Crop area
LPWR : Irrigation water requirements during land preparation (mm/day)
ETc : Consumptive use (mm/day)
NLPR : Net land preparation water requirements (mm/day)
NFR : Net field water requirements (mm/day)
Div. Req. : Unit diversion water requirements (l/sec/ha)

Table VII.3.3 (14/36) CALCULATION OF UNIT WATER DIVERSION REQUIREMENT (PRESENT CONDITION)

(B-2) 1982

Month	Period	ETo (mm/day)	P (mm/day)	Re (mm/day)	AWLR (mm/day)	ACC	LPA	CA	LPWR (mm/day)	ETc (mm/day)	NLPR (mm/day)	(ETc+P-Re)*CA (mm/day)	NFR (mm/day)	NFR*Days (mm)	Div. Req. (l/sec/ha)
Jan.	1	3.39	2.00	9.10					8.90	0.00	0.00	0.00	0.00	0.00	0.00
	2	3.34	2.00	1.10					8.90	0.00	0.00	0.00	0.00	0.00	0.00
Feb.	1	3.92	2.00	5.60					9.30	0.00	0.00	0.00	0.00	0.00	0.00
	2	4.10	2.00	2.70			1.00		9.40	0.00	6.70	0.00	6.70	87.10	1.41
Mar.	1	3.81	2.00	6.30		1.10	0.67	0.33	9.20	4.19	1.94	0.00	1.94	29.10	0.41
	2	4.08	2.00	11.80		1.10	0.33	0.67	9.40	4.49	0.00	0.00	0.00	0.00	0.00
Apr.	1	3.96	2.00	21.70	1.10	1.08		1.00	9.30	4.28	0.00	0.00	1.10	16.50	0.23
	2	4.07	2.00	8.70	1.10	1.07		1.00	9.40	4.35	0.00	0.00	1.10	16.50	0.23
May	1	3.81	2.00	8.40	2.20	1.02		1.00	9.20	3.89	0.00	0.00	2.20	33.00	0.46
	2	3.66	2.00	5.40	1.10	0.93		1.00	9.10	3.40	0.00	0.00	1.10	17.60	0.23
June	1	3.15	2.00	4.90	1.10	0.95		0.67	8.70	2.99	0.00	0.06	1.16	17.40	0.24
	2	3.09	2.00	0.00		0.95		0.33	8.70	2.94	0.00	1.63	1.63	24.45	0.34
July	1	3.27	2.00	3.50				0.00	8.80	0.00	0.00	0.00	0.00	0.00	0.00
	2	3.52	2.00	1.00					9.00	0.00	0.00	0.00	0.00	0.00	0.00
Aug.	1	3.74	2.00	4.70					9.20	0.00	0.00	0.00	0.00	0.00	0.00
	2	3.82	2.00	2.60					9.20	0.00	0.00	0.00	0.00	0.00	0.00
Sep.	1	3.68	2.00	0.00					9.10	0.00	0.00	0.00	0.00	0.00	0.00
	2	3.70	2.00	0.70					9.10	0.00	0.00	0.00	0.00	0.00	0.00
Oct.	1	3.88	2.00	6.90					9.30	0.00	0.00	0.00	0.00	0.00	0.00
	2	3.87	2.00	4.90					9.30	0.00	0.00	0.00	0.00	0.00	0.00
Nov.	1	3.95	2.00	10.80					9.30	0.00	0.00	0.00	0.00	0.00	0.00
	2	4.01	2.00	1.00					9.40	0.00	0.00	0.00	0.00	0.00	0.00
Dec.	1	3.71	2.00	7.30					9.10	0.00	0.00	0.00	0.00	0.00	0.00
	2	3.66	2.00	10.10					9.10	0.00	0.00	0.00	0.00	0.00	0.00

Note -
ETo : Reference crop evapotranspiration (mm/day)
P : Percolation (mm/day)
Re : Effective rainfall (mm/day)
AWLR : Average water layer replacement (mm/day)
ACC : Average crop coefficients
LPA : Land preparation area
CA : Crop area
LPWR : Irrigation water requirements during land preparation (mm/day)
ETc : Consumptive use (mm/day)
NLPR : Net land preparation water requirements (mm/day)
NFR : Net field water requirements (mm/day)
Div. Req. : Unit diversion water requirements (l/sec/ha)

Table VII.3.3 (15/36) CALCULATION OF UNIT WATER DIVERSION REQUIREMENT (PRESENT CONDITION)

(B-3) 1983

Month	Period	ETo (mm/day)	P (mm/day)	Re (mm/day)	AWLR (mm/day)	ACC	LPA	CA	LPWR (mm/day)	ETc (mm/day)	NLPR (mm/day)	(ETc+P-Re)*CA (mm/day)	NFR (mm/day)	NFR*Days (mm)	Div. Req. (l/sec/ha)
Jan.	1	3.39	2.00	7.60					8.90	0.00	0.00	0.00	0.00	0.00	0.00
	2	3.34	2.00	10.70					8.90	0.00	0.00	0.00	0.00	0.00	0.00
Feb.	1	3.92	2.00	4.10					9.30	0.00	0.00	0.00	0.00	0.00	0.00
	2	4.10	2.00	3.20			1.00		9.40	0.00	6.20	0.00	6.20	80.60	1.30
Mar.	1	3.81	2.00	6.90		1.10	0.67	0.33	9.20	4.19	1.54	0.00	1.54	23.10	0.32
	2	4.08	2.00	3.50		1.10	0.33	0.67	9.40	4.49	1.95	2.00	3.95	63.20	0.83
Apr.	1	3.96	2.00	2.40	1.10	1.08		1.00	9.30	4.28	0.00	3.88	4.98	74.70	1.05
	2	4.07	2.00	2.30	1.10	1.07		1.00	9.40	4.35	0.00	4.05	5.15	77.25	1.08
May	1	3.81	2.00	16.20	2.20	1.02		1.00	9.20	3.89	0.00	0.00	2.20	33.00	0.46
	2	3.66	2.00	6.60	1.10	0.93		1.00	9.10	3.40	0.00	0.00	1.10	17.60	0.23
June	1	3.15	2.00	3.40	1.10	0.95		0.67	8.70	2.99	0.00	1.07	2.17	32.55	0.46
	2	3.09	2.00	5.40		0.95		0.33	8.70	2.94	0.00	0.00	0.00	0.00	0.00
July	1	3.27	2.00	6.80				0.00	8.80	0.00	0.00	0.00	0.00	0.00	0.00
	2	3.52	2.00	3.90					9.00	0.00	0.00	0.00	0.00	0.00	0.00
Aug.	1	3.74	2.00	4.60					9.20	0.00	0.00	0.00	0.00	0.00	0.00
	2	3.82	2.00	4.60					9.20	0.00	0.00	0.00	0.00	0.00	0.00
Sep.	1	3.68	2.00	5.30					9.10	0.00	0.00	0.00	0.00	0.00	0.00
	2	3.70	2.00	0.50					9.10	0.00	0.00	0.00	0.00	0.00	0.00
Oct.	1	3.88	2.00	4.60					9.30	0.00	0.00	0.00	0.00	0.00	0.00
	2	3.87	2.00	5.30					9.30	0.00	0.00	0.00	0.00	0.00	0.00
Nov.	1	3.95	2.00	9.30					9.30	0.00	0.00	0.00	0.00	0.00	0.00
	2	4.01	2.00	5.60					9.40	0.00	0.00	0.00	0.00	0.00	0.00
Dec.	1	3.71	2.00	5.00					9.10	0.00	0.00	0.00	0.00	0.00	0.00
	2	3.66	2.00	7.40					9.10	0.00	0.00	0.00	0.00	0.00	0.00

Note
ETo : Reference crop evapotranspiration (mm/day)
P : Percolation (mm/day)
Re : Effective rainfall (mm/day)
AWLR : Average water layer replacement (mm/day)
ACC : Average crop coefficients
LPA : Land preparation area
CA : Crop area
LPWR : Irrigation water requirements during land preparation (mm/day)
ETc : Consumptive use (mm/day)
NLPR : Net land preparation water requirements (mm/day)
NFR : Net field water requirements (mm/day)
Div. Req. : Unit diversion water requirements (l/sec/ha)

Table VII.3.3 (16/36) CALCULATION OF UNIT WATER DIVERSION REQUIREMENT (PRESENT CONDITION)

(B-4) 1984

Month	Period	ETo (mm/day)	P (mm/day)	Re (mm/day)	AWLR (mm/day)	ACC	LPA	CA	LPWR (mm/day)	ETc (mm/day)	NLPR (mm/day)	(ETc+P-Re)*CA (mm/day)	NFR (mm/day)	NFR*Days (mm)	Div. Req. (l/sec/ha)
Jan.	1	3.39	2.00	6.00					8.90	0.00	0.00	0.00	0.00	0.00	0.00
	2	3.34	2.00	7.90					8.90	0.00	0.00	0.00	0.00	0.00	0.00
Feb.	1	3.92	2.00	5.50					9.30	0.00	0.00	0.00	0.00	0.00	0.00
	2	4.10	2.00	9.20			1.00		9.40	0.00	0.20	0.00	0.20	2.80	0.04
Mar.	1	3.81	2.00	8.30		1.10	0.67	0.33	9.20	4.19	0.60	0.00	0.60	9.00	0.13
	2	4.08	2.00	9.00		1.10	0.33	0.67	9.40	4.49	0.13	0.00	0.13	2.08	0.03
Apr.	1	3.96	2.00	13.20	1.10	1.08		1.00	9.30	4.28	0.00	0.00	1.10	16.50	0.23
	2	4.07	2.00	3.70	1.10	1.07		1.00	9.40	4.35	0.00	2.65	3.75	56.25	0.79
May	1	3.81	2.00	9.20	2.20	1.02		1.00	9.20	3.89	0.00	0.00	2.20	33.00	0.46
	2	3.66	2.00	5.90	1.10	0.93		1.00	9.10	3.40	0.00	0.00	1.10	17.60	0.23
June	1	3.15	2.00	8.40	1.10	0.95		0.67	8.70	2.99	0.00	0.00	1.10	16.50	0.23
	2	3.09	2.00	2.80		0.95		0.33	8.70	2.94	0.00	0.71	0.71	10.65	0.15
July	1	3.27	2.00	2.70				0.00	8.80	0.00	0.00	0.00	0.00	0.00	0.00
	2	3.52	2.00	2.90					9.00	0.00	0.00	0.00	0.00	0.00	0.00
Aug.	1	3.74	2.00	3.70					9.20	0.00	0.00	0.00	0.00	0.00	0.00
	2	3.82	2.00	5.60					9.20	0.00	0.00	0.00	0.00	0.00	0.00
Sep.	1	3.68	2.00	3.60					9.10	0.00	0.00	0.00	0.00	0.00	0.00
	2	3.70	2.00	6.10					9.10	0.00	0.00	0.00	0.00	0.00	0.00
Oct.	1	3.88	2.00	7.60					9.30	0.00	0.00	0.00	0.00	0.00	0.00
	2	3.87	2.00	5.20					9.30	0.00	0.00	0.00	0.00	0.00	0.00
Nov.	1	3.95	2.00	4.50					9.30	0.00	0.00	0.00	0.00	0.00	0.00
	2	4.01	2.00	4.70					9.40	0.00	0.00	0.00	0.00	0.00	0.00
Dec.	1	3.71	2.00	4.90					9.10	0.00	0.00	0.00	0.00	0.00	0.00
	2	3.66	2.00	4.90					9.10	0.00	0.00	0.00	0.00	0.00	0.00

Note
ETo : Reference crop evapotranspiration (mm/day)
P : Percolation (mm/day)
Re : Effective rainfall (mm/day)
AWLR : Average water layer replacement (mm/day)
ACC : Average crop coefficients
LPA : Land preparation area
CA : Crop area
LPWR : Irrigation water requirements during land preparation (mm/day)
ETc : Consumptive use (mm/day)
NLPR : Net land preparation water requirements (mm/day)
NFR : Net field water requirements (mm/day)
Div. Req. : Unit diversion water requirements (l/sec/ha)

Table VII.3.3 (17/36) CALCULATION OF UNIT WATER DIVERSION REQUIREMENT (PRESENT CONDITION)

(B-5) 1985

Month	Period	ETo (mm/day)	P (mm/day)	Re (mm/day)	AWLR (mm/day)	ACC	LPA	CA	LPWR (mm/day)	ETc (mm/day)	NLPR (mm/day)	(ETc+P-Re)*CA (mm/day)	NFR (mm/day)	NFR*Days (mm)	Div. Req. (l/sec/ha)
Jan.	1	3.39	2.00	10.90					8.90	0.00	0.00	0.00	0.00	0.00	0.00
	2	3.34	2.00	8.00					8.90	0.00	0.00	0.00	0.00	0.00	0.00
Feb.	1	3.92	2.00	3.10					9.30	0.00	0.00	0.00	0.00	0.00	0.00
	2	4.10	2.00	0.50			1.00		9.40	0.00	8.90	0.00	8.90	115.70	1.87
Mar.	1	3.81	2.00	9.50		1.10	0.67	0.33	9.20	4.19	0.00	0.00	0.00	0.00	0.00
	2	4.08	2.00	6.00		1.10	0.33	0.67	9.40	4.49	1.12	0.33	1.45	23.20	0.31
Apr.	1	3.96	2.00	2.70	1.10	1.08		1.00	9.30	4.28	0.00	3.58	4.68	70.20	0.98
	2	4.07	2.00	3.00	1.10	1.07		1.00	9.40	4.35	0.00	3.35	4.45	66.75	0.94
May	1	3.81	2.00	8.40	2.20	1.02		1.00	9.20	3.89	0.00	0.00	2.20	33.00	0.46
	2	3.66	2.00	5.20	1.10	0.93		1.00	9.10	3.40	0.00	0.20	1.30	20.80	0.27
June	1	3.15	2.00	1.30	1.10	0.95		0.67	8.70	2.99	0.00	2.47	3.57	53.55	0.75
	2	3.09	2.00	0.60		0.95		0.33	8.70	2.94	0.00	1.43	1.43	21.45	0.30
July	1	3.27	2.00	4.20				0.00	8.80	0.00	0.00	0.00	0.00	0.00	0.00
	2	3.52	2.00	3.10					9.00	0.00	0.00	0.00	0.00	0.00	0.00
Aug.	1	3.74	2.00	0.40					9.20	0.00	0.00	0.00	0.00	0.00	0.00
	2	3.82	2.00	3.50					9.20	0.00	0.00	0.00	0.00	0.00	0.00
Sep.	1	3.68	2.00	2.70					9.10	0.00	0.00	0.00	0.00	0.00	0.00
	2	3.70	2.00	5.70					9.10	0.00	0.00	0.00	0.00	0.00	0.00
Oct.	1	3.88	2.00	7.60					9.30	0.00	0.00	0.00	0.00	0.00	0.00
	2	3.87	2.00	5.30					9.30	0.00	0.00	0.00	0.00	0.00	0.00
Nov.	1	3.95	2.00	4.20					9.30	0.00	0.00	0.00	0.00	0.00	0.00
	2	4.01	2.00	2.70					9.40	0.00	0.00	0.00	0.00	0.00	0.00
Dec.	1	3.71	2.00	9.10					9.10	0.00	0.00	0.00	0.00	0.00	0.00
	2	3.66	2.00	11.60					9.10	0.00	0.00	0.00	0.00	0.00	0.00

Note

ETo : Reference crop evapotranspiration (mm/day)
P : Percolation (mm/day)
Re : Effective rainfall (mm/day)
AWLR : Average water layer replacement (mm/day)
ACC : Average crop coefficients
LPA : Land preparation area
CA : Crop area
LPWR : Irrigation water requirements during land preparation (mm/day)
ETc : Consumptive use (mm/day)
NLPR : Net land preparation water requirements (mm/day)
NFR : Net field water requirements (mm/day)
Div. Req. : Unit diversion water requirements (l/sec/ha)

Table VII.3.3 (18/36) CALCULATION OF UNIT WATER DIVERSION REQUIREMENT (PRESENT CONDITION)

(B-6) 1986

Month	Period	ETo (mm/day)	P (mm/day)	Re (mm/day)	AWLR (mm/day)	ACC	LPA	CA	LPWR (mm/day)	ETc (mm/day)	NLPR (mm/day)	(ETc+P-Re)*CA (mm/day)	NFR (mm/day)	NFR*Days (mm)	Div. Req. (l/sec/ha)
Jan.	1	3.39	2.00	8.70					8.90	0.00	0.00	0.00	0.00	0.00	0.00
	2	3.34	2.00	5.30					8.90	0.00	0.00	0.00	0.00	0.00	0.00
Feb.	1	3.92	2.00	3.50					9.30	0.00	0.00	0.00	0.00	0.00	0.00
	2	4.10	2.00	0.80			1.00		9.40	0.00	8.60	0.00	8.60	111.80	1.81
Mar.	1	3.81	2.00	9.80		1.10	0.67	0.33	9.20	4.19	0.00	0.00	0.00	0.00	0.00
	2	4.08	2.00	5.80		1.10	0.33	0.67	9.40	4.49	1.19	0.46	1.65	26.40	0.35
Apr.	1	3.96	2.00	5.50	1.10	1.08		1.00	9.30	4.28	0.00	0.78	1.88	28.20	0.40
	2	4.07	2.00	14.90	1.10	1.07		1.00	9.40	4.35	0.00	0.00	1.10	16.50	0.23
May	1	3.81	2.00	8.50	2.20	1.02		1.00	9.20	3.89	0.00	0.00	2.20	33.00	0.46
	2	3.66	2.00	0.90	1.10	0.93		1.00	9.10	3.40	0.00	4.50	5.60	89.60	1.18
June	1	3.15	2.00	2.70	1.10	0.95		0.67	8.70	2.99	0.00	1.53	2.63	39.45	0.55
	2	3.09	2.00	1.20		0.95		0.33	8.70	2.94	0.00	1.23	1.23	18.45	0.26
July	1	3.27	2.00	3.50				0.00	8.80	0.00	0.00	0.00	0.00	0.00	0.00
	2	3.52	2.00	3.20					9.00	0.00	0.00	0.00	0.00	0.00	0.00
Aug.	1	3.74	2.00	0.00					9.20	0.00	0.00	0.00	0.00	0.00	0.00
	2	3.82	2.00	0.70					9.20	0.00	0.00	0.00	0.00	0.00	0.00
Sep.	1	3.68	2.00	3.30					9.10	0.00	0.00	0.00	0.00	0.00	0.00
	2	3.70	2.00	9.50					9.10	0.00	0.00	0.00	0.00	0.00	0.00
Oct.	1	3.88	2.00	8.40					9.30	0.00	0.00	0.00	0.00	0.00	0.00
	2	3.87	2.00	9.90					9.30	0.00	0.00	0.00	0.00	0.00	0.00
Nov.	1	3.95	2.00	4.40					9.30	0.00	0.00	0.00	0.00	0.00	0.00
	2	4.01	2.00	12.60					9.40	0.00	0.00	0.00	0.00	0.00	0.00
Dec.	1	3.71	2.00	12.40					9.10	0.00	0.00	0.00	0.00	0.00	0.00
	2	3.66	2.00	5.20					9.10	0.00	0.00	0.00	0.00	0.00	0.00

Note
ETo : Reference crop evapotranspiration (mm/day)
P : Percolation (mm/day)
Re : Effective rainfall (mm/day)
AWLR : Average water layer replacement (mm/day)
ACC : Average crop coefficients
LPA : Land preparation area
CA : Crop area
LPWR : Irrigation water requirements during land preparation (mm/day)
ETc : Consumptive use (mm/day)
NLPR : Net land preparation water requirements (mm/day)
NFR : Net field water requirements (mm/day)
Div. Req. : Unit diversion water requirements (l/sec/ha)

Table VII.3.3 (19/36) CALCULATION OF UNIT WATER DIVERSION REQUIREMENT (PRESENT CONDITION)

(B-7) 1987

Month	Period	ETo (mm/day)	P (mm/day)	Re (mm/day)	AWLR (mm/day)	ACC	LPA	CA	LPWR (mm/day)	ETc (mm/day)	NLPR (mm/day)	(ETc+P-Re)*CA (mm/day)	NFR (mm/day)	NFR*Days (mm)	Div. Req. (l/sec/ha)
Jan.	1	3.39	2.00	5.60					8.90	0.00	0.00	0.00	0.00	0.00	0.00
	2	3.34	2.00	5.90					8.90	0.00	0.00	0.00	0.00	0.00	0.00
Feb.	1	3.92	2.00	4.70					9.30	0.00	0.00	0.00	0.00	0.00	0.00
	2	4.10	2.00	0.30			1.00		9.40	0.00	9.10	0.00	9.10	118.30	1.91
Mar.	1	3.81	2.00	7.20		1.10	0.67	0.33	9.20	4.19	1.34	0.00	1.34	20.10	0.28
	2	4.08	2.00	2.30		1.10	0.33	0.67	9.40	4.49	2.34	2.81	5.15	82.40	1.08
Apr.	1	3.96	2.00	0.60	1.10	1.08		1.00	9.30	4.28	0.00	5.68	6.78	101.70	1.43
	2	4.07	2.00	2.90	1.10	1.07		1.00	9.40	4.35	0.00	3.45	4.55	68.25	0.96
May	1	3.81	2.00	6.40	2.20	1.02		1.00	9.20	3.89	0.00	0.00	2.20	33.00	0.46
	2	3.66	2.00	3.50	1.10	0.93		1.00	9.10	3.40	0.00	1.90	3.00	48.00	0.63
June	1	3.15	2.00	3.70	1.10	0.95		0.67	8.70	2.99	0.00	0.86	1.96	29.40	0.41
	2	3.09	2.00	3.50		0.95		0.33	8.70	2.94	0.00	0.48	0.48	7.20	0.10
July	1	3.27	2.00	1.10				0.00	8.80	0.00	0.00	0.00	0.00	0.00	0.00
	2	3.52	2.00	2.20					9.00	0.00	0.00	0.00	0.00	0.00	0.00
Aug.	1	3.74	2.00	3.50					9.20	0.00	0.00	0.00	0.00	0.00	0.00
	2	3.82	2.00	1.10					9.20	0.00	0.00	0.00	0.00	0.00	0.00
Sep.	1	3.68	2.00	3.10					9.10	0.00	0.00	0.00	0.00	0.00	0.00
	2	3.70	2.00	2.70					9.10	0.00	0.00	0.00	0.00	0.00	0.00
Oct.	1	3.88	2.00	3.60					9.30	0.00	0.00	0.00	0.00	0.00	0.00
	2	3.87	2.00	4.30					9.30	0.00	0.00	0.00	0.00	0.00	0.00
Nov.	1	3.95	2.00	7.10					9.30	0.00	0.00	0.00	0.00	0.00	0.00
	2	4.01	2.00	4.20					9.40	0.00	0.00	0.00	0.00	0.00	0.00
Dec.	1	3.71	2.00	3.40					9.10	0.00	0.00	0.00	0.00	0.00	0.00
	2	3.66	2.00	1.40					9.10	0.00	0.00	0.00	0.00	0.00	0.00

Note.
ETo : Reference crop evapotranspiration (mm/day)
P : Percolation (mm/day)
Re : Effective rainfall (mm/day)
AWLR : Average water layer replacement (mm/day)
ACC : Average crop coefficients
LPA : Land preparation area
CA : Crop area
LPWR : Irrigation water requirements during land preparation (mm/day)
ETc : Consumptive use (mm/day)
NLPR : Net land preparation water requirements (mm/day)
NFR : Net field water requirements (mm/day)
Div. Req. : Unit diversion water requirements (l/sec/ha)

Table VII.3.3 (20/36) CALCULATION OF UNIT WATER DIVERSION REQUIREMENT (PRESENT CONDITION)

(B-8) 1988

Month	Period	ETo (mm/day)	P (mm/day)	Re (mm/day)	AWLR (mm/day)	ACC	LPA	CA	LPWR (mm/day)	ETc (mm/day)	NLPR (mm/day)	(ETc+P-Re)*CA (mm/day)	NFR (mm/day)	NFR*Days (mm)	Div. Req. (l/sec/ha)
Jan.	1	3.39	2.00	1.00					8.90	0.00	0.00	0.00	0.00	0.00	0.00
	2	3.34	2.00	7.40					8.90	0.00	0.00	0.00	0.00	0.00	0.00
Feb.	1	3.92	2.00	1.90					9.30	0.00	0.00	0.00	0.00	0.00	0.00
	2	4.10	2.00	5.10			1.00		9.40	0.00	4.30	0.00	4.30	60.20	0.90
Mar.	1	3.81	2.00	7.40		1.10	0.67	0.33	9.20	4.19	1.21	0.00	1.21	18.15	0.25
	2	4.08	2.00	2.20		1.10	0.33	0.67	9.40	4.49	2.38	2.87	5.25	84.00	1.10
Apr.	1	3.96	2.00	4.90	1.10	1.08		1.00	9.30	4.28	0.00	1.38	2.48	37.20	0.52
	2	4.07	2.00	1.10	1.10	1.07		1.00	9.40	4.35	0.00	5.25	6.35	95.25	1.34
May	1	3.81	2.00	9.80	2.20	1.02		1.00	9.20	3.89	0.00	0.00	2.20	33.00	0.46
	2	3.66	2.00	2.90	1.10	0.93		1.00	9.10	3.40	0.00	2.50	3.60	57.60	0.76
June	1	3.15	2.00	4.30	1.10	0.95		0.67	8.70	2.99	0.00	0.46	1.56	23.40	0.33
	2	3.09	2.00	0.80		0.95		0.33	8.70	2.94	0.00	1.37	1.37	20.55	0.29
July	1	3.27	2.00	1.40				0.00	8.80	0.00	0.00	0.00	0.00	0.00	0.00
	2	3.52	2.00	0.70					9.00	0.00	0.00	0.00	0.00	0.00	0.00
Aug.	1	3.74	2.00	5.50					9.20	0.00	0.00	0.00	0.00	0.00	0.00
	2	3.82	2.00	0.40					9.20	0.00	0.00	0.00	0.00	0.00	0.00
Sep.	1	3.68	2.00	1.60					9.10	0.00	0.00	0.00	0.00	0.00	0.00
	2	3.70	2.00	3.20					9.10	0.00	0.00	0.00	0.00	0.00	0.00
Oct.	1	3.88	2.00	2.20					9.30	0.00	0.00	0.00	0.00	0.00	0.00
	2	3.87	2.00	1.50					9.30	0.00	0.00	0.00	0.00	0.00	0.00
Nov.	1	3.95	2.00	2.80					9.30	0.00	0.00	0.00	0.00	0.00	0.00
	2	4.01	2.00	2.00					9.40	0.00	0.00	0.00	0.00	0.00	0.00
Dec.	1	3.71	2.00	7.70					9.10	0.00	0.00	0.00	0.00	0.00	0.00
	2	3.66	2.00	1.90					9.10	0.00	0.00	0.00	0.00	0.00	0.00

Note
ETo : Reference crop evapotranspiration (mm/day)
P : Percolation (mm/day)
Re : Effective rainfall (mm/day)
AWLR : Average water layer replacement (mm/day)
ACC : Average crop coefficients
LPA : Land preparation area
CA : Crop area
LPWR : Irrigation water requirements during land preparation (mm/day)
ETc : Consumptive use (mm/day)
NLPR : Net land preparation water requirements (mm/day)
NFR : Net field water requirements (mm/day)
Div. Req. : Unit diversion water requirements (l/sec/ha)

Table VII.3.3 (21/36) CALCULATION OF UNIT WATER DIVERSION REQUIREMENT (PRESENT CONDITION)

(B-9) 1989

Month	Period	ETo (mm/day)	P (mm/day)	Re (mm/day)	AWLR (mm/day)	ACC	LPA	CA	LPWR (mm/day)	ETc (mm/day)	NLPR (mm/day)	(ETc+P-Re)*CA (mm/day)	NFR (mm/day)	NFR*Days (mm)	Div. Req. (l/sec/ha)
Jan.	1	3.39	2.00	10.50					8.90	0.00	0.00	0.00	0.00	0.00	0.00
	2	3.34	2.00	5.40					8.90	0.00	0.00	0.00	0.00	0.00	0.00
Feb.	1	3.92	2.00	2.70					9.30	0.00	0.00	0.00	0.00	0.00	0.00
	2	4.10	2.00	4.30			1.00		9.40	0.00	5.10	0.00	5.10	66.30	1.07
Mar.	1	3.81	2.00	4.60		1.10	0.67	0.33	9.20	4.19	3.08	0.52	3.60	54.00	0.76
	2	4.08	2.00	7.60		1.10	0.33	0.67	9.40	4.49	0.59	0.00	0.59	9.44	0.12
Apr.	1	3.96	2.00	4.00	1.10	1.08		1.00	9.30	4.28	0.00	2.28	3.38	50.70	0.71
	2	4.07	2.00	2.20	1.10	1.07		1.00	9.40	4.35	0.00	4.15	5.25	78.75	1.10
May	1	3.81	2.00	8.00	2.20	1.02		1.00	9.20	3.89	0.00	0.00	2.20	33.00	0.46
	2	3.66	2.00	3.30	1.10	0.93		1.00	9.10	3.40	0.00	2.10	3.20	51.20	0.67
June	1	3.15	2.00	2.60	1.10	0.95		0.67	8.70	2.99	0.00	1.60	2.70	40.50	0.57
	2	3.09	2.00	2.00		0.95		0.33	8.70	2.94	0.00	0.97	0.97	14.55	0.20
July	1	3.27	2.00	3.00				0.00	8.80	0.00	0.00	0.00	0.00	0.00	0.00
	2	3.52	2.00	0.00					9.00	0.00	0.00	0.00	0.00	0.00	0.00
Aug.	1	3.74	2.00	0.70					9.20	0.00	0.00	0.00	0.00	0.00	0.00
	2	3.82	2.00	4.50					9.20	0.00	0.00	0.00	0.00	0.00	0.00
Sep.	1	3.68	2.00	4.90					9.10	0.00	0.00	0.00	0.00	0.00	0.00
	2	3.70	2.00	0.60					9.10	0.00	0.00	0.00	0.00	0.00	0.00
Oct.	1	3.88	2.00	5.50					9.30	0.00	0.00	0.00	0.00	0.00	0.00
	2	3.87	2.00	2.30					9.30	0.00	0.00	0.00	0.00	0.00	0.00
Nov.	1	3.95	2.00	10.30					9.30	0.00	0.00	0.00	0.00	0.00	0.00
	2	4.01	2.00	9.80					9.40	0.00	0.00	0.00	0.00	0.00	0.00
Dec.	1	3.71	2.00	15.70					9.10	0.00	0.00	0.00	0.00	0.00	0.00
	2	3.66	2.00	7.20					9.10	0.00	0.00	0.00	0.00	0.00	0.00

Note
ETo : Reference crop evapotranspiration (mm/day)
P : Percolation (mm/day)
Re : Effective rainfall (mm/day)
AWLR : Average water layer replacement (mm/day)
ACC : Average crop coefficients
LPA : Land preparation area
CA : Crop area
LPWR : Irrigation water requirements during land preparation (mm/day)
ETc : Consumptive use (mm/day)
NLPR : Net land preparation water requirements (mm/day)
NFR : Net field water requirements (mm/day)
Div. Req. : Unit diversion water requirements (l/sec/ha)

Table VII.3.3 (22/36) CALCULATION OF UNIT WATER DIVERSION REQUIREMENT (PRESENT CONDITION)

(B-10) 1990

Month	Period	ETo (mm/day)	P (mm/day)	Re (mm/day)	AWLR (mm/day)	ACC	LPA	CA	LPWR (mm/day)	ETc (mm/day)	NLPR (mm/day)	(ETc+P-Re)*CA (mm/day)	NFR (mm/day)	NFR*Days (mm)	Div. Req. (l/sec/ha)
Jan.	1	3.39	2.00	1.50					8.90	0.00	0.00	0.00	0.00	0.00	0.00
	2	3.34	2.00	3.30					8.90	0.00	0.00	0.00	0.00	0.00	0.00
Feb.	1	3.92	2.00	2.10					9.30	0.00	0.00	0.00	0.00	0.00	0.00
	2	4.10	2.00	4.40			1.00		9.40	0.00	5.00	0.00	5.00	65.00	1.05
Mar.	1	3.81	2.00	6.90		1.10	0.67	0.33	9.20	4.19	1.54	0.00	1.54	23.10	0.32
	2	4.08	2.00	2.60		1.10	0.33	0.67	9.40	4.49	2.24	2.61	4.85	77.60	1.02
Apr.	1	3.96	2.00	6.80	1.10	1.08		1.00	9.30	4.28	0.00	0.00	1.10	16.50	0.23
	2	4.07	2.00	1.10	1.10	1.07		1.00	9.40	4.35	0.00	5.25	6.35	95.25	1.34
May	1	3.81	2.00	11.40	2.20	1.02		1.00	9.20	3.89	0.00	0.00	2.20	33.00	0.46
	2	3.66	2.00	1.80	1.10	0.93		1.00	9.10	3.40	0.00	3.60	4.70	75.20	0.99
June	1	3.15	2.00	0.50	1.10	0.95		0.67	8.70	2.99	0.00	3.01	4.11	61.65	0.86
	2	3.09	2.00	1.00		0.95		0.33	8.70	2.94	0.00	1.30	1.30	19.50	0.27
July	1	3.27	2.00	4.30				0.00	8.80	0.00	0.00	0.00	0.00	0.00	0.00
	2	3.52	2.00	5.60					9.00	0.00	0.00	0.00	0.00	0.00	0.00
Aug.	1	3.74	2.00	0.40					9.20	0.00	0.00	0.00	0.00	0.00	0.00
	2	3.82	2.00	5.50					9.20	0.00	0.00	0.00	0.00	0.00	0.00
Sep.	1	3.68	2.00	4.60					9.10	0.00	0.00	0.00	0.00	0.00	0.00
	2	3.70	2.00	2.00					9.10	0.00	0.00	0.00	0.00	0.00	0.00
Oct.	1	3.88	2.00	2.10					9.30	0.00	0.00	0.00	0.00	0.00	0.00
	2	3.87	2.00	4.70					9.30	0.00	0.00	0.00	0.00	0.00	0.00
Nov.	1	3.95	2.00	2.40					9.30	0.00	0.00	0.00	0.00	0.00	0.00
	2	4.01	2.00	3.50					9.40	0.00	0.00	0.00	0.00	0.00	0.00
Dec.	1	3.71	2.00	10.30					9.10	0.00	0.00	0.00	0.00	0.00	0.00
	2	3.66	2.00	11.30					9.10	0.00	0.00	0.00	0.00	0.00	0.00

Note
ETo : Reference crop evapotranspiration (mm/day)
P : Percolation (mm/day)
Re : Effective rainfall (mm/day)
AWLR : Average water layer replacement (mm/day)
ACC : Average crop coefficients
LPA : Land preparation area
CA : Crop area
LPWR : Irrigation water requirements during land preparation (mm/day)
ETc : Consumptive use (mm/day)
NLPR : Net land preparation water requirements (mm/day)
NFR : Net field water requirements (mm/day)
Div. Req. : Unit diversion water requirements (l/sec/ha)

Table VII.3.3 (23/36) CALCULATION OF UNIT WATER DIVERSION REQUIREMENT (PRESENT CONDITION)

(B-11) 1991

Month	Period	ETo (mm/day)	P (mm/day)	Re (mm/day)	AWLR (mm/day)	ACC	LPA	CA	LPWR (mm/day)	ETc (mm/day)	NLPR (mm/day)	(ETc+P-Re)*CA (mm/day)	NFR (mm/day)	NFR*Days (mm)	Div. Req. (l/sec/ha)
Jan.	1	3.39	2.00	10.00					8.90	0.00	0.00	0.00	0.00	0.00	0.00
	2	3.34	2.00	7.80					8.90	0.00	0.00	0.00	0.00	0.00	0.00
Feb.	1	3.92	2.00	3.90					9.30	0.00	0.00	0.00	0.00	0.00	0.00
	2	4.10	2.00	5.20			1.00		9.40	0.00	4.20	0.00	4.20	54.60	0.88
Mar.	1	3.81	2.00	4.20		1.10	0.67	0.33	9.20	4.19	3.35	0.66	4.01	60.15	0.84
	2	4.08	2.00	11.20		1.10	0.33	0.67	9.40	4.49	0.00	0.00	0.00	0.00	0.00
Apr.	1	3.96	2.00	8.90	1.10	1.08		1.00	9.30	4.28	0.00	0.00	1.10	16.50	0.23
	2	4.07	2.00	2.40	1.10	1.07		1.00	9.40	4.35	0.00	3.95	5.05	75.75	1.06
May	1	3.81	2.00	2.90	2.20	1.02		1.00	9.20	3.89	0.00	2.99	5.19	77.85	1.09
	2	3.66	2.00	4.40	1.10	0.93		1.00	9.10	3.40	0.00	1.00	2.10	33.60	0.44
June	1	3.15	2.00	2.50	1.10	0.95		0.67	8.70	2.99	0.00	1.67	2.77	41.55	0.58
	2	3.09	2.00	1.70		0.95		0.33	8.70	2.94	0.00	1.07	1.07	16.05	0.23
July	1	3.27	2.00	1.50				0.00	8.80	0.00	0.00	0.00	0.00	0.00	0.00
	2	3.52	2.00	1.10					9.00	0.00	0.00	0.00	0.00	0.00	0.00
Aug.	1	3.74	2.00	4.00					9.20	0.00	0.00	0.00	0.00	0.00	0.00
	2	3.82	2.00	0.00					9.20	0.00	0.00	0.00	0.00	0.00	0.00
Sep.	1	3.68	2.00	1.60					9.10	0.00	0.00	0.00	0.00	0.00	0.00
	2	3.70	2.00	1.40					9.10	0.00	0.00	0.00	0.00	0.00	0.00
Oct.	1	3.88	2.00	0.40					9.30	0.00	0.00	0.00	0.00	0.00	0.00
	2	3.87	2.00	1.90					9.30	0.00	0.00	0.00	0.00	0.00	0.00
Nov.	1	3.95	2.00	14.20					9.30	0.00	0.00	0.00	0.00	0.00	0.00
	2	4.01	2.00	10.80					9.40	0.00	0.00	0.00	0.00	0.00	0.00
Dec.	1	3.71	2.00	7.40					9.10	0.00	0.00	0.00	0.00	0.00	0.00
	2	3.66	2.00	12.20					9.10	0.00	0.00	0.00	0.00	0.00	0.00

Note
ETo : Reference crop evapotranspiration (mm/day)
P : Percolation (mm/day)
Re : Effective rainfall (mm/day)
AWLR : Average water layer replacement (mm/day)
ACC : Average crop coefficients
LPA : Land preparation area
CA : Crop area
LPWR : Irrigation water requirements during land preparation (mm/day)
ETc : Consumptive use (mm/day)
NLPR : Net land preparation water requirements (mm/day)
NFR : Net field water requirements (mm/day)
Div. Req. : Unit diversion water requirements (l/sec/ha)

Table VII.3.3 (24/36) CALCULATION OF UNIT WATER DIVERSION REQUIREMENT (PRESENT CONDITION)

(B-12) 1992

Month	Period	ETo (mm/day)	P (mm/day)	Re (mm/day)	AWLR (mm/day)	ACC	LPA	CA	LPWR (mm/day)	ETc (mm/day)	NLPR (mm/day)	(ETc+P-Re)*CA (mm/day)	NFR (mm/day)	NFR*Days (mm)	Div. Req. (l/sec/ha)
Jan.	1	3.39	2.00	4.40					8.90	0.00	0.00	0.00	0.00	0.00	0.00
	2	3.34	2.00	7.90					8.90	0.00	0.00	0.00	0.00	0.00	0.00
Feb.	1	3.92	2.00	7.50					9.30	0.00	0.00	0.00	0.00	0.00	0.00
	2	4.10	2.00	2.30			1.00		9.40	0.00	7.10	0.00	7.10	99.40	1.49
Mar.	1	3.81	2.00	6.40		1.10	0.67	0.33	9.20	4.19	1.88	0.00	1.88	28.20	0.40
	2	4.08	2.00	2.70		1.10	0.33	0.67	9.40	4.49	2.21	2.54	4.75	76.00	1.00
Apr.	1	3.96	2.00	3.50	1.10	1.08		1.00	9.30	4.28	0.00	2.78	3.88	58.20	0.82
	2	4.07	2.00	4.40	1.10	1.07		1.00	9.40	4.35	0.00	1.95	3.05	45.75	0.64
May	1	3.81	2.00	3.30	2.20	1.02		1.00	9.20	3.89	0.00	2.59	4.79	71.85	1.01
	2	3.66	2.00	1.80	1.10	0.93		1.00	9.10	3.40	0.00	3.60	4.70	75.20	0.99
June	1	3.15	2.00	3.30	1.10	0.95		0.67	8.70	2.99	0.00	1.13	2.23	33.45	0.47
	2	3.09	2.00	2.30		0.95		0.33	8.70	2.94	0.00	0.87	0.87	13.05	0.18
July	1	3.27	2.00	3.60				0.00	8.80	0.00	0.00	0.00	0.00	0.00	0.00
	2	3.52	2.00	5.30					9.00	0.00	0.00	0.00	0.00	0.00	0.00
Aug.	1	3.74	2.00	0.50					9.20	0.00	0.00	0.00	0.00	0.00	0.00
	2	3.82	2.00	1.40					9.20	0.00	0.00	0.00	0.00	0.00	0.00
Sep.	1	3.68	2.00	2.30					9.10	0.00	0.00	0.00	0.00	0.00	0.00
	2	3.70	2.00	6.20					9.10	0.00	0.00	0.00	0.00	0.00	0.00
Oct.	1	3.88	2.00	5.10					9.30	0.00	0.00	0.00	0.00	0.00	0.00
	2	3.87	2.00	4.00					9.30	0.00	0.00	0.00	0.00	0.00	0.00
Nov.	1	3.95	2.00	11.80					9.30	0.00	0.00	0.00	0.00	0.00	0.00
	2	4.01	2.00	9.00					9.40	0.00	0.00	0.00	0.00	0.00	0.00
Dec.	1	3.71	2.00	4.10					9.10	0.00	0.00	0.00	0.00	0.00	0.00
	2	3.66	2.00	5.60					9.10	0.00	0.00	0.00	0.00	0.00	0.00

Note.
- ETo : Reference crop evapotranspiration (mm/day)
- P : Percolation (mm/day)
- Re : Effective rainfall (mm/day)
- AWLR : Average water layer replacement (mm/day)
- ACC : Average crop coefficients
- LPA : Land preparation area
- CA : Crop area
- LPWR : Irrigation water requirements during land preparation (mm/day)
- ETc : Consumptive use (mm/day)
- NLPR : Net land preparation water requirements (mm/day)
- NFR : Net field water requirements (mm/day)
- Div. Req. : Unit diversion water requirements (l/sec/ha)

Table VII.3.3 (25/36) CALCULATION OF UNIT WATER DIVERSION REQUIREMENT (PRESENT CONDITION)

C. West Sumatra Region in Study Area

(C-1) 1981

Month	Period	ETo (mm/day)	P (mm/day)	Re (mm/day)	AWLR (mm/day)	ACC	LPA	CA	LPWR (mm/day)	ETc (mm/day)	NLPR (mm/day)	(ETc+P-Re)*CA (mm/day)	NFR (mm/day)	NFR*Days (mm)	Div. Req. (l/sec/ha)
Jan.	1	3.39	2.00	2.00		0.95		0.33	8.90	3.22	0.00	1.06	1.06	15.90	0.22
	2	3.34	2.00	3.40				0.00	8.90	0.00	0.00	0.00	0.00	0.00	0.00
Feb.	1	3.92	2.00	4.50					9.30	0.00	0.00	0.00	0.00	0.00	0.00
	2	4.10	2.00	3.20			1.00		9.40	0.00	6.20	0.00	6.20	80.60	1.30
Mar.	1	3.81	2.00	5.30		1.10	0.67	0.33	9.20	4.19	2.61	0.29	2.90	43.50	0.61
	2	4.08	2.00	3.80		1.10	0.33	0.67	9.40	4.49	1.85	1.80	3.65	58.40	0.77
Apr.	1	3.96	2.00	8.00	1.10	1.08		1.00	9.30	4.28	0.00	0.00	1.10	16.50	0.23
	2	4.07	2.00	6.40	1.10	1.07		1.00	9.40	4.35	0.00	0.00	1.10	16.50	0.23
May	1	3.81	2.00	7.70	2.20	1.02		1.00	9.20	3.89	0.00	0.00	2.20	33.00	0.46
	2	3.66	2.00	6.20	1.10	0.93		1.00	9.10	3.40	0.00	0.00	1.10	17.60	0.23
June	1	3.15	2.00	1.90	1.10	0.95		0.67	8.70	2.99	0.00	2.07	3.17	47.55	0.67
	2	3.09	2.00	1.00		0.95		0.33	8.70	2.94	0.00	1.30	1.30	19.50	0.27
July	1	3.27	2.00	3.40				0.00	8.80	0.00	0.00	0.00	0.00	0.00	0.00
	2	3.52	2.00	2.70					9.00	0.00	0.00	0.00	0.00	0.00	0.00
Aug.	1	3.74	2.00	0.00					9.20	0.00	0.00	0.00	0.00	0.00	0.00
	2	3.82	2.00	1.10					9.20	0.00	0.00	0.00	0.00	0.00	0.00
Sep.	1	3.68	2.00	6.20			1.00		9.10	0.00	2.90	0.00	2.90	43.50	0.61
	2	3.70	2.00	2.20		1.10	0.67	0.33	9.10	4.07	4.62	1.28	5.90	88.50	1.24
Oct.	1	3.88	2.00	7.40		1.10	0.33	0.67	9.30	4.27	0.63	0.00	0.63	9.45	0.13
	2	3.87	2.00	7.40	1.10	1.08		1.00	9.30	4.18	0.00	0.00	1.10	17.60	0.23
Nov.	1	3.95	2.00	2.50	1.10	1.07		1.00	9.30	4.23	0.00	3.73	4.83	72.45	1.02
	2	4.01	2.00	3.10	2.20	1.02		1.00	9.40	4.09	0.00	2.99	5.19	77.85	1.09
Dec.	1	3.71	2.00	4.80	1.10	0.93		1.00	9.10	3.45	0.00	0.65	1.75	26.25	0.37
	2	3.66	2.00	4.00	1.10	0.95		0.67	9.10	3.48	0.00	0.99	2.09	33.44	0.44

Note
- ETo : Reference crop evapotranspiration (mm/day)
- P : Percolation (mm/day)
- Re : Effective rainfall (mm/day)
- AWLR : Average water layer replacement (mm/day)
- ACC : Average crop coefficients
- LPA : Land preparation area
- CA : Crop area
- LPWR : Irrigation water requirements during land preparation (mm/day)
- ETc : Consumptive use (mm/day)
- NLPR : Net land preparation water requirements (mm/day)
- NFR : Net field water requirements (mm/day)
- Div. Req. : Unit diversion water requirements (l/sec/ha)

Table VII.3.3 (26/36) CALCULATION OF UNIT WATER DIVERSION REQUIREMENT (PRESENT CONDITION)

(C-2) 1982

Month	Period	ETo (mm/day)	P (mm/day)	Re (mm/day)	AWLR (mm/day)	ACC	LPA	CA	LPWR (mm/day)	ETc (mm/day)	NLPR (mm/day)	(ETc+P-Re)*CA (mm/day)	NFR (mm/day)	NFR*Days (mm)	Div. Req. (l/sec/ha)
Jan.	1	3.39	2.00	5.00		0.95		0.33	8.90	3.22	0.00	0.07	0.07	1.05	0.01
	2	3.34	2.00	2.90				0.00	8.90	0.00	0.00	0.00	0.00	0.00	0.00
Feb.	1	3.92	2.00	5.50					9.30	0.00	0.00	0.00	0.00	0.00	0.00
	2	4.10	2.00	3.10			1.00		9.40	0.00	6.30	0.00	6.30	81.90	1.33
Mar.	1	3.81	2.00	5.00		1.10	0.67	0.33	9.20	4.19	2.81	0.39	3.20	48.00	0.67
	2	4.08	2.00	4.50		1.10	0.33	0.67	9.40	4.49	1.62	1.33	2.95	47.20	0.62
Apr.	1	3.96	2.00	9.00	1.10	1.08		1.00	9.30	4.28	0.00	0.00	1.10	16.50	0.23
	2	4.07	2.00	7.40	1.10	1.07		1.00	9.40	4.35	0.00	0.00	1.10	16.50	0.23
May	1	3.81	2.00	5.60	2.20	1.02		1.00	9.20	3.89	0.00	0.29	2.49	37.35	0.52
	2	3.66	2.00	6.10	1.10	0.93		1.00	9.10	3.40	0.00	0.00	1.10	17.60	0.23
June	1	3.15	2.00	5.10	1.10	0.95		0.67	8.70	2.99	0.00	0.00	1.10	16.50	0.23
	2	3.09	2.00	1.70		0.95		0.33	8.70	2.94	0.00	1.07	1.07	16.05	0.23
July	1	3.27	2.00	1.70				0.00	8.80	0.00	0.00	0.00	0.00	0.00	0.00
	2	3.52	2.00	1.30					9.00	0.00	0.00	0.00	0.00	0.00	0.00
Aug.	1	3.74	2.00	2.10					9.20	0.00	0.00	0.00	0.00	0.00	0.00
	2	3.82	2.00	2.10					9.20	0.00	0.00	0.00	0.00	0.00	0.00
Sep.	1	3.68	2.00	2.10			1.00		9.10	0.00	7.00	0.00	7.00	105.00	1.47
	2	3.70	2.00	2.50		1.10	0.67	0.33	9.10	4.07	4.42	1.18	5.60	84.00	1.18
Oct.	1	3.88	2.00	5.20		1.10	0.33	0.67	9.30	4.27	1.35	0.72	2.07	31.05	0.44
	2	3.87	2.00	2.90	1.10	1.08		1.00	9.30	4.18	0.00	3.28	4.38	70.08	0.92
Nov.	1	3.95	2.00	5.60	1.10	1.07		1.00	9.30	4.23	0.00	0.63	1.73	25.95	0.36
	2	4.01	2.00	5.30	2.20	1.02		1.00	9.40	4.09	0.00	0.79	2.99	44.85	0.63
Dec.	1	3.71	2.00	6.00	1.10	0.93		1.00	9.10	3.45	0.00	0.00	1.10	16.50	0.23
	2	3.66	2.00	6.60	1.10	0.95		0.67	9.10	3.48	0.00	0.00	1.10	17.60	0.23

Note
ETo : Reference crop evapotranspiration (mm/day)
P : Percolation (mm/day)
Re : Effective rainfall (mm/day)
AWLR : Average water layer replacement (mm/day)
ACC : Average crop coefficients
LPA : Land preparation area
CA : Crop area
LPWR : Irrigation water requirements during land preparation (mm/day)
ETc : Consumptive use (mm/day)
NLPR : Net land preparation water requirements (mm/day)
NFR : Net field water requirements (mm/day)
Div. Req. : Unit diversion water requirements (l/sec/ha)

Table VII.3.3 (27/36) CALCULATION OF UNIT WATER DIVERSION REQUIREMENT (PRESENT CONDITION)

(C-3) 1983

Month	Period	ETo (mm/day)	P (mm/day)	Re (mm/day)	AWLR (mm/day)	ACC	LPA	CA	LPWR (mm/day)	ETc (mm/day)	NLPR (mm/day)	(ETc+P-Re)*CA (mm/day)	NFR (mm/day)	NFR*Days (mm)	Div. Req. (l/sec/ha)
Jan.	1	3.39	2.00	6.30		0.95		0.33	8.90	3.22	0.00	0.00	0.00	0.00	0.00
	2	3.34	2.00	4.10				0.00	8.90	0.00	0.00	0.00	0.00	0.00	0.00
Feb.	1	3.92	2.00	3.70					9.30	0.00	0.00	0.00	0.00	0.00	0.00
	2	4.10	2.00	5.30			1.00		9.40	0.00	4.10	0.00	4.10	53.30	0.86
Mar.	1	3.81	2.00	4.20		1.10	0.67	0.33	9.20	4.19	3.35	0.66	4.01	60.15	0.84
	2	4.08	2.00	3.60		1.10	0.33	0.67	9.40	4.49	1.91	1.94	3.85	61.60	0.81
Apr.	1	3.96	2.00	3.40	1.10	1.08		1.00	9.30	4.28	0.00	2.88	3.98	59.70	0.84
	2	4.07	2.00	6.40	1.10	1.07		1.00	9.40	4.35	0.00	0.00	1.10	16.50	0.23
May	1	3.81	2.00	7.00	2.20	1.02		1.00	9.20	3.89	0.00	0.00	2.20	33.00	0.46
	2	3.66	2.00	1.90	1.10	0.93		1.00	9.10	3.40	0.00	3.50	4.60	73.60	0.97
June	1	3.15	2.00	3.30	1.10	0.95		0.67	8.70	2.99	0.00	1.13	2.23	33.45	0.47
	2	3.09	2.00	1.30		0.95		0.33	8.70	2.94	0.00	1.20	1.20	18.00	0.25
July	1	3.27	2.00	3.30				0.00	8.80	0.00	0.00	0.00	0.00	0.00	0.00
	2	3.52	2.00	3.00					9.00	0.00	0.00	0.00	0.00	0.00	0.00
Aug.	1	3.74	2.00	2.60					9.20	0.00	0.00	0.00	0.00	0.00	0.00
	2	3.82	2.00	2.70					9.20	0.00	0.00	0.00	0.00	0.00	0.00
Sep.	1	3.68	2.00	5.10			1.00		9.10	0.00	4.00	0.00	4.00	60.00	0.84
	2	3.70	2.00	2.50		1.10	0.67	0.33	9.10	4.07	4.42	1.18	5.60	84.00	1.18
Oct.	1	3.88	2.00	5.80		1.10	0.33	0.67	9.30	4.27	1.16	0.31	1.47	22.05	0.31
	2	3.87	2.00	3.70	1.10	1.08		1.00	9.30	4.18	0.00	2.48	3.58	57.28	0.75
Nov.	1	3.95	2.00	2.70	1.10	1.07		1.00	9.30	4.23	0.00	3.53	4.63	69.45	0.97
	2	4.01	2.00	1.90	2.20	1.02		1.00	9.40	4.09	0.00	4.19	6.39	95.85	1.34
Dec.	1	3.71	2.00	3.80	1.10	0.93		1.00	9.10	3.45	0.00	1.65	2.75	41.25	0.58
	2	3.66	2.00	4.10	1.10	0.95		0.67	9.10	3.48	0.00	0.92	2.02	32.32	0.43

Note
- ETo : Reference crop evapotranspiration (mm/day)
- P : Percolation (mm/day)
- Re : Effective rainfall (mm/day)
- AWLR : Average water layer replacement (mm/day)
- ACC : Average crop coefficients
- LPA : Land preparation area
- CA : Crop area
- LPWR : Irrigation water requirements during land preparation (mm/day)
- ETc : Consumptive use (mm/day)
- NLPR : Net land preparation water requirements (mm/day)
- NFR : Net field water requirements (mm/day)
- Div. Req. : Unit diversion water requirements (l/sec/ha)

Table VII.3.3 (28/36) CALCULATION OF UNIT WATER DIVERSION REQUIREMENT (PRESENT CONDITION)

(C-4) 1984

Month	Period	ETo (mm/day)	P (mm/day)	Re (mm/day)	AWLR (mm/day)	ACC	LPA	CA	LPWR (mm/day)	ETc (mm/day)	NLPR (mm/day)	(ETc+P-Re)*CA (mm/day)	NFR (mm/day)	NFR*Days (mm)	Div. Req. (l/sec/ha)
Jan.	1	3.39	2.00	7.20		0.95		0.33	8.90	3.22	0.00	0.00	0.00	0.00	0.00
	2	3.34	2.00	4.90				0.00	8.90	0.00	0.00	0.00	0.00	0.00	0.00
Feb.	1	3.92	2.00	5.00					9.30	0.00	0.00	0.00	0.00	0.00	0.00
	2	4.10	2.00	3.20			1.00		9.40	0.00	6.20	0.00	6.20	86.80	1.30
Mar.	1	3.81	2.00	4.80		1.10	0.67	0.33	9.20	4.19	2.95	0.46	3.41	51.15	0.72
	2	4.08	2.00	6.40		1.10	0.33	0.67	9.40	4.49	0.99	0.06	1.05	16.80	0.22
Apr.	1	3.96	2.00	8.60	1.10	1.08		1.00	9.30	4.28	0.00	0.00	1.10	16.50	0.23
	2	4.07	2.00	3.40	1.10	1.07		1.00	9.40	4.35	0.00	2.95	4.05	60.75	0.85
May	1	3.81	2.00	5.40	2.20	1.02		1.00	9.20	3.89	0.00	0.49	2.69	40.35	0.57
	2	3.66	2.00	5.70	1.10	0.93		1.00	9.10	3.40	0.00	0.00	1.10	17.60	0.23
June	1	3.15	2.00	6.20	1.10	0.95		0.67	8.70	2.99	0.00	0.00	1.10	16.50	0.23
	2	3.09	2.00	1.00		0.95		0.33	8.70	2.94	0.00	1.30	1.30	19.50	0.27
July	1	3.27	2.00	3.00				0.00	8.80	0.00	0.00	0.00	0.00	0.00	0.00
	2	3.52	2.00	4.60					9.00	0.00	0.00	0.00	0.00	0.00	0.00
Aug.	1	3.74	2.00	0.50					9.20	0.00	0.00	0.00	0.00	0.00	0.00
	2	3.82	2.00	1.90					9.20	0.00	0.00	0.00	0.00	0.00	0.00
Sep.	1	3.68	2.00	2.20			1.00		9.10	0.00	6.90	0.00	6.90	103.50	1.45
	2	3.70	2.00	4.60		1.10	0.67	0.33	9.10	4.07	3.02	0.49	3.51	52.65	0.74
Oct.	1	3.88	2.00	0.90		1.10	0.33	0.67	9.30	4.27	2.77	3.60	6.37	95.55	1.34
	2	3.87	2.00	3.60	1.10	1.08		1.00	9.30	4.18	0.00	2.58	3.68	58.88	0.77
Nov.	1	3.95	2.00	8.10	1.10	1.07		1.00	9.30	4.23	0.00	0.00	1.10	16.50	0.23
	2	4.01	2.00	8.80	2.20	1.02		1.00	9.40	4.09	0.00	0.00	2.20	33.00	0.46
Dec.	1	3.71	2.00	2.90	1.10	0.93		1.00	9.10	3.45	0.00	2.55	3.65	54.75	0.77
	2	3.66	2.00	6.00	1.10	0.95		0.67	9.10	3.48	0.00	0.00	1.10	17.60	0.23

Note
ETo : Reference crop evapotranspiration (mm/day)
P : Percolation (mm/day)
Re : Effective rainfall (mm/day)
AWLR : Average water layer replacement (mm/day)
ACC : Average crop coefficients
LPA : Land preparation area
CA : Crop area
LPWR : Irrigation water requirements during land preparation (mm/day)
ETc : Consumptive use (mm/day)
NLPR : Net land preparation water requirements (mm/day)
NFR : Net field water requirements (mm/day)
Div. Req. : Unit diversion water requirements (l/sec/ha)

Table VII.3.3 (29/36) CALCULATION OF UNIT WATER DIVERSION REQUIREMENT (PRESENT CONDITION)

(C-5) 1985

Month	Period	ETo (mm/day)	P (mm/day)	Re (mm/day)	AWLR (mm/day)	ACC	LPA	CA	LPWR (mm/day)	ETc (mm/day)	NLPR (mm/day)	(ETc+P-Re)*CA (mm/day)	NFR (mm/day)	NFR*Days (mm)	Div. Req. (l/sec/ha)
Jan.	1	3.39	2.00	4.90		0.95		0.33	8.90	3.22	0.00	0.11	0.11	1.65	0.02
	2	3.34	2.00	4.30				0.00	8.90	0.00	0.00	0.00	0.00	0.00	0.00
Feb.	1	3.92	2.00	6.20					9.30	0.00	0.00	0.00	0.00	0.00	0.00
	2	4.10	2.00	0.50			1.00		9.40	0.00	8.90	0.00	8.90	115.70	1.87
Mar.	1	3.81	2.00	6.00		1.10	0.67	0.33	9.20	4.19	2.14	0.06	2.20	33.00	0.46
	2	4.08	2.00	4.90		1.10	0.33	0.67	9.40	4.49	1.49	1.07	2.56	40.96	0.54
Apr.	1	3.96	2.00	4.80	1.10	1.08		1.00	9.30	4.28	0.00	1.48	2.58	38.70	0.54
	2	4.07	2.00	1.90	1.10	1.07		1.00	9.40	4.35	0.00	4.45	5.55	83.25	1.17
May	1	3.81	2.00	5.40	2.20	1.02		1.00	9.20	3.89	0.00	0.49	2.69	40.35	0.57
	2	3.66	2.00	4.60	1.10	0.93		1.00	9.10	3.40	0.00	0.80	1.90	30.40	0.40
June	1	3.15	2.00	1.00	1.10	0.95		0.67	8.70	2.99	0.00	2.67	3.77	56.55	0.79
	2	3.09	2.00	0.70		0.95		0.33	8.70	2.94	0.00	1.40	1.40	21.00	0.29
July	1	3.27	2.00	1.10				0.00	8.80	0.00	0.00	0.00	0.00	0.00	0.00
	2	3.52	2.00	2.80					9.00	0.00	0.00	0.00	0.00	0.00	0.00
Aug.	1	3.74	2.00	2.20					9.20	0.00	0.00	0.00	0.00	0.00	0.00
	2	3.82	2.00	2.70					9.20	0.00	0.00	0.00	0.00	0.00	0.00
Sep.	1	3.68	2.00	6.70			1.00		9.10	0.00	2.40	0.00	2.40	36.00	0.51
	2	3.70	2.00	5.40		1.10	0.67	0.33	9.10	4.07	2.48	0.22	2.70	40.50	0.57
Oct.	1	3.88	2.00	3.90		1.10	0.33	0.67	9.30	4.27	1.78	1.59	3.37	50.55	0.71
	2	3.87	2.00	4.60	1.10	1.08		1.00	9.30	4.18	0.00	1.58	2.68	42.88	0.56
Nov.	1	3.95	2.00	8.60	1.10	1.07		1.00	9.30	4.23	0.00	0.00	1.10	16.50	0.23
	2	4.01	2.00	1.40	2.20	1.02		1.00	9.40	4.09	0.00	4.69	6.89	103.35	1.45
Dec.	1	3.71	2.00	3.40	1.10	0.93		1.00	9.10	3.45	0.00	2.05	3.15	47.25	0.66
	2	3.66	2.00	4.10	1.10	0.95		0.67	9.10	3.48	0.00	0.92	2.02	32.32	0.43

Note:
ETo : Reference crop evapotranspiration (mm/day)
P : Percolation (mm/day)
Re : Effective rainfall (mm/day)
AWLR : Average water layer replacement (mm/day)
ACC : Average crop coefficients
LPA : Land preparation area
CA : Crop area
LPWR : Irrigation water requirements during land preparation (mm/day)
ETc : Consumptive use (mm/day)
NLPR : Net land preparation water requirements (mm/day)
NFR : Net field water requirements (mm/day)
Div. Req. : Unit diversion water requirements (l/sec/ha)

Table VII.3.3 (30/36) CALCULATION OF UNIT WATER DIVERSION REQUIREMENT (PRESENT CONDITION)

(C-6) 1986

Month	Period	ETo (mm/day)	P (mm/day)	Re (mm/day)	AWLR (mm/day)	ACC	LPA	CA	LPWR (mm/day)	ETc (mm/day)	NLPR (mm/day)	(ETc+P-Re)*CA (mm/day)	NFR (mm/day)	NFR*Days (mm)	Div. Req. (l/sec/ha)
Jan.	1	3.39	2.00	11.90		0.95		0.33	8.90	3.22	0.00	0.00	0.00	0.00	0.00
	2	3.34	2.00	2.00				0.00	8.90	0.00	0.00	0.00	0.00	0.00	0.00
Feb.	1	3.92	2.00	2.90					9.30	0.00	0.00	0.00	0.00	0.00	0.00
	2	4.10	2.00	1.10			1.00		9.40	0.00	8.30	0.00	8.30	107.90	1.75
Mar.	1	3.81	2.00	12.90		1.10	0.67	0.33	9.20	4.19	0.00	0.00	0.00	0.00	0.00
	2	4.08	2.00	6.00		1.10	0.33	0.67	9.40	4.49	1.12	0.33	1.45	23.20	0.31
Apr.	1	3.96	2.00	4.50	1.10	1.08		1.00	9.30	4.28	0.00	1.78	2.88	43.20	0.61
	2	4.07	2.00	5.10	1.10	1.07		1.00	9.40	4.35	0.00	1.25	2.35	35.25	0.49
May	1	3.81	2.00	3.60	2.20	1.02		1.00	9.20	3.89	0.00	2.29	4.49	67.35	0.94
	2	3.66	2.00	2.70	1.10	0.93		1.00	9.10	3.40	0.00	2.70	3.80	60.80	0.80
June	1	3.15	2.00	2.70	1.10	0.95		0.67	8.70	2.99	0.00	1.53	2.63	39.45	0.55
	2	3.09	2.00	0.80		0.95		0.33	8.70	2.94	0.00	1.37	1.37	20.55	0.29
July	1	3.27	2.00	2.10				0.00	8.80	0.00	0.00	0.00	0.00	0.00	0.00
	2	3.52	2.00	2.90					9.00	0.00	0.00	0.00	0.00	0.00	0.00
Aug.	1	3.74	2.00	0.50					9.20	0.00	0.00	0.00	0.00	0.00	0.00
	2	3.82	2.00	2.60					9.20	0.00	0.00	0.00	0.00	0.00	0.00
Sep.	1	3.68	2.00	2.50			1.00		9.10	0.00	6.60	0.00	6.60	99.00	1.39
	2	3.70	2.00	4.50		1.10	0.67	0.33	9.10	4.07	3.08	0.52	3.60	54.00	0.76
Oct.	1	3.88	2.00	5.40		1.10	0.33	0.67	9.30	4.27	1.29	0.58	1.87	28.05	0.39
	2	3.87	2.00	5.30	1.10	1.08		1.00	9.30	4.18	0.00	0.88	1.98	31.68	0.42
Nov.	1	3.95	2.00	1.70	1.10	1.07		1.00	9.30	4.23	0.00	4.53	5.63	84.45	1.18
	2	4.01	2.00	4.60	2.20	1.02		1.00	9.40	4.09	0.00	1.49	3.69	55.35	0.78
Dec.	1	3.71	2.00	8.40	1.10	0.93		1.00	9.10	3.45	0.00	0.00	1.10	16.50	0.23
	2	3.66	2.00	4.10	1.10	0.95		0.67	9.10	3.48	0.00	0.92	2.02	32.32	0.43

Note
ETo : Reference crop evapotranspiration (mm/day)
P : Percolation (mm/day)
Re : Effective rainfall (mm/day)
AWLR : Average water layer replacement (mm/day)
ACC : Average crop coefficients
LPA : Land preparation area
CA : Crop area
LPWR : Irrigation water requirements during land preparation (mm/day)
ETc : Consumptive use (mm/day)
NLPR : Net land preparation water requirements (mm/day)
NFR : Net field water requirements (mm/day)
Div. Req. : Unit diversion water requirements (l/sec/ha)

Table VII.3.3 (31/36) CALCULATION OF UNIT WATER DIVERSION REQUIREMENT (PRESENT CONDITION)

(C-7) 1987

Month	Period	ETo (mm/day)	P (mm/day)	Re (mm/day)	AWLR (mm/day)	ACC	LPA	CA	LPWR (mm/day)	ETc (mm/day)	NLPR (mm/day)	(ETc+P-Re)*CA (mm/day)	NFR (mm/day)	NFR*Days (mm)	Div. Req. (l/sec/ha)
Jan.	1	3.39	2.00	4.60		0.95		0.33	8.90	3.22	0.00	0.20	0.20	3.00	0.04
	2	3.34	2.00	3.40				0.00	8.90	0.00	0.00	0.00	0.00	0.00	0.00
Feb.	1	3.92	2.00	2.30					9.30	0.00	0.00	0.00	0.00	0.00	0.00
	2	4.10	2.00	2.60			1.00		9.40	0.00	6.80	0.00	6.80	88.40	1.43
Mar.	1	3.81	2.00	6.40		1.10	0.67	0.33	9.20	4.19	1.88	0.00	1.88	28.20	0.40
	2	4.08	2.00	7.20		1.10	0.33	0.67	9.40	4.49	0.73	0.00	0.73	11.68	0.15
Apr.	1	3.96	2.00	5.00	1.10	1.08		1.00	9.30	4.28	0.00	1.28	2.38	35.70	0.50
	2	4.07	2.00	8.40	1.10	1.07		1.00	9.40	4.35	0.00	0.00	1.10	16.50	0.23
May	1	3.81	2.00	12.10	2.20	1.02		1.00	9.20	3.89	0.00	0.00	2.20	33.00	0.46
	2	3.66	2.00	2.40	1.10	0.93		1.00	9.10	3.40	0.00	3.00	4.10	65.60	0.86
June	1	3.15	2.00	1.90	1.10	0.95		0.67	8.70	2.99	0.00	2.07	3.17	47.55	0.67
	2	3.09	2.00	1.70		0.95		0.33	8.70	2.94	0.00	1.07	1.07	16.05	0.23
July	1	3.27	2.00	2.10				0.00	8.80	0.00	0.00	0.00	0.00	0.00	0.00
	2	3.52	2.00	2.00					9.00	0.00	0.00	0.00	0.00	0.00	0.00
Aug.	1	3.74	2.00	3.40					9.20	0.00	0.00	0.00	0.00	0.00	0.00
	2	3.82	2.00	2.60					9.20	0.00	0.00	0.00	0.00	0.00	0.00
Sep.	1	3.68	2.00	2.10			1.00		9.10	0.00	7.00	0.00	7.00	105.00	1.47
	2	3.70	2.00	3.10		1.10	0.67	0.33	9.10	4.07	4.02	0.98	5.00	75.00	1.05
Oct.	1	3.88	2.00	6.50		1.10	0.33	0.67	9.30	4.27	0.92	0.00	0.92	13.80	0.19
	2	3.87	2.00	5.90	1.10	1.08		1.00	9.30	4.18	0.00	0.28	1.38	22.08	0.29
Nov.	1	3.95	2.00	6.40	1.10	1.07		1.00	9.30	4.23	0.00	0.00	1.10	16.50	0.23
	2	4.01	2.00	2.10	2.20	1.02		1.00	9.40	4.09	0.00	3.99	6.19	92.85	1.30
Dec.	1	3.71	2.00	4.80	1.10	0.93		1.00	9.10	3.45	0.00	0.65	1.75	26.25	0.37
	2	3.66	2.00	4.90	1.10	0.95		0.67	9.10	3.48	0.00	0.39	1.49	23.84	0.31

Note
- ETo : Reference crop evapotranspiration (mm/day)
- P : Percolation (mm/day)
- Re : Effective rainfall (mm/day)
- AWLR : Average water layer replacement (mm/day)
- ACC : Average crop coefficients
- LPA : Land preparation area
- CA : Crop area
- LPWR : Irrigation water requirements during land preparation (mm/day)
- ETc : Consumptive use (mm/day)
- NLPR : Net land preparation water requirements (mm/day)
- NFR : Net field water requirements (mm/day)
- Div. Req. : Unit diversion water requirements (l/sec/ha)

Table VII.3.3 (32/36) CALCULATION OF UNIT WATER DIVERSION REQUIREMENT (PRESENT CONDITION)

(C-8) 1988

Month	Period	ETo (mm/day)	P (mm/day)	Re (mm/day)	AWLR (mm/day)	ACC	LPA	CA	LPWR (mm/day)	ETc (mm/day)	NLPR (mm/day)	(ETc+P-Re)*CA (mm/day)	NFR (mm/day)	NFR*Days (mm)	Div. Req. (l/sec/ha)
Jan.	1	3.39	2.00	4.20		0.95		0.33	8.90	3.22	0.00	0.34	0.34	5.10	0.07
	2	3.34	2.00	9.80				0.00	8.90	0.00	0.00	0.00	0.00	0.00	0.00
Feb.	1	3.92	2.00	2.70					9.30	0.00	0.00	0.00	0.00	0.00	0.00
	2	4.10	2.00	6.90			1.00		9.40	0.00	2.50	0.00	2.50	35.00	0.53
Mar.	1	3.81	2.00	10.00		1.10	0.67	0.33	9.20	4.19	0.00	0.00	0.00	0.00	0.00
	2	4.08	2.00	4.40		1.10	0.33	0.67	9.40	4.49	1.65	1.40	3.05	48.80	0.64
Apr.	1	3.96	2.00	5.50	1.10	1.08		1.00	9.30	4.28	0.00	0.78	1.88	28.20	0.40
	2	4.07	2.00	5.50	1.10	1.07		1.00	9.40	4.35	0.00	0.85	1.95	29.25	0.41
May	1	3.81	2.00	9.10	2.20	1.02		1.00	9.20	3.89	0.00	0.00	2.20	33.00	0.46
	2	3.66	2.00	1.20	1.10	0.93		1.00	9.10	3.40	0.00	4.20	5.30	84.80	1.12
June	1	3.15	2.00	4.20	1.10	0.95		0.67	8.70	2.99	0.00	0.53	1.63	24.45	0.34
	2	3.09	2.00	1.70		0.95		0.33	8.70	2.94	0.00	1.07	1.07	16.05	0.23
July	1	3.27	2.00	3.00				0.00	8.80	0.00	0.00	0.00	0.00	0.00	0.00
	2	3.52	2.00	1.10					9.00	0.00	0.00	0.00	0.00	0.00	0.00
Aug.	1	3.74	2.00	3.50					9.20	0.00	0.00	0.00	0.00	0.00	0.00
	2	3.82	2.00	8.00					9.20	0.00	0.00	0.00	0.00	0.00	0.00
Sep.	1	3.68	2.00	7.00			1.00		9.10	0.00	2.10	0.00	2.10	31.50	0.44
	2	3.70	2.00	5.00		1.10	0.67	0.33	9.10	4.07	2.75	0.35	3.10	46.50	0.65
Oct.	1	3.88	2.00	1.50		1.10	0.33	0.67	9.30	4.27	2.57	3.20	5.77	86.55	1.21
	2	3.87	2.00	2.30	1.10	1.08		1.00	9.30	4.18	0.00	3.88	4.98	79.68	1.05
Nov.	1	3.95	2.00	2.50	1.10	1.07		1.00	9.30	4.23	0.00	3.73	4.83	72.45	1.02
	2	4.01	2.00	6.40	2.20	1.02		1.00	9.40	4.09	0.00	0.00	2.20	33.00	0.46
Dec.	1	3.71	2.00	4.50	1.10	0.93		1.00	9.10	3.45	0.00	0.95	2.05	30.75	0.43
	2	3.66	2.00	3.20	1.10	0.95		0.67	9.10	3.48	0.00	1.53	2.63	42.08	0.55

Note
ETo : Reference crop evapotranspiration (mm/day)
P : Percolation (mm/day)
Re : Effective rainfall (mm/day)
AWLR : Average water layer replacement (mm/day)
ACC : Average crop coefficients
LPA : Land preparation area
CA : Crop area
LPWR : Irrigation water requirements during land preparation (mm/day)
ETc : Consumptive use (mm/day)
NLPR : Net land preparation water requirements (mm/day)
NFR : Net field water requirements (mm/day)
Div. Req. : Unit diversion water requirements (l/sec/ha)

Table VII.3.3 (33/36) CALCULATION OF UNIT WATER DIVERSION REQUIREMENT (PRESENT CONDITION)

(C-9) 1989

Month	Period	ETo (mm/day)	P (mm/day)	Re (mm/day)	AWLR (mm/day)	ACC	LPA	CA	LPWR (mm/day)	ETc (mm/day)	NLPR (mm/day)	(ETc+P-Re)*CA (mm/day)	NFR (mm/day)	NFR*Days (mm)	Div. Req. (l/sec/ha)
Jan.	1	3.39	2.00	7.20		0.95		0.33	8.90	3.22	0.00	0.00	0.00	0.00	0.00
	2	3.34	2.00	8.30				0.00	8.90	0.00	0.00	0.00	0.00	0.00	0.00
Feb.	1	3.92	2.00	3.50					9.30	0.00	0.00	0.00	0.00	0.00	0.00
	2	4.10	2.00	8.40			1.00		9.40	0.00	1.00	0.00	1.00	13.00	0.21
Mar.	1	3.81	2.00	2.40		1.10	0.67	0.33	9.20	4.19	4.56	1.25	5.81	87.15	1.22
	2	4.08	2.00	5.40		1.10	0.33	0.67	9.40	4.49	1.32	0.73	2.05	32.80	0.43
Apr.	1	3.96	2.00	4.60	1.10	1.08		1.00	9.30	4.28	0.00	1.68	2.78	41.70	0.59
	2	4.07	2.00	1.00	1.10	1.07		1.00	9.40	4.35	0.00	5.35	6.45	96.75	1.36
May	1	3.81	2.00	6.00	2.20	1.02		1.00	9.20	3.89	0.00	0.00	2.20	33.00	0.46
	2	3.66	2.00	1.80	1.10	0.93		1.00	9.10	3.40	0.00	3.60	4.70	75.20	0.99
June	1	3.15	2.00	0.70	1.10	0.95		0.67	8.70	2.99	0.00	2.87	3.97	59.55	0.84
	2	3.09	2.00	3.50		0.95		0.33	8.70	2.94	0.00	0.48	0.48	7.20	0.10
July	1	3.27	2.00	1.80				0.00	8.80	0.00	0.00	0.00	0.00	0.00	0.00
	2	3.52	2.00	0.60					9.00	0.00	0.00	0.00	0.00	0.00	0.00
Aug.	1	3.74	2.00	1.80					9.20	0.00	0.00	0.00	0.00	0.00	0.00
	2	3.82	2.00	4.20					9.20	0.00	0.00	0.00	0.00	0.00	0.00
Sep.	1	3.68	2.00	3.50			1.00		9.10	0.00	5.60	0.00	5.60	84.00	1.18
	2	3.70	2.00	6.60		1.10	0.67	0.33	9.10	4.07	1.68	0.00	1.68	25.20	0.35
Oct.	1	3.88	2.00	4.70		1.10	0.33	0.67	9.30	4.27	1.52	1.05	2.57	38.55	0.54
	2	3.87	2.00	5.50	1.10	1.08		1.00	9.30	4.18	0.00	0.68	1.78	28.48	0.37
Nov.	1	3.95	2.00	9.40	1.10	1.07		1.00	9.30	4.23	0.00	0.00	1.10	16.50	0.23
	2	4.01	2.00	6.80	2.20	1.02		1.00	9.40	4.09	0.00	0.00	2.20	33.00	0.46
Dec.	1	3.71	2.00	7.40	1.10	0.93		1.00	9.10	3.45	0.00	0.00	1.10	16.50	0.23
	2	3.66	2.00	4.90	1.10	0.95		0.67	9.10	3.48	0.00	0.39	1.49	23.84	0.31

Note
- ETo : Reference crop evapotranspiration (mm/day)
- P : Percolation (mm/day)
- Re : Effective rainfall (mm/day)
- AWLR : Average water layer replacement (mm/day)
- ACC : Average crop coefficients
- LPA : Land preparation area
- CA : Crop area
- LPWR : Irrigation water requirements during land preparation (mm/day)
- ETc : Consumptive use (mm/day)
- NLPR : Net land preparation water requirements (mm/day)
- NFR : Net field water requirements (mm/day)
- Div. Req. : Unit diversion water requirements (l/sec/ha)

Table VII.3.3 (34/36) CALCULATION OF UNIT WATER DIVERSION REQUIREMENT (PRESENT CONDITION)

(C-10) 1990

Month	Period	ETo (mm/day)	P (mm/day)	Re (mm/day)	AWLR (mm/day)	ACC	LPA	CA	LPWR (mm/day)	ETc (mm/day)	NLPR (mm/day)	(ETc+P-Re)*CA (mm/day)	NFR (mm/day)	NFR*Days (mm)	Div. Req. (l/sec/ha)
Jan.	1	3.39	2.00	3.10		0.95		0.33	8.90	3.22	0.00	0.70	0.70	10.50	0.15
	2	3.34	2.00	4.80				0.00	8.90	0.00	0.00	0.00	0.00	0.00	0.00
Feb.	1	3.92	2.00	6.80					9.30	0.00	0.00	0.00	0.00	0.00	0.00
	2	4.10	2.00	5.80			1.00		9.40	0.00	3.60	0.00	3.60	46.80	0.76
Mar.	1	3.81	2.00	2.60		1.10	0.67	0.33	9.20	4.19	4.42	1.18	5.60	84.00	1.18
	2	4.08	2.00	6.90		1.10	0.33	0.67	9.40	4.49	0.83	0.00	0.83	13.28	0.17
Apr.	1	3.96	2.00	3.70	1.10	1.08		1.00	9.30	4.28	0.00	2.58	3.68	55.20	0.77
	2	4.07	2.00	2.20	1.10	1.07		1.00	9.40	4.35	0.00	4.15	5.25	78.75	1.10
May	1	3.81	2.00	7.40	2.20	1.02		1.00	9.20	3.89	0.00	0.00	2.20	33.00	0.46
	2	3.66	2.00	1.10	1.10	0.93		1.00	9.10	3.40	0.00	4.30	5.40	86.40	1.14
June	1	3.15	2.00	1.50	1.10	0.95		0.67	8.70	2.99	0.00	2.34	3.44	51.60	0.72
	2	3.09	2.00	2.20		0.95		0.33	8.70	2.94	0.00	0.90	0.90	13.50	0.19
July	1	3.27	2.00	4.00				0.00	8.80	0.00	0.00	0.00	0.00	0.00	0.00
	2	3.52	2.00	3.20					9.00	0.00	0.00	0.00	0.00	0.00	0.00
Aug.	1	3.74	2.00	0.50					9.20	0.00	0.00	0.00	0.00	0.00	0.00
	2	3.82	2.00	0.80					9.20	0.00	0.00	0.00	0.00	0.00	0.00
Sep.	1	3.68	2.00	3.40			1.00		9.10	0.00	5.70	0.00	5.70	85.50	1.20
	2	3.70	2.00	3.70		1.10	0.67	0.33	9.10	4.07	3.62	0.78	4.40	66.00	0.93
Oct.	1	3.88	2.00	6.50		1.10	0.33	0.67	9.30	4.27	0.92	0.00	0.92	13.80	0.19
	2	3.87	2.00	6.80	1.10	1.08		1.00	9.30	4.18	0.00	0.00	1.10	17.60	0.23
Nov.	1	3.95	2.00	3.50	1.10	1.07		1.00	9.30	4.23	0.00	2.73	3.83	57.45	0.81
	2	4.01	2.00	8.60	2.20	1.02		1.00	9.40	4.09	0.00	0.00	2.20	33.00	0.46
Dec.	1	3.71	2.00	7.10	1.10	0.93		1.00	9.10	3.45	0.00	0.00	1.10	16.50	0.23
	2	3.66	2.00	5.30	1.10	0.95		0.67	9.10	3.48	0.00	0.12	1.22	19.52	0.26

Note
- ETo : Reference crop evapotranspiration (mm/day)
- P : Percolation (mm/day)
- Re : Effective rainfall (mm/day)
- AWLR : Average water layer replacement (mm/day)
- ACC : Average crop coefficients
- LPA : Land preparation area
- CA : Crop area
- LPWR : Irrigation water requirements during land preparation (mm/day)
- ETc : Consumptive use (mm/day)
- NLPR : Net land preparation water requirements (mm/day)
- NFR : Net field water requirements (mm/day)
- Div. Req. : Unit diversion water requirements (l/sec/ha)

Table VII.3.3 (35/36) CALCULATION OF UNIT WATER DIVERSION REQUIREMENT (PRESENT CONDITION)

(C-11) 1991

Month	Period	ETo (mm/day)	P (mm/day)	Re (mm/day)	AWLR (mm/day)	ACC	LPA	CA	LPWR (mm/day)	ETc (mm/day)	NLPR (mm/day)	(ETc+P-Re)*CA (mm/day)	NFR (mm/day)	NFR*Days (mm)	Div. Req. (l/sec/ha)
Jan.	1	3.39	2.00	5.40		0.95		0.33	8.90	3.22	0.00	0.00	0.00	0.00	0.00
	2	3.34	2.00	7.10				0.00	8.90	0.00	0.00	0.00	0.00	0.00	0.00
Feb.	1	3.92	2.00	4.00					9.30	0.00	0.00	0.00	0.00	0.00	0.00
	2	4.10	2.00	1.30			1.00		9.40	0.00	8.10	0.00	8.10	105.30	1.70
Mar.	1	3.81	2.00	4.30		1.10	0.67	0.33	9.20	4.19	3.28	0.62	3.90	58.50	0.82
	2	4.08	2.00	9.60		1.10	0.33	0.67	9.40	4.49	0.00	0.00	0.00	0.00	0.00
Apr.	1	3.96	2.00	8.20	1.10	1.08		1.00	9.30	4.28	0.00	0.00	1.10	16.50	0.23
	2	4.07	2.00	3.10	1.10	1.07		1.00	9.40	4.35	0.00	3.25	4.35	65.25	0.92
May	1	3.81	2.00	5.20	2.20	1.02		1.00	9.20	3.89	0.00	0.69	2.89	43.35	0.61
	2	3.66	2.00	4.80	1.10	0.93		1.00	9.10	3.40	0.00	0.60	1.70	27.20	0.36
June	1	3.15	2.00	2.80	1.10	0.95		0.67	8.70	2.99	0.00	1.47	2.57	38.55	0.54
	2	3.09	2.00	1.40		0.95		0.33	8.70	2.94	0.00	1.17	1.17	17.55	0.25
July	1	3.27	2.00	2.30				0.00	8.80	0.00	0.00	0.00	0.00	0.00	0.00
	2	3.52	2.00	1.50					9.00	0.00	0.00	0.00	0.00	0.00	0.00
Aug.	1	3.74	2.00	3.00					9.20	0.00	0.00	0.00	0.00	0.00	0.00
	2	3.82	2.00	1.80					9.20	0.00	0.00	0.00	0.00	0.00	0.00
Sep.	1	3.68	2.00	2.20			1.00		9.10	0.00	6.90	0.00	6.90	103.50	1.45
	2	3.70	2.00	2.70		1.10	0.67	0.33	9.10	4.07	4.29	1.11	5.40	81.00	1.14
Oct.	1	3.88	2.00	0.80		1.10	0.33	0.67	9.30	4.27	2.81	3.66	6.47	97.05	1.36
	2	3.87	2.00	5.00	1.10	1.08		1.00	9.30	4.18	0.00	1.18	2.28	36.48	0.48
Nov.	1	3.95	2.00	5.10	1.10	1.07		1.00	9.30	4.23	0.00	1.13	2.23	33.45	0.47
	2	4.01	2.00	14.80	2.20	1.02		1.00	9.40	4.09	0.00	0.00	2.20	33.00	0.46
Dec.	1	3.71	2.00	11.30	1.10	0.93		1.00	9.10	3.45	0.00	0.00	1.10	16.50	0.23
	2	3.66	2.00	14.80	1.10	0.95		0.67	9.10	3.48	0.00	0.00	1.10	17.60	0.23

Note
ETo : Reference crop evapotranspiration (mm/day)
P : Percolation (mm/day)
Re : Effective rainfall (mm/day)
AWLR : Average water layer replacement (mm/day)
ACC : Average crop coefficients
LPA : Land preparation area
CA : Crop area
LPWR : Irrigation water requirements during land preparation (mm/day)
ETc : Consumptive use (mm/day)
NLPR : Net land preparation water requirements (mm/day)
NFR : Net field water requirements (mm/day)
Div. Req. : Unit diversion water requirements (l/sec/ha)

Table VII.3.3 (36/36) CALCULATION OF UNIT WATER DIVERSION REQUIREMENT (PRESENT CONDITION)

(C-12) 1992

Month	Period	ETo (mm/day)	P (mm/day)	Re (mm/day)	AWLR (mm/day)	ACC	LPA	CA	LPWR (mm/day)	ETc (mm/day)	NLPR (mm/day)	(ETc+P-Re)*CA (mm/day)	NFR (mm/day)	NFR*Days (mm)	Div. Req. (l/sec/ha)
Jan.	1	3.39	2.00	2.90		0.95		0.33	8.90	3.22	0.00	0.77	0.77	11.55	0.16
	2	3.34	2.00	6.10				0.00	8.90	0.00	0.00	0.00	0.00	0.00	0.00
Feb.	1	3.92	2.00	4.00					9.30	0.00	0.00	0.00	0.00	0.00	0.00
	2	4.10	2.00	4.70			1.00		9.40	0.00	4.70	0.00	4.70	65.80	0.99
Mar.	1	3.81	2.00	6.50		1.10	0.67	0.33	9.20	4.19	1.81	0.00	1.81	27.15	0.38
	2	4.08	2.00	4.60		1.10	0.33	0.67	9.40	4.49	1.58	1.27	2.85	45.60	0.60
Apr.	1	3.96	2.00	5.80	1.10	1.08		1.00	9.30	4.28	0.00	0.48	1.58	23.70	0.33
	2	4.07	2.00	4.60	1.10	1.07		1.00	9.40	4.35	0.00	1.75	2.85	42.75	0.60
May	1	3.81	2.00	7.40	2.20	1.02		1.00	9.20	3.89	0.00	0.00	2.20	33.00	0.46
	2	3.66	2.00	5.90	1.10	0.93		1.00	9.10	3.40	0.00	0.00	1.10	17.60	0.23
June	1	3.15	2.00	1.90	1.10	0.95		0.67	8.70	2.99	0.00	2.07	3.17	47.55	0.67
	2	3.09	2.00	0.60		0.95		0.33	8.70	2.94	0.00	1.43	1.43	21.45	0.30
July	1	3.27	2.00	4.70				0.00	8.80	0.00	0.00	0.00	0.00	0.00	0.00
	2	3.52	2.00	6.00					9.00	0.00	0.00	0.00	0.00	0.00	0.00
Aug.	1	3.74	2.00	1.00					9.20	0.00	0.00	0.00	0.00	0.00	0.00
	2	3.82	2.00	1.70					9.20	0.00	0.00	0.00	0.00	0.00	0.00
Sep.	1	3.68	2.00	3.50			1.00		9.10	0.00	5.60	0.00	5.60	84.00	1.18
	2	3.70	2.00	5.70		1.10	0.67	0.33	9.10	4.07	2.28	0.12	2.40	36.00	0.51
Oct.	1	3.88	2.00	4.20		1.10	0.33	0.67	9.30	4.27	1.68	1.39	3.07	46.05	0.65
	2	3.87	2.00	1.70	1.10	1.08		1.00	9.30	4.18	0.00	4.48	5.58	89.28	1.17
Nov.	1	3.95	2.00	10.70	1.10	1.07		1.00	9.30	4.23	0.00	0.00	1.10	16.50	0.23
	2	4.01	2.00	11.40	2.20	1.02		1.00	9.40	4.09	0.00	0.00	2.20	33.00	0.46
Dec.	1	3.71	2.00	6.00	1.10	0.93		1.00	9.10	3.45	0.00	0.00	1.10	16.50	0.23
	2	3.66	2.00	5.00	1.10	0.95		0.67	9.10	3.48	0.00	0.32	1.42	22.72	0.30

Note
- ETo : Reference crop evapotranspiration (mm/day)
- P : Percolation (mm/day)
- Re : Effective rainfall (mm/day)
- AWLR : Average water layer replacement (mm/day)
- ACC : Average crop coefficients
- LPA : Land preparation area
- CA : Crop area
- LPWR : Irrigation water requirements during land preparation (mm/day)
- ETc : Consumptive use (mm/day)
- NLPR : Net land preparation water requirements (mm/day)
- NFR : Net field water requirements (mm/day)
- Div. Req. : Unit diversion water requirements (l/sec/ha)

Table VII.3.4 (1/2) DISCHARGES AT RANTAU BERANGIN AND LUBUK JAMBI AREAS WITH ONCE IN FIVE YEARS NON-EXCEEDANCE

A. Rantau Berangin Irrigation Development Project (Base Year 1988)

(Unit : m3/sec/100km2)

Year	Jan.		Feb.		Mar.		Apr.		May		June	
	1-15	16-End	1-15	16-End	1-15	16-End	1-15	16-End	1-15	16-End	1-15	16-End
(1) 1981	3.207	3.782	2.334	2.556	2.928	1.762	11.096	4.800	7.924	4.443	2.787	1.254
(2) 1982	2.959	1.211	1.962	1.436	3.263	6.080	8.863	8.692	10.909	5.749	6.315	1.662
(3) 1983	3.272	2.783	1.811	1.251	3.044	3.479	1.711	2.612	2.091	1.073	0.866	0.843
(4) 1984*	1.736	1.663	1.788	1.919	7.144	4.761	2.029	2.216	1.839	5.062	5.340	2.078
(5) 1985	7.896	1.879	3.066	1.621	2.407	2.116	2.895	2.088	1.373	4.140	1.210	0.778
(6) 1986	6.187	3.783	4.370	1.179	7.576	4.814	4.654	1.938	2.504	0.919	0.838	1.725
(7) 1987	3.102	2.700	1.683	1.939	2.693	2.638	3.523	2.389	5.284	1.432	1.916	0.931
(8) 1988*	2.628	6.458	8.075	2.916	3.340	4.411	4.094	2.149	3.135	4.468	4.219	2.151
(9) 1989	8.017	10.458	2.098	3.149	6.161	1.418	1.475	1.040	1.097	1.328	0.868	1.362
(10) 1990	2.132	2.443	6.571	3.844	1.451	1.516	2.372	2.942	4.078	1.457	0.972	1.884
(11) 1991	1.941	6.410	2.461	1.018	4.800	8.890	7.281	5.311	2.810	2.170	1.284	0.879
(12) 1992*	4.937	6.703	5.329	3.816	6.369	2.226	3.480	1.773	1.433	1.619	0.872	0.848

Note * : Leap Year

(Unit : m3/sec/100km2)

Year	July		Aug.		Sep.		Oct.		Nov.		Dec.		Year
	1-15	16-End	1-15	16-End	1-15	16-End	1-15	16-End	1-15	16-End	1-15	16-End	
(1) 1981	2.703	2.962	1.085	1.571	1.035	1.020	1.935	6.124	4.412	2.379	2.734	2.747	3.320
(2) 1982	1.601	1.379	2.151	3.064	1.398	1.667	2.357	2.208	1.085	1.534	1.331	4.965	3.505
(3) 1983	1.380	0.948	0.793	2.154	5.373	2.251	1.413	2.183	3.094	2.343	2.547	3.739	2.218
(4) 1984*	0.906	7.013	5.309	1.394	2.730	2.616	1.654	3.904	1.892	1.934	2.414	3.092	3.037
(5) 1985	1.045	0.734	0.718	1.524	0.679	0.739	6.174	11.209	13.396	4.135	3.985	3.208	3.306
(6) 1986	1.147	2.033	1.075	0.802	0.706	4.087	7.026	3.840	6.997	6.250	9.962	5.265	3.738
(7) 1987	0.792	0.832	1.610	1.090	1.614	4.149	5.250	5.320	10.922	2.079	6.249	2.593	3.024
(8) 1988*	2.501	1.206	1.172	5.929	1.789	2.229	1.609	1.258	3.580	3.582	6.555	5.597	3.558
(9) 1989	1.999	0.936	0.808	1.010	2.126	1.823	3.392	7.027	4.941	3.286	3.783	2.285	3.004
(10) 1990	1.307	4.570	1.364	2.970	1.803	0.941	1.693	4.425	7.504	7.778	6.257	3.838	3.165
(11) 1991	1.194	0.830	2.073	1.354	1.196	2.516	1.040	3.168	9.036	6.783	3.047	4.696	3.447
(12) 1992*	2.162	2.295	1.097	0.855	2.093	2.674	3.826	2.538	3.002	8.008	2.555	1.760	3.001

Note * : Leap Year

Table VII.3.4 (2/2) DISCHARGES AT RANTAU BERANGIN AND LUBUK JAMBI AREAS WITH ONCE IN FIVE YEARS NON-EXCEEDANCE

B. Lubuk Jambi Irrigation Development Project (Base Year 1986)

(Unit : m3/sec/100km2)

Year	Jan.		Feb.		Mar.		Apr.		May		June	
	1-15	16-End	1-15	16-End	1-15	16-End	1-15	16-End	1-15	16-End	1-15	16-End
(1) 1981	7.411	5.199	4.601	3.919	4.582	3.664	10.425	7.379	4.465	4.283	2.134	1.373
(2) 1982	6.631	2.215	2.962	1.717	3.453	9.013	19.642	10.446	7.405	5.383	5.574	1.322
(3) 1983	6.182	10.655	4.506	2.495	3.862	3.206	1.692	1.406	12.052	7.330	2.021	4.468
(4) 1984*	4.028	7.349	3.649	6.795	7.704	7.077	11.400	5.571	6.394	5.959	7.666	2.315
(5) 1985	9.797	5.376	4.717	1.477	4.614	5.094	2.433	2.517	3.962	5.159	1.492	1.068
(6) 1986	8.900	4.865	3.077	1.338	6.510	5.759	2.939	11.124	11.449	2.004	1.556	1.405
(7) 1987	5.338	4.566	3.066	1.732	4.021	2.195	1.006	1.373	3.558	2.424	2.949	1.513
(8) 1988*	0.919	3.713	1.636	2.400	4.918	1.882	1.927	1.090	4.672	4.301	1.911	0.825
(9) 1989	5.558	6.921	1.587	2.322	1.414	5.638	1.998	1.653	5.152	2.092	1.653	0.774
(10) 1990	2.962	2.482	0.991	1.892	4.166	1.793	3.317	1.213	6.334	2.652	0.734	0.765
(11) 1991	8.021	8.444	3.303	3.206	2.316	7.135	9.135	2.943	1.817	1.683	1.693	0.923
(12) 1992*	5.649	5.985	6.990	1.554	4.284	1.272	1.675	1.680	1.503	0.863	1.514	0.908

Note *: Leap Year

(Unit : m3/sec/100km2)

Year	July		Aug.		Sep.		Oct.		Nov.		Dec.		Year
	1-15	16-End	1-15	16-End	1-15	16-End	1-15	16-End	1-15	16-End	1-15	16-End	
(1) 1981	2.136	3.514	1.063	0.927	3.507	4.715	5.405	2.927	6.018	2.548	2.834	2.355	4.043
(2) 1982	1.587	1.166	3.011	1.443	1.261	0.921	3.630	3.233	7.494	2.763	4.542	8.582	4.818
(3) 1983	4.428	3.347	2.566	3.537	3.569	1.096	2.004	2.957	6.653	3.723	4.528	7.841	4.454
(4) 1984*	1.503	3.070	2.255	2.342	2.152	4.499	4.291	5.442	2.737	3.317	3.967	3.560	4.791
(5) 1985	2.019	1.819	0.989	1.861	1.379	3.143	4.401	4.778	2.314	1.844	5.115	12.293	3.776
(6) 1986	1.538	2.096	0.999	0.914	1.434	5.699	7.469	7.855	5.933	9.586	11.806	5.434	5.073
(7) 1987	0.918	1.036	1.438	1.410	1.519	1.113	1.958	2.582	4.426	2.706	2.187	1.174	2.343
(8) 1988*	0.820	0.760	2.316	1.137	0.851	1.256	1.275	0.742	0.972	0.711	3.989	2.175	1.968
(9) 1989	1.044	0.639	0.633	1.790	2.408	0.914	2.273	1.427	5.022	7.786	15.796	6.025	3.446
(10) 1990	1.489	3.168	0.919	3.287	3.889	0.992	0.757	2.089	1.072	0.952	5.760	10.717	2.708
(11) 1991	0.933	0.794	1.849	0.724	0.855	0.713	0.611	0.659	8.954	8.732	7.024	12.435	3.970
(12) 1992*	1.529	3.049	1.069	0.781	0.910	3.415	2.878	2.876	8.933	6.804	3.498	3.931	3.061

Note *: Leap Year