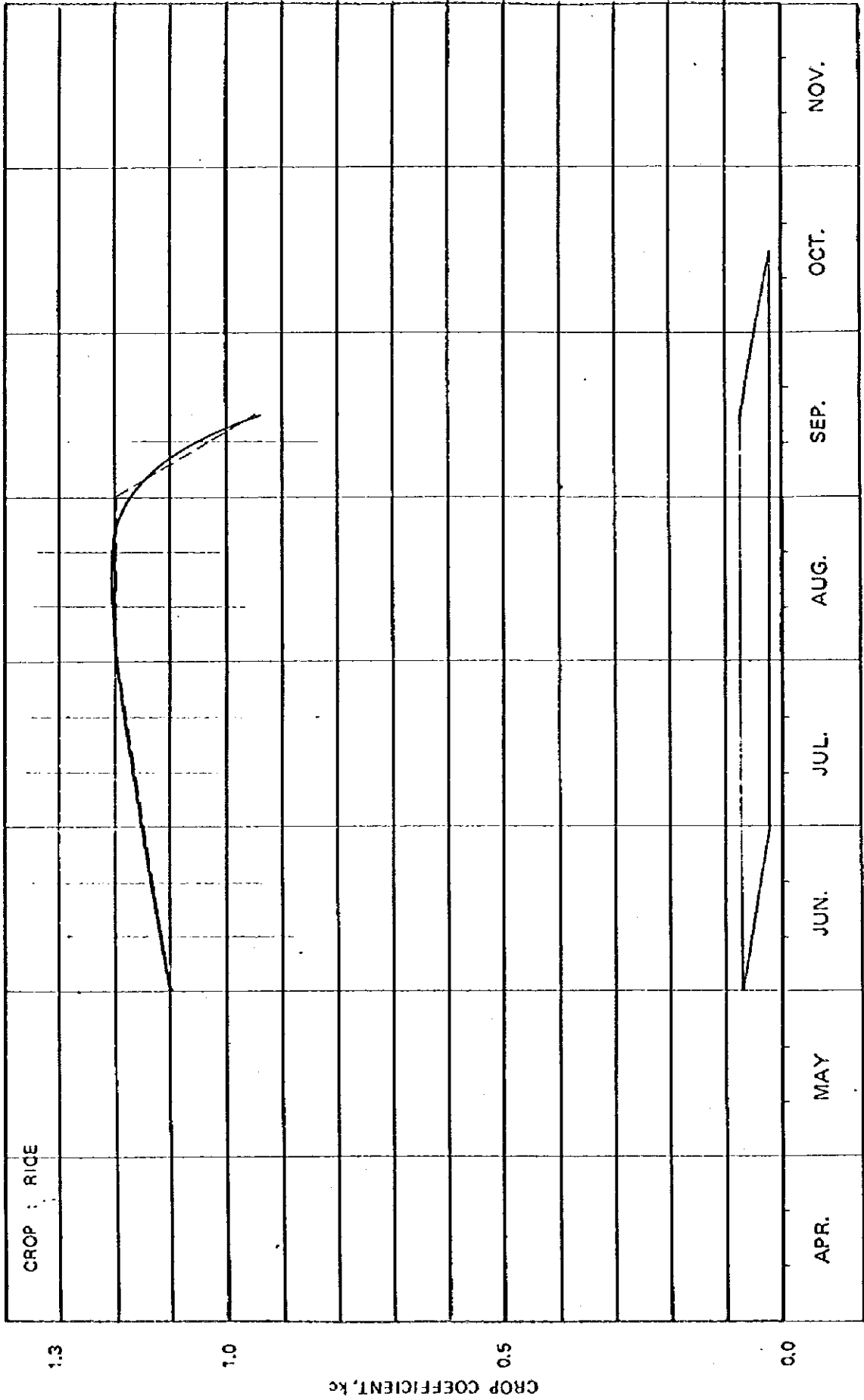


Appendix E-3 Crop Factor (kc) Value and Crop
Evapotranspiration by Crop

FIGURE CROP COEFFICIENT



MONTH

FIGURE CROP COEFFICIENT

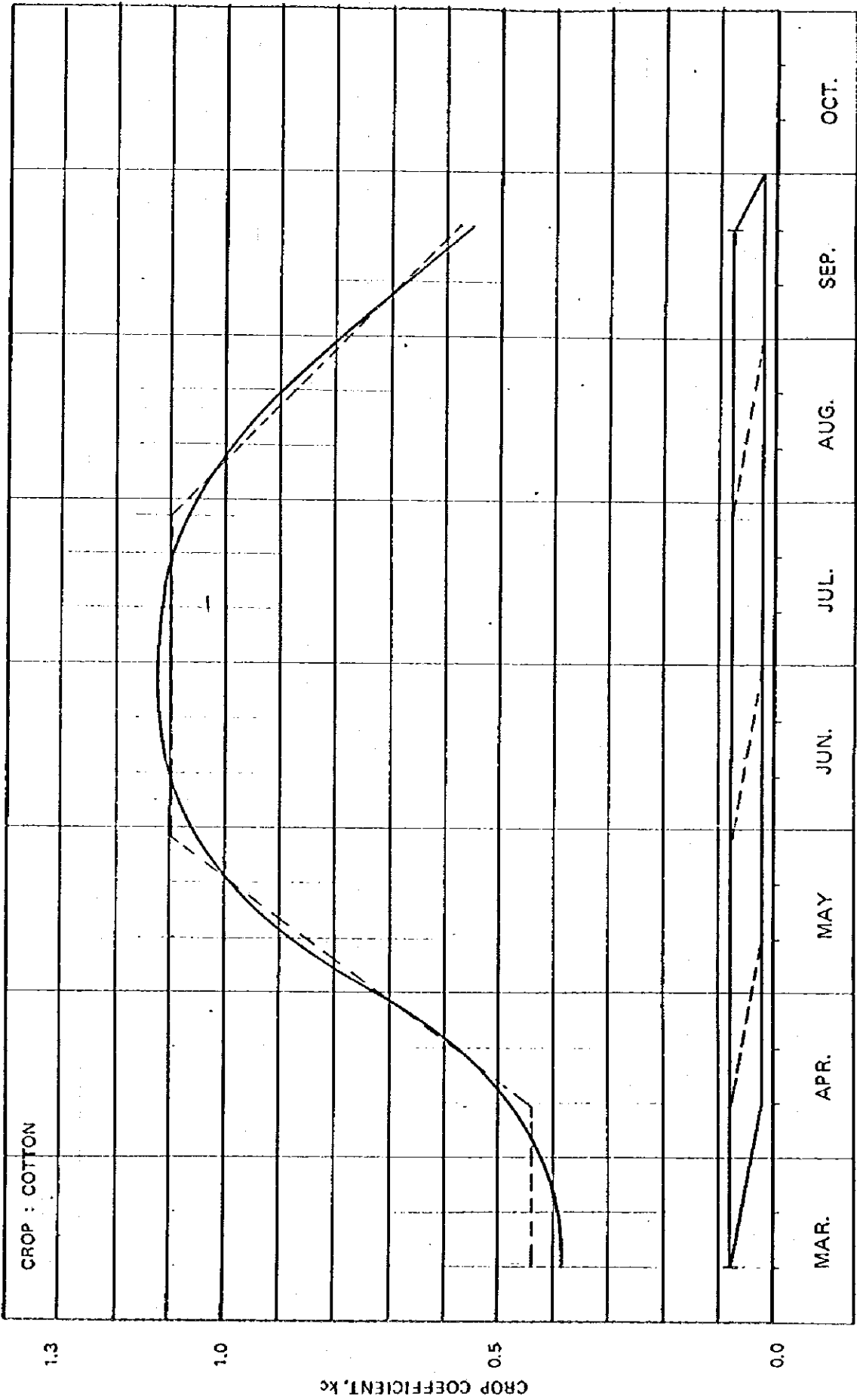
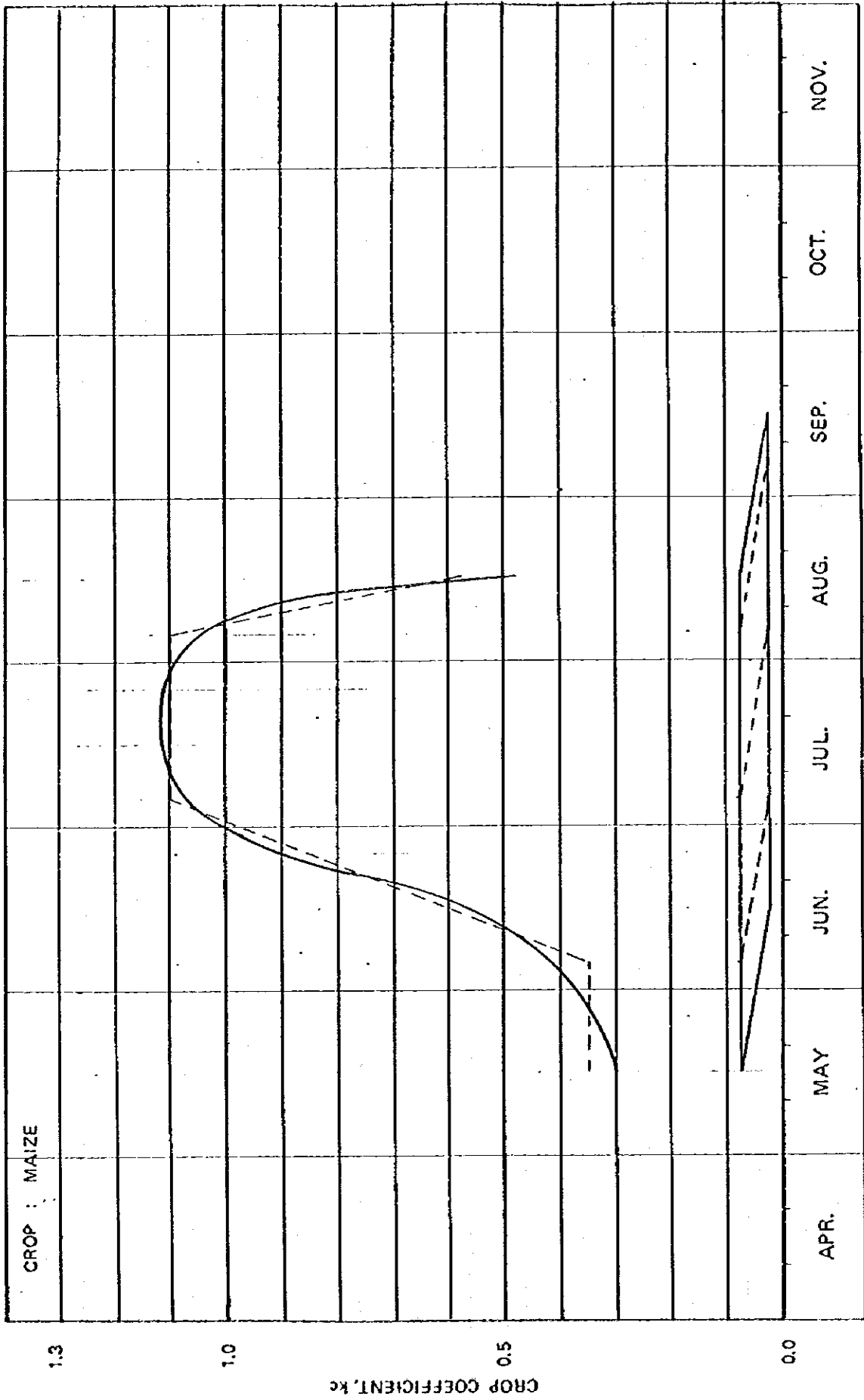


FIGURE CROP COEFFICIENT



MONTH

FIGURE CROP COEFFICIENT

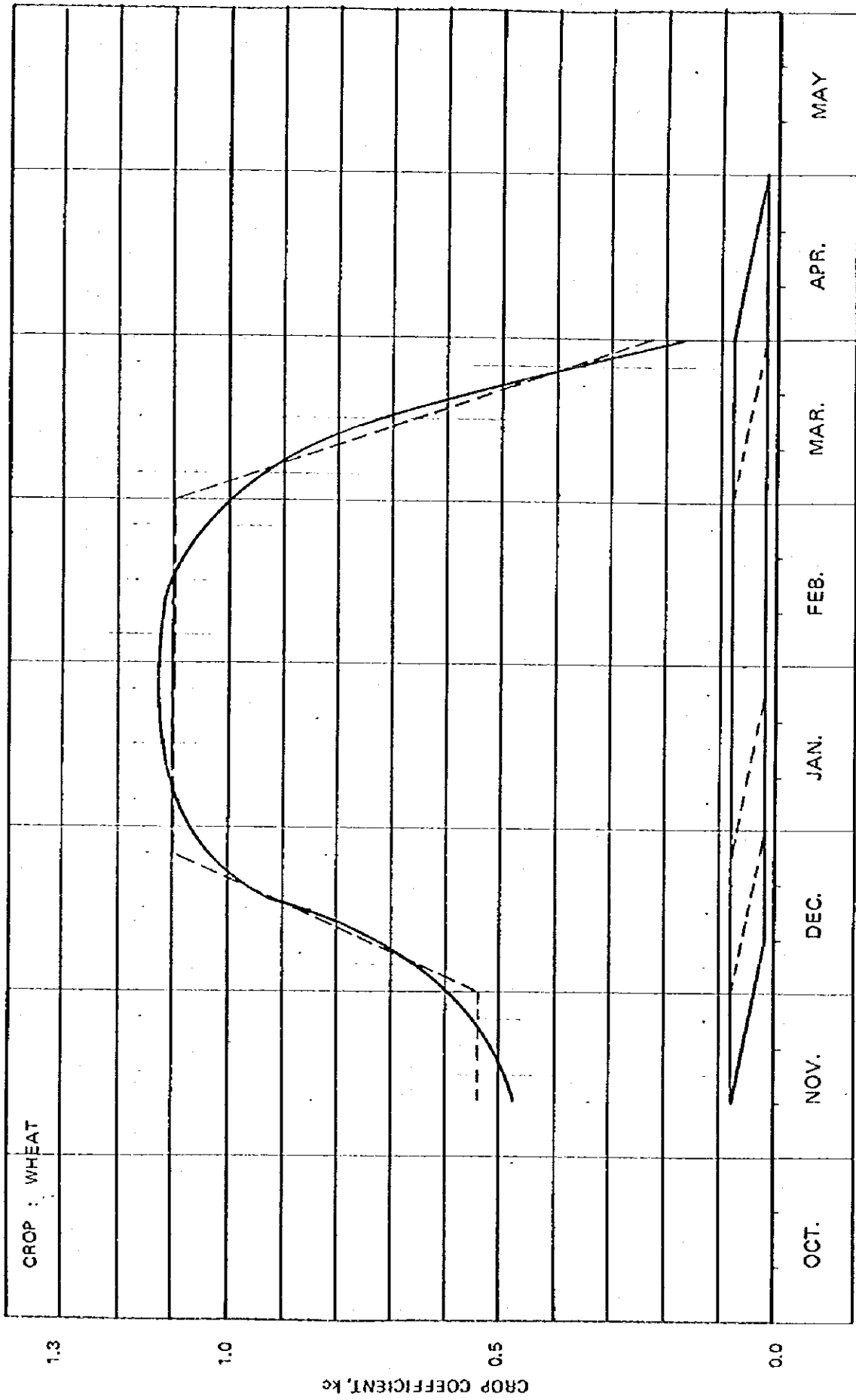


FIGURE CROP COEFFICIENT

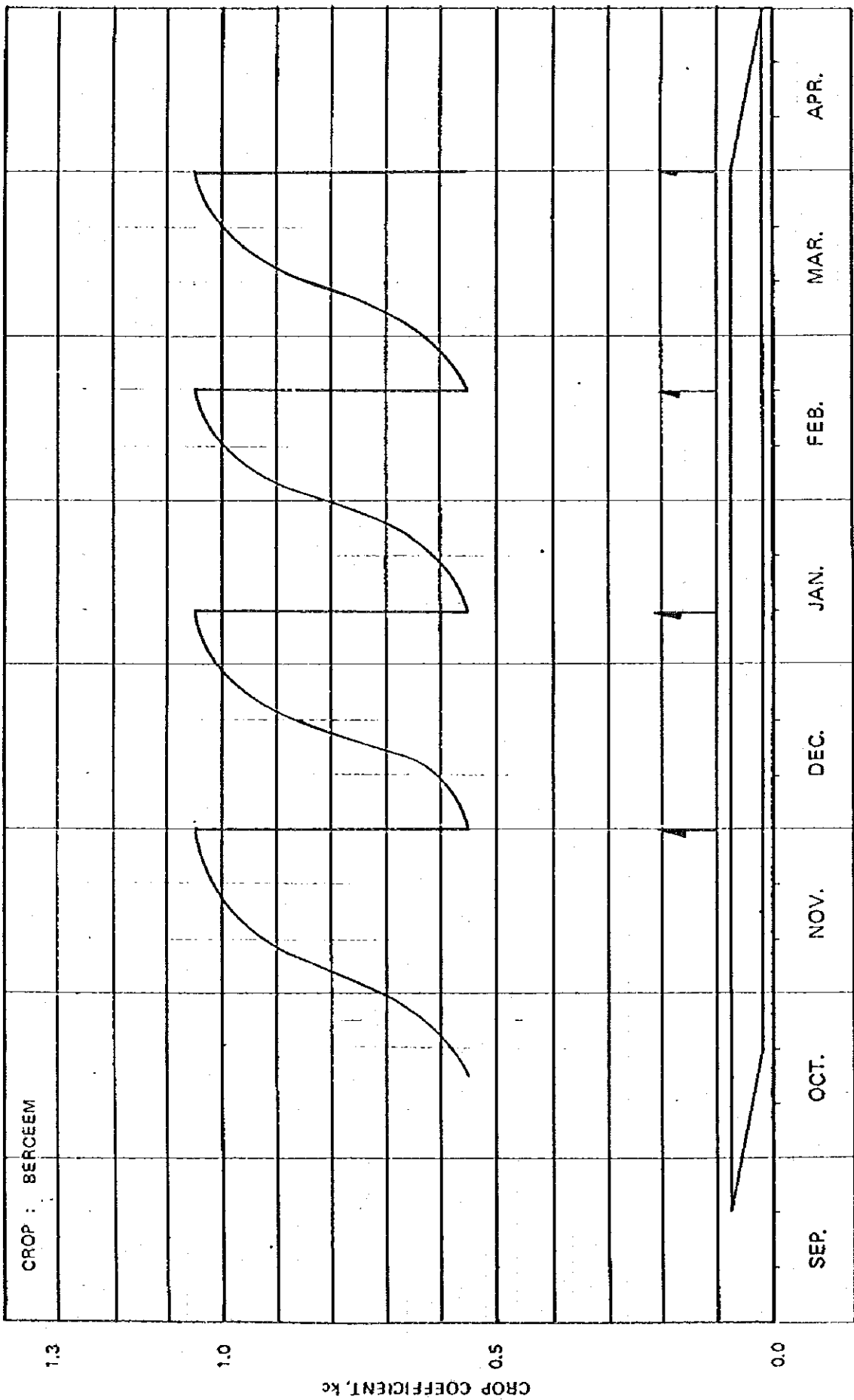
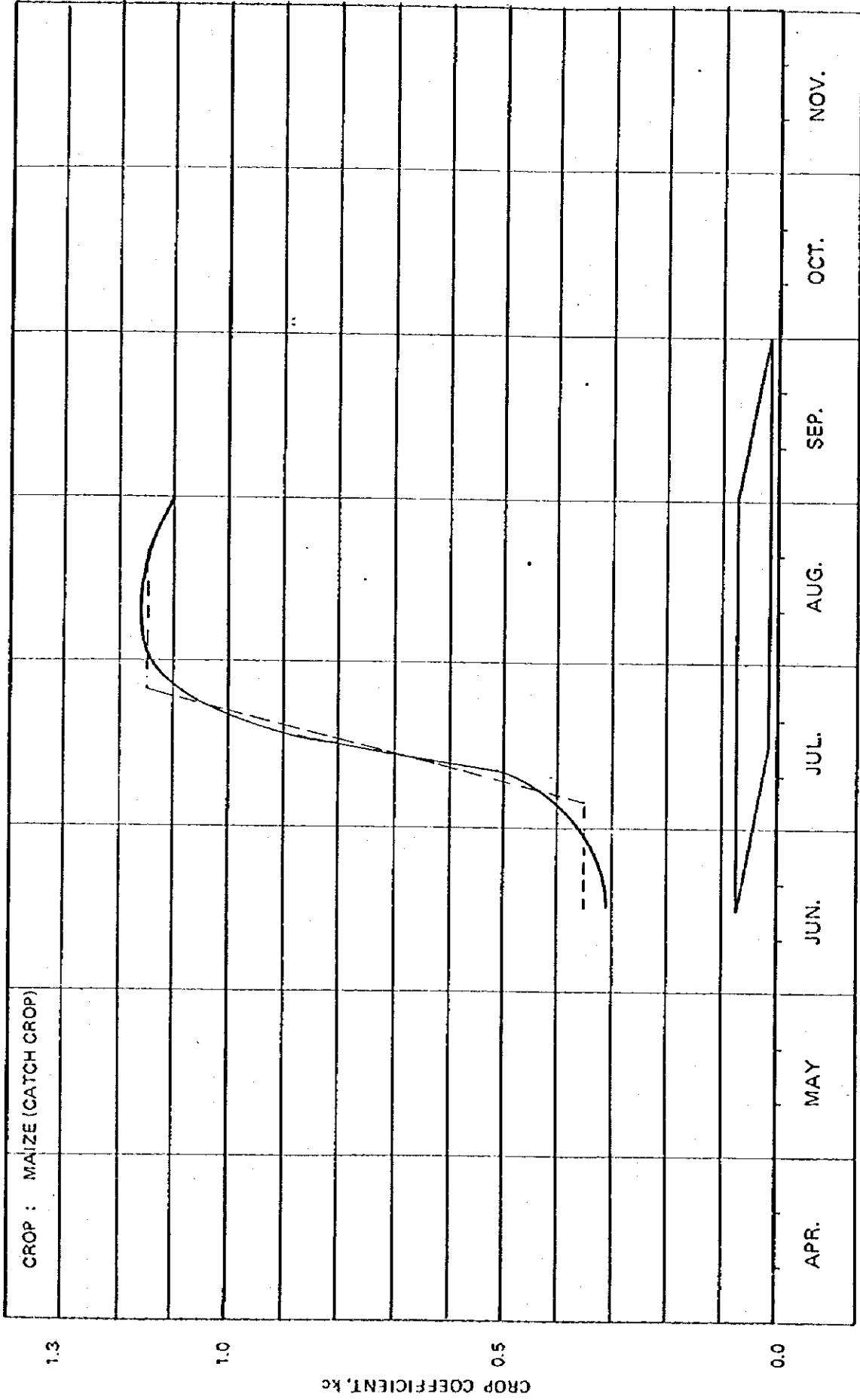
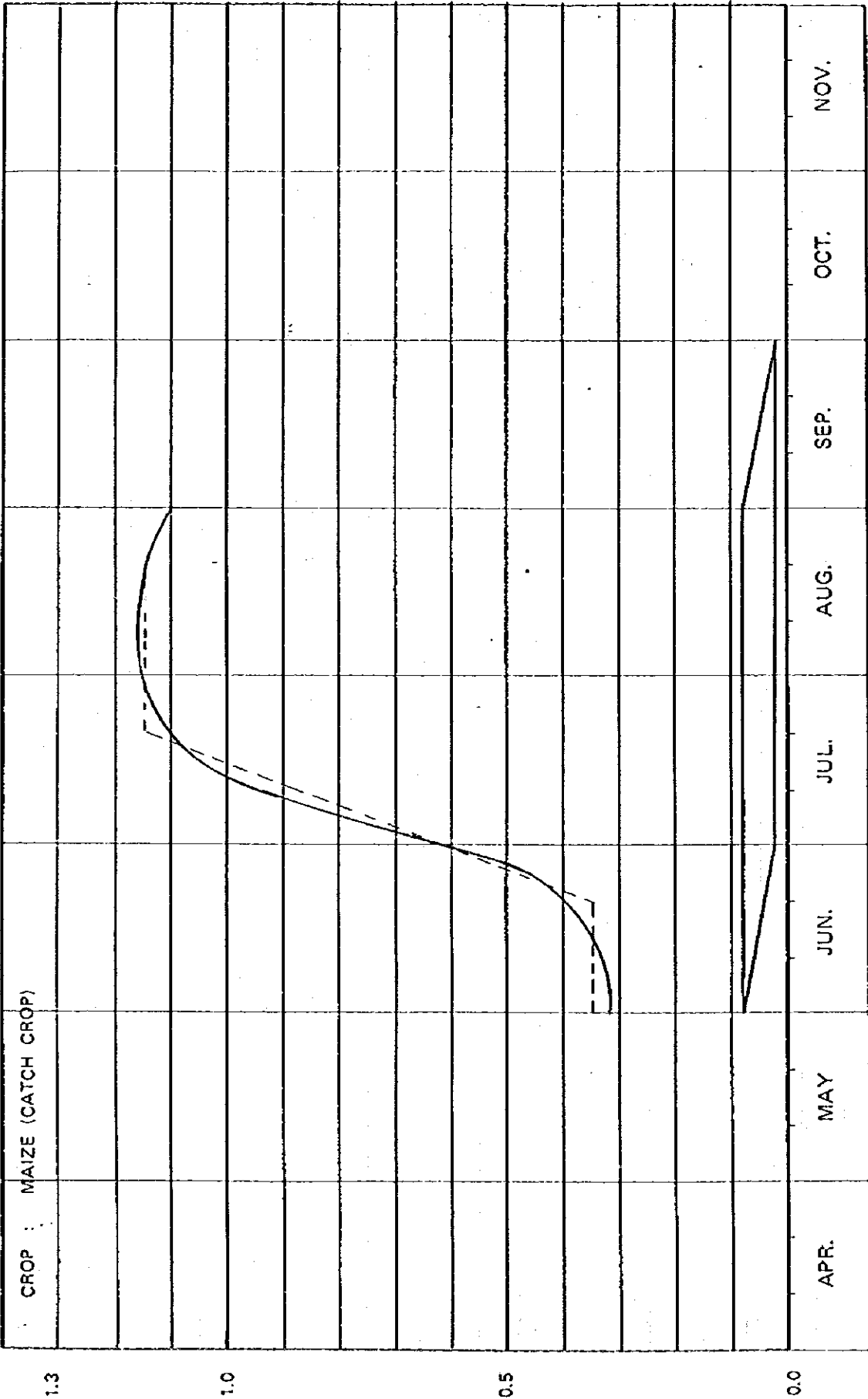


FIGURE CROP COEFFICIENT
Soiling Corn (Case-1)



CROP COEFFICIENT, kc

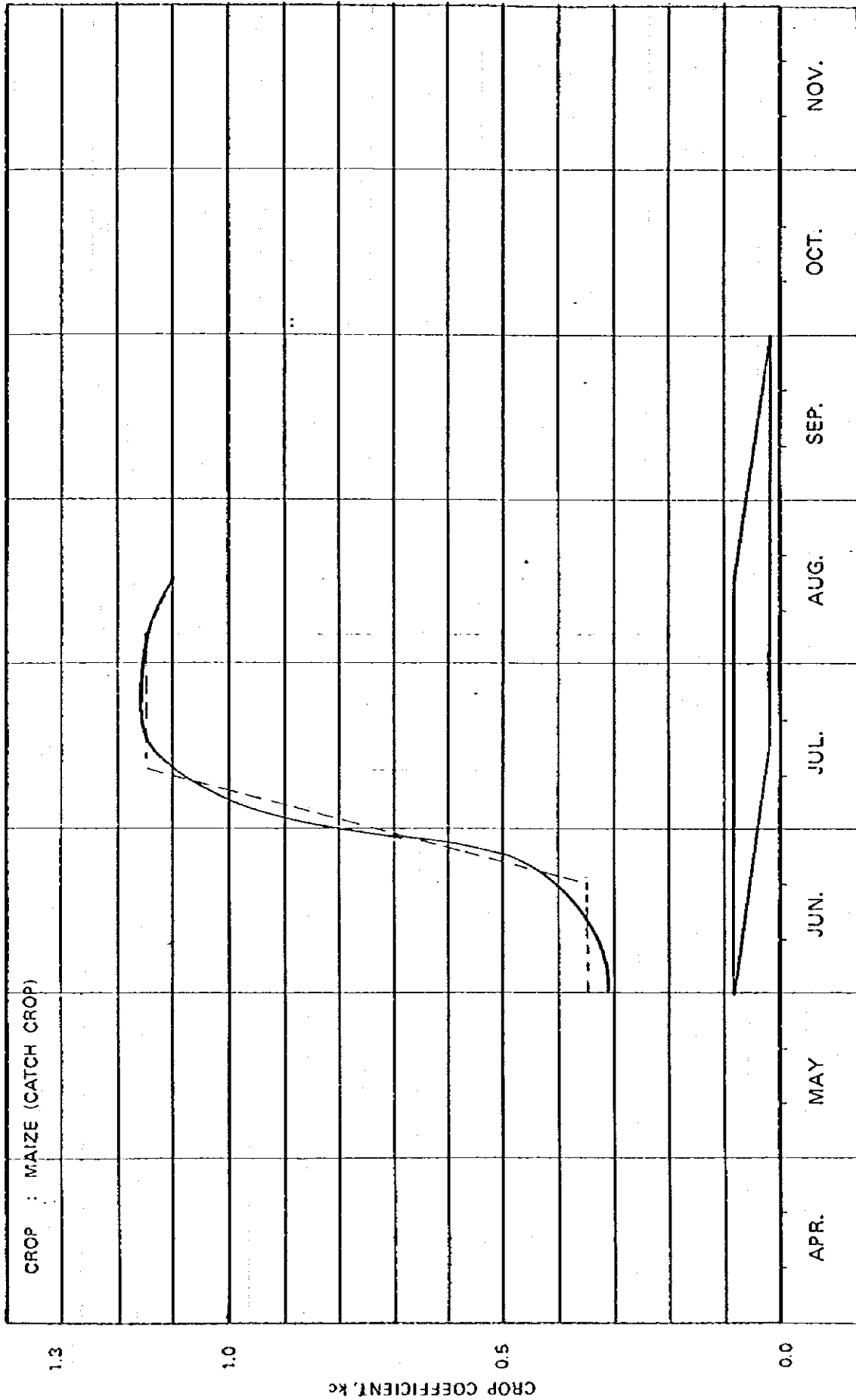


MONTH

FIGURE CROP COEFFICIENT
Soiling Corn (Case-2)

CROP : MAIZE (CATCH CROP)

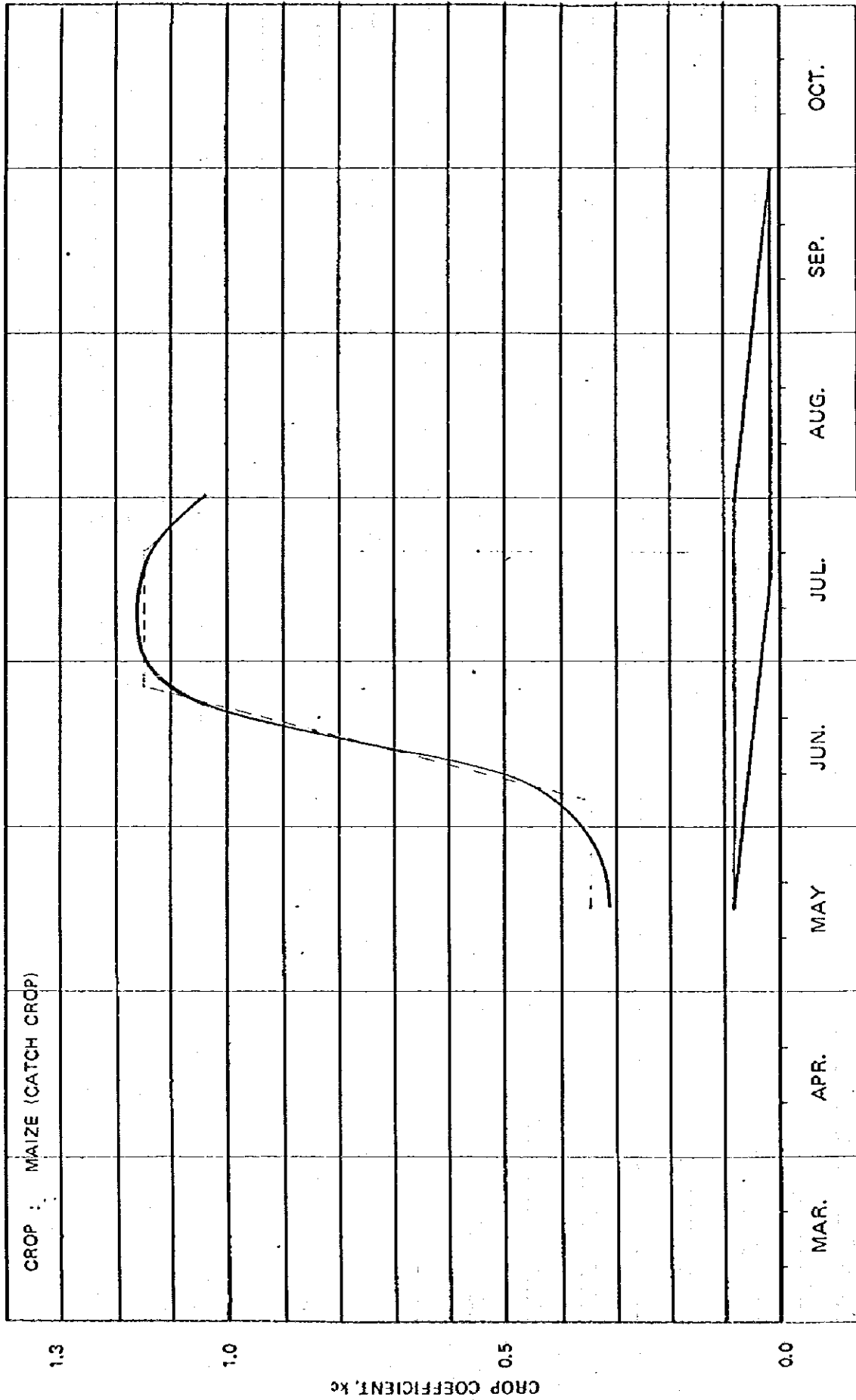
FIGURE CROP COEFFICIENT
Soiling Corn (Case-3)



MONTH

FIGURE CROP COEFFICIENT

Soiling Corn (Case-4)



Net Water Requirement of Paddy

Month	Decade	Nursery Stage	Land Pre-preparation S.	Growing Stage	Total
May	F	3	-	-	3
	M	7	-	-	7
	L	12	14	-	26
Jun.	F	8	42	32	82
	M	4	42	64	110
	L	-	27	97	124
Jul.	F	-	-	86	86
	M	-	-	87	87
	L	-	-	97	97
Aug.	F	-	-	86	86
	M	-	-	86	86
	L	-	-	95	95
Sep.	F	-	-	76	76
	M	-	-	72	72
	L	-	-	46	46
Oct.	F	-	-	17	17
	M	-	-	-	-
	L	-	-	-	-
<u>Total</u>					<u>1,100</u>

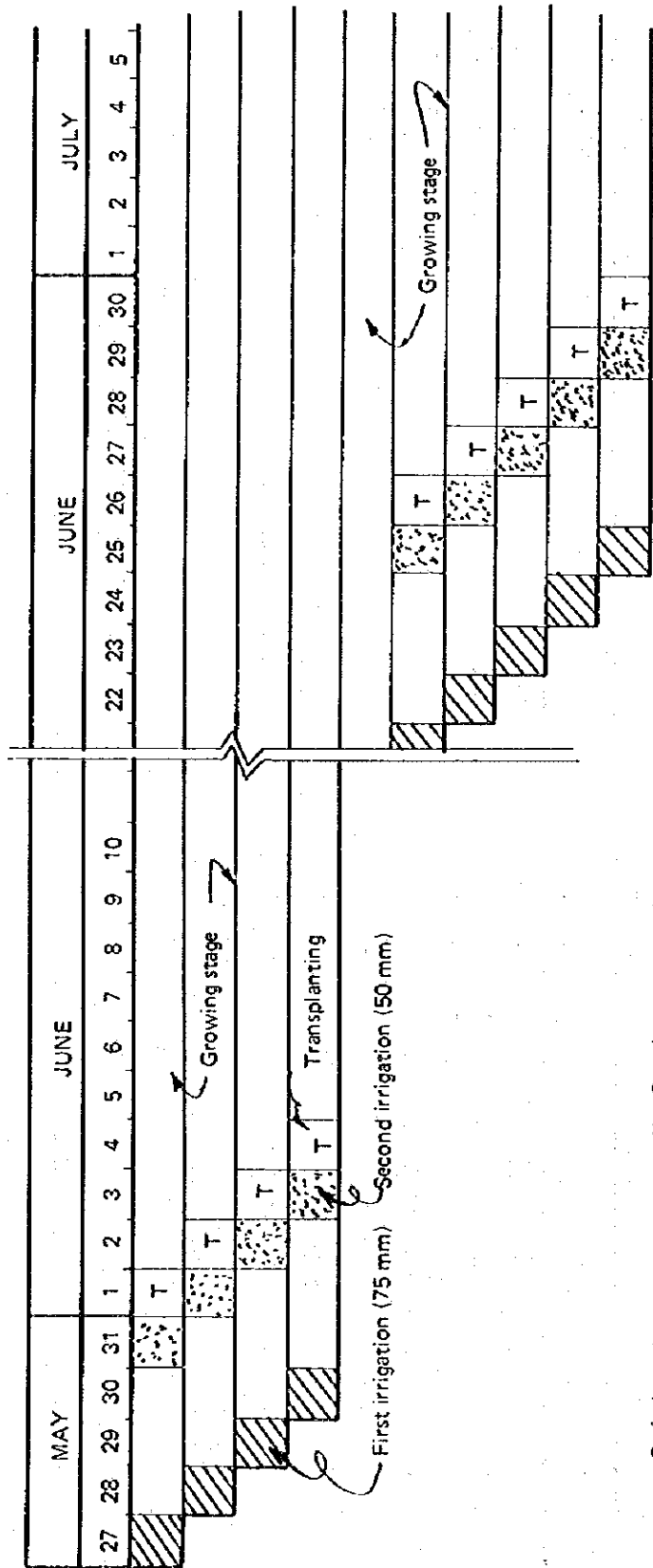
(4,536 cu.m/feddan)

Net Water Requirement of Paddy (Nursery Stage)

Month	Decade	Kc value				ETo	Net Water Requirement	
		F	M	E	Ave.			
						(1)	(2)	(3)
May	F	1.00	-	-	0.33	82	3	
	M	1.05	1.00	-	0.68	82	7	
	E	1.10	1.05	1.00	1.05	90	12	
Jun.	F	-	1.10	1.05	0.72	87	8	
	M	-	-	1.10	0.37	87	4	
	E	-	-	-	-	-	-	
<u>Total</u>							<u>34</u>	

Note: $3 = 1 \times 2 / a$

Where; Nursery area is 1/8 of net irrigable area.



Net Water Requirement of Paddy
(Land Preparation Stage)

Cotton

Rice

Month	Kc value						ET crop	Month	Kc value						ET crop	
	Decade			Decade					Decade			Decade				
	F	M	E	F	M	E			F	M	E	F	M	E		F
Mar.	F	-	-	-	-	-	-	Jun.	F	1.11	-	-	0.37	87	32	
	M	0.39	-	-	0.13	42	M		1.12	1.11	-	0.74	87	64		
	E	0.40	0.39	-	0.26	46	E		1.14	1.12	1.11	1.12	87	97		
Apr.	F	0.45	0.40	0.39	0.41	57	23	Jul.	F	1.16	1.14	1.12	1.14	75	86	
	M	0.53	0.45	0.40	0.46	57	26		M	1.17	1.16	1.14	1.16	75	87	
	E	0.64	0.53	0.45	0.54	57	31		E	1.19	1.17	1.16	1.17	83	97	
Mar.	F	0.80	0.64	0.53	0.66	82	54	Aug.	F	1.20	1.19	1.17	1.19	72	86	
	M	0.94	0.80	0.64	0.79	82	65		M	1.21	1.20	1.19	1.20	72	86	
	E	1.03	0.94	0.80	0.92	90	83		E	1.19	1.21	1.20	1.20	79	95	
Jun.	F	1.09	1.03	0.94	1.02	87	89	Sep.	F	1.13	1.19	1.21	1.18	66	76	
	M	1.11	1.09	1.03	1.08	87	94		M	0.95	1.13	1.19	1.09	66	72	
	E	1.12	1.11	1.09	1.11	87	97		E	-	0.95	1.13	0.69	66	46	
Jul.	F	1.12	1.12	1.11	1.12	75	84	Oct.	F	-	-	0.95	0.32	54	17	
	M	1.11	1.12	1.12	1.12	75	84		M	-	-	-	-	-	-	
	E	1.07	1.11	1.12	1.10	83	91		E	-	-	-	-	-	-	
Aug.	F	1.02	1.07	1.11	1.07	72	77	Total:							1,206	941
	M	0.95	1.02	1.07	1.01	72	73								(5,065 cu.m/feddan)	(3,960 cu.m/feddan)
	E	0.84	0.95	1.02	0.94	79	74									
Sep.	F	0.73	0.84	0.95	0.84	66	55									
	M	0.61	0.73	0.84	0.73	66	48									
	E	-	0.61	0.73	0.45	66	30									
Oct.	F	-	-	0.61	0.20	54	11									
	M	-	-	-	-	-	-									
	E	-	-	-	-	-	-									

ET crop of Maize (Seed)

Kc value		Case I				Case II				Case III			
Decade		Month	Decade	ETo	ETc	Month	Decade	ETo	ETc	Month	Decade	ETo	ETc
F	M	L	Ave.	(mm)	(mm)			(mm)	(mm)			(mm)	(mm)
0.30	-	-	0.10	82	8	May	M	82	8	May	L	90	9
0.34	0.30	-	0.21	90	19	May	L	82	17		F	87	18
0.42	0.34	0.30	0.35	87	30		F	90	32	Jun.	M	87	30
0.56	0.42	0.34	0.44	87	38	Jun.	M	87	38		L	87	38
0.90	0.56	0.42	0.63	87	55		L	87	55		F	75	47
1.07	0.90	0.56	0.84	75	63	Jun.	F	87	73	Jul.	M	75	63
1.11	1.07	0.90	1.03	75	77	Jul.	M	75	77		L	83	85
1.11	1.11	1.07	1.10	83	91		L	75	83		F	72	79
1.04	1.11	1.11	1.09	72	78	Jul.	F	83	90	Aug.	M	72	78
0.49	1.04	1.11	0.88	72	63		M	72	63		L	79	70
-	0.49	1.04	0.51	79	40	Aug.	L	72	37		F	66	34
-	-	0.49	0.16	66	11		F	79	13	Sep.	M	66	11
-	-	-	-	-	-		M	-	-		L	-	-
Total:				573	586			586	562			562	562
				(2,407 cu.m/feddan)				(2,419)				(2,360)	

Note: Etc = Crop water requirement (mm)

Wheat

Month	Decade	Kc value			Ave.	ETo	ET crop
		Decade					
		F	M	E			
Nov.	F	-	-	-	-	-	-
	M	0.49	-	-	0.16	37	6
	E	0.55	0.49	-	0.35	37	13
Dec.	F	0.66	0.55	0.49	0.57	28	16
	M	0.86	0.66	0.55	0.69	28	19
	E	1.03	0.86	0.66	0.85	31	26
Jan.	F	1.09	1.03	0.86	0.99	27	27
	M	1.12	1.09	1.03	1.08	27	29
	E	1.12	1.12	1.09	1.11	30	33
Feb.	F	1.12	1.12	1.12	1.12	32	36
	M	1.00	1.12	1.12	1.01	32	32
	E	1.04	1.00	1.12	1.05	29	30
Mar.	F	0.94	1.04	1.00	0.99	42	42
	M	0.72	0.94	1.04	0.90	42	38
	E	0.37	0.72	0.94	0.68	46	31
Apr.	F	-	0.37	0.72	0.36	57	21
	M	-	-	0.37	0.12	57	7
	E	-	-	-	-	-	-

Total:

406
(1,705 cu.m/feddan)

Berceem (4 times)

Month	Kc value						ET crop	ETO	Ave.
	Decade			Decade					
	F	M	E	F	M	E			
Oct.	F	0.55	-	-	-	-	-	0.18	
	M	0.63	0.55	-	-	-	10	0.39	
	E	0.83	0.63	0.55	0.67	37	23	0.59	
Nov.	F	0.98	0.83	0.63	0.81	37	25	0.67	
	M	1.03	0.98	0.83	0.81	37	30	0.81	
	E	0.57	1.03	0.98	0.95	37	35	0.95	
Dec.	F	0.73	0.57	1.03	0.86	28	24	0.86	
	M	0.95	0.73	0.57	0.78	28	22	0.78	
	E	1.04	0.95	0.73	0.75	31	23	0.75	
Jan.	F	0.68	0.57	1.04	0.91	27	25	0.91	
	M	0.93	0.68	0.57	0.85	27	23	0.85	
	E	1.03	0.93	0.68	0.73	32	23	0.73	
Feb.	F	0.58	1.03	0.93	0.85	26	22	0.85	
	M	0.73	0.58	1.03	0.78	42	33	0.78	
	E	0.93	0.73	0.58	0.75	42	32	0.75	
Mar.	F	1.03	0.93	0.73	0.90	46	41	0.90	
	M	-	1.03	0.93	0.65	57	37	0.65	
	E	-	-	1.03	0.34	57	19	0.34	
Apr.	F	-	-	-	-	-	-	-	
	M	-	-	-	-	-	-	-	
	E	-	-	-	-	-	-	-	
Total:						496		(2,092 cu.m./feddan)	

Berceem (2 times)

Month	Kc value						ET crop	ETO	Ave.
	Decade			Decade					
	F	M	E	F	M	E			
Oct.	F	0.55	-	-	-	-	-	0.18	
	M	0.63	0.55	-	-	-	10	0.39	
	E	0.83	0.63	0.55	0.67	37	23	0.59	
Nov.	F	0.98	0.83	0.63	0.81	37	25	0.81	
	M	1.03	0.98	0.83	0.81	37	30	0.81	
	E	0.57	1.03	0.98	0.95	37	35	0.95	
Dec.	F	0.73	0.57	1.03	0.86	28	24	0.86	
	M	0.95	0.73	0.57	0.78	28	22	0.78	
	E	1.04	0.95	0.73	0.75	31	23	0.75	
Jan.	F	0.68	0.57	1.04	0.91	27	25	0.91	
	M	0.93	0.68	0.57	0.85	27	23	0.85	
	E	1.03	0.93	0.68	0.73	32	23	0.73	
Feb.	F	0.58	1.03	0.93	0.85	26	22	0.85	
	M	0.73	0.58	1.03	0.78	42	33	0.78	
	E	0.93	0.73	0.58	0.75	42	32	0.75	
Mar.	F	1.03	0.93	0.73	0.90	46	41	0.90	
	M	-	1.03	0.93	0.65	57	37	0.65	
	E	-	-	1.03	0.34	57	19	0.34	
Apr.	F	-	-	-	-	-	-	-	
	M	-	-	-	-	-	-	-	
	E	-	-	-	-	-	-	-	
Total:						246		(1,033 cu.m./feddan)	

CROP: Soiling Corn (Case-1)

Month	Decade	Kc Value			ETo (mm/10 days)	ET Crop (mm/10 days)	Remarks
		1st	2nd	3rd			
APR.	M	-	-	-	-	-	
	L	-	-	-	-	-	
	F	-	-	-	-	-	
MAY	M	-	-	-	-	-	
	L	-	-	-	-	-	
	F	-	-	-	-	-	
JUN.	M	0.31	-	-	87	9	
	L	0.34	0.31	-	92	20	
	F	0.41	0.34	0.31	75	26	
JUL.	M	0.80	0.41	0.34	75	39	
	L	1.09	0.60	0.41	83	64	
	F	1.16	1.09	0.80	72	73	
AUG.	M	1.15	1.16	1.09	72	81	
	L	1.12	1.15	1.16	79	90	
	F	-	1.12	1.15	66	50	
SEP.	M	-	-	1.12	66	24	
	L	-	-	-	-	-	
	F	-	-	-	-	-	

CROP: Soiling Corn (Case-2)

Month	Decade	Kc Value			Ave.	ETo (mm/10 days)	ET Crop (mm/10 days)	Remarks
		1st	2nd	3rd				
APR.	M	-	-	-	-	-	-	
	L	-	-	-	-	-	-	
	F	-	-	-	-	-	-	
MAY	M	-	-	-	-	-	-	
	L	-	-	-	-	-	-	
	F	0.31	-	-	0.10	87	9	
JUN.	M	0.36	0.31	-	0.22	87	19	
	L	0.46	0.36	0.31	0.38	96	36	
	F	0.80	0.46	0.36	0.54	75	41	
JUL.	M	1.05	0.80	0.46	0.77	75	58	
	L	1.14	1.05	0.80	1.00	83	83	
	F	1.16	1.14	1.05	1.12	72	81	
AUG.	M	1.15	1.16	1.14	1.15	72	83	
	L	1.12	1.15	1.16	1.14	79	90	
	F	-	1.12	1.15	0.76	66	50	
SEP.	M	-	-	1.12	0.37	66	24	
	L	-	-	-	-	-	-	
	F	-	-	-	-	-	-	
OCT.	M	-	-	-	-	-	-	
	L	-	-	-	-	-	-	
	F	-	-	-	-	-	-	

CROP: Soiling Corn (Case-3)

<u>Month</u>	<u>Decade</u>	<u>Kc Value</u>					<u>Ave.</u>	<u>ETo</u> (mm/10 days)	<u>ET crop</u> (mm/10 days)	<u>Remarks</u>
		<u>1st</u>	<u>2nd</u>	<u>3rd</u>	<u>4th</u>	<u>5th</u>				
APR.	M	-	-	-	-	-	-	-	-	
	L	-	-	-	-	-	-	-	-	
	F	-	-	-	-	-	-	-	-	
MAY	M	-	-	-	-	-	-	-	-	
	L	-	-	-	-	-	-	-	-	
	F	0.31	-	-	-	-	0.06	87	5	
JUN.	M	0.36	0.31	-	-	-	0.13	87	11	
	L	0.50	0.36	0.31	-	-	0.23	96	22	
	F	1.00	0.50	0.36	0.31	-	0.43	75	32	
JUL.	M	1.14	1.00	0.50	0.36	0.31	0.66	75	50	
	L	1.16	1.14	1.00	0.50	0.36	0.83	83	69	
	F	1.15	1.16	1.14	1.00	0.50	0.99	72	71	
AUG.	M	1.00	1.15	1.16	1.14	1.00	1.09	72	78	
	L	-	1.00	1.15	1.16	1.14	0.89	79	70	
	F	-	-	1.00	1.15	1.16	2.66	66	44	
SEP.	M	-	-	-	1.00	1.15	0.43	66	28	
	L	-	-	-	-	1.00	0.20	66	13	
	F	-	-	-	-	-	-	-	-	
OCT.										

CROP: Soiling Corn (Case-4)

Month	Decade	Kc Value					Ave.	ETo (mm/10 days)	ET crop (mm/10 days)	Remarks
		1st	2nd	3rd	4th	5th				
APR.	M	-	-	-	-	-	-	-	-	-
	L	-	-	-	-	-	-	-	-	-
	F	-	-	-	-	-	-	-	-	-
MAY	M	0.31	-	-	-	-	0.05	82	4	-
	L	0.33	0.31	-	-	-	0.11	90	10	-
	F	0.42	0.33	0.31	-	-	0.18	87	16	-
JUN.	M	0.75	0.42	0.33	0.31	-	0.30	87	26	-
	L	1.10	0.75	0.42	0.33	0.31	0.49	96	47	-
	F	1.16	1.10	0.75	0.42	0.33	0.68	75	51	-
JUL.	M	1.15	1.16	1.10	0.75	0.42	0.82	75	62	-
	L	1.10	1.15	1.16	1.10	0.75	0.95	83	79	-
	F	-	1.10	1.15	1.16	1.10	0.88	72	63	-
AUG.	M	-	-	1.10	1.15	1.16	0.75	72	54	-
	L	-	-	-	1.10	1.15	0.57	79	45	-
	F	-	-	-	-	1.10	0.38	66	25	-
SEP.	M	-	-	-	-	1.10	0.18	66	12	-
	L	-	-	-	-	-	-	-	-	-
	F	-	-	-	-	-	-	-	-	-
OCT.	M	-	-	-	-	-	-	-	-	-
	L	-	-	-	-	-	-	-	-	-
	F	-	-	-	-	-	-	-	-	-

Appendix E-4 Calculation of Water Requirement

CASE: A-1, A-3

***** CALCULATION OF WATER REQUIREMENT *****

(UNIT: MM)

MONTH	DAY	UNIT WATER REQUIREMENT				NET WATER REQUIREMENT				TOTAL OF NWR	G.W.R.				
		COT. 33%	PAD. 33%	MAI-1 34%	MAI-2 34%	COT. 33%	PAD. 33%	MAI-1 34%	MAI-2 34%						
JAN.	F	-	-	-	-	-	-	-	-	10	11	32	53		
	M	-	-	-	-	-	-	-	-	9	8	29	48		
	L	-	-	-	-	-	-	-	-	9	5	28	47		
FEB.	F	-	-	-	-	-	-	-	-	9	-	24	40		
	M	-	-	-	-	-	-	-	-	12	-	25	42		
	L	-	-	-	-	-	-	-	-	9	-	21	35		
MAR.	F	-	-	-	-	-	-	-	-	14	-	31	52		
	M	5	-	-	-	2	-	-	-	13	-	31	51		
	L	12	-	-	-	3	-	-	-	17	-	35	56		
APR.	F	23	-	-	-	9	-	-	-	10	-	33	55		
	M	26	-	-	-	7	-	-	-	8	-	37	57		
	L	31	-	-	-	13	-	-	-	-	-	33	55		
MAY	F	54	3	-	-	22	1	-	-	-	-	23	38		
	M	65	7	6	-	27	3	3	-	-	-	33	55		
	L	83	26	19	-	34	11	8	-	-	-	53	88		
JUNE	F	69	82	30	-	29	27	10	-	-	-	66	110		
	M	94	110	38	-	31	36	13	-	-	-	80	133		
	L	97	124	55	-	32	41	19	-	-	-	92	153		
JULY	F	84	86	63	-	28	28	21	-	-	-	77	128		
	M	84	87	77	-	28	29	26	-	-	-	83	138		
	L	91	97	91	-	30	32	31	-	-	-	93	155		
AUG.	F	77	86	78	-	25	28	27	-	-	-	80	133		
	M	73	86	63	-	24	28	21	-	-	-	73	122		
	L	74	95	40	-	24	31	14	-	-	-	69	115		
SEP.	F	55	76	11	-	23	31	5	-	-	-	59	98		
	M	48	72	-	-	20	30	-	-	-	-	50	83		
	L	30	46	-	-	12	19	-	-	-	-	31	52		
OCT.	F	11	17	-	-	5	7	-	-	-	-	12	20		
	M	-	-	-	-	-	-	-	-	4	4	8	15		
	L	-	-	-	-	-	-	-	-	9	10	19	32		
NOV.	F	-	-	-	-	-	-	-	-	10	11	21	35		
	M	-	-	-	-	-	-	-	-	12	13	27	45		
	L	-	-	-	-	-	-	-	-	14	15	34	57		
DEC.	F	-	-	-	-	-	-	-	-	10	10	27	45		
	M	-	-	-	-	-	-	-	-	9	9	26	43		
	L	-	-	-	-	-	-	-	-	9	10	30	50		
TOTAL	1206	1100	573	-	498	246	406	434	362	198	-	202	106	1490	2482

NOTE: COT.=COTTON, PAD.=PADDY, MAI-1=FULL TERM MAIZE, MAI-2=GREEN CUT MAIZE, BER-4=FULL TERM BERSEEM, BER-2=CATCH CROP BERSEEM, WHE.=WHEAT, NWR=NET WATER REQUIREMENT, GWR=GROSS WATER REQUIREMENT

CASE: A-2 ***** CALCULATION OF WATER REQUIREMENT ***** (UNIT: MM)

MONTH	UNIT WATER REQUIREMENT				NET WATER REQUIREMENT				TOT. OF NWR	G.M.R.						
	COT.	PAD.	MAI-1	MAI-2	BER-4	BER-2	WHE.	COT. 23%			PAD. 23%	MAI-1 22%	MAI-2 0%	BER-4 33%	BER-2 34%	WHE. 33%
JAN. F	-	-	-	-	25	27	-	-	-	-	10	11	11	11	32	53
JAN. M	-	-	-	-	23	29	-	-	-	-	9	6	6	12	29	46
JAN. L	-	-	-	-	23	33	-	-	-	-	9	5	5	14	26	47
FEB. F	-	-	-	-	33	36	-	-	-	-	9	-	-	15	24	40
FEB. M	-	-	-	-	28	32	-	-	-	-	12	-	-	12	25	42
FEB. L	-	-	-	-	22	30	-	-	-	-	9	-	-	12	21	35
MAR. F	-	-	-	-	33	42	-	-	-	-	14	-	-	17	31	52
MAR. M	5	-	-	-	32	38	1	-	-	-	13	-	-	16	30	50
MAR. L	12	-	-	-	41	31	3	-	-	-	17	-	-	13	33	55
APR. F	23	-	-	-	37	21	7	-	-	-	15	-	-	9	31	52
APR. M	26	-	-	-	19	7	7	-	-	-	8	-	-	3	18	30
APR. L	31	-	-	-	-	-	9	-	-	-	-	-	-	9	15	15
MAY F	34	3	-	-	-	-	-	16	1	-	-	-	-	-	17	28
MAY M	65	7	8	-	-	-	-	19	2	2	-	-	-	-	23	38
MAY L	83	26	19	-	-	-	-	24	7	5	-	-	-	-	36	60
JUNE F	89	82	30	-	-	-	-	20	19	7	-	-	-	-	46	77
JUNE M	94	110	38	-	-	-	-	22	25	8	-	-	-	-	53	92
JUNE L	97	124	55	-	-	-	-	22	29	12	-	-	-	-	63	105
JULY F	84	86	63	-	-	-	-	19	20	14	-	-	-	-	53	88
JULY M	84	87	77	-	-	-	-	19	20	17	-	-	-	-	56	93
JULY L	91	97	91	-	-	-	-	21	22	20	-	-	-	-	63	105
AUG. F	77	86	78	-	-	-	-	18	20	17	-	-	-	-	55	92
AUG. M	73	86	63	-	-	-	-	17	20	14	-	-	-	-	51	85
AUG. L	74	95	40	-	-	-	-	17	22	9	-	-	-	-	48	80
SEP. F	55	76	11	-	-	-	-	16	22	3	-	-	-	-	41	68
SEP. M	48	72	-	-	-	-	-	14	21	-	-	-	-	-	35	58
SEP. L	30	46	-	-	-	-	-	9	15	-	-	-	-	-	22	37
OCT. F	11	17	-	-	-	-	-	3	5	-	-	-	-	-	8	13
OCT. M	-	-	-	-	10	10	-	-	-	-	-	-	-	-	8	13
OCT. L	-	-	-	-	23	23	-	-	-	-	-	-	-	-	19	32
NOV. F	-	-	-	-	33	35	-	-	-	-	-	-	-	-	21	35
NOV. M	-	-	-	-	30	30	6	-	-	-	-	-	-	-	27	45
NOV. L	-	-	-	-	35	35	13	-	-	-	-	-	-	-	34	57
DEC. F	-	-	-	-	24	24	16	-	-	-	-	-	-	-	27	45
DEC. M	-	-	-	-	22	22	19	-	-	-	-	-	-	-	26	43
DEC. L	-	-	-	-	23	23	26	-	-	-	-	-	-	-	30	50
TOTAL	1206	1300	573	-	498	246	406	303	268	128	-	202	106	168	1175	1958

NOTE: COT.=COTTON, PAD.=PADDY, MAI-1=FULL TERM MAIZE, MAI-2=GREEN CUT MAIZE, BER-4=FULL TERM BERSEEM, BER-2=CATCH CROP BERSEEM, WHE.=WHEAT, NWR=NET WATER REQUIREMENT, GWR=GROSS WATER REQUIREMENT

CASE: A-4 ***** CALCULATION OF WATER REQUIREMENT ***** (UNITS: MM)

	***** UNIT WATER REQUIREMENT *****				***** NET WATER REQUIREMENT *****				***** TOTAL OF NWR G.W.R. *****						
	COT.	PAD.	MAI-1	MAI-2	BER-2	BER-4	WHE.	COT.	PAD.	MAI-1	MAI-2	BER-2	BER-4	WHE.	G.W.R.
								29 %	29 %	0 %	33 %	34 %	33 %		
JAN.	F	-	-	-	25	25	27	-	-	-	10	11	11	11	32
	M	-	-	-	23	16	29	-	-	-	9	8	12	12	29
	L	-	-	-	23	11	33	-	-	-	9	5	14	14	28
FEB.	F	-	-	-	23	-	36	-	-	-	9	-	15	15	24
	M	-	-	-	28	-	32	-	-	-	12	-	13	25	
	L	-	-	-	22	-	30	-	-	-	9	-	12	21	
MAR.	F	-	-	-	33	-	42	-	-	-	14	-	17	31	
	M	5	-	-	32	-	38	2	-	-	13	-	16	31	
	L	12	-	-	41	-	31	4	-	-	17	-	13	34	
APR.	F	23	-	-	37	-	21	6	-	-	15	-	9	32	
	M	26	-	-	19	-	7	9	-	-	8	-	3	20	
	L	31	-	-	-	-	-	11	-	-	-	-	-	11	
MAY	F	34	3	-	-	-	-	20	1	-	-	-	-	21	
	M	65	7	8	-	-	-	24	3	-	-	-	-	30	
	L	83	26	19	-	-	-	30	9	7	-	-	-	46	
JUNE	F	89	82	30	-	-	-	26	24	6	-	-	-	58	
	M	94	110	38	-	-	-	27	32	11	-	-	-	70	
	L	97	124	55	-	-	-	28	36	15	-	-	-	79	
JULY	F	84	66	63	-	-	-	24	25	16	-	-	-	67	
	M	84	87	77	-	-	-	24	25	22	-	-	-	71	
	L	91	97	91	-	-	-	26	28	25	-	-	-	79	
AUG.	F	77	86	78	-	-	-	22	25	22	-	-	-	69	
	M	73	86	63	-	-	-	21	25	18	-	-	-	64	
	L	74	95	40	-	-	-	21	28	11	-	-	-	60	
SEP.	F	53	76	11	-	-	-	20	28	4	-	-	-	52	
	M	48	72	-	-	-	-	17	26	-	-	-	-	43	
	L	30	46	-	-	-	-	11	17	-	-	-	-	28	
OCT.	F	11	17	-	-	-	-	4	6	-	-	-	-	10	
	M	-	-	-	10	10	-	-	-	-	4	4	-	8	
	L	-	-	-	23	23	-	-	-	-	9	10	-	19	
NOV.	F	-	-	-	25	25	-	-	-	-	10	11	-	21	
	M	-	-	-	30	30	6	-	-	-	12	13	2	27	
	L	-	-	-	35	35	13	-	-	-	14	15	3	34	
DEC.	F	-	-	-	24	24	16	-	-	-	10	10	7	27	
	M	-	-	-	22	22	19	-	-	-	9	9	8	26	
	L	-	-	-	23	23	26	-	-	-	9	10	11	30	
TOTAL		1206	1100	573	498	246	406	379	338	164	202	106	168	1357	2265

NOTE: COT.=COTTON, PAD.=PADDY, MAI-1=FULL TERM MAIZE, MAI-2=GREEN CUT MAIZE, BER-2=FULL TERM BERSEEM, BER-4=CATCH CROP BERSEEM, WHE.=WHEAT, NWR=NET WATER REQUIREMENT, GWR=GROSS WATER REQUIREMENT

CASE: 8-1, 8-3
 ***** CALCULATION OF WATER REQUIREMENT ***** (UNIT: MM)

***** UNIT WATER REQUIREMENT *****		***** NET WATER REQUIREMENT *****		***** COT. *****		***** PAD. *****		***** MAI-1 *****		***** MAI-2 *****		***** BER-4 *****		***** BER-2 *****		***** WHE. *****		***** TOTAL *****					
COT.	PAD.	MAI-1	MAI-2	BER-4	BER-2	WHE.	COT.	PAD.	MAI-1	MAI-2	BER-4	BER-2	WHE.	COT.	PAD.	MAI-1	MAI-2	BER-4	BER-2	WHE.	TOTAL		
							33 %	33 %	34 %	34 %	0 %	33 %	34 %	34 %	34 %						OF NWR	G.W.R.	
JAN.	F	-	-	-	25	27	-	-	-	-	-	10	11	11	-	-	-	-	-	-	32	53	
	M	-	-	-	23	24	-	-	-	-	-	9	8	12	-	-	-	-	-	-	29	48	
	L	-	-	-	23	33	-	-	-	-	-	9	3	14	-	-	-	-	-	-	28	47	
FEB.	F	-	-	-	23	36	-	-	-	-	-	9	-	15	-	-	-	-	-	-	24	40	
	M	-	-	-	28	32	-	-	-	-	-	12	-	13	-	-	-	-	-	-	25	42	
	L	-	-	-	22	30	-	-	-	-	-	9	-	12	-	-	-	-	-	-	21	35	
MAR.	F	-	-	-	33	42	-	-	-	-	-	14	-	17	-	-	-	-	-	-	31	52	
	M	5	-	-	32	38	2	-	-	-	-	13	-	16	-	-	-	-	-	-	31	52	
	L	12	-	-	41	31	5	-	-	-	-	17	-	15	-	-	-	-	-	-	35	58	
APR.	F	23	-	-	37	21	9	-	-	-	-	15	-	9	-	-	-	-	-	-	33	55	
	M	26	-	-	19	7	11	-	-	-	-	8	-	3	-	-	-	-	-	-	22	37	
	L	31	-	-	-	-	13	-	-	-	-	-	-	-	-	-	-	-	-	-	13	22	
MAY	F	54	3	8	-	-	22	1	3	-	-	-	-	-	-	-	-	-	-	-	26	43	
	M	65	7	17	-	-	27	3	7	-	-	-	-	-	-	-	-	-	-	-	37	62	
	L	83	26	32	-	-	34	11	14	-	-	-	-	-	-	-	-	-	-	-	59	98	
JUNE	F	89	82	38	-	-	39	27	13	-	-	-	-	-	-	-	-	-	-	-	69	115	
	M	94	110	53	-	-	31	36	19	-	-	-	-	-	-	-	-	-	-	-	86	143	
	L	97	124	73	-	-	32	41	25	-	-	-	-	-	-	-	-	-	-	-	98	163	
JULY	F	84	86	77	-	-	28	28	26	-	-	-	-	-	-	-	-	-	-	-	82	137	
	M	84	87	83	-	-	28	29	28	-	-	-	-	-	-	-	-	-	-	-	85	142	
	L	91	97	90	-	-	30	32	31	-	-	-	-	-	-	-	-	-	-	-	93	155	
AUG.	F	77	86	63	-	-	25	28	21	-	-	-	-	-	-	-	-	-	-	-	74	123	
	M	73	86	37	-	-	24	28	13	-	-	-	-	-	-	-	-	-	-	-	65	108	
	L	74	95	13	-	-	24	31	4	-	-	-	-	-	-	-	-	-	-	-	59	98	
SEP.	F	55	76	-	-	-	23	31	-	-	-	-	-	-	-	-	-	-	-	-	54	90	
	M	48	72	-	-	-	20	30	-	-	-	-	-	-	-	-	-	-	-	-	50	83	
	L	30	46	-	-	-	12	19	-	-	-	-	-	-	-	-	-	-	-	-	31	52	
OCT.	F	11	17	-	-	-	5	7	-	-	-	-	-	-	-	-	-	-	-	-	12	20	
	M	-	-	-	10	10	-	-	-	-	-	4	4	-	-	-	-	-	-	-	8	13	
	L	-	-	-	23	23	-	-	-	-	-	9	10	-	-	-	-	-	-	-	19	32	
NOV.	F	-	-	-	25	25	-	-	-	-	-	10	11	-	-	-	-	-	-	-	21	35	
	M	-	-	-	30	30	6	-	-	-	-	12	13	2	-	-	-	-	-	-	27	45	
	L	-	-	-	35	35	13	-	-	-	-	14	15	3	-	-	-	-	-	-	34	57	
DEC.	F	-	-	-	24	24	16	-	-	-	-	10	10	7	-	-	-	-	-	-	27	45	
	M	-	-	-	22	22	19	-	-	-	-	9	9	8	-	-	-	-	-	-	26	43	
	L	-	-	-	23	23	26	-	-	-	-	9	10	11	-	-	-	-	-	-	30	50	
TOTAL		1206	1100	586	498	246	406	382	204	-	202	106	168	1496	2493								

NOTE: COT.=COTTON. PAD.=PADDY. MAI-1=FULL TERM MAIZE, MAI-2=GREEN CUT MAIZE, BER-4=FULL TERM BERSEEM, BER-2=CATCH CROP BERSEEM, WHE.=WHEAT. NWR=NET WATER REQUIREMENT, GWR=GROSS WATER REQUIREMENT.

CASE: B-2 ***** CALCULATION OF WATER REQUIREMENT ***** (UNITS: MM)

MONTH	DAY	UNIT WATER REQUIREMENT				NET WATER REQUIREMENT				COT. 21%	PAD. 22%	MAI-1 22%	MAI-2 33%			BER-2 34%	WHE. 35%	TOTAL OF NWR	G.W.R.
		PAD.	MAI-1	MAI-2	BER-4	BER-2	WHE.	MAI-2	BER-4				BER-2						
JAN.	F	-	-	-	25	27	-	-	-	-	-	-	10	11	11	32	53		
	M	-	-	-	23	29	-	-	-	-	-	-	9	8	12	29	48		
	L	-	-	-	23	33	-	-	-	-	-	-	9	5	14	28	47		
FEB.	F	-	-	-	23	36	-	-	-	-	-	-	9	-	15	24	40		
	M	-	-	-	28	32	-	-	-	-	-	-	12	-	13	25	42		
	L	-	-	-	22	30	-	-	-	-	-	-	9	-	12	21	35		
MAR.	F	-	-	-	33	42	-	-	-	-	-	-	14	-	17	31	52		
	M	5	-	-	32	38	1	-	-	-	-	-	13	-	16	30	50		
	L	12	-	-	41	31	3	-	-	-	-	-	17	-	13	33	55		
APR.	F	23	-	-	37	21	6	-	-	-	-	-	15	-	9	30	50		
	M	26	-	-	19	7	7	-	-	-	-	-	8	-	3	18	30		
	L	31	-	-	-	-	8	-	-	-	-	-	-	-	8	13	30		
MAY	F	34	3	6	-	-	14	1	2	-	-	-	-	-	-	17	28		
	M	63	7	17	-	-	17	2	3	-	-	-	-	-	-	24	40		
	L	83	26	32	-	-	22	7	9	-	-	-	-	-	-	38	63		
JUNE	F	89	82	38	-	-	19	18	8	-	-	-	-	-	-	45	75		
	M	94	110	55	-	-	20	24	12	-	-	-	-	-	-	56	93		
	L	97	124	73	-	-	20	27	16	-	-	-	-	-	-	63	105		
JULY	F	84	86	77	-	-	18	19	17	-	-	-	-	-	-	54	90		
	M	84	87	83	-	-	18	19	18	-	-	-	-	-	-	55	92		
	L	91	97	90	-	-	19	21	20	-	-	-	-	-	-	60	100		
AUG.	F	77	86	63	-	-	16	19	14	-	-	-	-	-	-	49	82		
	M	73	84	37	-	-	15	19	8	-	-	-	-	-	-	42	70		
	L	74	95	13	-	-	16	21	3	-	-	-	-	-	-	40	67		
SEP.	F	55	76	-	-	-	14	21	8	-	-	-	-	-	-	35	58		
	M	48	72	-	-	-	13	20	10	-	-	-	-	-	-	33	55		
	L	30	48	-	-	-	8	13	10	-	-	-	-	-	-	21	35		
OCT.	F	11	17	-	-	-	3	3	3	-	-	-	-	-	-	8	13		
	M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8	13		
	L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	19	32		
NOV.	F	-	-	-	-	-	-	-	-	-	-	-	-	-	-	21	35		
	M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	27	45		
	L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	34	57		
DEC.	F	-	-	-	-	-	-	-	-	-	-	-	-	-	-	27	45		
	M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	26	43		
	L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	30	50		
TOTAL		1306	1100	586	-	498	277	256	132	-	202	106	168	1141	1901				

NOTE: COT.=COTTON, PAD.=PADDY, MAI-1=FULL TERM MAIZE, MAI-2=GREEN CUT MAIZE, BER-4=FULL TERM BERSEEM, BER-2=CATCH CROP BERSEEM, WHE.=WHEAT, NWR=NET WATER REQUIREMENT, GWR=GROSS WATER REQUIREMENT

CASE: B-4

***** CALCULATION OF WATER REQUIREMENT *****

(UNIT: MM)

MONTH	UNIT WATER REQUIREMENT			NET WATER REQUIREMENT			*****			TOTAL OF NWR	G.W.R.		
	COT. PAD.	MAI-1	MAI-2	BER-4	BER-2	WHE.	COT. PAD.	MAI-1	MAI-2			BER-4	BER-2
							27 %	27 %	28 %	0 %	33 %	34 %	33 %
JAN. F	-	-	-	25	25	27	-	-	-	10	11	-	11
JAN. M	-	-	-	23	18	29	-	-	-	9	8	-	12
JAN. L	-	-	-	23	11	33	-	-	-	9	5	-	14
FEB. F	-	-	-	23	-	36	-	-	-	9	-	-	15
FEB. M	-	-	-	28	-	32	-	-	-	12	-	-	13
FEB. L	-	-	-	22	-	30	-	-	-	9	-	-	12
MAR. F	-	-	-	33	-	42	-	-	-	14	-	-	17
MAR. M	5	-	-	32	-	38	2	-	-	13	-	-	16
MAR. L	12	-	-	41	-	31	4	-	-	17	-	-	13
APR. F	23	-	-	37	-	21	8	-	-	15	-	-	9
APR. M	26	-	-	19	-	7	9	-	-	8	-	-	3
APR. L	31	-	-	-	-	-	10	-	-	-	-	-	-
MAY F	54	3	8	-	-	-	18	1	3	-	-	-	-
MAY M	63	7	17	-	-	-	22	2	6	-	-	-	-
MAY L	83	26	32	-	-	-	28	9	11	-	-	-	-
JUNE F	89	82	38	-	-	-	24	22	11	-	-	-	-
JUNE M	94	110	55	-	-	-	25	30	19	-	-	-	-
JUNE L	97	124	73	-	-	-	26	33	20	-	-	-	-
JULY F	84	86	77	-	-	-	23	23	22	-	-	-	-
JULY M	84	87	83	-	-	-	23	23	23	-	-	-	-
JULY L	91	97	90	-	-	-	23	26	25	-	-	-	-
AUG. F	77	86	63	-	-	-	21	23	18	-	-	-	-
AUG. M	73	86	37	-	-	-	20	23	10	-	-	-	-
AUG. L	74	95	13	-	-	-	20	26	4	-	-	-	-
SEP. F	53	76	-	-	-	-	19	26	-	-	-	-	-
SEP. M	48	72	-	-	-	-	16	24	-	-	-	-	-
SEP. L	30	46	-	-	-	-	10	16	-	-	-	-	-
OCT. F	11	17	-	-	-	-	4	6	-	-	-	-	-
OCT. M	-	-	-	10	10	-	-	-	-	4	4	-	-
OCT. L	-	-	-	23	23	-	-	-	-	9	10	-	-
NOV. F	-	-	-	25	25	-	-	-	-	10	11	-	-
NOV. M	-	-	-	30	30	6	-	-	-	12	13	2	-
NOV. L	-	-	-	35	35	13	-	-	-	14	15	5	-
DEC. F	-	-	-	24	24	16	-	-	-	10	10	7	-
DEC. M	-	-	-	22	22	19	-	-	-	9	9	8	-
DEC. L	-	-	-	23	23	26	-	-	-	9	10	11	-
TOTAL	1206	1100	566	498	246	406	337	313	168	202	106	168	1314

NOTE: COT.=COTTON, PAD.=PADDY, MAI-1=FULL TERM MAIZE, MAI-2=GREEN CUT MAIZE, BER-4=FULL TERM BERSEEM, BER-2=CATCH CROP BERSEEM, WHE.=WHEAT, NWR=NET WATER REQUIREMENT, GWR=GROSS WATER REQUIREMENT

CASE: 8-4 ***** CALCULATION OF WATER REQUIREMENT ***** (UNIT: MM)

		***** UNIT WATER REQUIREMENT *****		***** COT. 27% *****		***** NET WATER REQUIREMENT *****		***** BER-2 34% *****		***** WHE. 33% *****		TOTAL OF NHR		G.M.R.			
		COT.	PAD.	MAI-1	MAI-2	BER-4	BER-2	WHE.	COT.	PAD.	MAI-1	MAI-2	BER-4	BER-2	WHE.		
									27%		26%	0%	33%	34%	33%		
JAN.	F	-	-	-	-	25	25	27	-	-	-	-	10	11	11	32	53
	M	-	-	-	-	23	18	29	-	-	-	-	9	8	12	29	48
	L	-	-	-	-	23	11	33	-	-	-	-	9	5	14	28	47
FEB.	F	-	-	-	-	23	-	36	-	-	-	-	9	-	15	24	40
	M	-	-	-	-	28	-	32	-	-	-	-	12	-	13	25	42
	L	-	-	-	-	22	-	30	-	-	-	-	9	-	12	21	35
MAR.	F	-	-	-	-	33	-	42	-	-	-	-	14	-	17	31	52
	M	5	-	-	-	32	-	38	2	-	-	-	13	-	16	31	52
	L	12	-	-	-	41	-	31	4	-	-	-	17	-	13	34	57
APR.	F	23	-	-	-	37	-	21	8	-	-	-	13	-	9	32	53
	M	26	-	-	-	19	-	7	9	-	-	-	8	-	3	20	33
	L	31	-	-	-	-	-	-	10	-	-	-	-	-	-	10	17
MAY	F	34	3	8	-	-	-	-	18	1	3	-	-	-	-	22	37
	M	65	7	17	-	-	-	-	22	2	6	-	-	-	-	30	50
	L	83	26	32	-	-	-	-	28	9	11	-	-	-	-	48	80
JUNE	F	89	62	38	-	-	-	-	24	22	11	-	-	-	-	57	95
	M	94	110	55	-	-	-	-	25	30	15	-	-	-	-	70	117
	L	97	124	73	-	-	-	-	26	33	20	-	-	-	-	79	132
JULY	F	84	86	77	-	-	-	-	23	23	22	-	-	-	-	66	113
	M	84	87	83	-	-	-	-	23	23	23	-	-	-	-	69	115
	L	91	97	90	-	-	-	-	25	26	25	-	-	-	-	76	127
AUG.	F	77	86	63	-	-	-	-	21	23	18	-	-	-	-	62	103
	M	73	86	37	-	-	-	-	20	23	10	-	-	-	-	53	88
	L	74	95	13	-	-	-	-	20	26	4	-	-	-	-	50	83
SEP.	F	55	76	-	-	-	-	-	19	26	-	-	-	-	-	45	75
	M	48	72	-	-	-	-	-	16	24	-	-	-	-	-	40	67
	L	30	48	-	-	-	-	-	10	16	-	-	-	-	-	26	43
OCT.	F	11	17	-	-	-	-	-	4	6	-	-	-	-	-	10	17
	M	-	-	-	-	10	10	-	-	-	-	-	4	4	8	13	18
	L	-	-	-	-	23	23	-	-	-	-	-	9	10	19	32	32
NOV.	F	-	-	-	-	25	25	-	-	-	-	-	10	11	-	21	35
	M	-	-	-	-	30	30	6	-	-	-	-	12	13	2	27	45
	L	-	-	-	-	35	35	13	-	-	-	-	14	15	5	34	57
DEC.	F	-	-	-	-	24	24	16	-	-	-	-	10	10	7	27	43
	M	-	-	-	-	22	22	19	-	-	-	-	9	9	6	26	43
	L	-	-	-	-	23	23	26	-	-	-	-	9	10	11	30	50
TOTAL		1206	1100	586	-	498	246	406	357	313	168	-	202	106	168	1314	2191

NOTE: COT.=COTTON, PAD.=PADDY, MAI-1=FULL TERM MAIZE, MAI-2=GREEN CUT MAIZE, BER-4=FULL TERM BERSEEM, BER-2=CATCH CROP BERSEEM, WHE.=WHEAT, NHR=NET WATER REQUIREMENT, GMR=GROSS WATER REQUIREMENT

CASE: C-1, C-3 ***** CALCULATION OF WATER REQUIREMENT ***** (UNIT: MM)

MONTH	UNIT WATER REQUIREMENT			NET WATER REQUIREMENT			TOTAL OF NWR			G.W.R.				
	COT. 33%	MAI-1 34%	BER-2 33%	COT. 33%	MAI-1 34%	BER-2 33%	MAI-1 34%	BER-2 33%	BER-4 33%					
JAN. F	-	-	25	-	-	10	11	11	32	53				
JAN. M	-	-	23	-	-	9	8	12	29	48				
JAN. L	-	-	23	-	-	9	5	14	28	47				
FEB. F	-	-	23	-	-	9	-	15	24	40				
FEB. M	-	-	28	-	-	12	-	25	25	42				
FEB. L	-	-	22	-	-	9	-	21	21	35				
MAR. F	-	-	33	-	-	14	-	17	31	52				
MAR. M	5	-	32	2	-	13	-	16	31	52				
MAR. L	12	-	41	5	-	17	-	15	35	58				
APR. F	23	-	37	9	-	15	-	9	33	55				
APR. M	26	-	19	7	-	6	-	3	22	37				
APR. L	31	-	-	13	-	-	-	-	13	22				
MAY F	54	3	-	22	1	-	-	-	23	38				
MAY M	65	7	-	27	3	-	-	-	30	50				
MAY L	83	26	9	34	11	4	-	-	49	82				
JUNE F	89	82	18	29	27	6	-	-	62	103				
JUNE M	94	110	30	31	36	10	-	-	77	128				
JUNE L	97	124	36	32	41	13	-	-	86	143				
JULY F	84	86	47	28	28	16	-	-	72	120				
JULY M	84	87	63	26	29	21	-	-	78	130				
JULY L	91	97	85	30	32	29	-	-	91	152				
AUG. F	77	86	79	25	28	27	-	-	80	133				
AUG. M	73	86	78	24	28	27	-	-	79	132				
AUG. L	74	95	70	24	31	24	-	-	79	132				
SEP. F	55	76	34	23	31	14	-	-	68	113				
SEP. M	48	72	11	20	30	5	-	-	55	92				
SEP. L	30	46	-	12	19	-	-	-	31	52				
OCT. F	11	17	-	5	7	-	-	-	12	20				
OCT. M	-	-	10	-	-	4	4	-	8	13				
OCT. L	-	-	23	-	-	9	10	-	19	32				
NOV. F	-	-	25	-	-	10	11	-	21	35				
NOV. M	-	-	30	-	-	12	13	2	27	45				
NOV. L	-	-	35	-	-	14	15	5	34	57				
DEC. F	-	-	24	-	-	10	10	7	27	45				
DEC. M	-	-	22	-	-	9	9	6	26	43				
DEC. L	-	-	23	-	-	9	10	11	30	50				
TOTAL	1206	1100	562	498	246	406	434	382	196	202	106	168	1468	2481

NOTE: COT.=COTTON, PAD.=PADDY, MAI-1=FULL TERM MAIZE, MAI-2=GREEN CUT MAIZE, BER-4=FULL TERM BERSEEM, BER-2=CATCH CROP BERSEEM, WHE.=WHEAT, NWR=NET WATER REQUIREMENT, GWR=GROSS WATER REQUIREMENT

CASE: C-2

***** CALCULATION OF WATER REQUIREMENT *****

(UNIT: MM)

COY.	UNIT WATER REQUIREMENT				NET WATER REQUIREMENT				TOTAL OF NUR	G.W.R.				
	MAI-1	MAI-2	BER-4	BER-2	WHE.	COT. 24%	PAD. 25%	MAI-1 24%			MAI-2 33%	BER-4 34%	BER-2 33%	WHE. 33%
JAN.	-	-	-	25	27	-	-	-	10	11	11	11	32	53
	-	-	-	23	18	-	-	-	-	8	8	12	29	48
	-	-	-	23	11	33	-	-	9	5	14	14	28	47
FEB.	-	-	-	23	-	36	-	-	9	-	15	15	24	40
	-	-	-	28	32	-	-	-	12	-	13	13	25	42
	-	-	-	22	30	-	-	-	9	-	12	12	21	35
MAR.	-	-	-	33	42	-	-	-	14	-	17	17	31	52
	5	-	-	32	38	1	-	-	13	-	14	14	30	50
	12	-	-	41	31	4	-	-	17	-	13	13	34	57
APR.	23	-	-	37	21	7	-	-	15	-	9	9	31	52
	26	-	-	19	7	8	-	-	8	-	3	3	19	32
	31	-	-	-	-	9	-	-	-	-	-	-	9	15
MAY	34	3	-	-	-	16	1	-	-	-	-	-	17	28
	65	7	-	-	-	19	2	-	-	-	-	-	21	35
	65	26	9	-	-	25	8	3	-	-	-	-	36	60
JUNE	89	82	18	-	-	21	21	4	-	-	-	-	46	77
	94	110	30	-	-	23	28	7	-	-	-	-	58	97
	97	124	38	-	-	23	31	9	-	-	-	-	63	105
JULY	84	86	47	-	-	20	22	11	-	-	-	-	33	88
	84	67	63	-	-	20	22	15	-	-	-	-	37	93
	91	97	85	-	-	22	24	20	-	-	-	-	66	110
AUG.	77	86	79	-	-	18	22	19	-	-	-	-	59	98
	73	86	78	-	-	18	22	19	-	-	-	-	59	98
	74	95	70	-	-	18	24	17	-	-	-	-	59	98
SEP.	55	76	34	-	-	16	24	10	-	-	-	-	30	83
	48	72	11	-	-	14	22	3	-	-	-	-	39	65
	30	46	-	-	-	9	14	-	-	-	-	-	23	38
OCT.	11	17	-	-	-	3	3	3	-	-	-	-	8	13
	-	-	-	10	10	-	-	-	-	4	4	-	8	13
	-	-	-	23	23	-	-	-	-	9	10	-	19	32
NOV.	-	-	-	25	25	-	-	-	-	10	11	-	21	35
	-	-	-	30	30	6	-	-	-	12	13	3	27	45
	-	-	-	35	35	13	-	-	-	14	15	5	34	57
DEC.	-	-	-	24	24	16	-	-	-	10	10	7	27	45
	-	-	-	22	22	19	-	-	-	9	9	8	26	43
	-	-	-	23	23	26	-	-	-	9	10	11	30	50
TOTAL	1206	1100	562	498	246	406	314	292	137	202	106	168	1219	2031

NOTE: COT.=COTTON, PAD.=PADDY, MAI-1=FULL TERM MAIZE, MAI-2=GREEN CUT MAIZE, BER-4=FULL TERM BERSEM, BER-2=CATCH CROP BERSEM, WHE.=WHEAT, NURNEY WATER REQUIREMENT, GWR=GROSS WATER REQUIREMENT

FOSS לייבוי מים 5" א"ע (SRWATER3 000260)

פיקס לייבוי מים 5.00(H)

פיקס לייבוי מים 5.00(H)

CASE: C-4 ***** CALCULATION OF WATER REQUIREMENT *****

(UNIT: MM)

	***** UNIT WATER REQUIREMENT *****			***** NET WATER REQUIREMENT *****			***** TOTAL OF NHR *****								
	COT.	PAD.	MAI-1	MAI-2	BER-4	BER-2	WHE.	COT.	PAD.	MAI-1	MAI-2	BER-4	BER-2	WHE.	TOTAL
								31 %	31 %	31 %	0 %	33 %	34 %	33 %	OF NHR
JAN.	F	-	-	-	23	25	27	-	-	-	-	10	11	11	32
	M	-	-	-	23	18	29	-	-	-	-	9	6	12	29
	L	-	-	-	23	11	33	-	-	-	-	9	5	14	28
FEB.	F	-	-	-	23	-	26	-	-	-	-	9	-	15	24
	M	-	-	-	26	-	32	-	-	-	-	12	-	13	25
	L	-	-	-	22	-	30	-	-	-	-	9	-	12	21
MAR.	F	-	-	-	33	-	42	-	-	-	-	14	-	17	31
	M	5	-	-	32	-	38	2	-	-	-	13	-	16	31
	L	12	-	-	41	-	31	3	-	-	-	17	-	13	35
APR.	F	23	-	-	37	-	21	9	-	-	-	13	-	9	33
	M	26	-	-	19	-	7	10	-	-	-	8	-	3	21
	L	31	-	-	-	-	-	12	-	-	-	-	-	12	33
MAY	F	54	3	-	-	-	-	21	1	-	-	-	-	-	22
	M	65	7	-	-	-	-	3	3	-	-	-	-	-	28
	L	83	26	-	-	-	-	10	10	-	-	-	-	-	47
JUNE	F	89	62	-	-	-	-	28	25	6	-	-	-	-	59
	M	94	110	-	-	-	-	29	34	9	-	-	-	-	72
	L	97	124	-	-	-	-	30	38	12	-	-	-	-	80
JULY	F	84	66	47	-	-	-	26	27	15	-	-	-	-	68
	M	84	87	63	-	-	-	26	27	20	-	-	-	-	73
	L	91	97	85	-	-	-	28	30	26	-	-	-	-	84
AUG.	F	77	86	79	-	-	-	24	27	24	-	-	-	-	75
	M	73	86	78	-	-	-	23	27	24	-	-	-	-	74
	L	74	95	70	-	-	-	23	29	22	-	-	-	-	74
SEP.	F	55	76	34	-	-	-	21	28	13	-	-	-	-	63
	M	48	72	11	-	-	-	19	28	4	-	-	-	-	51
	L	30	46	-	-	-	-	12	18	-	-	-	-	-	30
OCT.	F	11	17	-	-	-	-	4	7	-	-	-	-	-	11
	M	-	-	-	10	10	-	-	-	-	-	4	4	-	8
	L	-	-	-	23	23	-	-	-	-	-	9	10	-	19
NOV.	F	-	-	-	23	23	-	-	-	-	-	10	11	-	21
	M	-	-	-	30	30	6	-	-	-	-	12	13	2	27
	L	-	-	-	35	35	13	-	-	-	-	14	15	5	34
DEC.	F	-	-	-	24	24	16	-	-	-	-	10	10	7	27
	M	-	-	-	22	22	19	-	-	-	-	9	9	8	26
	L	-	-	-	23	23	26	-	-	-	-	9	10	11	30
TOTAL		1206	1100	562	498	246	406	409	360	178	-	202	106	168	1423

NOTE: COT.=COTTON, PAD.=PADDY, MAI-1=FULL TERM MAIZE, MAI-2=GREEN CUT MAIZE, BER-4=FULL TERM BERSEEM, BER-2=CATCH CROP BERSEEM, WHE.=WHEAT, NHR=NET WATER REQUIREMENT, CWR=GROSS WATER REQUIREMENT

CASE: D-1, 0-3 ***** CALCULATION OF WATER REQUIREMENT ***** (UNIT: MM)

***** UNIT WATER REQUIREMENT *****		***** NET WATER REQUIREMENT *****				***** TOTAL OF NWR G.M.R. *****											
COT.	PAD.	MAI-1	MAI-2	BER-4	BER-2	WHE.	COT.	PAD.	MAI-1	MAI-2	BER-4	BER-2	WHE.	TOTAL	G.M.R.		
		33 X	17 X	33 X	33 X	34 X	33 X			17 X	33 X	34 X	33 X				
JAN.	F	-	-	25	27	-	-	-	-	-	10	11	11	32	53		
	M	-	-	23	29	-	-	-	-	-	9	8	12	29	48		
	L	-	-	23	33	-	-	-	-	-	9	5	14	28	47		
FEB.	F	-	-	23	36	-	-	-	-	-	9	-	15	24	40		
	M	-	-	28	32	-	-	-	-	-	12	-	13	25	42		
	L	-	-	22	30	-	-	-	-	-	9	-	12	21	35		
MAR.	F	-	-	32	42	-	-	-	-	-	14	-	17	31	52		
	M	5	-	32	38	2	-	-	-	-	13	-	16	31	52		
	L	12	-	41	31	5	-	-	-	-	17	-	13	33	56		
APR.	F	23	-	37	21	9	-	-	-	-	15	-	9	33	55		
	M	26	-	19	7	11	-	-	-	-	8	-	3	22	37		
	L	31	-	-	-	13	-	-	-	-	-	-	-	13	22		
MAY	F	54	3	-	-	22	1	-	-	-	-	-	-	23	36		
	M	65	7	4	-	27	3	2	1	-	-	-	-	33	55		
	L	83	26	19	10	34	11	4	2	-	-	-	-	51	85		
JUNE	F	89	82	30	16	-	27	5	3	-	-	-	-	64	107		
	M	94	110	38	26	-	31	6	4	-	-	-	-	77	128		
	L	97	124	55	47	-	32	41	9	8	-	-	-	90	159		
JULY	F	84	86	63	51	-	28	28	11	9	-	-	-	76	127		
	M	84	87	77	62	-	28	29	13	11	-	-	-	81	135		
	L	91	97	91	79	-	30	32	15	13	-	-	-	90	150		
AUG.	F	77	86	78	63	-	25	28	13	11	-	-	-	77	128		
	M	73	86	63	54	-	24	28	11	9	-	-	-	72	120		
	L	74	95	40	45	-	24	31	7	8	-	-	-	70	117		
SEP.	F	55	76	11	25	-	23	31	2	3	-	-	-	61	102		
	M	48	72	-	12	-	20	30	-	-	-	-	-	53	88		
	L	50	46	-	-	-	12	19	-	-	-	-	-	31	52		
OCT.	F	11	17	-	-	-	5	7	-	-	-	-	-	12	20		
	M	-	-	-	10	10	-	-	-	-	-	4	4	8	13		
	L	-	-	-	23	23	-	-	-	-	9	10	-	19	32		
NOV.	F	-	-	25	23	-	-	-	-	-	10	11	-	21	35		
	M	-	-	30	30	6	-	-	-	-	12	13	2	27	45		
	L	-	-	35	35	13	-	-	-	-	14	15	5	34	57		
DEC.	F	-	-	24	24	16	-	-	-	-	10	10	7	27	45		
	M	-	-	22	22	19	-	-	-	-	9	9	8	26	43		
	L	-	-	23	23	26	-	-	-	-	9	10	11	30	50		
TOTAL		1206	1100	573	474	498	246	406	434	382	98	67	202	106	160	1477	2463

NOTE: COT.=COTTON, PAD.=PADDY, MAI-1=FULL TERM MAIZE, MAI-2=GREEN CUT MAIZE, BER-4=FULL TERM BERSEEM, BER-2=CATCH CROP BERSEEM, WHE.=WHEAT, NWR=NET WATER REQUIREMENT, GWR=GROSS WATER REQUIREMENT

CASE: D-2 ***** CALCULATION OF WATER REQUIREMENT *****

(UNIT: MM)

		UNIT WATER REQUIREMENT				NET WATER REQUIREMENT				TOTAL							
		PAD. MAI-1 MAI-2 BER-4		BER-2 WHE.		COT. PAD. MAI-1 MAI-2 BER-4		BER-2 WHE.		OF NWR		G.W.R.					
		23 X 24 X 11 X 11 X		27 25 23 18 29 11 33		23 X 24 X 11 X 11 X		33 X 34 X 33 X 33 X									
JAN.	F	-	-	25	27	-	-	-	10	11	11	32	53				
	M	-	-	23	18	-	-	-	9	8	12	29	46				
	L	-	-	23	11	-	-	-	9	5	14	28	47				
FEB.	F	-	-	23	36	-	-	-	9	-	15	24	40				
	M	-	-	28	32	-	-	-	12	-	13	25	42				
	L	-	-	22	30	-	-	-	9	-	12	21	35				
MAR.	F	-	-	33	42	-	-	-	14	-	17	31	52				
	M	5	-	32	38	1	-	-	13	-	16	30	50				
	L	12	-	41	31	3	-	-	17	-	13	33	55				
APR.	F	23	-	37	21	7	-	-	15	-	9	31	52				
	M	26	-	19	7	7	-	-	8	-	3	18	30				
	L	31	-	-	-	9	-	-	-	-	-	9	15				
MAY	F	34	3	-	-	16	1	-	-	-	-	17	28				
	M	63	7	4	-	19	2	1	-	-	-	23	38				
	L	83	26	19	10	24	8	3	1	-	-	36	60				
JUNE	F	89	82	30	16	-	20	3	2	-	-	43	75				
	M	94	110	38	26	-	22	4	3	-	-	55	92				
	L	97	124	55	47	-	22	30	6	-	-	63	105				
JULY	F	84	86	63	51	-	19	21	7	6	-	53	86				
	M	84	87	77	62	-	19	21	8	7	-	55	92				
	L	91	97	91	79	-	21	23	10	9	-	63	105				
AUG.	F	77	86	78	63	-	18	21	9	7	-	55	92				
	M	73	86	63	54	-	17	21	7	6	-	51	85				
	L	74	95	40	45	-	17	23	4	5	-	49	82				
SEP.	F	55	76	11	25	-	16	23	2	3	-	44	73				
	M	48	72	-	12	-	14	22	-	2	-	38	63				
	L	50	46	-	-	-	9	14	-	-	-	23	58				
OCT.	F	11	17	-	-	-	3	3	-	-	-	8	13				
	M	-	-	10	10	-	-	-	-	4	4	8	13				
	L	-	-	23	23	-	-	-	-	9	10	19	32				
NOV.	F	-	-	25	25	-	-	-	-	10	11	21	35				
	M	-	-	30	30	6	-	-	-	12	13	27	45				
	L	-	-	35	35	13	-	-	-	14	15	34	57				
DEC.	F	-	-	24	24	16	-	-	-	10	10	27	45				
	M	-	-	22	22	19	-	-	-	9	9	26	43				
	L	-	-	23	23	26	-	-	-	9	10	30	50				
TOTAL		1206	1100	573	494	498	246	406	303	281	64	57	202	106	168	1181	1968

NOTE: COT.=COTTON. PAD.=PADDY. MAI-1=FULL TERM MAIZE, MAI-2=GREEN CUT MAIZE, BER-4=FULL TERM BERSEEM, BER-2=CATCH CROP BERSEEM, WHE.=WHEAT, NWR=NET WATER REQUIREMENT, GWR=GROSS WATER REQUIREMENT.

CASE: 0-4

***** CALCULATION OF WATER REQUIREMENT *****

(UNIT: MM)

		***** UNIT WATER REQUIREMENT *****				***** NET WATER REQUIREMENT *****				***** TOTAL OF NWR. G.M.R. *****							
		COT.	PAD.	MAI-1	MAI-2	BER-4	BER-2	WHE.	COT.	PAD.	MAI-1	MAI-2	BER-4	BER-2	WHE.	TOTAL	G.M.R.
		28 %	29 %	15 %	14 %	33 %	34 %	33 %	28 %	29 %	15 %	14 %	33 %	34 %	33 %		
JAN.	F	-	-	-	25	25	27	-	-	-	-	10	11	11	11	32	53
	M	-	-	-	23	18	29	-	-	-	-	9	8	12	29	48	48
	L	-	-	-	23	11	33	-	-	-	-	9	5	14	28	47	47
FEB.	F	-	-	-	23	-	36	-	-	-	-	9	-	-	15	24	40
	M	-	-	-	28	-	32	-	-	-	-	12	-	-	13	25	42
	L	-	-	-	22	-	30	-	-	-	-	9	-	-	12	21	35
MAR.	F	-	-	-	33	-	42	-	-	-	-	14	-	-	17	31	52
	M	3	-	-	32	-	38	2	-	-	-	13	-	-	16	31	52
	L	12	-	-	41	-	31	4	-	-	-	17	-	-	13	34	57
APR.	F	23	-	-	37	-	21	8	-	-	-	13	-	-	9	32	53
	M	26	-	-	19	-	7	9	-	-	-	8	-	-	3	20	33
	L	31	-	-	-	-	-	11	-	-	-	-	-	-	11	11	18
MAY	F	34	3	-	-	-	-	19	1	-	-	-	-	-	-	20	33
	M	63	7	8	4	-	-	23	3	1	-	-	-	-	28	47	47
	L	83	26	19	10	-	-	29	9	4	2	-	-	-	44	73	73
JUNE	F	89	62	30	16	-	-	25	24	4	2	-	-	-	53	92	92
	M	94	110	38	26	-	-	26	32	6	4	-	-	-	68	113	113
	L	97	124	55	47	-	-	27	36	8	7	-	-	-	78	130	130
JULY	F	84	86	63	51	-	-	24	25	9	7	-	-	-	65	108	108
	M	84	87	77	62	-	-	24	25	12	9	-	-	-	70	117	117
	L	91	97	91	79	-	-	25	28	14	11	-	-	-	78	130	130
AUG.	F	77	86	78	63	-	-	22	25	12	9	-	-	-	68	113	113
	M	73	86	63	54	-	-	20	25	9	8	-	-	-	62	103	103
	L	74	95	40	45	-	-	21	28	6	6	-	-	-	61	102	102
SEP.	F	53	76	11	23	-	-	19	28	2	4	-	-	-	53	88	88
	M	48	72	-	12	-	-	17	26	-	2	-	-	-	43	73	73
	L	30	46	-	-	-	-	10	17	-	-	-	-	-	27	45	45
OCT.	F	11	17	-	-	-	-	4	6	-	-	-	-	-	10	17	17
	M	-	-	-	10	10	-	-	-	-	-	4	4	-	8	13	13
	L	-	-	-	23	23	-	-	-	-	-	9	10	-	19	32	32
NOV.	F	-	-	-	25	25	-	-	-	-	-	10	11	-	21	35	35
	M	-	-	-	30	30	6	-	-	-	-	12	13	3	27	45	45
	L	-	-	-	35	35	13	-	-	-	-	14	15	3	34	57	57
DEC.	F	-	-	-	24	24	16	-	-	-	-	10	10	7	27	45	45
	M	-	-	-	22	22	19	-	-	-	-	9	9	8	26	43	43
	L	-	-	-	23	23	26	-	-	-	-	9	10	11	30	50	50
TOTAL		1206	1100	573	494	498	406	369	336	87	72	202	106	168	1342	2236	2236

NOTE: COT.=COTTON, PAD.=PADDY, MAI-1=FULL TERM MAIZE, MAI-2=GREEN CUT MAIZE, BER-4=FULL TERM BERSEEM, BER-2=CATCH CROP BERSEEM, WHE.=WHEAT, NWR=NET WATER REQUIREMENT, GWR=GROSS WATER REQUIREMENT

CASE: E-1, E-3

***** CALCULATION OF WATER REQUIREMENT *****

(UNIT: MM)

	***** UNIT WATER REQUIREMENT *****				***** NET WATER REQUIREMENT *****				***** OF NWR *****				TOTAL OF NWR	G.H.R.		
	COT.	PAD.	MAI-1	MAI-2	BER-4	BER-2	WHE.	COT.	PAD.	MAI-1	MAI-2	BER-4			BER-2	WHE.
	33 %	33 %	17 %	17 %	33 %	33 %	17 %	33 %	33 %	17 %	17 %	33 %	33 %	33 %		
JAN. F	-	-	-	-	25	25	27	-	-	-	-	10	11	11	32	53
M	-	-	-	-	23	18	29	-	-	-	-	9	8	12	29	48
L	-	-	-	-	23	11	33	-	-	-	-	9	5	14	28	47
FEB. F	-	-	-	-	23	-	36	-	-	-	-	9	-	13	24	40
M	-	-	-	-	28	-	32	-	-	-	-	12	-	13	25	42
L	-	-	-	-	22	-	30	-	-	-	-	9	-	12	21	35
MAR. F	-	-	-	-	33	-	42	-	-	-	-	14	-	17	31	52
M	5	-	-	-	32	-	36	2	-	-	-	13	-	16	31	52
L	12	-	-	-	41	-	31	5	-	-	-	17	-	13	35	58
APR. F	23	-	-	-	37	-	21	9	-	-	-	15	-	9	32	55
M	26	-	-	-	19	-	7	11	-	-	-	8	-	3	22	37
L	31	-	-	-	-	-	-	13	-	-	-	-	-	-	13	22
MAY F	54	3	8	-	-	-	-	22	1	2	-	-	-	-	25	42
M	65	7	17	4	-	-	-	27	3	4	1	-	-	-	35	58
L	83	26	32	10	-	-	-	34	11	7	2	-	-	-	54	90
JUNE F	89	82	38	16	-	-	-	29	27	6	3	-	-	-	65	108
M	94	110	55	26	-	-	-	31	36	9	4	-	-	-	80	133
L	97	124	73	47	-	-	-	32	41	12	8	-	-	-	93	155
JULY F	84	86	77	51	-	-	-	28	28	13	9	-	-	-	78	130
M	84	87	83	62	-	-	-	28	29	14	11	-	-	-	82	137
L	91	97	90	79	-	-	-	30	32	15	13	-	-	-	90	150
AUG. F	77	86	63	63	-	-	-	25	28	11	11	-	-	-	75	125
M	73	86	37	54	-	-	-	24	28	6	9	-	-	-	67	112
L	74	95	13	45	-	-	-	24	31	2	8	-	-	-	65	108
SEP. F	55	76	-	25	-	-	-	23	31	-	5	-	-	-	59	98
M	48	72	-	12	-	-	-	20	30	-	3	-	-	-	53	88
L	30	46	-	-	-	-	-	12	19	-	-	-	-	-	31	52
OCT. F	11	17	-	-	-	-	-	5	7	-	-	-	-	-	12	20
M	-	-	-	-	10	10	-	-	-	-	-	4	4	-	8	13
L	-	-	-	-	23	23	-	-	-	-	-	9	10	-	19	32
NOV. F	-	-	-	-	25	23	-	-	-	-	-	10	11	-	21	35
M	-	-	-	-	30	30	6	-	-	-	-	12	13	2	27	43
L	-	-	-	-	35	35	15	-	-	-	-	14	15	3	34	57
DEC. F	-	-	-	-	24	24	16	-	-	-	-	10	10	7	27	43
M	-	-	-	-	22	22	19	-	-	-	-	9	9	8	26	43
L	-	-	-	-	23	23	26	-	-	-	-	9	10	11	30	50
TOTAL	1206	1100	586	494	498	246	406	434	382	101	87	202	106	168	1480	2467

NOTE: COT.=COTTON, PAD.=PADDY, MAI-1=FULL TERM MAIZE, MAI-2=GREEN CUT MAIZE, BER-4=FULL TERM BERSEEM, BER-2=CATCH CROP BERSEEM, WHE.=WHEAT, NWR=NET WATER REQUIREMENT, GWR=GROSS WATER REQUIREMENT

CASE: E-2 ***** CALCULATION OF WATER REQUIREMENT ***** (UNIT: MM)

MONTH	DAY	UNIT WATER REQUIREMENT				NET WATER REQUIREMENT				COT. 22%	PAD. 23%	CROSS WATER REQUIREMENT				TOTAL OF NWR	G.W.R.
		MAI-1	MAI-2	BER-4	BER-2	MAI-1	MAI-2	BER-4	BER-2			MAI-1	MAI-2	BER-4	BER-2		
JAN.	F	-	-	25	25	-	-	-	-	-	-	10	11	11	32	53	
	M	-	-	23	18	-	-	-	-	-	-	9	8	12	29	48	
	L	-	-	23	11	-	-	-	-	-	-	9	5	14	28	47	
FEB.	F	-	-	23	-	-	-	-	-	-	-	9	-	13	24	40	
	M	-	-	28	-	-	-	-	-	-	-	12	-	12	25	42	
	L	-	-	22	-	-	-	-	-	-	-	9	-	12	21	35	
MAR.	F	-	-	33	-	-	-	-	-	-	-	14	-	17	31	52	
	M	5	-	32	-	-	-	-	-	-	-	15	-	16	30	50	
	L	12	-	41	-	-	-	-	-	-	-	17	-	13	33	55	
APR.	F	23	-	37	-	-	-	-	-	-	-	15	-	9	30	50	
	M	28	-	19	-	-	-	-	-	-	-	8	-	3	18	30	
	L	31	-	-	-	-	-	-	-	-	-	-	-	9	15	15	
MAY	F	34	3	8	-	-	-	-	15	1	1	-	-	-	17	28	
	M	63	7	17	-	-	-	-	18	2	2	-	-	-	23	38	
	L	83	26	32	10	-	-	-	23	7	4	-	-	-	35	58	
JUNE	F	89	82	38	16	-	-	-	20	19	4	-	-	-	45	73	
	M	94	110	55	26	-	-	-	21	25	6	-	-	-	55	92	
	L	97	124	73	47	-	-	-	21	29	8	-	-	-	63	105	
JULY	F	84	86	77	51	-	-	-	18	20	8	-	-	-	52	87	
	M	84	87	83	62	-	-	-	18	20	9	-	-	-	54	90	
	L	91	97	90	79	-	-	-	20	22	10	-	-	-	61	102	
AUG.	F	77	86	63	63	-	-	-	17	20	7	-	-	-	51	83	
	M	73	86	37	54	-	-	-	16	20	4	-	-	-	46	77	
	L	74	95	13	45	-	-	-	16	22	1	-	-	-	44	73	
SEP.	F	53	76	-	25	-	-	-	15	22	-	-	-	-	40	67	
	M	48	72	-	12	-	-	-	13	21	-	-	-	-	36	60	
	L	30	46	-	-	-	-	-	8	13	-	-	-	-	21	35	
OCT.	F	11	17	-	-	-	-	-	3	5	-	-	-	-	8	13	
	M	-	-	-	10	-	-	-	-	-	-	-	-	-	8	13	
	L	-	-	23	23	-	-	-	-	-	-	9	10	19	32	32	
NOV.	F	-	-	25	25	-	-	-	-	-	-	10	11	21	35	35	
	M	-	-	30	30	-	-	-	-	-	-	12	13	27	45	45	
	L	-	-	35	35	-	-	-	-	-	-	14	15	34	57	57	
DEC.	F	-	-	24	24	-	-	-	-	-	-	10	10	7	27	45	
	M	-	-	22	22	-	-	-	-	-	-	9	9	8	26	43	
	L	-	-	23	23	-	-	-	-	-	-	9	10	11	30	50	
TOTAL		1206	1100	586	494	498	246	406	288	268	64	37	202	106	1153	1922	

NOTE: COT.=COTTON, PAD.=PADDY, MAI-1=FULL TERM MAIZE, MAI-2=GREEN CUT MAIZE, BER-4=FULL TERM BERSEEM, BER-2=CATCH CROP BERSEEM, WHE.=WHEAT, NWR=NET WATER REQUIREMENT, GWR=GROSS WATER REQUIREMENT

CASE: E-4 ***** CALCULATION OF WATER REQUIREMENT ***** (UNIT: MM)

	UNIT WATER REQUIREMENT				NET WATER REQUIREMENT				TOTAL OF NHR						
	COT.	PAD.	MAI-1	MAI-2	BER-4	BER-2	WHE.	COT.	PAD.	MAI-1	MAI-2	BER-4	BER-2	WHE.	G.W.R.
								28 X	29 X	14 X	13 X	33 X	34 X	33 X	
JAN.	F	-	-	-	25	25	27	-	-	-	-	10	11	11	53
	M	-	-	-	23	18	29	-	-	-	-	9	8	12	29
	L	-	-	-	23	11	33	-	-	-	-	9	9	14	28
FEB.	F	-	-	-	23	-	36	-	-	-	-	9	-	13	24
	M	-	-	-	28	-	32	-	-	-	-	12	-	13	25
	L	-	-	-	22	-	30	-	-	-	-	9	-	12	21
MAR.	F	-	-	-	33	-	42	-	-	-	-	14	-	17	31
	M	9	-	-	32	-	38	2	-	-	-	13	-	16	31
	L	12	-	-	41	-	31	4	-	-	-	17	-	13	34
APR.	F	23	-	-	37	-	21	8	-	-	-	15	-	9	32
	M	26	-	-	19	-	7	9	-	-	-	8	-	3	33
	L	31	-	-	-	-	-	11	-	-	-	-	-	11	18
MAY	F	34	3	8	-	-	-	19	1	1	-	-	-	-	21
	M	63	7	17	4	-	-	23	3	3	1	-	-	-	30
	L	83	26	32	10	-	-	29	9	6	2	-	-	-	50
JUNE	F	89	82	38	16	-	-	25	24	3	2	-	-	-	36
	M	94	110	55	26	-	-	26	32	8	4	-	-	-	70
	L	97	124	73	47	-	-	27	36	10	6	-	-	-	117
JULY	F	84	86	77	51	-	-	24	25	11	7	-	-	-	67
	M	84	87	83	62	-	-	24	25	12	8	-	-	-	69
	L	91	97	90	79	-	-	25	28	13	11	-	-	-	115
AUG.	F	77	86	83	63	-	-	22	23	9	9	-	-	-	77
	M	73	86	37	54	-	-	20	23	3	7	-	-	-	65
	L	74	95	13	43	-	-	21	28	2	6	-	-	-	57
SEP.	F	55	76	-	25	-	-	19	28	-	4	-	-	-	57
	M	48	72	-	12	-	-	17	26	-	2	-	-	-	31
	L	30	46	-	-	-	-	10	17	-	-	-	-	-	43
OCT.	F	11	17	-	-	-	-	4	6	-	-	-	-	-	27
	M	-	-	-	10	10	-	-	-	-	-	4	4	-	10
	L	-	-	-	23	23	-	-	-	-	-	9	10	-	8
NOV.	F	-	-	-	28	25	-	-	-	-	-	10	11	-	19
	M	-	-	-	30	30	6	-	-	-	-	12	13	-	21
	L	-	-	-	35	35	13	-	-	-	-	14	15	-	27
DEC.	F	-	-	-	24	24	16	-	-	-	-	10	10	-	34
	M	-	-	-	22	22	19	-	-	-	-	9	9	-	27
	L	-	-	-	23	23	26	-	-	-	-	9	10	-	43
TOTAL		1206	1100	586	494	498	246	369	338	85	69	202	106	168	1337

NOTE: COT.=COTTON, PAD.=PADDY, MAI-1=FULL TERM MAIZE, MAI-2=GREEN CUT MAIZE, BER-4=FULL TERM BERSEEM, BER-2=CATCH CROP BERSEEM, WHE.=WHEAT, NHR=NET WATER REQUIREMENT, CHR=GROSS WATER REQUIREMENT

CASE: F-1, F-3 ***** CALCULATION OF WATER REQUIREMENT ***** (UNIT: MM)

MONTH	UNIT WATER REQUIREMENT			NET WATER REQUIREMENT			TOTAL OF NUR			G.W.R.						
	COT.	PAD.	MAI-1	COT.	PAD.	MAI-1	BER-2	BER-4	WHE.							
	33%	33%	17%	33%	33%	17%	33%	33%	33%							
JAN.																
F				25	27		10	11	11	32						
M				23	29		9	8	12	29						
L				23	33		9	3	14	28						
FEB.																
F				23	36		9		15	24						
M				28	32		12		12	42						
L				22	30		9		12	35						
MAR.																
F				33	42		14		17	31						
M				32	38		13		16	52						
L				41	31		17		13	56						
APR.																
F				37	21		15		9	33						
M				19	7		8		3	37						
L										22						
MAY																
F																
M																
L																
JUNE																
F																
M																
L																
JULY																
F																
M																
L																
AUG.																
F																
M																
L																
SEP.																
F																
M																
L																
OCT.																
F																
M																
L																
NOV.																
F																
M																
L																
DEC.																
F																
M																
L																
TOTAL	1206	1100	562	494	498	246	406	434	382	96	87	202	106	166	1475	2460

NOTE: COT.=COTTON, PAD.=PADDY, MAI-1=FULL TERM MAIZE, MAI-2=GREEN CUT MAIZE, BER-2=GREEN CUT MAIZE, BER-4=FULL TERM BERSEEM, BER-2=CATCH CROP BERSEEM, WHE.=WHEAT, NUR=NET WATER REQUIREMENT, GWR=GROSS WATER REQUIREMENT

CASE: F-2 ***** CALCULATION OF WATER REQUIREMENT ***** (UNIT: MM)

MONTH	UNIT WATER REQUIREMENT			NET WATER REQUIREMENT			COT. PAD. MAI-1 MAI-2 MAI-3 MAI-4 MAI-5			TOTAL OF NWR	G.M.R.			
	COT.	PAD.	MAI-1	MAI-2	MAI-3	MAI-4	MAI-5	MAI-1	MAI-2			MAI-3	MAI-4	MAI-5
JAN.	F	-	-	25	25	27	-	-	-	10	11	11	32	53
	M	-	-	23	16	29	-	-	-	9	8	12	29	48
	L	-	-	23	11	33	-	-	-	9	5	14	28	47
FEB.	F	-	-	23	-	36	-	-	-	9	-	15	24	40
	M	-	-	28	-	32	-	-	-	12	-	12	25	42
	L	-	-	22	-	30	-	-	-	9	-	12	21	35
MAR.	F	-	-	33	-	42	-	-	-	14	-	17	31	52
	M	5	-	32	-	38	1	-	-	13	-	16	30	50
	L	12	-	41	-	31	3	-	-	17	-	13	33	55
APR.	F	23	-	37	-	21	7	-	-	15	-	9	31	52
	M	26	-	19	-	7	7	-	-	8	-	3	18	30
	L	31	-	-	-	-	9	-	-	-	-	-	9	15
MAY	F	34	3	-	-	-	16	1	-	-	-	-	17	28
	M	65	7	4	-	-	19	2	-	-	-	-	22	37
	L	63	26	10	-	-	24	8	1	-	-	-	36	57
JUNE	F	89	82	18	16	-	20	20	2	2	-	-	44	73
	M	94	110	30	26	-	22	26	4	3	-	-	55	92
	L	97	124	38	47	-	22	30	5	6	-	-	63	105
JULY	F	84	86	47	31	-	19	21	6	6	-	-	32	87
	M	84	87	63	42	-	19	21	8	7	-	-	55	92
	L	91	97	85	79	-	21	23	10	9	-	-	63	105
AUG.	F	77	86	79	63	-	18	21	9	8	-	-	56	93
	M	73	86	78	54	-	17	21	9	6	-	-	53	88
	L	74	95	70	45	-	17	23	8	5	-	-	53	88
SEP.	F	55	76	34	23	-	16	23	5	4	-	-	48	80
	M	48	72	11	12	-	14	22	2	2	-	-	40	67
	L	30	46	-	-	-	9	14	-	-	-	-	23	38
OCT.	F	11	17	-	-	-	3	5	-	-	-	-	8	13
	M	-	-	-	10	-	-	-	-	-	4	4	8	13
	L	-	-	-	23	-	-	-	-	9	10	-	19	32
NOV.	F	-	-	-	25	-	-	-	-	10	11	-	21	35
	M	-	-	-	30	6	-	-	-	12	13	3	27	45
	L	-	-	-	35	13	-	-	-	14	15	5	34	57
DEC.	F	-	-	-	24	16	-	-	-	10	10	7	27	45
	M	-	-	-	22	19	-	-	-	9	9	8	26	43
	L	-	-	-	23	26	-	-	-	9	10	11	30	50
TOTAL		1206	1100	562	494	498	246	406	281	69	60	168	1189	1982

NOTE: COT.=COTTON, PAD.=PADDY, MAI-1=FULL TERM MAIZE, MAI-2=GREEN CUT MAIZE, MAI-3=FULL TERM BERSEEM, MAI-4=FULL TERM BERSEEM, MAI-5=FULL TERM BERSEEM, WHE.=WHEAT, NWR=NET WATER REQUIREMENT, GWR=GROSS WATER REQUIREMENT

***** CALCULATION OF WATER REQUIREMENT *****
 CASE: F-4 (UNIT: MM)

MONTH	DAY	UNIT WATER REQUIREMENT				NET WATER REQUIREMENT				TOTAL OF NWR	G.H.R.					
		COT. 30%	PAD. 30%	MAI-1 16%	MAI-2 15%	COT. 30%	PAD. 30%	MAI-1 15%	MAI-2 15%							
JAN.	F	-	-	-	-	-	-	-	-	10	11	32	53			
	M	-	-	-	-	-	-	-	-	9	8	29	48			
	L	-	-	-	-	-	-	-	-	9	5	28	47			
FEB.	F	-	-	-	-	-	-	-	-	9	-	24	40			
	M	-	-	-	-	-	-	-	-	12	-	25	42			
	L	-	-	-	-	-	-	-	-	9	-	21	35			
MAR.	F	-	-	-	-	-	-	-	-	14	-	31	52			
	M	-	-	-	-	-	-	-	-	13	-	31	52			
	L	-	-	-	-	-	-	-	-	17	-	34	57			
APR.	F	-	-	-	-	-	-	-	-	15	-	33	55			
	M	-	-	-	-	-	-	-	-	8	-	21	35			
	L	-	-	-	-	-	-	-	-	-	-	12	20			
MAY	F	-	-	-	-	-	-	-	-	-	-	-	-			
	M	-	-	-	-	-	-	-	-	-	-	-	-			
	L	-	-	-	-	-	-	-	-	-	-	-	-			
JUNE	F	-	-	-	-	-	-	-	-	-	-	-	-			
	M	-	-	-	-	-	-	-	-	-	-	-	-			
	L	-	-	-	-	-	-	-	-	-	-	-	-			
JULY	F	-	-	-	-	-	-	-	-	-	-	-	-			
	M	-	-	-	-	-	-	-	-	-	-	-	-			
	L	-	-	-	-	-	-	-	-	-	-	-	-			
AUG.	F	-	-	-	-	-	-	-	-	-	-	-	-			
	M	-	-	-	-	-	-	-	-	-	-	-	-			
	L	-	-	-	-	-	-	-	-	-	-	-	-			
SEP.	F	-	-	-	-	-	-	-	-	-	-	-	-			
	M	-	-	-	-	-	-	-	-	-	-	-	-			
	L	-	-	-	-	-	-	-	-	-	-	-	-			
OCT.	F	-	-	-	-	-	-	-	-	-	-	-	-			
	M	-	-	-	-	-	-	-	-	-	-	-	-			
	L	-	-	-	-	-	-	-	-	-	-	-	-			
NOV.	F	-	-	-	-	-	-	-	-	-	-	-	-			
	M	-	-	-	-	-	-	-	-	-	-	-	-			
	L	-	-	-	-	-	-	-	-	-	-	-	-			
DEC.	F	-	-	-	-	-	-	-	-	-	-	-	-			
	M	-	-	-	-	-	-	-	-	-	-	-	-			
	L	-	-	-	-	-	-	-	-	-	-	-	-			
TOTAL		1206	1100	562	494	498	246	406	394	348	93	76	202	106	1387	2315

NOTE: COT.=COTTON, PAD.=PADDY, MAI-1=FULL TERM MAIZE, MAI-2=GREEN CUT MAIZE, BER-4=FULL TERM BERSEEM, BER-2=CATCH CROP BERSEEM, WHE.=WHEAT, NWR=NET WATER REQUIREMENT, GWR=GROSS WATER REQUIREMENT

CASE: G-1, G-3 ***** CALCULATION OF WATER REQUIREMENT ***** (UNIT: MM)

		***** UNIT WATER REQUIREMENT *****				***** NET WATER REQUIREMENT *****				***** TOTAL *****							
		COT. PAD. MAI-1 MAI-2 BER-4 BER-2 WHE.		COT. PAD. MAI-1 MAI-2 BER-4 BER-2 WHE.		COT. PAD. MAI-1 MAI-2 BER-4 BER-2 WHE.		COT. PAD. MAI-1 MAI-2 BER-4 BER-2 WHE.		OF NWR G.U.R.							
		33% 17% 17% 33% 34% 33% 33%		33% 17% 17% 33% 34% 33% 33%		33% 17% 17% 33% 34% 33% 33%		33% 17% 17% 33% 34% 33% 33%									
JAN.	F	-	-	25	25	27	-	-	10	11	11	32	53				
	M	-	-	23	18	29	-	-	9	8	12	29	48				
	L	-	-	23	11	33	-	-	9	5	14	28	47				
FEB.	F	-	-	23	-	36	-	-	9	-	15	24	40				
	M	-	-	28	-	32	-	-	12	-	15	25	42				
	L	-	-	22	-	30	-	-	9	-	12	21	35				
MAR.	F	-	-	33	-	42	-	-	14	-	17	31	52				
	M	5	-	32	-	38	2	-	13	-	16	31	52				
	L	12	-	41	-	31	5	-	17	-	13	35	58				
APR.	F	23	-	37	-	21	9	-	15	-	9	33	55				
	M	26	-	19	-	7	11	-	8	-	3	22	37				
	L	31	-	-	-	-	13	-	-	-	-	13	22				
MAY	F	34	3	-	-	-	22	1	-	-	-	23	38				
	M	63	7	8	-	-	27	3	2	-	-	32	53				
	L	83	26	19	-	-	34	11	4	-	-	49	82				
JUNE	F	89	82	30	5	-	29	27	5	1	-	62	103				
	M	94	110	38	11	-	31	36	6	2	-	75	125				
	L	97	124	55	22	-	32	41	9	4	-	86	143				
JULY	F	84	86	63	32	-	28	28	11	5	-	72	120				
	M	84	87	77	50	-	28	29	13	8	-	78	130				
	L	91	97	91	69	-	30	32	15	12	-	89	148				
AUG.	F	77	86	78	71	-	25	28	13	12	-	78	130				
	M	73	86	83	78	-	24	28	11	13	-	76	127				
	L	74	95	40	70	-	24	31	7	12	-	74	123				
SEP.	F	55	76	11	44	-	23	31	2	9	-	65	108				
	M	48	72	-	28	-	20	30	-	6	-	56	93				
	L	30	46	-	13	-	12	19	-	3	-	34	57				
OCT.	F	11	17	-	-	-	5	7	-	-	-	12	20				
	M	-	-	-	-	-	-	-	-	-	-	6	13				
	L	-	-	-	-	-	-	-	-	-	-	4	8				
NOV.	F	-	-	-	-	-	-	-	-	-	-	9	10				
	M	-	-	-	-	-	-	-	-	-	-	10	11				
	L	-	-	-	-	-	-	-	-	-	-	12	13				
DEC.	F	-	-	-	-	-	-	-	-	-	-	14	15				
	M	-	-	-	-	-	-	-	-	-	-	10	10				
	L	-	-	-	-	-	-	-	-	-	-	9	9				
TOTAL		1206	1100	573	493	498	246	406	434	382	98	87	202	106	168	1477	2461

NOTE: COT.=COTTON, PAD.=PADDY, MAI-1=FULL TERM MAIZE, MAI-2=GREEN CUT MAIZE, BER-4=FULL TERM BERSEEM, BER-2=CATCH CROP BERSEEM, WHE.=WHEAT, NWR=NET WATER REQUIREMENT, CWR=CROSS WATER REQUIREMENT

CASE: G-2 ***** CALCULATION OF WATER REQUIREMENT ***** (UNIT: MM)

	***** UNIT WATER REQUIREMENT *****		***** NET WATER REQUIREMENT *****		***** WHE. OF NWR *****		***** G.W.R. *****										
	COT.	MAI-1	MAI-2	BER-4	BER-2	WNG.	COT.	PAD.	MAI-1	MAI-2	BER-4	BER-2	WHE.	OF NWR	G.W.R.		
							24 %	24 %	12 %	12 %	33 %	34 %	33 %				
JAN.	F	-	-	23	25	27	-	-	-	-	10	11	11	32	53		
	M	-	-	23	18	29	-	-	-	-	9	9	6	29	48		
	L	-	-	23	11	33	-	-	-	-	9	5	14	28	47		
FEB.	F	-	-	23	-	36	-	-	-	-	9	-	-	24	40		
	M	-	-	28	-	32	-	-	-	-	12	-	-	25	42		
	L	-	-	22	-	30	-	-	-	-	9	-	-	21	35		
MAR.	F	-	-	33	-	42	-	-	-	-	14	-	-	31	52		
	M	3	-	32	-	38	1	-	-	-	13	-	-	30	50		
	L	12	-	41	-	31	4	-	-	-	17	-	-	34	57		
APR.	F	23	-	37	-	21	7	-	-	-	15	-	-	31	52		
	M	26	-	19	-	7	8	-	-	-	8	-	-	19	32		
	L	31	-	-	-	-	9	-	-	-	-	-	-	9	15		
MAY	F	54	3	-	-	-	16	1	-	-	-	-	-	17	28		
	M	65	7	-	-	-	19	2	1	-	-	-	-	22	37		
	L	83	26	19	-	-	25	8	3	-	-	-	-	36	60		
JUNE	F	89	82	30	5	-	21	20	4	1	-	-	-	46	77		
	M	94	110	38	11	-	23	26	5	1	-	-	-	55	92		
	L	97	124	55	22	-	23	30	7	3	-	-	-	63	105		
JULY	F	84	86	63	32	-	20	21	8	4	-	-	-	53	88		
	M	84	87	77	50	-	20	21	9	6	-	-	-	56	93		
	L	91	97	91	69	-	22	23	11	8	-	-	-	64	107		
AUG.	F	77	86	78	71	-	18	21	9	9	-	-	-	57	95		
	M	73	86	63	78	-	18	21	8	9	-	-	-	56	92		
	L	74	95	40	70	-	18	23	5	8	-	-	-	54	90		
SEP.	F	55	76	11	44	-	16	23	2	7	-	-	-	48	80		
	M	48	72	-	28	-	14	22	-	4	-	-	-	40	67		
	L	50	46	-	15	-	9	14	-	2	-	-	-	25	42		
OCT.	F	11	17	-	-	-	3	5	-	-	-	-	-	8	13		
	M	-	-	-	-	-	-	-	-	-	-	-	-	8	13		
	L	-	-	-	-	-	-	-	-	-	-	-	-	19	32		
NOV.	F	-	-	-	25	25	-	-	-	-	10	11	-	21	35		
	M	-	-	-	30	30	6	-	-	-	12	13	2	27	45		
	L	-	-	-	35	35	13	-	-	-	14	15	3	34	57		
DEC.	F	-	-	-	24	24	16	-	-	-	10	10	7	27	45		
	M	-	-	-	22	22	19	-	-	-	9	9	8	26	43		
	L	-	-	-	23	23	26	-	-	-	9	10	11	30	50		
TOTAL		1206	1100	573	493	498	246	406	314	281	72	62	202	106	168	1205	2010

NOTE: COT.=COTTON, PAD.=PADDY, MAI-1=FULL TERM MAIZE, MAI-2=GREEN CUT MAIZE, BER-4=FULL TERM BERSEEM, BER-2=CATCH CROP BERSEEM, WHE.=WHEAT, NWR=NET WATER REQUIREMENT, GRW=GROSS WATER REQUIREMENT

CASE 6-4

***** CALCULATION OF WATER REQUIREMENT *****

(UNIT: MM)

	UNIT WATER REQUIREMENT				NET WATER REQUIREMENT				TOTAL							
	COT.	PAD.	MAI-1	MAI-2	BER-4	BER-2	WHE.	COT.	PAD.	MAI-1	MAI-2	BER-4	BER-2	WHE.	OF NWR	G.M.R.
	31 %	31 %	14 %	15 %	33 %	34 %	33 %	31 %	31 %	14 %	15 %	33 %	34 %	33 %		
JAN. F	-	-	-	-	25	25	27	-	-	-	-	10	11	11	32	53
JAN. M	-	-	-	-	23	16	29	-	-	-	-	-	9	6	29	48
JAN. L	-	-	-	-	23	11	33	-	-	-	-	9	5	5	28	47
FEB. F	-	-	-	-	23	-	36	-	-	-	-	9	-	-	24	40
FEB. M	-	-	-	-	28	-	32	-	-	-	-	12	-	-	23	42
FEB. L	-	-	-	-	22	-	30	-	-	-	-	9	-	-	21	35
MAR. F	-	-	-	-	33	-	42	-	-	-	-	14	-	-	31	52
MAR. M	5	-	-	-	32	-	38	3	-	-	-	13	-	-	31	52
MAR. L	12	-	-	-	41	-	31	5	-	-	-	17	-	-	35	58
APR. F	23	-	-	-	37	-	21	9	-	-	-	15	-	-	33	55
APR. M	26	-	-	-	19	-	7	10	-	-	-	8	-	-	21	35
APR. L	31	-	-	-	-	-	-	12	-	-	-	-	-	-	12	20
MAY F	34	3	-	-	-	-	-	21	1	-	-	-	-	-	22	37
MAY M	65	7	6	-	-	-	-	23	3	1	-	-	-	-	29	48
MAY L	83	26	19	-	-	-	-	32	10	3	-	-	-	-	45	75
JUNE F	89	82	30	5	-	-	-	28	25	4	1	-	-	-	58	97
JUNE M	94	110	36	11	-	-	-	29	34	5	2	-	-	-	70	117
JUNE L	97	124	55	22	-	-	-	30	38	8	3	-	-	-	79	132
JULY F	84	86	65	32	-	-	-	26	27	9	5	-	-	-	67	112
JULY M	84	87	77	50	-	-	-	26	27	11	7	-	-	-	71	118
JULY L	91	97	91	69	-	-	-	28	30	13	10	-	-	-	81	135
AUG. F	77	86	78	71	-	-	-	24	27	11	11	-	-	-	73	122
AUG. M	73	86	63	78	-	-	-	23	27	9	12	-	-	-	71	118
AUG. L	74	93	40	70	-	-	-	23	29	6	10	-	-	-	68	113
SEP. F	55	76	11	44	-	-	-	21	29	2	8	-	-	-	60	100
SEP. M	48	72	-	28	-	-	-	19	28	-	5	-	-	-	52	87
SEP. L	30	46	-	15	-	-	-	12	18	-	2	-	-	-	32	53
OCT. F	11	17	-	-	-	-	-	4	7	-	-	-	-	-	11	18
OCT. M	-	-	-	-	10	10	-	-	-	-	-	4	4	-	8	13
OCT. L	-	-	-	-	23	23	-	-	-	-	-	9	10	-	19	32
NOV. F	-	-	-	-	25	25	-	-	-	-	-	10	11	-	21	35
NOV. M	-	-	-	-	30	30	6	-	-	-	-	12	13	2	27	45
NOV. L	-	-	-	-	35	35	13	-	-	-	-	14	15	3	34	57
DEC. F	-	-	-	-	24	24	16	-	-	-	-	10	10	7	27	45
DEC. M	-	-	-	-	22	22	19	-	-	-	-	9	9	8	26	43
DEC. L	-	-	-	-	23	23	26	-	-	-	-	9	10	11	30	50
TOTAL	1306	1100	573	493	498	246	406	409	360	82	76	202	106	168	1403	2339

NOTE: COT.=COTTON, PAD.=PADDY, MAI-1=FULL TERM MAIZE, MAI-2=GREEN CUT MAIZE, BER-4=FULL TERM BERSEEM, BER-2=CATCH CROP BERSEEM, WHE.=WHEAT, NWR=NET WATER REQUIREMENT, GR=GRASS WATER REQUIREMENT

CASE: H-1, H-3 ***** CALCULATION OF WATER REQUIREMENT ***** (UNIT: MM)

MONTH	UNIT WATER REQUIREMENT				NET WATER REQUIREMENT				TOTAL OF NWR	G.M.R.			
	COT.	PAD.	MAI-1	MAI-2	BER-2	BER-4	MAI-1	MAI-2			BER-2	BER-4	
JAN. F	-	-	-	-	25	25	27	-	-	10	11	32	53
JAN. M	-	-	-	-	23	18	29	-	-	9	8	29	48
JAN. L	-	-	-	-	23	11	33	-	-	9	5	28	47
FEB. F	-	-	-	-	23	-	36	-	-	9	-	24	40
FEB. M	-	-	-	-	28	-	32	-	-	12	-	25	42
FEB. L	-	-	-	-	22	-	30	-	-	9	-	21	35
MAR. F	-	-	-	-	33	-	42	-	-	14	-	31	52
MAR. M	5	-	-	-	32	-	38	2	-	13	-	31	52
MAR. L	12	-	-	-	41	-	31	5	-	17	-	35	58
APR. F	23	-	-	-	37	-	21	9	-	15	-	33	55
APR. M	26	-	-	-	19	-	7	11	-	8	-	32	37
APR. L	31	-	-	-	-	-	13	13	-	8	-	13	22
MAY F	34	3	8	-	-	-	22	1	2	-	-	23	42
MAY M	63	7	17	-	-	-	27	3	4	-	-	34	57
MAY L	83	26	32	-	-	-	34	11	7	-	-	52	87
JUNE F	89	82	38	5	-	-	29	27	9	1	-	63	105
JUNE M	94	110	55	11	-	-	31	36	9	2	-	78	130
JUNE L	97	124	73	22	-	-	32	41	12	4	-	89	148
JULY F	84	86	77	32	-	-	28	28	13	5	-	74	123
JULY M	84	87	83	50	-	-	28	29	14	8	-	79	132
JULY L	91	97	90	69	-	-	30	32	15	12	-	89	148
AUG. F	77	86	63	71	-	-	25	28	11	12	-	76	127
AUG. M	73	86	37	78	-	-	24	28	6	13	-	71	118
AUG. L	74	95	13	70	-	-	24	31	2	12	-	69	115
SEP. F	55	76	-	44	-	-	23	31	-	9	-	63	105
SEP. M	48	72	-	28	-	-	20	30	-	6	-	56	93
SEP. L	30	46	-	13	-	-	12	19	-	3	-	34	57
OCT. F	11	17	-	-	-	-	3	7	-	-	-	12	20
OCT. M	-	-	-	-	10	10	-	-	-	4	4	8	13
OCT. L	-	-	-	-	23	23	-	-	-	9	10	19	32
NOV. F	-	-	-	-	25	25	-	-	-	10	11	21	35
NOV. M	-	-	-	-	30	30	6	-	-	12	13	27	45
NOV. L	-	-	-	-	35	35	13	-	-	14	15	34	57
DEC. F	-	-	-	-	24	24	16	-	-	10	10	27	45
DEC. M	-	-	-	-	22	22	19	-	-	9	9	26	43
DEC. L	-	-	-	-	23	23	26	-	-	9	10	30	50
TOTAL	1206	1100	586	493	498	246	406	434	382	101	87	1480	2468

NOTE: COT.=COTTON, PAD.=PADDY, MAI-1=FULL TERM MAIZE, MAI-2=GREEN CUT MAIZE, BER-2=FULL TERM BERSEEM, BER-4=CATCH CROP BERSEEM, WHE.=WHEAT, NWR=NET WATER REQUIREMENT, GMR=GROSS WATER REQUIREMENT

CASE: H-2 ***** CALCULATION OF WATER REQUIREMENT ***** (UNIT: MM)

	COT.	PAD.	MAI-1	MAI-2	BER-4	BER-2	WHE.	COT.	PAD.	MAI-1	MAI-2	BER-4	BER-2	WHE.	COT.	PAD.	MAI-1	MAI-2	BER-4	BER-2	WHE.	TOTAL	G.W.R.	
								23 %	24 %	11 %	12 %	33 %	34 %	33 %										
JAN.	F	-	-	-	23	25	27	-	-	-	-	10	11	11	-	-	-	-	-	-	-	32	33	
	M	-	-	-	23	18	29	-	-	-	-	9	8	12	-	-	-	-	-	-	-	29	48	
	L	-	-	-	23	11	33	-	-	-	-	9	5	14	-	-	-	-	-	-	-	28	47	
FEB.	F	-	-	-	23	-	36	-	-	-	-	9	-	15	-	-	-	-	-	-	-	24	40	
	M	-	-	-	28	-	32	-	-	-	-	12	-	13	-	-	-	-	-	-	-	25	42	
	L	-	-	-	22	-	30	-	-	-	-	9	-	12	-	-	-	-	-	-	-	21	35	
MAR.	F	-	-	-	33	-	42	-	-	-	-	14	-	17	-	-	-	-	-	-	-	31	52	
	M	5	-	-	32	-	38	1	-	-	-	13	-	16	-	-	-	-	-	-	-	30	50	
	L	12	-	-	41	-	31	3	-	-	-	17	-	13	-	-	-	-	-	-	-	33	53	
APR.	F	23	-	-	37	-	21	7	-	-	-	15	-	9	-	-	-	-	-	-	-	31	52	
	M	26	-	-	19	-	7	7	-	-	-	8	-	3	-	-	-	-	-	-	-	18	30	
	L	31	-	-	-	-	-	9	-	-	-	-	-	-	-	-	-	-	-	-	-	9	15	
MAY	F	34	3	8	-	-	-	16	1	1	-	-	-	-	-	-	-	-	-	-	-	18	30	
	M	63	7	17	-	-	-	19	2	2	-	-	-	-	-	-	-	-	-	-	-	23	38	
	L	83	26	32	-	-	-	24	8	4	-	-	-	-	-	-	-	-	-	-	-	36	60	
JUNE	F	89	62	38	5	-	-	20	20	4	1	-	-	-	-	-	-	-	-	-	-	45	75	
	M	94	110	55	11	-	-	22	26	6	1	-	-	-	-	-	-	-	-	-	-	53	92	
	L	97	124	73	22	-	-	22	30	8	3	-	-	-	-	-	-	-	-	-	-	63	103	
JULY	F	84	86	77	32	-	-	19	21	8	4	-	-	-	-	-	-	-	-	-	-	52	87	
	M	84	87	83	30	-	-	19	21	9	6	-	-	-	-	-	-	-	-	-	-	55	92	
	L	91	97	90	69	-	-	21	23	10	8	-	-	-	-	-	-	-	-	-	-	62	103	
AUG.	F	77	86	63	71	-	-	18	21	7	9	-	-	-	-	-	-	-	-	-	-	53	92	
	M	73	86	37	78	-	-	17	21	4	9	-	-	-	-	-	-	-	-	-	-	51	85	
	L	74	93	13	70	-	-	17	23	1	8	-	-	-	-	-	-	-	-	-	-	49	82	
SEP.	F	55	76	-	44	-	-	16	23	-	7	-	-	-	-	-	-	-	-	-	-	46	77	
	M	48	72	-	28	-	-	14	22	-	4	-	-	-	-	-	-	-	-	-	-	40	67	
	L	30	46	-	13	-	-	9	14	-	2	-	-	-	-	-	-	-	-	-	-	25	42	
OCT.	F	11	17	-	-	-	-	3	5	-	-	-	-	-	-	-	-	-	-	-	-	8	13	
	M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8	13	
	L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	19	32	
NOV.	F	-	-	-	25	-	-	-	-	-	-	10	11	21	-	-	-	-	-	-	-	21	33	
	M	-	-	-	30	6	-	-	-	-	-	12	13	27	-	-	-	-	-	-	-	27	43	
	L	-	-	-	35	35	13	-	-	-	-	14	15	34	-	-	-	-	-	-	-	34	57	
DEC.	F	-	-	-	24	24	16	-	-	-	-	10	10	7	-	-	-	-	-	-	-	27	43	
	M	-	-	-	23	22	19	-	-	-	-	9	9	8	-	-	-	-	-	-	-	26	43	
	L	-	-	-	23	23	26	-	-	-	-	9	10	11	-	-	-	-	-	-	-	30	50	
TOTAL		1206	1100	566	493	498	406	303	281	64	62	202	106	168								1166	1979	

NOTE: COT.=COTTON, PAD.=PADDY, MAI-1=FULL TERM MAIZE, MAI-2=GREEN CUT MAIZE, BER-4=FULL TERM BERSEEM, BER-2=CATCH CROP BERSEEM, WHE.=WHEAT, NWR=NET WATER REQUIREMENT, GWR=GROSS WATER REQUIREMENT

CASE: H-4 ***** CALCULATION OF WATER REQUIREMENT ***** (UNIT: MM)

***** UNIT WATER REQUIREMENT *****		***** NET WATER REQUIREMENT *****		*****		*****		*****		*****		*****		*****										
COT.	PAD.	MAY-1	MAY-2	BER-4	BER-2	UHE.	COT.	PAD.	MAY-1	MAY-2	BER-4	BER-2	UHE.	30 X	30 X	30 X	14 X	15 X	33 X	34 X	33 X	UHE.	TOTAL	G.W.R.
JAN.	F	-	-	23	25	27	-	-	-	-	-	-	10	11	11	11	11	11	11	11	11	11	32	53
	M	-	-	23	18	29	-	-	-	-	-	-	9	8	12	12	12	12	12	12	12	12	29	46
	L	-	-	23	11	33	-	-	-	-	-	-	9	5	14	14	14	14	14	14	14	14	26	47
FEB.	F	-	-	23	-	36	-	-	-	-	-	-	9	-	15	15	15	15	15	15	15	15	24	40
	M	-	-	28	-	32	-	-	-	-	-	-	12	-	13	13	13	13	13	13	13	13	25	42
	L	-	-	22	-	30	-	-	-	-	-	-	9	-	12	12	12	12	12	12	12	12	21	33
MAR.	F	-	-	33	-	42	-	-	-	-	-	-	14	-	17	17	17	17	17	17	17	17	31	52
	M	5	-	32	-	38	2	-	-	-	-	-	13	-	16	16	16	16	16	16	16	16	31	52
	L	12	-	41	-	31	4	-	-	-	-	-	17	-	13	13	13	13	13	13	13	13	34	57
APR.	F	23	-	37	-	21	9	-	-	-	-	-	15	-	9	9	9	9	9	9	9	9	33	55
	M	26	-	19	-	7	10	-	-	-	-	-	8	-	3	3	3	3	3	3	3	3	21	35
	L	31	-	-	-	-	12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	12	20
MAY	F	54	3	-	-	-	20	1	1	1	1	-	-	-	-	-	-	-	-	-	-	-	22	37
	M	65	7	-	-	-	24	3	3	3	3	-	-	-	-	-	-	-	-	-	-	-	30	50
	L	83	26	-	-	-	31	10	6	6	6	-	-	-	-	-	-	-	-	-	-	-	47	76
JUNE	F	89	82	5	-	-	27	25	5	5	5	1	-	-	-	-	-	-	-	-	-	-	58	97
	M	94	110	11	-	-	28	33	8	8	8	2	-	-	-	-	-	-	-	-	-	-	71	116
	L	97	124	22	-	-	29	37	10	10	10	3	-	-	-	-	-	-	-	-	-	-	79	132
JULY	F	84	84	32	-	-	25	26	11	11	11	5	-	-	-	-	-	-	-	-	-	-	67	112
	M	84	87	50	-	-	25	26	12	12	12	7	-	-	-	-	-	-	-	-	-	-	70	117
	L	91	97	69	-	-	27	29	13	13	13	10	-	-	-	-	-	-	-	-	-	-	79	132
AUG.	F	77	86	71	-	-	23	26	9	9	9	11	-	-	-	-	-	-	-	-	-	-	69	115
	M	73	86	78	-	-	22	26	5	5	5	12	-	-	-	-	-	-	-	-	-	-	65	108
	L	74	95	70	-	-	22	26	2	2	2	10	-	-	-	-	-	-	-	-	-	-	62	103
SEP.	F	55	76	44	-	-	21	28	-	-	-	8	-	-	-	-	-	-	-	-	-	-	57	95
	M	48	72	28	-	-	18	27	-	-	3	-	-	-	-	-	-	-	-	-	-	-	50	83
	L	30	46	13	-	-	11	17	-	-	2	-	-	-	-	-	-	-	-	-	-	-	30	50
OCT.	F	11	17	-	-	-	4	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10	17
	M	-	-	-	10	10	-	-	-	-	-	-	4	4	4	4	4	4	4	4	4	4	8	13
	L	-	-	-	23	23	-	-	-	-	-	-	9	10	10	10	10	10	10	10	10	10	19	32
NOV.	F	-	-	25	25	-	-	-	-	-	-	-	10	11	11	11	11	11	11	11	11	11	21	35
	M	-	-	30	30	6	-	-	-	-	-	-	12	13	13	13	13	13	13	13	13	27	45	
	L	-	-	35	35	13	-	-	-	-	-	-	14	15	15	15	15	15	15	15	15	34	57	
DEC.	F	-	-	24	24	16	-	-	-	-	-	-	10	10	10	10	10	10	10	10	10	27	45	
	M	-	-	22	22	19	-	-	-	-	-	-	9	9	9	9	9	9	9	9	9	26	43	
	L	-	-	23	23	26	-	-	-	-	-	-	9	10	10	10	10	10	10	10	10	30	50	
TOTAL		1206	1100	586	493	498	394	348	85	76	202	106	168	1379	2300									

NOTE: COT.=COTTON, PAD.=PADDY, MAY-1=FULL TERM MAIZE, MAY-2=GREEN CUT MAIZE, BER-4=FULL TERM BERSEEM, BER-2=CATCH CROP BERSEEM, UHE.=WHEAT, NRA=NET WATER REQUIREMENT, GAR=GROSS WATER REQUIREMENT

CASE: I-1, 2-3

***** CALCULATION OF WATER REQUIREMENT *****

(UNIT: MM)

	UNIT WATER REQUIREMENT				NET WATER REQUIREMENT				TOTAL							
	COT.	PAD.	MAI-1	MAI-2	BER-4	BER-2	WHE.	COT.	PAD.	MAI-1	MAI-2	BER-4	BER-2	WHE.	DF NHR	G.W.R.
								33 %	33 %	17 %	17 %	33 %	34 %	33 %		
JAN. F	-	-	-	-	25	25	27	-	-	-	-	10	11	11	32	53
M	-	-	-	-	23	18	27	-	-	-	-	9	8	12	29	48
L	-	-	-	-	23	11	33	-	-	-	-	9	5	14	28	47
FEB. F	-	-	-	-	20	-	36	-	-	-	-	9	-	13	24	40
M	-	-	-	-	28	-	32	-	-	-	-	12	-	13	25	42
L	-	-	-	-	22	-	30	-	-	-	-	9	-	12	21	35
MAR. F	-	-	-	-	33	-	42	-	-	-	-	14	-	17	31	52
M	5	-	-	-	32	-	38	2	-	-	-	13	-	16	31	52
L	12	-	-	-	41	-	31	5	-	-	-	17	-	13	35	58
APR. F	23	-	-	-	37	-	21	9	-	-	-	15	-	9	33	55
M	26	-	-	-	19	-	7	11	-	-	-	8	-	3	22	37
L	31	-	-	-	-	-	-	13	-	-	-	-	-	-	13	22
MAY F	54	3	-	-	-	-	-	22	1	-	-	-	-	-	23	38
M	65	7	-	-	-	-	-	27	3	-	-	-	-	-	30	50
L	83	26	9	-	-	-	-	34	11	2	-	-	-	-	47	78
JUNE F	89	82	18	5	-	-	-	29	27	3	1	-	-	-	60	100
M	94	110	30	11	-	-	-	31	36	3	2	-	-	-	74	123
L	97	124	36	22	-	-	-	32	41	6	4	-	-	-	83	138
JULY F	84	86	47	32	-	-	-	28	28	8	5	-	-	-	69	115
M	84	87	63	50	-	-	-	28	29	11	8	-	-	-	76	127
L	91	97	85	69	-	-	-	30	32	14	12	-	-	-	88	147
AUG. F	77	86	79	71	-	-	-	25	28	13	12	-	-	-	78	130
M	73	86	78	78	-	-	-	24	28	12	13	-	-	-	78	130
L	74	95	70	70	-	-	-	24	31	12	12	-	-	-	79	132
SEP. F	55	76	34	44	-	-	-	23	31	7	9	-	-	-	70	117
M	48	72	11	28	-	-	-	20	30	2	6	-	-	-	58	97
L	30	46	-	13	-	-	-	12	19	-	3	-	-	-	34	57
OCT. F	11	17	-	-	-	-	-	5	7	-	-	-	-	-	12	20
M	-	-	-	-	10	10	-	-	-	-	-	4	4	-	8	13
L	-	-	-	-	23	23	-	-	-	-	-	9	10	-	19	32
NOV. F	-	-	-	-	25	25	-	-	-	-	-	10	11	-	21	35
M	-	-	-	-	30	30	6	-	-	-	-	12	13	2	27	45
L	-	-	-	-	35	35	13	-	-	-	-	14	15	5	34	57
DEC. F	-	-	-	-	24	24	16	-	-	-	-	10	10	7	27	45
M	-	-	-	-	22	22	19	-	-	-	-	9	9	8	26	43
L	-	-	-	-	23	23	26	-	-	-	-	9	10	11	30	50
TOTAL	1206	1100	562	493	498	246	406	434	362	96	87	202	106	168	1475	2460

NOTE: COT.=COTTON; PAD.=PADDY; MAI-1=FULL TERM MAIZE; MAI-2=GREEN CUT MAIZE; BER-4=FULL TERM BERSEEM; BER-2=CATCH CROP BERSEEM; WHE.=WHEAT; NHR=NET WATER REQUIREMENT; CHR=GROSS WATER REQUIREMENT

***** CALCULATION OF WATER REQUIREMENT ***** (UNIT: MM)

CASE: I-2

		***** UNIT WATER REQUIREMENT *****		***** NET WATER REQUIREMENT *****		***** WHE. OF NHR *****		***** G.U.R. *****									
		COT. PAD. MAI-1 MAI-2 BER-4	BER-2 WHE.	COT. PAD. MAI-1 MAI-2 BER-4	BER-2 WHE.	COT. PAD. MAI-1 MAI-2 BER-4	BER-2 WHE.	COT. PAD. MAI-1 MAI-2 BER-4	BER-2 WHE.								
		25 X	33 X	25 X	33 X	25 X	33 X	25 X	33 X								
JAN.	F	-	25	27	-	-	10	11	11	32							
	M	-	23	29	-	-	9	8	12	29							
	L	-	23	33	-	-	9	5	14	28							
FEB.	F	-	23	36	-	-	9	-	15	24							
	M	-	28	32	-	-	12	-	13	25							
	L	-	22	30	-	-	9	-	12	21							
MAR.	F	-	33	42	-	-	14	-	17	31							
	M	5	32	38	2	-	13	-	16	31							
	L	12	41	31	4	-	17	-	13	34							
APR.	F	23	37	21	7	-	15	-	9	31							
	M	26	19	7	8	-	8	-	3	19							
	L	31	-	-	10	-	-	-	10	17							
MAY	F	54	-	-	17	1	-	-	-	18							
	M	65	-	-	20	2	-	-	-	22							
	L	83	9	-	26	8	1	-	-	35							
JUNE	F	89	82	18	22	21	2	1	-	46							
	M	94	110	11	24	28	4	1	-	57							
	L	97	124	38	24	31	5	3	-	63							
JULY	F	84	85	47	32	22	6	4	-	53							
	M	84	87	43	30	21	8	6	-	57							
	L	91	97	85	69	23	24	10	-	65							
AUG.	F	77	86	79	71	19	22	9	-	59							
	M	73	88	78	78	18	22	9	-	58							
	L	74	95	70	70	19	24	8	-	59							
SEP.	F	55	76	34	44	17	24	5	-	53							
	M	48	72	11	28	15	22	2	-	43							
	L	50	46	-	13	9	14	2	-	25							
OCT.	F	11	17	-	-	3	5	-	-	8							
	M	-	-	-	-	-	-	-	-	8							
	L	-	-	-	-	-	-	-	-	19							
NOV.	F	-	-	-	-	-	-	-	-	21							
	M	-	-	-	-	-	-	-	-	27							
	L	-	-	-	-	-	-	-	-	34							
DEC.	F	-	-	-	-	-	-	-	-	27							
	M	-	-	-	-	-	-	-	-	26							
	L	-	-	-	-	-	-	-	-	30							
TOTAL		1206	1100	562	493	495	246	406	329	292	69	62	202	106	168	1228	2048

NOTE: COT.=COTTON, PAD.=PADDY, MAI-1=FULL TERM MAIZE, MAI-2=GREEN CUT MAIZE, BER-4=FULL TERM BERSEEM, BER-2=CATCH CROP BERSEEM, WHE.=WHEAT, NHR=NET WATER REQUIREMENT, GWR=GROSS WATER REQUIREMENT

CASE: J-4 ***** CALCULATION OF WATER REQUIREMENT ***** (UNIT: MM)

	***** UNIT WATER REQUIREMENT *****				***** NET WATER REQUIREMENT *****				***** WHE. *****		***** WHE. *****		***** G.W.R. *****		
	COT.	PAD.	MAI-1	MAI-2	BER-4	BER-2	WHE.	COT.	PAD.	MAI-1	MAI-2	BER-4	BER-2	WHE.	G.W.R.
	32 %	31 %	15 %	16 %	33 %	34 %	33 %	32 %	31 %	15 %	16 %	33 %	34 %	33 %	
JAN. F	-	-	-	-	25	25	27	-	-	-	-	10	11	11	32
JAN. M	-	-	-	-	23	18	29	-	-	-	-	9	8	12	29
JAN. L	-	-	-	-	23	11	33	-	-	-	-	9	5	14	28
FEB. F	-	-	-	-	23	-	36	-	-	-	-	9	-	15	24
FEB. M	-	-	-	-	26	-	32	-	-	-	-	12	-	13	25
FEB. L	-	-	-	-	22	-	30	-	-	-	-	9	-	12	21
MAR. F	-	-	-	-	32	-	42	-	-	-	-	14	-	17	31
MAR. M	5	-	-	-	32	-	38	2	-	-	-	13	-	16	31
MAR. L	12	-	-	-	41	-	31	5	-	-	-	17	-	13	35
APR. F	23	-	-	-	37	-	21	9	-	-	-	15	-	9	33
APR. M	26	-	-	-	19	-	7	10	-	-	-	8	-	3	21
APR. L	31	-	-	-	-	-	7	12	-	-	-	-	-	-	35
MAY F	34	3	-	-	-	-	-	22	1	-	-	-	-	-	23
MAY M	65	7	-	-	-	-	-	26	3	-	-	-	-	-	29
MAY L	83	26	9	-	-	-	-	33	10	2	-	-	-	-	45
JUNE F	89	82	18	5	-	-	-	28	25	3	1	-	-	-	57
JUNE M	94	110	30	11	-	-	-	30	34	4	2	-	-	-	70
JUNE L	97	124	38	22	-	-	-	31	38	6	4	-	-	-	79
JULY F	84	86	47	32	-	-	-	27	27	7	5	-	-	-	66
JULY M	84	87	63	50	-	-	-	27	27	9	8	-	-	-	71
JULY L	91	97	85	69	-	-	-	29	30	13	11	-	-	-	83
AUG. F	77	86	79	71	-	-	-	25	27	12	11	-	-	-	75
AUG. M	73	86	78	78	-	-	-	23	27	12	12	-	-	-	74
AUG. L	74	95	70	70	-	-	-	24	29	10	11	-	-	-	74
SEP. F	35	76	34	44	-	-	-	22	29	6	9	-	-	-	66
SEP. M	48	72	11	28	-	-	-	19	28	2	6	-	-	-	55
SEP. L	30	46	-	15	-	-	-	12	18	-	3	-	-	-	33
OCT. F	11	17	-	-	-	-	-	4	7	-	-	-	-	-	11
OCT. M	-	-	-	-	10	10	-	-	-	-	-	4	4	-	8
OCT. L	-	-	-	-	23	23	-	-	-	-	-	9	10	-	19
NOV. F	-	-	-	-	25	25	-	-	-	-	-	10	11	-	21
NOV. M	-	-	-	-	30	30	6	-	-	-	-	12	13	2	27
NOV. L	-	-	-	-	35	35	15	-	-	-	-	14	15	5	34
DEC. F	-	-	-	-	24	24	16	-	-	-	-	10	10	7	27
DEC. M	-	-	-	-	22	22	19	-	-	-	-	9	9	8	26
DEC. L	-	-	-	-	23	23	26	-	-	-	-	9	10	11	30
TOTAL	1206	1100	562	493	498	246	406	420	360	86	83	202	106	168	1425

NOTE: COT.=COTTON, PAD.=PADDY, MAI-1=FULL TERM MAIZE, MAI-2=GREEN CUT MAIZE, BER-4=FULL TERM BERSEEM, BER-2=CATCH CROP BERSEEM, WHE.=WHEAT, NMR=NET WATER REQUIREMENT, GWR=GROSS WATER REQUIREMENT

CASE: J-1, J-3 ***** CALCULATION OF WATER REQUIREMENT ***** (UNIT: MM)

		UNIT WATER REQUIREMENT				NET WATER REQUIREMENT				TOTAL OF NWR					
		COT.	MAI-1	MAI-2	BER-4	BER-2	WHE.	COT.	PAD.	MAI-1	MAI-2	BER-4	BER-2	WHE.	TOTAL
		33 %	17 %	17 %	33 %	17 %	33 %	33 %	33 %	17 %	17 %	33 %	34 %	33 %	OF NWR
JAN.	F	-	-	-	25	25	27	-	-	-	-	10	11	11	52
	M	-	-	-	23	18	29	-	-	-	-	9	8	12	29
	L	-	-	-	23	11	33	-	-	-	-	9	5	14	28
FEB.	F	-	-	-	23	-	36	-	-	-	-	9	-	13	24
	M	-	-	-	28	-	32	-	-	-	-	12	-	25	
	L	-	-	-	22	-	30	-	-	-	-	9	-	21	
MAR.	F	-	-	-	33	-	42	-	-	-	-	14	-	17	
	M	5	-	-	32	-	38	2	-	-	-	13	-	31	
	L	12	-	-	41	-	31	5	-	-	-	17	-	35	
APR.	F	23	-	-	37	-	21	9	-	-	-	15	-	9	
	M	26	-	-	19	-	7	11	-	-	-	8	-	3	
	L	31	-	-	-	-	-	13	-	-	-	-	-	15	
MAY	F	34	3	-	-	-	-	22	1	-	-	-	-	-	
	M	65	7	8	-	-	-	27	3	-	-	-	-	-	
	L	83	26	19	-	-	-	34	11	-	-	-	-	-	
JUNE	F	89	82	30	9	-	-	29	27	5	2	-	-	-	
	M	94	110	38	19	-	-	31	36	6	3	-	-	-	
	L	97	124	55	36	-	-	32	41	9	6	-	-	-	
JULY	F	84	86	63	41	-	-	28	28	11	7	-	-	-	
	M	84	87	77	58	-	-	28	29	13	10	-	-	-	
	L	91	97	91	83	-	-	30	32	15	14	-	-	-	
AUG.	F	77	86	78	81	-	-	25	28	15	14	-	-	-	
	M	73	86	63	83	-	-	24	28	11	14	-	-	-	
	L	74	95	40	90	-	-	24	31	7	15	-	-	-	
SEP.	F	55	76	11	30	-	-	23	31	2	11	-	-	-	
	M	48	72	-	24	-	-	20	30	-	5	-	-	-	
	L	50	46	-	-	-	-	12	19	-	-	-	-	-	
OCT.	F	11	17	-	-	-	-	9	7	-	-	-	-	-	
	M	-	-	-	10	10	-	-	-	-	-	4	4	-	
	L	-	-	-	23	23	-	-	-	-	-	9	10	-	
NOV.	F	-	-	-	25	25	-	-	-	-	-	10	11	-	
	M	-	-	-	30	30	6	-	-	-	-	12	13	2	
	L	-	-	-	35	35	13	-	-	-	-	14	15	5	
DEC.	F	-	-	-	24	24	16	-	-	-	-	10	10	7	
	M	-	-	-	22	22	19	-	-	-	-	9	9	8	
	L	-	-	-	23	23	26	-	-	-	-	9	10	11	
TOTAL		1206	1100	573	374	498	246	406	434	382	98	101	202	106	168

NOTE: COT.=COTTON, PAD.=PADDY, MAI-1=FULL TERM MAIZE, MAI-2=GREEN CUT MAIZE, BER-4=FULL TERM BERSEEM, BER-2=CATCH CROP BERSEEM, WHE.=WHEAT, NWR=NET WATER REQUIREMENT, GWR=GROSS WATER REQUIREMENT

***** CALCULATION OF WATER REQUIREMENT ***** (UNIT: MM)

CASE: J-2

MONTH	DAY	UNIT WATER REQUIREMENT				NET WATER REQUIREMENT				TOTAL OF NHR					
		PAD.	MAI-1	MAI-2	BER-4	BER-2	WHE.	COT.	PAD.	MAI-1	MAI-2	BER-4	BER-2	WHE.	G.M.R.
								23 %	24 %	12 %	11 %	33 %	34 %	33 %	
JAN.	F	-	-	-	25	27	-	-	-	-	10	11	-	32	53
	M	-	-	-	23	18	-	-	-	-	9	8	-	29	48
	L	-	-	-	23	11	-	-	-	-	9	5	-	28	47
FEB.	F	-	-	-	23	36	-	-	-	-	9	-	-	24	40
	M	-	-	-	28	32	-	-	-	-	12	-	-	23	42
	L	-	-	-	22	30	-	-	-	-	9	-	-	21	35
MAR.	F	-	-	-	33	42	-	-	-	-	14	-	-	31	52
	M	5	-	-	32	38	1	-	-	-	13	-	-	30	50
	L	12	-	-	41	31	3	-	-	-	17	-	-	33	55
APR.	F	23	-	-	37	21	7	-	-	-	15	-	-	31	52
	M	26	-	-	19	7	7	-	-	-	8	-	-	18	30
	L	31	-	-	-	-	9	-	-	-	-	-	-	9	15
MAY	F	54	3	-	-	-	16	1	-	-	-	-	-	17	28
	M	63	7	-	-	-	19	2	-	-	-	-	-	22	37
	L	83	26	-	-	-	24	8	-	-	-	-	-	35	58
JUNE	F	89	82	9	-	-	20	20	4	1	-	-	-	45	75
	M	94	110	38	-	-	22	26	5	2	-	-	-	55	92
	L	97	134	55	-	-	22	30	7	4	-	-	-	63	105
JULY	F	84	86	63	41	-	19	21	8	3	-	-	-	53	88
	M	84	87	77	58	-	19	21	9	6	-	-	-	55	92
	L	91	97	91	63	-	21	23	11	9	-	-	-	64	107
AUG.	F	77	86	78	81	-	18	21	9	9	-	-	-	57	95
	M	73	86	83	83	-	17	21	8	9	-	-	-	55	92
	L	74	95	40	90	-	17	23	5	10	-	-	-	55	92
SEP.	F	55	76	11	50	-	16	23	2	7	-	-	-	48	80
	M	48	72	-	24	-	14	22	3	3	-	-	-	39	65
	L	30	46	-	-	-	9	14	-	-	-	-	-	23	38
OCT.	F	11	17	-	-	-	3	5	-	-	-	-	-	8	13
	M	-	-	-	10	10	-	-	-	-	4	4	-	8	13
	L	-	-	-	23	23	-	-	-	-	9	10	-	19	32
NOV.	F	-	-	-	25	25	-	-	-	-	10	11	-	21	35
	M	-	-	-	30	30	6	-	-	-	12	13	2	27	45
	L	-	-	-	35	35	13	-	-	-	14	15	5	34	57
DEC.	F	-	-	-	24	24	16	-	-	-	10	10	7	27	45
	M	-	-	-	22	22	19	-	-	-	9	9	8	26	43
	L	-	-	-	23	23	26	-	-	-	9	10	11	30	50
TOTAL		1206	1100	573	574	498	246	406	303	281	72	65	202	106	1197

NOTE: COT.=COTTON, PAD.=PADDY, MAI-1=FULL TERM MAIZE, MAI-2=GREEN CUT MAIZE, BER-4=FULL TERM BERSEEM, BER-2=CATCH CROP BERSEEM, WHE.=WHEAT, NHR=NET WATER REQUIREMENT, GWR=GROSS WATER REQUIREMENT

***** CALCULATION OF WATER REQUIREMENT *****
 CASE: J-4 (UNITS: MM)

DATE	UNIT WATER REQUIREMENT				NET WATER REQUIREMENT				COT. PAD. MAI-1 MAI-2 MAI-3 MAI-4				TOTAL OF NWR	G.W.R.	
	COT.	PAD.	MAI-1	MAI-2	MAI-3	MAI-4	BER-2	BER-4	BER-2	BER-4	BER-2	BER-4			BER-2
JAN. F	-	-	-	25	27	-	-	-	10	11	11	-	32	53	
M	-	-	-	23	29	-	-	-	9	8	12	-	29	48	
L	-	-	-	23	33	-	-	-	9	9	14	-	28	47	
FEB. F	-	-	-	23	36	-	-	-	9	-	15	-	24	40	
M	-	-	-	28	32	-	-	-	12	-	13	-	25	42	
L	-	-	-	22	30	-	-	-	9	-	12	-	21	35	
MAR. F	-	-	-	33	42	-	-	-	14	-	17	-	31	52	
M	5	-	-	32	38	2	-	-	13	-	16	-	31	52	
L	12	-	-	41	31	4	-	-	17	-	13	-	34	57	
APR. F	23	-	-	37	21	9	-	-	15	-	9	-	33	55	
M	26	-	-	19	7	10	-	-	8	-	3	-	21	35	
L	31	-	-	-	12	12	-	-	-	-	-	-	12	20	
MAY F	54	3	-	-	20	1	-	-	-	-	-	-	21	35	
M	63	7	8	-	24	3	-	-	-	-	-	-	28	47	
L	83	26	19	-	31	10	4	-	-	-	-	-	45	75	
JUNE F	89	82	30	9	27	25	4	1	-	-	-	-	57	95	
M	94	110	38	19	28	33	6	3	-	-	-	-	70	117	
L	97	124	55	36	29	37	8	5	-	-	-	-	79	132	
JULY F	84	86	63	41	23	26	9	6	-	-	-	-	66	110	
M	84	87	77	58	25	26	12	8	-	-	-	-	71	118	
L	91	97	91	83	27	29	14	12	-	-	-	-	82	137	
AUG. F	77	86	78	81	23	26	12	11	-	-	-	-	72	120	
M	73	86	83	83	22	26	9	12	-	-	-	-	69	115	
L	74	93	40	90	22	28	6	13	-	-	-	-	69	115	
SEP. F	55	76	11	30	21	28	2	9	-	-	-	-	60	100	
M	48	72	-	24	18	27	-	4	-	-	-	-	49	82	
L	30	46	-	-	11	17	-	-	-	-	-	-	28	47	
OCT. F	11	17	-	-	4	6	-	-	-	-	-	-	10	17	
M	-	-	-	-	10	10	-	-	-	-	-	-	8	13	
L	-	-	-	-	23	23	-	-	-	-	-	-	19	32	
NOV. F	-	-	-	25	25	25	-	-	10	11	-	-	21	35	
M	-	-	-	30	30	30	6	-	12	13	2	-	27	45	
L	-	-	-	33	35	35	13	-	14	15	5	-	34	57	
DEC. F	-	-	-	24	24	24	16	-	10	10	7	-	27	43	
M	-	-	-	22	22	22	19	-	9	9	8	-	26	43	
L	-	-	-	23	23	23	26	-	9	10	11	-	30	50	
TOTAL	1206	1100	573	574	498	246	406	394	348	87	84	202	106	168	1389

NOTE: COT.=COTTON, PAD.=PADDY, MAI-1=FULL TERM MAIZE, MAI-2=GREEN CUT MAIZE, MAI-3=FULL TERM BERSEEM, MAI-4=CATCH CROP BERSEEM, WHE.=WHEAT, NWR=NET WATER REQUIREMENT, GAR=GROSS WATER REQUIREMENT

CASE: K-1, K-3 ***** CALCULATION OF WATER REQUIREMENT ***** (UNIT: MM)

		***** UNIT WATER REQUIREMENT *****				***** NET WATER REQUIREMENT *****				***** TOTAL OF NWR G.U.R. *****							
		COT.	PAD.	MAI-1	MAI-2	BER-4	BER-2	WHE.	COT.	PAD.	MAI-1	MAI-2	BER-4	BER-2	WHE.	TOTAL	G.U.R.
		33 %	33 %	17 %	17 %	17 %	33 %	33 %	33 %	33 %	17 %	17 %	33 %	33 %	33 %		
JAN.	F	-	-	-	25	25	27	-	-	-	-	10	11	11	32	53	
	M	-	-	-	23	18	29	-	-	-	-	9	8	12	29	48	
	L	-	-	-	23	11	33	-	-	-	-	9	5	14	28	47	
FEB.	F	-	-	-	28	-	36	-	-	-	-	9	-	13	24	40	
	M	-	-	-	23	-	32	-	-	-	-	12	-	13	25	42	
	L	-	-	-	22	-	30	-	-	-	-	9	-	12	21	35	
MAR.	F	-	-	-	33	-	42	-	-	-	-	14	-	17	31	52	
	M	5	-	-	32	-	38	2	-	-	-	13	-	16	31	52	
	L	12	-	-	41	-	31	5	-	-	-	17	-	13	35	58	
APR.	F	23	-	-	37	-	21	9	-	-	-	15	-	9	33	55	
	M	26	-	-	19	-	7	11	-	-	-	8	-	3	22	37	
	L	31	-	-	-	-	-	13	-	-	-	-	-	13	22	22	
MAY	F	54	3	8	-	-	-	22	1	2	-	-	-	-	25	62	
	M	65	7	17	-	-	-	27	3	4	-	-	-	-	34	57	
	L	83	26	32	-	-	-	34	11	7	-	-	-	-	52	87	
JUNE	F	89	82	38	9	-	-	29	27	6	2	-	-	-	64	107	
	M	94	110	55	19	-	-	31	36	9	3	-	-	-	79	132	
	L	97	124	73	36	-	-	32	41	12	6	-	-	-	91	152	
JULY	F	84	86	77	41	-	-	28	28	13	7	-	-	-	76	127	
	M	84	87	83	58	-	-	28	29	14	10	-	-	-	81	135	
	L	91	97	90	83	-	-	30	32	15	14	-	-	-	91	152	
AUG.	F	77	86	63	61	-	-	25	28	11	14	-	-	-	78	130	
	M	73	86	37	83	-	-	24	28	6	14	-	-	-	72	120	
	L	74	95	13	90	-	-	24	31	2	15	-	-	-	72	120	
SEP.	F	55	76	-	50	-	-	23	31	-	11	-	-	-	65	108	
	M	48	72	-	24	-	-	20	30	-	5	-	-	-	55	92	
	L	30	46	-	-	-	-	12	19	-	-	-	-	-	31	52	
OCT.	F	11	17	-	-	-	-	5	7	-	-	-	-	-	12	20	
	M	-	-	-	-	-	-	-	-	-	-	-	-	-	8	13	
	L	-	-	-	23	23	-	-	-	-	-	9	10	-	19	32	
NOV.	F	-	-	-	25	25	-	-	-	-	-	10	11	-	21	33	
	M	-	-	-	30	30	6	-	-	-	-	12	13	2	27	45	
	L	-	-	-	35	35	13	-	-	-	-	14	15	5	34	57	
DEC.	F	-	-	-	24	24	16	-	-	-	-	10	10	7	27	43	
	M	-	-	-	22	22	19	-	-	-	-	9	9	6	26	43	
	L	-	-	-	23	23	26	-	-	-	-	9	10	11	30	50	
TOTAL		1206	1100	586	574	498	246	406	434	382	101	101	202	106	168	1494	2494

NOTE: COT.=COTTON, PAD.=PADDY, MAI-1=FULL TERM MAIZE, MAI-2=GREEN CUT MAIZE, BER-4=FULL TERM BERSEEM, BER-2=CATCH CROP BERSEEM, WHE.=WHEAT, NWR=NET WATER REQUIREMENT, GWR=GROSS WATER REQUIREMENT

CASE: K-2

***** CALCULATION OF WATER REQUIREMENT *****

(UNIT: MM)

MONTH	UNIT WATER REQUIREMENT			NET WATER REQUIREMENT			TOTAL OF NWR									
	COT. PAD.	MAI-1	MAI-2	BER-4	BER-2	WHE.	COT. PAD. 23%	MAI-1 11%	MAI-2 12%	BER-4 33%	BER-2 34%	WHE. 33%	G.U.R.			
JAN. F	-	-	-	23	25	27	-	-	-	10	11	11	33			
JAN. M	-	-	-	23	18	29	-	-	-	9	8	12	48			
JAN. L	-	-	-	23	11	33	-	-	-	9	5	14	28			
FEB. F	-	-	-	23	-	36	-	-	-	9	-	13	40			
FEB. M	-	-	-	28	-	32	-	-	-	12	-	13	42			
FEB. L	-	-	-	22	-	30	-	-	-	9	-	12	35			
MAR. F	-	-	-	33	-	42	-	-	-	14	-	17	52			
MAR. M	5	-	-	38	-	38	1	-	-	13	-	16	50			
MAR. L	12	-	-	41	-	31	3	-	-	17	-	13	53			
APR. F	23	-	-	37	-	21	7	-	-	15	-	9	31			
APR. M	24	-	-	19	-	7	7	-	-	8	-	3	18			
APR. L	31	-	-	-	-	-	9	-	-	-	-	-	9			
MAY F	34	3	8	-	-	-	16	1	-	-	-	-	18			
MAY M	65	7	17	-	-	-	19	2	-	-	-	-	38			
MAY L	83	26	32	-	-	-	24	7	-	-	-	-	58			
JUNE F	89	82	38	9	-	-	20	19	4	1	-	-	44			
JUNE M	94	110	55	19	-	-	22	25	6	2	-	-	55			
JUNE L	97	124	73	36	-	-	22	29	8	4	-	-	63			
JULY F	84	86	77	41	-	-	19	20	8	5	-	-	52			
JULY M	84	87	83	58	-	-	19	20	9	7	-	-	55			
JULY L	91	97	90	83	-	-	21	22	10	10	-	-	63			
AUG. F	77	86	63	81	-	-	18	20	7	10	-	-	55			
AUG. M	73	84	37	83	-	-	17	20	4	10	-	-	51			
AUG. L	74	95	13	90	-	-	17	22	1	11	-	-	51			
SEP. F	55	76	-	50	-	-	16	22	-	7	-	-	43			
SEP. M	48	72	-	24	-	-	14	21	-	4	-	-	39			
SEP. L	30	46	-	-	-	-	9	13	-	-	-	-	22			
OCT. F	11	17	-	-	-	-	3	5	-	-	-	-	8			
OCT. M	-	-	-	10	10	-	-	-	-	4	4	-	8			
OCT. L	-	-	-	23	23	-	-	-	-	9	10	-	19			
NOV. F	-	-	-	25	25	-	-	-	-	10	11	-	21			
NOV. M	-	-	-	30	30	6	-	-	-	12	13	2	27			
NOV. L	-	-	-	35	35	13	-	-	-	14	15	5	34			
DEC. F	-	-	-	24	24	16	-	-	-	10	10	7	27			
DEC. M	-	-	-	22	22	19	-	-	-	9	9	8	26			
DEC. L	-	-	-	23	23	26	-	-	-	9	10	11	30			
TOTAL	1206	1100	586	574	498	246	406	303	268	64	71	202	106	168	1182	1971

NOTE: COT.=COTTON, PAD.=PADDY, MAI-1=FULL TERM MAIZE, MAI-2=GREEN CUT MAIZE, BER-4=FULL TERM BERSEEM, BER-2=CATCH CROP BERSEEM, WHE.=WHEAT, NWR=NET WATER REQUIREMENT, CWR=GROSS WATER REQUIREMENT

CASE: K-4 ***** CALCULATION OF WATER REQUIREMENT ***** (UNIT: MM)

MONTH	UNIT WATER REQUIREMENT			NET WATER REQUIREMENT			WHEAT			MAIZE			PADDY			TOTAL OF NMR	G.M.R.
	COT.	PAD.	MAI-1	BER-2	BER-4	BER-4	COT.	PAD.	MAI-1	MAI-2	MAI-2	BER-2	BER-4	BER-4	WHE.		
	29 %	29 %	14 %	14 %	14 %	14 %	29 %	29 %	14 %	14 %	14 %	33 %	33 %	33 %	33 %	33 %	33 %
JAN. F				25			27					10	11	11	11	32	53
JAN. M				23			29					9	8	12	29	48	
JAN. L				23			33					9	5	14	28	47	
FEB. F				23			36					9		15	24	40	
FEB. M				28			32					12		13	25	42	
FEB. L				22			30					9		12	21	35	
MAR. F				33			42					14		17	33	52	
MAR. M				32			38					13		16	31	52	
MAR. L				41			31					17		13	34	57	
APR. F				37			21					15		9	32	53	
APR. M				19			7					6		3	20	33	
APR. L															11	18	
MAY. F			8						1							22	37
MAY. M			17						3							30	50
MAY. L			26						9							45	75
JUNE F			82						24							56	93
JUNE M			110						32							70	117
JUNE L			124						34							79	132
JULY F			86						25							64	110
JULY M			87						25							69	115
JULY L			97						28							79	132
AUG. F			66						25							67	112
AUG. M			66						25							63	105
AUG. L			74						28							64	107
SEP. F			76						28							57	95
SEP. M			72						26							47	78
SEP. L			46						17							28	47
OCT. F			17						4							10	17
OCT. M									6							8	13
OCT. L																19	32
NOV. F																21	35
NOV. M																27	45
NOV. L																34	57
DEC. F																27	45
DEC. M																26	43
DEC. L																30	50
TOTAL	1206	1100	586	574	498	246	406	379	338	85	64	202	106	168	1362	2272	

NOTE: COT.=COTTON, PAD.=PADDY, MAI-1=FULL TERM MAIZE, MAI-2=GREEN CUT MAIZE, BER-2=FULL TERM BERSEEM, BER-4=CATCH CROP BERSEEM, WHE.=WHEAT, NMR=NET WATER REQUIREMENT, GWR=GROSS WATER REQUIREMENT

CASE: L-1, L-3

***** CALCULATION OF WATER REQUIREMENT *****

(UNIT: MM)

		***** UNIT WATER REQUIREMENT *****				***** NET WATER REQUIREMENT *****				***** TOTAL OF NWR *****		***** G.W.R. *****					
		PAD. MAI-1 MAI-2 BER-4		BER-2 WHE.		PAD. MAI-1 MAI-2 BER-4		BER-2 WHE.		NWR		G.W.R.					
		33% 33%		33% 33%		17% 17%		34% 34%		33% 33%							
JAN.	F	-	-	25	27	-	-	-	10	11	11	32	53				
	M	-	-	23	29	-	-	-	9	8	12	29	48				
	L	-	-	23	33	-	-	-	9	5	14	28	47				
FEB.	F	-	-	23	36	-	-	-	9	-	15	24	40				
	M	-	-	28	32	-	-	-	12	-	15	25	42				
	L	-	-	22	30	-	-	-	9	-	12	21	35				
MAR.	F	-	-	33	42	-	-	-	14	-	17	31	52				
	M	5	-	32	38	2	-	-	13	-	16	31	52				
	L	12	-	41	31	5	-	-	17	-	13	35	58				
APR.	F	23	-	37	21	9	-	-	15	-	9	33	55				
	M	26	-	19	7	11	-	-	8	-	3	22	37				
	L	31	-	-	-	13	-	-	-	-	-	13	22				
MAY	F	54	3	-	-	22	1	-	-	-	-	23	38				
	M	65	7	-	-	27	3	-	-	-	-	30	50				
	L	83	26	-	-	34	11	2	-	-	-	47	78				
JUNE	F	89	82	9	-	29	27	3	-	-	-	61	102				
	M	94	110	19	-	31	36	3	-	-	-	75	125				
	L	97	124	36	-	32	41	6	-	-	-	85	142				
JULY	F	84	86	47	41	-	26	8	-	-	-	71	118				
	M	84	87	63	58	-	28	29	-	-	-	78	130				
	L	91	97	83	83	-	30	32	-	-	-	90	150				
AUG.	F	77	86	79	81	-	25	28	-	-	-	80	133				
	M	73	86	78	83	-	24	28	-	-	-	79	132				
	L	74	95	70	90	-	24	31	-	-	-	82	137				
SEP.	F	55	76	34	50	-	23	31	-	-	-	72	120				
	M	48	72	11	24	-	20	30	-	-	-	57	95				
	L	50	46	-	-	-	12	19	-	-	-	31	52				
OCT.	F	11	17	-	-	-	5	7	-	-	-	12	20				
	M	-	-	-	-	-	10	-	-	-	-	13	13				
	L	-	-	-	-	-	23	-	-	-	-	19	32				
NOV.	F	-	-	25	-	-	-	-	-	-	-	21	35				
	M	-	-	30	6	-	-	-	-	-	-	27	45				
	L	-	-	35	13	-	-	-	-	-	-	34	57				
DEC.	F	-	-	24	16	-	-	-	-	-	-	27	45				
	M	-	-	22	19	-	-	-	-	-	-	26	43				
	L	-	-	23	26	-	-	-	-	-	-	30	50				
TOTAL		1286	1100	562	574	498	246	406	434	392	96	101	202	106	168	1489	2483

NOTE: COT.-COTTON, PAD.-PADDY, MAI-1=FULL TERM MAIZE, MAI-2=GREEN CUT MAIZE, BER-4=FULL TERM BERSEEM, BER-2=CATCH CROP BERSEEM, WHE.=WHEAT, NWR=NET WATER REQUIREMENT, GWR=GROSS WATER REQUIREMENT

CASE 1 L-2
 ***** CALCULATION OF WATER REQUIREMENT *****
 (UNIT: MM)

MONTH	UNIT WATER REQUIREMENT			NET WATER REQUIREMENT			*****			TOTAL OF NWR	G.W.R.		
	PAD	MAI-1	MAI-2	BER-3	BER-2	UNCL	COT	PAR	MAI-1			MAI-2	BER-4
							25 %	25 %	12 %	12 %	33 %	34 %	33 %
JAN. F	-	-	-	25	27	-	-	-	-	10	11	-	11
JAN. M	-	-	-	23	29	-	-	-	-	9	8	-	12
JAN. L	-	-	-	23	31	-	-	-	-	9	5	-	14
FEB. F	-	-	-	20	36	-	-	-	-	9	-	-	15
FEB. M	-	-	-	28	32	-	-	-	-	12	-	-	13
FEB. L	-	-	-	22	30	-	-	-	-	9	-	-	12
MAR. F	-	-	-	33	42	-	-	-	-	16	-	-	17
MAR. M	5	-	-	32	38	2	-	-	-	13	-	-	16
MAR. L	12	-	-	41	31	4	-	-	-	17	-	-	13
APR. F	23	-	-	37	21	7	-	-	-	15	-	-	9
APR. M	26	-	-	19	7	6	-	-	-	8	-	-	3
APR. L	31	-	-	-	-	10	-	-	-	-	-	-	10
MAY F	34	3	-	-	-	17	1	-	-	-	-	-	-
MAY M	63	7	-	-	-	20	2	-	-	-	-	-	-
MAY L	63	26	9	-	-	26	6	1	-	-	-	-	-
JUNE F	89	82	18	9	-	22	20	2	1	-	-	-	-
JUNE M	94	110	30	19	-	24	26	4	2	-	-	-	-
JUNE L	97	124	36	36	-	24	30	5	4	-	-	-	-
JULY F	84	86	47	41	-	21	21	6	5	-	-	-	-
JULY M	84	87	63	56	-	21	21	6	7	-	-	-	-
JULY L	91	97	83	63	-	23	23	10	10	-	-	-	-
AUG. F	77	86	79	81	-	19	21	9	10	-	-	-	-
AUG. M	73	86	78	83	-	18	21	9	10	-	-	-	-
AUG. L	74	95	70	90	-	19	23	8	11	-	-	-	-
SEP. F	53	76	34	50	-	17	23	5	7	-	-	-	-
SEP. M	48	72	11	24	-	15	22	2	4	-	-	-	-
SEP. L	30	46	-	-	-	9	14	-	-	-	-	-	-
OCT. F	11	17	-	-	-	3	5	-	-	-	-	-	-
OCT. M	-	-	-	10	10	-	-	-	-	4	4	-	-
OCT. L	-	-	-	23	23	-	-	-	-	9	10	-	-
NOV. F	-	-	-	25	25	-	-	-	-	10	11	-	-
NOV. M	-	-	-	30	30	6	-	-	-	12	13	2	-
NOV. L	-	-	-	35	35	13	-	-	-	14	15	5	-
DEC. F	-	-	-	24	24	14	-	-	-	10	10	7	-
DEC. M	-	-	-	22	22	19	-	-	-	9	9	6	-
DEC. L	-	-	-	23	23	26	-	-	-	9	10	11	-
TOTAL	1206	1100	562	498	246	406	329	241	69	71	202	106	168
													1226
													2065

NOTE: COT=CATCH, PAR=PAD, MAI-1=FULL TON, MAI-2=PARTIAL TON, BER-3=FULL TON, BER-2=PARTIAL TON, UNCL=UNCL, WHE=WHE, MAI-1=FULL TON, MAI-2=PARTIAL TON, BER-4=FULL TON, BER-2=PARTIAL TON, WHE=WHE, MAI-1=FULL TON, MAI-2=PARTIAL TON, BER-4=FULL TON, BER-2=PARTIAL TON, WHE=WHE.

CASE: L-4 ***** CALCULATION OF WATER REQUIREMENT ***** (UNIT: MM)

MONTH	DAY	UNIT WATER REQUIREMENT				NET WATER REQUIREMENT				TOTAL OF NWR	G.W.R.						
		COT.	PAD.	MAI-1	MAI-2	BER-4	BER-2	WHE.	COT.			PAD.	MAI-1	MAI-2	BER-4	BER-2	WHE.
JAN.	F	-	-	-	-	25	27	-	-	-	-	10	11	11	52	53	
	M	-	-	-	-	23	29	-	-	-	-	9	6	12	29	48	
	L	-	-	-	-	23	33	-	-	-	-	9	5	14	28	47	
FEB.	F	-	-	-	-	23	36	-	-	-	-	9	-	15	24	40	
	M	-	-	-	-	28	32	-	-	-	-	12	-	13	25	42	
	L	-	-	-	-	22	30	-	-	-	-	9	-	12	21	35	
MAR.	F	-	-	-	-	33	42	-	-	-	-	14	-	17	31	52	
	M	5	-	-	-	32	38	2	-	-	-	13	-	16	31	52	
	L	12	-	-	-	41	31	5	-	-	-	17	-	13	35	58	
APR.	F	23	-	-	-	37	21	9	-	-	-	15	-	9	33	55	
	M	26	-	-	-	19	7	10	-	-	-	8	-	3	21	33	
	L	31	-	-	-	-	-	12	-	-	-	-	-	-	12	20	
MAY	F	54	3	-	-	-	-	21	1	-	-	-	-	-	22	37	
	M	65	7	-	-	-	-	25	3	-	-	-	-	-	28	47	
	L	63	26	-	-	-	-	32	10	2	-	-	-	-	44	73	
JUNE	F	89	82	18	9	-	-	28	25	3	1	-	-	-	57	95	
	M	94	110	30	19	-	-	29	34	3	3	-	-	-	71	116	
	L	97	124	38	36	-	-	30	38	6	5	-	-	-	79	132	
JULY	F	84	86	47	41	-	-	26	27	8	6	-	-	-	67	112	
	M	84	87	63	58	-	-	26	27	10	9	-	-	-	72	120	
	L	91	97	85	83	-	-	28	30	14	12	-	-	-	84	140	
AUG.	F	77	86	79	81	-	-	24	27	13	12	-	-	-	76	127	
	M	73	86	78	83	-	-	23	27	12	12	-	-	-	74	123	
	L	74	95	70	90	-	-	23	29	11	13	-	-	-	76	127	
SEP.	F	55	76	34	50	-	-	21	29	7	9	-	-	-	66	110	
	M	48	72	11	24	-	-	19	28	2	4	-	-	-	53	88	
	L	30	46	-	-	-	-	12	18	-	-	-	-	-	30	50	
OCT.	F	11	17	-	-	-	-	4	7	-	-	-	-	-	11	18	
	M	-	-	-	-	10	10	-	-	-	-	4	4	-	8	13	
	L	-	-	-	-	23	23	-	-	-	-	9	10	-	19	32	
NOV.	F	-	-	-	-	25	25	-	-	-	-	10	11	-	21	35	
	M	-	-	-	-	30	30	6	-	-	-	12	13	2	27	45	
	L	-	-	-	-	35	35	13	-	-	-	14	15	3	34	57	
DEC.	F	-	-	-	-	24	24	16	-	-	-	10	10	7	27	45	
	M	-	-	-	-	22	22	19	-	-	-	9	9	8	26	43	
	L	-	-	-	-	23	23	26	-	-	-	9	10	11	30	50	
TOTAL		1206	1100	562	574	498	266	406	409	360	93	86	202	106	168	1424	2374

NOTE: COT.=COTTON, PAD.=PADDY, MAI-1=FULL TERM MAIZE, MAI-2=GREEN CUT MAIZE, BER-4=FULL TERM BERSEEM, BER-2=CATCH CROP BERSEEM, WHE.=WHEAT, NWR=NET WATER REQUIREMENT, GWR=GROSS WATER REQUIREMENT

CASE: M-1, M-3 ***** CALCULATION OF WATER REQUIREMENT ***** (UNIT: MM)

	COT.	PAD.	MAI-1	MAI-2	BER-4	BER-2	WHE.	COT.	PAD.	MAI-1	MAI-2	BER-4	BER-2	WHE.	TOTAL	G.W.R.
								33 X	33 X	17 X	17 X	33 X	34 X	33 X	OF NHR	
JAN.	F	-	-	-	25	25	27	-	-	-	-	10	11	11	32	53
	M	-	-	-	23	18	29	-	-	-	-	9	8	12	29	48
	L	-	-	-	23	11	33	-	-	-	-	9	5	14	28	47
FEB.	F	-	-	-	23	-	36	-	-	-	-	9	-	15	24	40
	M	-	-	-	28	-	32	-	-	-	-	12	-	13	25	42
	L	-	-	-	22	-	30	-	-	-	-	9	-	12	21	35
MAR.	F	-	-	-	33	-	42	-	-	-	-	14	-	17	31	52
	M	5	-	-	32	-	38	2	-	-	-	13	-	16	31	52
	L	12	-	-	41	-	31	5	-	-	-	17	-	13	35	58
APR.	F	23	-	-	37	-	21	9	-	-	-	13	-	9	33	55
	M	26	-	-	19	-	7	11	-	-	-	8	-	3	22	37
	L	31	-	-	-	-	-	13	-	-	-	-	-	-	13	22
MAY	F	54	3	-	-	-	-	22	1	-	-	-	-	-	23	38
	M	65	7	8	-	-	-	27	3	2	-	-	-	-	32	53
	L	83	26	19	-	-	-	34	11	4	-	-	-	-	49	82
JUNE	F	89	82	30	-	-	-	29	27	5	-	-	-	-	61	102
	M	94	110	38	9	-	-	31	36	6	2	-	-	-	75	125
	L	97	124	55	20	-	-	32	41	9	3	-	-	-	85	142
JULY	F	84	86	63	28	-	-	28	28	11	4	-	-	-	71	118
	M	84	87	77	39	-	-	28	29	13	7	-	-	-	77	126
	L	91	97	91	64	-	-	30	32	15	11	-	-	-	88	147
AUG.	F	77	86	78	73	-	-	25	28	13	12	-	-	-	78	130
	M	73	86	63	81	-	-	24	28	11	14	-	-	-	77	128
	L	74	95	40	90	-	-	24	31	7	15	-	-	-	77	128
SEP.	F	55	76	11	50	-	-	23	31	2	11	-	-	-	67	112
	M	48	72	-	24	-	-	20	30	-	3	-	-	-	55	92
	L	30	46	-	-	-	-	12	19	-	-	-	-	-	31	52
OCT.	F	11	17	-	-	-	-	5	7	-	-	-	-	-	12	20
	M	-	-	-	-	-	-	-	-	-	-	-	-	-	8	13
	L	-	-	-	23	23	-	-	-	-	-	9	10	-	19	32
NOV.	F	-	-	-	25	25	-	-	-	-	-	10	11	-	21	35
	M	-	-	-	30	30	6	-	-	-	-	12	13	2	27	45
	L	-	-	-	35	35	13	-	-	-	-	14	15	5	34	57
DEC.	F	-	-	-	24	24	16	-	-	-	-	10	10	7	27	45
	M	-	-	-	22	22	19	-	-	-	-	9	9	8	26	43
	L	-	-	-	23	23	26	-	-	-	-	9	10	11	30	50
TOTAL		1206	1100	573	476	498	406	434	382	98	84	202	106	168	1474	2458

NOTE: COT.=COTTON. PAD.=PADDY. MAI-1=FULL TERM MAIZE. MAI-2=GREEN CUT MAIZE. BER-4=FULL TERM BERSEEM. BER-2=CATCH CROP BERSEEM. WHE.=WHEAT. NHR=NET WATER REQUIREMENT. GWR=GROSS WATER REQUIREMENT

***** CALCULATION OF WATER REQUIREMENT *****
 CASE: M-2 (UNIT: MM)

DATE	UNIT WATER REQUIREMENT				NET WATER REQUIREMENT				TOTAL OF NWR							
	COT.	PAD.	MAI-1	MAI-2	BER-2	BER-4	MAI-1	MAI-2	BER-2	BER-4	WHE.	33%	34%	35%		
JAN. F	-	-	-	-	25	-	-	-	10	11	11	32	53			
JAN. M	-	-	-	-	23	-	-	-	9	8	12	29	48			
JAN. L	-	-	-	-	23	-	-	-	9	5	14	28	47			
FEB. F	-	-	-	-	23	-	-	-	9	-	15	24	40			
FEB. M	-	-	-	-	32	-	-	-	12	-	13	25	42			
FEB. L	-	-	-	-	30	-	-	-	9	-	12	21	35			
MAR. F	-	-	-	-	33	-	-	-	14	-	17	31	52			
MAR. M	3	-	-	-	32	2	-	-	13	-	16	31	52			
MAR. L	12	-	-	-	41	4	-	-	17	-	13	34	57			
APR. F	23	-	-	-	37	7	-	-	15	-	9	31	52			
APR. M	26	-	-	-	19	6	-	-	8	-	3	19	32			
APR. L	31	-	-	-	-	10	-	-	-	-	-	10	17			
MAY F	34	3	-	-	-	17	1	-	-	-	-	18	30			
MAY M	65	7	6	-	-	20	2	1	-	-	-	23	38			
MAY L	83	26	19	-	-	26	8	3	-	-	-	37	62			
JUNE F	89	82	30	-	-	22	20	4	-	-	-	46	77			
JUNE M	94	110	38	9	-	24	26	5	1	-	-	56	93			
JUNE L	97	124	55	20	-	24	30	7	2	-	-	63	105			
JULY F	84	86	63	26	-	21	21	6	3	-	-	53	88			
JULY M	84	87	77	39	-	21	21	10	5	-	-	57	95			
JULY L	91	97	91	64	-	23	23	12	8	-	-	66	110			
AUG. F	77	86	78	73	-	19	21	10	9	-	-	59	98			
AUG. M	73	86	63	81	-	18	21	8	10	-	-	57	95			
AUG. L	74	95	40	90	-	19	23	5	11	-	-	58	97			
SEP. F	55	76	11	50	-	17	23	2	7	-	-	49	82			
SEP. M	48	72	-	24	-	15	22	4	4	-	-	41	68			
SEP. L	50	46	-	-	-	9	14	-	-	-	-	23	58			
OCT. F	11	17	-	-	-	3	5	-	-	-	-	8	13			
OCT. M	-	-	-	-	10	-	-	-	4	4	-	8	13			
OCT. L	-	-	-	-	23	-	-	-	9	10	-	19	32			
NOV. F	-	-	-	-	25	-	-	-	10	11	-	21	35			
NOV. M	-	-	-	-	30	6	-	-	12	13	2	27	45			
NOV. L	-	-	-	-	35	13	-	-	14	15	5	34	57			
DEC. F	-	-	-	-	24	24	-	-	10	10	7	27	45			
DEC. M	-	-	-	-	22	22	-	-	9	9	8	26	43			
DEC. L	-	-	-	-	23	23	-	-	9	10	11	30	50			
TOTAL	1204	1100	573	476	498	246	406	329	281	75	60	202	106	168	1221	2036

NOTE: COT.=COTTON, PAD.=PADDY, MAI-1=FULL TERM MAIZE, MAI-2=GREEN CUT MAIZE, BER-2=FULL TERM BERSEEM, BER-4=FULL TERM BERSEEM, WHE.=WHEAT, NWR=NET WATER REQUIREMENT, GWR=GROSS WATER REQUIREMENT

***** CALCULATION OF WATER REQUIREMENT ***** (UNIT: MM)

CASE: M-4

MONTH	UNIT WATER REQUIREMENT			NET WATER REQUIREMENT			WHE. OF NWR							
	PAD.	MAI-1	MAI-2	BER-4	BER-2	WHE.	COT.	PAD.	MAI-1	MAI-2	BER-4	BER-2	WHE.	TOTAL
							31 %	31 %	15 %	15 %	33 %	34 %	33 %	OF NWR
JAN. F	-	-	-	25	25	27	-	-	-	-	10	11	11	32
JAN. M	-	-	-	23	18	29	-	-	-	-	9	6	12	29
JAN. L	-	-	-	23	11	33	-	-	-	-	9	5	14	28
FEB. F	-	-	-	23	-	34	-	-	-	-	9	-	15	24
FEB. M	-	-	-	28	-	32	-	-	-	-	12	-	13	25
FEB. L	-	-	-	22	-	30	-	-	-	-	9	-	12	21
MAR. F	-	-	-	33	-	42	-	-	-	-	14	-	17	31
MAR. M	5	-	-	32	-	38	2	-	-	-	13	-	16	31
MAR. L	12	-	-	41	-	31	3	-	-	-	17	-	15	35
APR. F	23	-	-	37	-	21	9	-	-	-	15	-	9	33
APR. M	26	-	-	19	-	7	10	-	-	-	8	-	3	21
APR. L	31	-	-	-	-	-	12	-	-	-	-	-	-	12
MAY F	54	3	-	-	-	-	21	1	-	-	-	-	-	22
MAY M	65	7	-	-	-	-	25	3	1	-	-	-	-	29
MAY L	83	26	19	-	-	-	32	10	4	-	-	-	-	46
JUNE F	89	82	30	-	-	-	28	25	4	-	-	-	-	57
JUNE M	94	110	38	9	-	-	29	34	6	1	-	-	-	70
JUNE L	97	124	55	20	-	-	30	38	8	3	-	-	-	79
JULY F	84	86	63	26	-	-	26	27	9	4	-	-	-	66
JULY M	84	87	77	39	-	-	28	27	12	6	-	-	-	71
JULY L	91	97	91	64	-	-	28	30	14	10	-	-	-	82
AUG. F	77	86	78	73	-	-	24	27	12	11	-	-	-	74
AUG. M	73	86	63	61	-	-	23	27	9	12	-	-	-	71
AUG. L	74	95	40	90	-	-	23	29	6	13	-	-	-	71
SEP. F	55	76	11	50	-	-	21	29	2	9	-	-	-	61
SEP. M	48	72	-	24	-	-	19	28	-	4	-	-	-	51
SEP. L	30	46	-	-	-	-	12	18	-	-	-	-	-	30
OCT. F	11	17	-	-	-	-	4	7	-	-	-	-	-	11
OCT. M	-	-	-	10	10	-	-	-	-	-	4	4	-	8
OCT. L	-	-	-	23	23	-	-	-	-	-	9	10	-	19
NOV. F	-	-	-	25	25	-	-	-	-	-	10	11	-	21
NOV. M	-	-	-	30	30	6	-	-	-	-	12	13	2	27
NOV. L	-	-	-	35	35	13	-	-	-	-	14	15	3	34
DEC. F	-	-	-	24	24	16	-	-	-	-	10	10	7	27
DEC. M	-	-	-	22	22	19	-	-	-	-	9	9	6	26
DEC. L	-	-	-	23	23	26	-	-	-	-	9	10	11	30
TOTAL	1206	1100	573	476	498	246	409	360	87	73	202	106	168	1405

NOTE: COT.=COTTON, PAD.=PADDY, MAI-1=FULL TERM MAIZE, MAI-2=GREEN CUT MAIZE, BER-4=FULL TERM BERSEEM, BER-2=CATCH CROP BERSEEM, WHE.=WHEAT, NWR=NET WATER REQUIREMENT, CHR=GROSS WATER REQUIREMENT

CASE: N-1, N-3 ***** CALCULATION OF WATER REQUIREMENT ***** (UNIT: MM)

	COT.	PAD.	MAI-1	MAI-2	BER-4	BER-2	WHE.	COT.	PAD.	MAI-1	MAI-2	BER-4	BER-2	WHE.	TOTAL
								33 %	33 %	17 %	17 %	33 %	34 %	33 %	OF NWR
															G.W.R.
JAN.	F	-	-	-	25	25	27	-	-	-	-	10	11	11	32
	M	-	-	-	18	18	29	-	-	-	-	9	8	12	48
	L	-	-	-	23	11	33	-	-	-	-	9	5	14	28
FEB.	F	-	-	-	23	-	34	-	-	-	-	9	-	15	24
	M	-	-	-	28	-	32	-	-	-	-	12	-	13	25
	L	-	-	-	22	-	30	-	-	-	-	9	-	12	21
MAR.	F	-	-	-	32	-	42	-	-	-	-	14	-	17	31
	M	5	-	-	32	-	36	2	-	-	-	13	-	13	31
	L	12	-	-	41	-	31	5	-	-	-	17	-	13	35
APR.	F	23	-	-	37	-	21	9	-	-	-	15	-	9	33
	M	26	-	-	19	-	7	11	-	-	-	8	-	3	22
	L	31	-	-	-	-	-	13	-	-	-	-	-	-	15
MAY	F	34	3	8	-	-	-	22	1	2	-	-	-	-	25
	M	65	7	17	-	-	-	27	3	4	-	-	-	-	34
	L	83	26	32	-	-	-	34	11	7	-	-	-	-	37
JUNE	F	89	82	38	-	-	-	29	27	6	-	-	-	-	62
	M	94	110	55	9	-	-	31	36	9	2	-	-	-	78
	L	97	124	73	20	-	-	32	41	12	3	-	-	-	86
JULY	F	84	86	77	26	-	-	28	28	13	4	-	-	-	73
	M	84	87	83	39	-	-	28	29	14	7	-	-	-	78
	L	91	97	90	64	-	-	30	32	15	11	-	-	-	86
AUG.	F	77	86	63	73	-	-	25	28	11	12	-	-	-	76
	M	73	86	37	81	-	-	24	28	6	14	-	-	-	72
	L	74	95	13	90	-	-	24	31	2	15	-	-	-	72
SEP.	F	55	76	-	50	-	-	23	31	-	11	-	-	-	65
	M	48	72	-	24	-	-	20	30	-	5	-	-	-	55
	L	30	46	-	-	-	-	12	19	-	-	-	-	-	31
OCT.	F	11	17	-	-	-	-	5	7	-	-	-	-	-	12
	M	-	-	-	10	10	-	-	-	-	-	4	4	-	8
	L	-	-	-	23	23	-	-	-	-	-	9	10	-	19
NOV.	F	-	-	-	25	25	-	-	-	-	-	10	11	-	21
	M	-	-	-	30	30	6	-	-	-	-	12	13	2	27
	L	-	-	-	35	35	13	-	-	-	-	14	15	5	34
DEC.	F	-	-	-	24	24	16	-	-	-	-	10	10	7	27
	M	-	-	-	22	22	19	-	-	-	-	9	9	8	26
	L	-	-	-	23	23	26	-	-	-	-	9	10	11	30
TOTAL		1206	1100	586	476	498	246	434	582	101	84	202	106	168	1477

NOTE: COT.=COTTON, PAD.=PADDY, MAI-1=FULL TERM MAIZE, MAI-2=GREEN CUT MAIZE, BER-4=FULL TERM BERSEEM, BER-2=CATCH CROP BERSEEM, WHE.=WHEAT, NWR=NET WATER REQUIREMENT, GWR=GROSS WATER REQUIREMENT

***** CALCULATION OF WATER REQUIREMENT ***** (UNIT: MM)

CASE: N-2

MONTH	UNIT WATER REQUIREMENT				NET WATER REQUIREMENT				TOTAL OF NWR	C.W.R.				
	COT.	PAD.	MAI-1	MAI-2	BER-4	BER-2	WHE.	COT.			PAD.	MAI-1	MAI-2	BER-4
	25%	24%	12%	11%	33%	34%	33%	25%	24%	12%	11%	33%	34%	33%
JAN. F	-	-	-	-	25	25	27	-	-	-	-	10	11	11
M	-	-	-	-	23	18	29	-	-	-	-	9	8	12
L	-	-	-	-	23	11	33	-	-	-	-	9	5	14
FEB. F	-	-	-	-	23	-	36	-	-	-	-	9	-	15
M	-	-	-	-	28	-	32	-	-	-	-	12	-	13
L	-	-	-	-	22	-	30	-	-	-	-	9	-	12
MAR. F	-	-	-	-	33	-	42	-	-	-	-	14	-	17
M	5	-	-	-	32	1	38	1	-	-	-	13	-	16
L	12	-	-	-	41	3	31	3	-	-	-	17	-	13
APR. F	23	-	-	-	37	-	21	7	-	-	-	15	-	9
M	26	-	-	-	19	-	7	7	-	-	-	8	-	3
L	31	-	-	-	-	-	-	9	-	-	-	-	-	9
MAY F	54	3	8	-	-	-	-	16	1	1	-	-	-	18
M	65	7	17	-	-	-	-	19	2	3	-	-	-	24
L	83	26	32	-	-	-	-	24	8	5	-	-	-	37
JUNE F	89	82	38	-	-	-	-	20	20	5	-	-	-	45
M	94	110	53	9	-	-	-	22	26	7	1	-	-	56
L	97	124	73	20	-	-	-	22	30	9	2	-	-	63
JULY F	84	86	77	26	-	-	-	19	21	9	3	-	-	52
M	84	87	83	39	-	-	-	19	21	10	4	-	-	54
L	91	97	90	64	-	-	-	21	23	11	7	-	-	62
AUG. F	77	86	63	73	-	-	-	18	21	8	6	-	-	55
M	73	86	37	81	-	-	-	17	21	4	9	-	-	51
L	74	93	13	90	-	-	-	17	23	2	10	-	-	52
SEP. F	55	76	-	50	-	-	-	16	23	-	7	-	-	46
M	48	72	-	24	-	-	-	14	22	-	3	-	-	39
L	50	46	-	-	-	-	-	9	14	-	-	-	-	23
OCT. F	11	17	-	-	-	-	-	3	3	-	-	-	-	8
M	-	-	-	-	10	10	-	-	-	-	-	4	4	8
L	-	-	-	-	23	23	-	-	-	-	-	9	10	19
NOV. F	-	-	-	-	23	23	-	-	-	-	-	10	11	21
M	-	-	-	-	30	30	6	-	-	-	-	12	13	27
L	-	-	-	-	35	35	13	-	-	-	-	14	15	34
DEC. F	-	-	-	-	24	24	16	-	-	-	-	10	10	27
M	-	-	-	-	22	22	19	-	-	-	-	9	9	26
L	-	-	-	-	23	23	26	-	-	-	-	9	10	30
TOTAL	1206	1100	566	476	498	246	406	303	281	74	54	202	106	168

NOTE: COT.=COTTON; PAD.=PADDY; MAI-1=FULL TERM MAIZE; MAI-2=GREEN CUT MAIZE; BER-4=FULL TERM BERSEEM; BER-2=CATCH CROP BERSEEM; WHE.=WHEAT; NWR=NET WATER REQUIREMENT; CWR=GROSS WATER REQUIREMENT

CASE: N-4 ***** CALCULATION OF WATER REQUIREMENT ***** (UNIT: MM)

MONTH	DAY	UNIT WATER REQUIREMENT				NET WATER REQUIREMENT				TOTAL OF NWR	G.W.R.					
		COT. 30%	PAD. 30%	MAI-1 14%	MAI-2 15%	BER-2 33%	BER-4 33%	MAI-1 14%	MAI-2 15%			BER-2 33%	BER-4 33%			
JAN.	F	-	-	-	-	-	-	-	-	-	-	32	53			
	M	-	-	25	27	-	-	-	-	10	11	11	48			
	L	-	-	23	29	-	-	-	-	9	8	12	29			
FEB.	F	-	-	23	33	-	-	-	-	9	5	14	47			
	M	-	-	23	36	-	-	-	-	9	-	15	40			
	L	-	-	22	32	-	-	-	-	12	-	13	42			
MAR.	F	-	-	22	30	-	-	-	-	9	-	12	35			
	M	-	-	33	42	-	-	-	-	14	-	17	52			
	L	-	-	32	38	-	-	-	-	13	-	16	31			
APR.	F	-	-	41	31	-	-	-	-	17	-	13	57			
	M	-	-	37	21	-	-	-	-	15	-	9	33			
	L	-	-	19	7	-	-	-	-	8	-	3	21			
MAY	F	-	-	-	-	-	-	-	-	-	-	12	20			
	M	3	8	-	-	20	1	-	-	-	-	-	22			
	L	7	17	-	-	24	3	-	-	-	-	-	30			
JUNE	F	8	32	-	-	31	10	-	-	-	-	-	47			
	M	26	82	-	-	27	25	-	-	-	-	-	57			
	L	83	110	-	-	28	33	-	-	-	-	-	70			
JULY	F	97	124	-	-	29	37	-	-	-	-	-	79			
	M	86	77	-	-	25	26	-	-	-	-	-	66			
	L	87	83	-	-	26	26	-	-	-	-	-	69			
AUG.	F	97	90	-	-	27	29	-	-	-	-	-	79			
	M	86	63	-	-	23	26	-	-	-	-	-	69			
	L	86	37	-	-	22	26	-	-	-	-	-	65			
SEP.	F	95	13	-	-	22	28	-	-	-	-	-	65			
	M	76	50	-	-	21	28	-	-	-	-	-	58			
	L	48	24	-	-	18	27	-	-	-	-	-	49			
OCT.	F	46	-	-	-	11	17	-	-	-	-	-	28			
	M	17	-	-	-	4	6	-	-	-	-	-	10			
	L	-	-	-	-	-	-	-	-	4	4	8	13			
NOV.	F	-	-	23	23	-	-	-	-	9	10	19	32			
	M	-	-	25	25	-	-	-	-	10	11	21	35			
	L	-	-	30	30	-	-	-	-	12	13	27	45			
DEC.	F	-	-	35	35	-	-	-	-	14	15	34	57			
	M	-	-	24	24	-	-	-	-	10	10	27	45			
	L	-	-	23	23	-	-	-	-	9	9	26	43			
TOTAL	1206	1100	586	476	498	246	406	394	348	65	73	202	106	168	1376	2296

NOTE: COT.=COTTON, PAD.=PADDY, MAI-1=FULL TERM MAIZE, MAI-2=GREEN CUT MAIZE, BER-2=FULL TERM BERSEEM, BER-4=CATCH CROP BERSEEM, WHE.=WHEAT, NWR=NET WATER REQUIREMENT, CHR=GROSS WATER REQUIREMENT

CASE 1. 0-1, 0-3 ***** CALCULATION OF WATER REQUIREMENT ***** (UNIT: MM)

COT.	UNIT WATER REQUIREMENT				NET WATER REQUIREMENT				TOTAL OF NWR G.W.R.				
	MAI-1	MAI-2	BER-4	BER-2	WHE.	COT. 33%	MAI-1 17%	MAI-2 33%	BER-4 34%	BER-2 33%	WHE.	33%	33%
JAN. F	-	-	-	23	25	27	-	-	10	11	11	32	53
M	-	-	-	23	18	29	-	-	9	8	12	29	48
L	-	-	-	23	11	33	-	-	9	5	14	28	47
FEB. F	-	-	-	23	-	36	-	-	9	-	15	24	40
M	-	-	-	28	-	32	-	-	12	-	13	25	42
L	-	-	-	22	-	30	-	-	9	-	12	21	35
MAR. F	-	-	-	33	-	42	-	-	14	-	17	31	52
M	5	-	-	32	-	38	2	-	13	-	16	31	52
L	12	-	-	41	-	31	5	-	17	-	13	35	58
APR. F	23	-	-	37	-	21	9	-	15	-	9	33	55
M	26	-	-	19	-	7	11	-	8	-	3	22	37
L	31	-	-	-	-	-	13	-	-	-	-	13	22
MAY F	54	3	-	-	-	-	22	1	-	-	-	23	38
M	85	7	-	-	-	-	27	3	-	-	-	30	50
L	83	26	9	-	-	-	34	11	2	-	-	47	78
JUNE F	89	82	18	-	-	-	29	27	3	-	-	59	98
M	94	110	30	9	-	-	31	36	5	2	-	74	123
L	97	124	38	20	-	-	32	41	6	3	-	82	137
JULY F	84	86	47	26	-	-	28	28	8	4	-	68	113
M	84	87	83	39	-	-	28	29	11	7	-	75	123
L	91	97	85	64	-	-	30	32	14	11	-	87	143
AUG. F	77	86	79	73	-	-	25	28	13	12	-	78	130
M	73	86	78	81	-	-	24	28	13	14	-	79	132
L	74	95	70	90	-	-	24	31	12	15	-	82	137
SEP. F	55	76	34	50	-	-	23	31	7	11	-	72	120
M	48	72	11	24	-	-	20	30	2	3	-	57	95
L	30	46	-	-	-	-	12	19	-	-	-	31	52
OCT. F	11	17	-	-	-	-	5	7	-	-	-	12	20
M	-	-	-	10	10	-	-	-	4	4	-	8	13
L	-	-	-	23	23	-	-	-	9	10	-	19	32
NOV. F	-	-	-	25	25	-	-	-	10	11	-	21	35
M	-	-	-	30	30	6	-	-	12	13	2	27	45
L	-	-	-	35	35	13	-	-	14	15	5	34	57
DEC. F	-	-	-	24	24	16	-	-	10	10	7	27	45
M	-	-	-	22	22	19	-	-	9	9	8	26	43
L	-	-	-	23	23	26	-	-	9	10	11	30	50
TOTAL	1206	1100	562	476	498	246	434	382	96	84	202	106	1472

NOTE: COT.=COTTON, PAD.=PADDY, MAI-1=FULL TERM MAIZE, MAI-2=GREEN CUT MAIZE, BER-4=FULL TERM BERSEEM, BER-2=CATCH CROP BERSEEM, WHE.=WHEAT, NWR=NET WATER REQUIREMENT, GWR=GROSS WATER REQUIREMENT

***** CALCULATION OF WATER REQUIREMENT *****

CASE: 0-2

(UNIT: MM)

MONTH	UNIT WATER REQUIREMENT			NET WATER REQUIREMENT			COT. PAD. MAI-1 MAI-2 MAI-3 MAI-4 MAI-5			TOTAL OF NWR	C.W.R.			
	COT.	PAD.	WHE.	COT.	PAD.	WHE.	25%	13%	12%			33%	34%	33%
JAN.	-	-	-	25	25	27	-	-	-	10	11	11	32	53
FEB.	-	-	-	23	18	29	-	-	-	9	8	12	29	48
MAR.	-	-	-	23	11	33	-	-	-	9	5	14	28	47
APR.	-	-	-	23	-	36	-	-	-	9	-	15	24	40
MAY	-	-	-	22	-	30	-	-	-	9	-	12	25	42
JUN.	-	-	-	33	-	42	-	-	-	14	-	17	31	52
JUL.	-	-	-	32	-	38	2	-	-	13	-	16	31	52
AUG.	-	-	-	41	-	51	4	-	-	17	-	13	34	57
SEP.	-	-	-	37	-	21	7	-	-	15	-	9	31	52
OCT.	-	-	-	19	-	7	8	-	-	8	-	3	19	32
NOV.	-	-	-	-	-	-	10	-	-	-	-	-	10	17
DEC.	-	-	-	-	-	-	17	1	-	-	-	-	18	30
TOTAL	1206	1100	562	476	498	246	406	329	301	74	60	202	106	1468

NOTE: COT.=COTTON, PAD.=PADDY, MAI-1=FULL TERM MAIZE, MAI-2=GREEN CUT MAIZE, MAI-3=FULL TERM BERSEEM, MAI-4=FULL TERM BERSEEM, MAI-5=FULL TERM BERSEEM, WHE.=WHEAT, NWR=NET WATER REQUIREMENT, CWR=GROSS WATER REQUIREMENT

***** CALCULATION OF WATER REQUIREMENT *****
(UNITS MM)

CASE 1 0-4

		***** UNIT WATER REQUIREMENT *****		***** NET WATER REQUIREMENT *****		***** OF NWR G.W.R. *****	
		COT. PAD. MAI-1 MAI-2 BER-4	BER-2 WHE.	COT. PAD. MAI-1 MAI-2 BER-4	BER-2 WHE.	TOTAL	
		SI X 32 X	16 X 33 X	15 X 33 X	34 X 33 X		
JAN.	F	-	25	-	10	11	32
	M	-	23	-	9	8	29
	L	-	23	-	9	5	26
FEB.	F	-	23	-	9	-	24
	M	-	28	-	12	-	23
	L	-	22	-	9	-	21
MAR.	F	-	33	-	14	17	31
	M	5	32	2	13	16	31
	L	12	41	5	17	13	35
APR.	F	23	37	9	15	9	33
	M	26	19	7	8	3	21
	L	31	-	12	-	-	12
MAY	F	34	-	21	1	-	22
	M	63	-	25	3	-	28
	L	83	-	32	10	2	44
JUNE	F	89	-	28	26	3	57
	M	94	18	29	35	5	70
	L	97	30	30	40	6	79
JULY	F	84	47	26	28	8	66
	M	84	78	39	26	10	70
	L	91	85	64	28	14	83
AUG.	F	77	79	73	24	13	76
	M	73	86	81	23	12	75
	L	74	95	90	23	11	77
SEP.	F	55	34	50	21	9	67
	M	48	11	24	19	2	54
	L	50	-	-	12	16	30
OCT.	F	11	-	-	4	7	11
	M	-	10	-	-	-	8
	L	-	23	-	-	9	19
NOV.	F	-	25	-	-	10	21
	M	-	30	6	-	12	27
	L	-	35	13	-	14	34
DEC.	F	-	24	16	-	10	27
	M	-	22	19	-	9	26
	L	-	23	26	-	9	30
TOTAL		1206	1100	562	476	498	1423
				372	93	202	1423

NOTE: COT.-COTTON, PAD.-PADDY, MAI-1=FULL TERM MAIZE, MAI-2=GREEN CUT MAIZE, BER-4=FULL TERM BERSEEM, BER-2=CATCH CROP BERSEEM, WHE.=WHEAT, NWR=NET WATER REQUIREMENT, GWR=GROSS WATER REQUIREMENT

CASE: 1st Year ***** CALCULATION OF WATER REQUIREMENT ***** (UNIT: MM)

***** UNIT WATER REQUIREMENT *****		***** NET WATER REQUIREMENT *****		***** TOTAL *****			
LER.	COT.	LER.	COT.	LER.	COT.		
20 %	0 %	20 %	0 %	20 %	0 %		
0 %	0 %	0 %	0 %	0 %	0 %		
JAN. F	41	-	-	25	27	10	17
M	43	-	-	23	26	11	18
L	-	-	-	23	11	33	0
FEB. F	45	-	-	20	36	11	18
M	45	-	-	20	32	11	18
L	-	-	-	22	30	-	0
MAR. F	63	-	-	32	42	19	27
M	67	5	-	32	39	17	26
L	12	-	-	41	31	-	0
APR. F	86	23	-	37	21	21	35
M	86	26	-	19	7	21	35
L	31	-	-	-	-	-	0
MAY F	123	54	3	-	-	31	52
M	131	63	7	-	-	33	53
L	-	83	26	9	-	-	0
JUNE F	-	89	82	10	-	-	0
M	-	94	110	30	9	-	0
L	-	97	124	38	20	-	0
JULY F	-	84	86	47	26	-	0
M	-	84	87	63	37	-	0
L	-	91	97	85	84	-	0
AUG. F	-	77	86	79	73	-	0
M	-	73	85	78	81	-	0
L	-	74	93	70	90	-	0
SEP. F	-	55	76	34	50	-	0
M	-	48	72	11	24	-	0
L	-	30	46	-	-	-	0
OCT. F	81	11	17	-	-	20	33
M	86	-	-	10	10	21	39
L	-	-	-	23	23	-	0
NOV. F	56	-	-	25	25	14	23
M	56	-	-	30	30	14	23
L	-	-	-	35	13	-	0
DEC. F	42	-	-	24	16	10	17
M	45	-	-	22	19	11	18
L	-	-	-	23	23	-	0
TOTAL	1095	1206	1100	562	476	406	272
							452

NOTE: COT=COTTON, PAD=PADDY, MAI=MAIZE, SER=SERENGETI GRASS, MAI-2=SERENGETI GRASS, MAI-1=MAIZE, SER-2=SERENGETI GRASS, SER-1=MAIZE, GRP=GRASS, GRP-2=SERENGETI GRASS, GRP-1=MAIZE, UNK=UNKNOWN, UNK-2=SERENGETI GRASS, UNK-1=MAIZE, UNK-3=SERENGETI GRASS, UNK-4=MAIZE, UNK-5=SERENGETI GRASS, UNK-6=MAIZE, UNK-7=SERENGETI GRASS, UNK-8=MAIZE, UNK-9=SERENGETI GRASS, UNK-10=MAIZE, UNK-11=SERENGETI GRASS, UNK-12=MAIZE, UNK-13=SERENGETI GRASS, UNK-14=MAIZE, UNK-15=SERENGETI GRASS, UNK-16=MAIZE, UNK-17=SERENGETI GRASS, UNK-18=MAIZE, UNK-19=SERENGETI GRASS, UNK-20=MAIZE, UNK-21=SERENGETI GRASS, UNK-22=MAIZE, UNK-23=SERENGETI GRASS, UNK-24=MAIZE, UNK-25=SERENGETI GRASS, UNK-26=MAIZE, UNK-27=SERENGETI GRASS, UNK-28=MAIZE, UNK-29=SERENGETI GRASS, UNK-30=MAIZE, UNK-31=SERENGETI GRASS, UNK-32=MAIZE, UNK-33=SERENGETI GRASS, UNK-34=MAIZE, UNK-35=SERENGETI GRASS, UNK-36=MAIZE, UNK-37=SERENGETI GRASS, UNK-38=MAIZE, UNK-39=SERENGETI GRASS, UNK-40=MAIZE, UNK-41=SERENGETI GRASS, UNK-42=MAIZE, UNK-43=SERENGETI GRASS, UNK-44=MAIZE, UNK-45=SERENGETI GRASS, UNK-46=MAIZE, UNK-47=SERENGETI GRASS, UNK-48=MAIZE, UNK-49=SERENGETI GRASS, UNK-50=MAIZE, UNK-51=SERENGETI GRASS, UNK-52=MAIZE, UNK-53=SERENGETI GRASS, UNK-54=MAIZE, UNK-55=SERENGETI GRASS, UNK-56=MAIZE, UNK-57=SERENGETI GRASS, UNK-58=MAIZE, UNK-59=SERENGETI GRASS, UNK-60=MAIZE, UNK-61=SERENGETI GRASS, UNK-62=MAIZE, UNK-63=SERENGETI GRASS, UNK-64=MAIZE, UNK-65=SERENGETI GRASS, UNK-66=MAIZE, UNK-67=SERENGETI GRASS, UNK-68=MAIZE, UNK-69=SERENGETI GRASS, UNK-70=MAIZE, UNK-71=SERENGETI GRASS, UNK-72=MAIZE, UNK-73=SERENGETI GRASS, UNK-74=MAIZE, UNK-75=SERENGETI GRASS, UNK-76=MAIZE, UNK-77=SERENGETI GRASS, UNK-78=MAIZE, UNK-79=SERENGETI GRASS, UNK-80=MAIZE, UNK-81=SERENGETI GRASS, UNK-82=MAIZE, UNK-83=SERENGETI GRASS, UNK-84=MAIZE, UNK-85=SERENGETI GRASS, UNK-86=MAIZE, UNK-87=SERENGETI GRASS, UNK-88=MAIZE, UNK-89=SERENGETI GRASS, UNK-90=MAIZE, UNK-91=SERENGETI GRASS, UNK-92=MAIZE, UNK-93=SERENGETI GRASS, UNK-94=MAIZE, UNK-95=SERENGETI GRASS, UNK-96=MAIZE, UNK-97=SERENGETI GRASS, UNK-98=MAIZE, UNK-99=SERENGETI GRASS, UNK-100=MAIZE

CASE: 2nd Year ***** CALCULATION OF WATER REQUIREMENT ***** (UNIT: MM)

		UNIT WATER REQUIREMENT				NET WATER REQUIREMENT				TOTAL										
		LEA.	COT.	PAD.	MAI-1	MAI-2	BER-4	BER-2	UNE.	LEA.	COT.	PAD.	MAI-1	MAI-2	BER-4	BER-2	UNE.	DF	NWR	G.W.R.
		%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%		
JAN.	F	43	-	-	-	-	-	25	27	20	-	-	-	-	-	-	-	-	20	33
	M	45	-	-	-	-	-	23	18	21	-	-	-	-	-	-	-	-	21	35
	L	-	-	-	-	-	-	23	11	33	-	-	-	-	-	-	-	-	0	0
FEB.	F	45	-	-	-	-	-	23	36	22	-	-	-	-	-	-	-	-	22	37
	M	45	-	-	-	-	-	28	32	22	-	-	-	-	-	-	-	-	22	37
	L	-	-	-	-	-	-	22	30	-	-	-	-	-	-	-	-	-	0	0
MAR.	F	63	-	-	-	-	-	33	42	31	-	-	-	-	-	-	-	-	31	52
	M	67	5	-	-	-	-	32	38	33	-	-	-	-	-	-	-	-	33	55
	L	-	12	-	-	-	-	41	31	-	-	-	-	-	-	-	-	-	0	0
APR.	F	86	23	-	-	-	-	37	21	43	-	-	-	-	-	-	-	-	43	72
	M	86	26	-	-	-	-	19	7	43	-	-	-	-	-	-	-	-	43	72
	L	-	31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	0
MAY	F	123	54	3	-	-	-	-	-	61	-	-	-	-	-	-	-	-	61	102
	M	131	65	7	-	-	-	-	-	65	-	-	-	-	-	-	-	-	65	108
	L	-	83	26	9	-	-	-	-	-	-	-	-	-	-	-	-	-	0	0
JUNE	F	-	89	82	18	-	-	-	-	-	-	-	-	-	-	-	-	-	0	0
	M	-	94	110	30	9	-	-	-	-	-	-	-	-	-	-	-	-	0	0
	L	-	97	124	38	20	-	-	-	-	-	-	-	-	-	-	-	-	0	0
JULY	F	-	84	86	47	26	-	-	-	-	-	-	-	-	-	-	-	-	0	0
	M	-	84	87	63	39	-	-	-	-	-	-	-	-	-	-	-	-	0	0
	L	-	91	97	85	64	-	-	-	-	-	-	-	-	-	-	-	-	0	0
AUG.	F	-	77	86	79	73	-	-	-	-	-	-	-	-	-	-	-	-	0	0
	M	-	73	86	78	81	-	-	-	-	-	-	-	-	-	-	-	-	0	0
	L	-	74	95	70	90	-	-	-	-	-	-	-	-	-	-	-	-	0	0
SEP.	F	-	53	76	34	50	-	-	-	-	-	-	-	-	-	-	-	-	0	0
	M	-	48	72	11	24	-	-	-	-	-	-	-	-	-	-	-	-	0	0
	L	-	30	46	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	0
OCT.	F	81	11	17	-	-	-	-	-	40	-	-	-	-	-	-	-	-	40	67
	M	86	-	-	-	-	-	10	10	43	-	-	-	-	-	-	-	-	43	72
	L	-	-	-	-	-	-	23	23	-	-	-	-	-	-	-	-	-	0	0
NOV.	F	56	-	-	-	-	-	30	25	28	-	-	-	-	-	-	-	-	28	47
	M	56	-	-	-	-	-	30	30	6	28	-	-	-	-	-	-	-	28	47
	L	-	-	-	-	-	-	35	35	13	-	-	-	-	-	-	-	-	0	0
DEC.	F	42	-	-	-	-	-	24	24	21	-	-	-	-	-	-	-	-	21	35
	M	45	-	-	-	-	-	22	22	19	22	-	-	-	-	-	-	-	22	37
	L	-	-	-	-	-	-	23	23	26	-	-	-	-	-	-	-	-	0	0
TOTAL		1096	1206	1100	562	476	498	266	406	543	-	-	-	-	-	-	-	-	543	908

NOTE: COT.=COTTON, PAD.=PADDY, MAI-1=FULL TERM MAIZE, MAI-2=GREEN CUT MAIZE, BER-4=FULL TERM BERSEEM, BER-2=CATCH CROP BERSEEM, UNE.=WHEAT, NWR=NET WATER REQUIREMENT, GWR=GROSS WATER REQUIREMENT, LEA.=LEACHING WATER

CASE: 3rd Year ***** CALCULATION OF WATER REQUIREMENT ***** (UNIT: MM)

***** UNIT WATER REQUIREMENT *****		***** NET WATER REQUIREMENT *****		***** OF NWR G.M.R. *****								
LEA. 40%	COT. 20%	MAI-1 20%	MAI-2 20%	BER-4 20%	BER-2 20%	WHE. 0%	TOTAL OF NWR	G.M.R.				
JAN. F	41	-	-	25	27	20	-	6	26	43		
JAN. M	43	-	-	23	18	29	-	6	27	45		
JAN. L	-	-	-	23	11	33	-	6	6	10		
FEB. F	45	-	-	23	-	36	-	6	-	28		
FEB. M	45	-	-	28	-	32	-	7	-	29		
FEB. L	-	-	-	22	-	30	-	5	-	48		
MAR. F	63	-	-	33	-	42	-	6	-	5		
MAR. M	67	5	-	32	-	38	-	8	-	39		
MAR. L	12	-	-	41	-	31	-	10	-	41		
APR. F	86	23	-	37	-	21	-	9	-	10		
APR. M	86	26	-	19	-	7	-	5	-	17		
APR. L	-	31	-	-	-	-	-	-	-	32		
MAY F	123	54	3	-	-	61	1	-	-	48		
MAY M	131	65	7	-	-	65	2	-	-	80		
MAY L	-	83	26	9	-	-	6	-	-	0		
JUNE F	-	89	82	18	-	-	16	-	-	62		
JUNE M	-	94	110	30	9	-	22	-	-	103		
JUNE L	-	97	124	38	20	-	25	-	-	112		
JULY F	-	84	86	47	26	-	-	-	-	6		
JULY M	-	84	87	63	39	-	-	-	-	16		
JULY L	-	91	97	85	64	-	-	-	-	27		
AUG. F	-	77	86	79	73	-	17	-	-	37		
AUG. M	-	73	86	78	81	-	17	-	-	28		
AUG. L	-	74	95	70	90	-	19	-	-	28		
SEP. F	-	55	76	34	50	-	19	-	-	17		
SEP. M	-	48	72	11	24	-	16	-	-	28		
SEP. L	-	30	46	-	-	-	11	-	-	19		
OCT. F	81	11	17	-	-	40	4	-	-	32		
OCT. M	86	-	-	10	10	43	-	2	-	30		
OCT. L	-	-	-	23	23	-	-	6	-	18		
NOV. F	56	-	-	25	25	28	-	6	-	11		
NOV. M	56	-	-	30	30	6	-	7	-	44		
NOV. L	-	-	-	35	35	13	-	9	-	45		
DEC. F	42	-	-	24	24	16	-	6	-	73		
DEC. M	45	-	-	22	22	19	-	7	-	73		
DEC. L	-	-	-	23	23	26	-	6	-	10		
TOTAL	1096	1206	1100	562	476	498	246	406	543	230	896	1493

NOTE: COT.=COTTON, PAD.=PADDY, MAI-1=FULL TERM MAIZE, MAI-2=GREEN CUT MAIZE, BER-4=FULL TERM BERSEEM, BER-2=CATCH CROP BERSEEM, WHE.=WHEAT, NWR=NET WATER REQUIREMENT, GWR=GROSS WATER REQUIREMENT, LEA.=LEACHING WATER

CASE: 4th Year
 ***** CALCULATION OF WATER REQUIREMENT *****
 (UNIT: MM)

	LEA. COT.	PAD. MAI-1	MAI-2	BER-4	BER-2	WHE.	LEA. COT.	PAD. MAI-1	MAI-2	BER-4	BER-2	WHE.	NET WATER REQUIREMENT	40% 0%	40% 0%	40% 0%	40% 0%	40% 0%	40% 0%	TOTAL OF NWR	G.W.R.
JAN.	F 41	-	-	-	25	27	20	-	-	-	-	-	-	-	-	12	-	-	-	32	53
	M 43	-	-	-	23	18	21	-	-	-	-	-	-	-	-	11	-	-	-	32	53
	L -	-	-	-	23	11	33	-	-	-	-	-	-	-	-	11	-	-	-	11	18
FEB.	F 45	-	-	-	23	-	22	-	-	-	-	-	-	-	-	11	-	-	-	33	55
	M 45	-	-	-	28	-	22	-	-	-	-	-	-	-	-	14	-	-	-	36	60
	L -	-	-	-	22	-	30	-	-	-	-	-	-	-	-	11	-	-	-	11	18
MAR.	F 63	-	-	-	33	-	42	-	-	-	-	-	-	-	-	16	-	-	-	47	78
	M 67	5	-	-	32	-	38	-	-	-	-	-	-	-	-	16	-	-	-	49	82
	L 12	-	-	-	41	-	31	-	-	-	-	-	-	-	-	20	-	-	-	20	53
APR.	F 86	23	-	-	37	-	21	-	-	-	-	-	-	-	-	18	-	-	-	61	102
	M 86	26	-	-	19	-	43	-	-	-	-	-	-	-	-	9	-	-	-	52	87
	L 31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	0
MAY	F 123	54	3	-	-	-	61	-	-	-	-	-	-	-	-	-	-	-	-	62	103
	M 131	63	7	-	-	-	63	-	-	-	-	-	-	-	-	-	-	-	-	68	113
	L 83	26	9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	13	22
JUNE	F -	89	82	18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	33	55
	M -	94	110	30	9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	44	73
	L -	97	124	38	20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	50	83
JULY	F -	84	86	47	26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	34	57
	M -	84	87	63	39	-	-	-	-	-	-	-	-	-	-	-	-	-	-	33	58
	L -	91	97	85	64	-	-	-	-	-	-	-	-	-	-	-	-	-	-	39	65
AUG.	F -	77	86	79	73	-	-	-	-	-	-	-	-	-	-	-	-	-	-	34	57
	M -	73	86	78	81	-	-	-	-	-	-	-	-	-	-	-	-	-	-	34	57
	L -	74	93	70	90	-	-	-	-	-	-	-	-	-	-	-	-	-	-	36	63
SEP.	F -	55	76	34	50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	38	63
	M -	48	72	11	24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	36	60
	L -	30	46	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	23	38
OCT.	F 81	11	17	-	-	-	40	-	-	-	-	-	-	-	-	-	-	-	-	48	80
	M 86	-	-	-	10	10	43	-	-	-	-	-	-	-	-	5	-	-	-	48	80
	L -	-	-	-	23	23	-	-	-	-	-	-	-	-	-	11	-	-	-	11	18
NOV.	F 56	-	-	-	25	25	-	-	-	-	-	-	-	-	-	-	-	-	-	40	67
	M 56	-	-	-	30	30	6	28	-	-	-	-	-	-	-	-	-	-	-	43	72
	L -	-	-	-	35	35	13	-	-	-	-	-	-	-	-	-	-	-	-	17	28
DEC.	F 42	-	-	-	24	24	16	21	-	-	-	-	-	-	-	-	-	-	-	33	55
	M 45	-	-	-	22	22	19	22	-	-	-	-	-	-	-	-	-	-	-	33	55
	L -	-	-	-	23	23	26	-	-	-	-	-	-	-	-	-	-	-	-	11	18
TOTAL	1096	1206	1100	562	476	498	246	406	543	-	-	-	463	-	-	243	-	-	-	1249	2079

NOTE: COT.=COTTON, PAD.=PADDY, MAI-1=FULL TERM MAIZE, MAI-2=GREEN CUT MAIZE, BER-4=FULL TERM BERSEEM, BER-2=CATCH CROP BERSEEM, WHE.=WHEAT, NWR=NET WATER REQUIREMENT, GWR=GROSS WATER REQUIREMENT, LEA.=LEACHING WATER

CASE: 5ch Year ***** CALCULATION OF WATER REQUIREMENT ***** (UNIT: MM)

		***** UNIT WATER REQUIREMENT *****				***** NET WATER REQUIREMENT *****				***** TOTAL *****			
		LEA.	COT.	PAD.	MAI-1 MAI-2 BER-4 BER-2 WHE.	LEA.	COT.	PAD.	MAI-1 MAI-2 BER-4 BER-2 WHE.	OF NWR	G.W.R.		
		40 %	0 %	60 %	0 %	40 %	0 %	60 %	0 %	55 %	7 %	0 %	
JAN.	F	41	-	-	-	25	20	-	-	17	2	-	
	M	43	-	-	-	23	21	-	-	15	2	39	
	L	-	-	-	-	23	33	-	-	15	1	38	
FEB.	F	45	-	-	-	23	22	-	-	15	-	16	
	M	45	-	-	-	28	22	-	-	19	-	37	
	L	-	-	-	-	22	30	-	-	15	-	41	
MAR.	F	63	-	-	-	33	31	-	-	22	-	15	
	M	67	5	-	-	32	33	-	-	21	-	53	
	L	-	12	-	-	41	31	-	-	27	-	54	
APR.	F	86	23	-	-	37	43	-	-	25	-	27	
	M	86	26	-	-	19	43	-	-	15	-	68	
	L	-	31	-	-	-	-	-	-	-	-	56	
MAY	F	123	54	3	-	-	61	2	-	-	-	0	
	M	131	65	7	-	-	62	3	-	-	-	63	
	L	-	83	26	9	-	-	19	-	-	-	70	
JUNE	F	-	89	82	18	-	-	49	-	-	-	19	
	M	-	94	110	30	9	-	66	-	-	-	49	
	L	-	97	124	38	20	-	74	-	-	-	66	
JULY	F	-	84	86	47	26	-	52	-	-	-	74	
	M	-	84	87	63	39	-	52	-	-	-	52	
	L	-	91	97	85	64	-	58	-	-	-	52	
AUG.	F	-	77	86	79	73	-	52	-	-	-	58	
	M	-	73	86	78	81	-	52	-	-	-	52	
	L	-	74	95	70	90	-	57	-	-	-	52	
SEP.	F	-	55	76	34	30	-	37	-	-	-	57	
	M	-	48	72	11	24	-	54	-	-	-	57	
	L	-	30	46	-	-	-	34	-	-	-	54	
OCT.	F	81	11	17	-	-	40	13	-	7	2	34	
	M	86	-	-	-	10	43	-	-	15	-	53	
	L	-	-	-	-	23	23	-	-	-	-	51	
NOV.	F	56	-	-	-	25	28	-	-	-	-	17	
	M	56	-	-	-	30	28	-	-	17	3	47	
	L	-	-	-	-	35	15	-	-	20	3	51	
DEC.	F	42	-	-	-	24	24	-	-	23	3	26	
	M	45	-	-	-	22	19	-	-	16	2	39	
	L	-	-	-	-	23	26	-	-	15	2	39	
TOTAL		1096	1206	1100	562	476	498	246	406	543	696	22	1593

NOTE: COT.=COTTON, PAD.=PADDY, MAI-1=FULL TERM MAIZE, MAI-2=GREEN CUT MAIZE, MAI-4=FULL TERM BERSEEM, BER-2=CATCH CROP BERSEEM, WHE.=WHEAT, NWR=NET WATER REQUIREMENT, GWR=GROSS WATER REQUIREMENT, LEA.=LEACHING WATER

CASE: 6th Year ***** CALCULATION OF WATER REQUIREMENT ***** (UNIT: MM)

		***** UNIT WATER REQUIREMENT *****				***** NET WATER REQUIREMENT *****				*****		*****									
		LEA.	COT.	PAD.	MAI-1	MAI-2	BER-4	BER-2	WHE.	LEA.	COT.	PAD.	MAI-1	MAI-2	BER-4	BER-2	WHE.	TOTAL	OF NWR	G.W.R.	
		20 %	7 %	66 %	3 %	4 %	60 %	13 %	7 %	20 %	7 %	66 %	3 %	4 %	60 %	13 %	7 %				
JAN.	F	41	-	-	-	25	27	10	-	-	-	-	-	19	4	2	35	58			
	M	43	-	-	-	23	18	11	-	-	-	-	-	17	3	3	34	57			
	L	-	-	-	-	23	11	33	-	-	-	-	-	17	2	3	22	37			
FEB.	F	45	-	-	-	23	36	11	-	-	-	-	-	17	-	3	31	52			
	M	45	-	-	-	28	52	11	-	-	-	-	-	21	-	3	35	58			
	L	-	-	-	-	22	30	-	-	-	-	-	-	16	-	3	19	32			
MAR.	F	62	-	-	-	33	42	16	-	-	-	-	-	25	-	4	43	73			
	M	67	5	-	-	32	38	17	0	-	-	-	-	24	-	3	44	73			
	L	12	-	-	-	41	31	-	1	-	-	-	-	31	-	3	35	58			
APR.	F	86	23	-	-	37	21	21	3	-	-	-	-	28	-	2	53	88			
	M	86	26	-	-	19	7	21	3	-	-	-	-	14	-	1	38	63			
	L	31	-	-	-	-	-	-	3	-	-	-	-	-	-	-	3	5			
MAY	F	123	54	3	-	-	-	31	3	2	-	-	-	-	-	-	38	63			
	M	131	65	7	-	-	-	33	6	6	-	-	-	-	-	-	45	72			
	L	83	26	9	-	-	-	-	7	21	0	-	-	-	-	-	28	47			
JUNE	F	-	89	82	18	-	-	-	6	54	1	-	-	-	-	-	61	102			
	M	-	94	110	30	9	-	-	7	73	1	0	-	-	-	-	81	135			
	L	-	97	124	38	20	-	-	7	82	1	1	-	-	-	-	91	152			
JULY	F	-	84	86	47	26	-	-	6	57	1	1	-	-	-	-	65	108			
	M	-	84	87	63	39	-	-	6	57	2	2	-	-	-	-	67	112			
	L	-	91	97	85	64	-	-	6	64	3	3	-	-	-	-	76	127			
AUG.	F	-	77	86	79	73	-	-	5	57	2	2	3	-	-	-	67	112			
	M	-	73	86	78	81	-	-	5	57	2	2	3	-	-	-	67	112			
	L	-	74	95	70	90	-	-	5	63	2	2	4	-	-	-	74	123			
SEP.	F	-	55	76	34	50	-	-	5	63	1	2	-	-	-	-	71	118			
	M	-	48	72	11	24	-	-	4	59	0	1	-	-	-	-	64	107			
	L	-	30	46	-	-	-	-	3	58	-	-	-	-	-	-	41	68			
OCT.	F	81	11	17	-	-	-	20	1	14	-	-	-	-	-	-	35	58			
	M	86	-	-	-	10	10	21	-	21	-	-	-	17	2	-	30	50			
	L	-	-	-	-	23	23	-	-	-	-	-	-	17	2	-	21	33			
NOV.	F	56	-	-	-	25	25	14	-	14	-	-	-	19	4	-	37	63			
	M	56	-	-	-	30	30	14	-	14	-	-	-	22	3	1	43	70			
	L	-	-	-	-	35	35	13	-	13	-	-	-	26	6	1	53	53			
DEC.	F	43	-	-	-	24	24	10	-	10	-	-	-	18	4	1	33	55			
	M	43	-	-	-	22	22	19	11	11	-	-	-	16	4	2	33	55			
	L	-	-	-	-	23	23	26	-	26	-	-	-	17	4	2	23	38			
TOTAL		1096	1206	1100	562	476	498	266	406	272	92	767	16	20	371	42	37	1617	2693		

NOTE: COT.=COTTON, PAD.=PADDY, MAI-1=FULL TERM MAIZE, MAI-2=GREEN CUT MAIZE, BER-4=FULL TERM BERSEEM, BER-2=CATCH CROP BERSEEM, WHE.=WHEAT, NWR=NET WATER REQUIREMENT, CWR=GROSS WATER REQUIREMENT, LRA.=LEACHING WATER

***** CALCULATION OF WATER REQUIREMENT *****

CASE: 7th Year

(UNIT: MM)

		***** UNIT WATER REQUIREMENT *****		***** NET WATER REQUIREMENT *****		***** OF NWR G.W.R. *****												
		LEA. COT.	PAD. MAI-1 MAI-2 BER-4 BER-2 WHE.	LEA. COT.	PAD. MAI-1 MAI-2 BER-4 BER-2 WHE.													
		0 X 13 X 73 X 7 X 7 X 73 X 13 X 14 X	0 X 13 X 73 X 7 X 7 X 73 X 13 X 14 X															
JAN.	F	41	-	23	27	-	23	4	5	32	53							
	M	43	-	23	29	-	21	3	2	29	48							
	L	-	-	23	33	-	21	2	6	29	48							
FEB.	F	43	-	23	36	-	21	-	6	27	45							
	M	43	-	28	32	-	26	-	6	32	53							
	L	-	-	22	30	-	20	-	3	25	42							
MAR.	F	63	-	33	42	-	30	-	7	37	62							
	M	67	-	32	36	-	29	-	7	37	62							
	L	12	-	41	31	-	37	-	5	44	73							
APR.	F	86	-	37	21	-	34	-	4	42	70							
	M	86	-	19	7	-	17	-	1	22	37							
	L	31	-	-	-	-	-	-	-	5	8							
MAY	F	123	3	-	-	-	9	3	-	-	12	20						
	M	131	7	-	-	-	11	6	-	-	17	28						
	L	83	26	-	-	-	13	24	-	-	38	63						
JUNE	F	-	82	18	-	-	12	60	-	-	73	122						
	M	-	94	30	9	-	12	80	-	-	93	158						
	L	-	97	124	20	-	13	91	-	-	108	180						
JULY	F	-	84	26	-	-	11	63	-	-	79	132						
	M	-	84	67	39	-	11	64	-	-	82	137						
	L	-	91	97	85	-	12	71	-	-	93	155						
AUG.	F	-	77	86	79	73	-	10	63	6	84	140						
	M	-	73	86	78	81	-	9	63	6	83	138						
	L	-	74	95	70	90	-	10	69	5	90	150						
SEP.	F	-	55	76	34	50	-	9	69	3	83	142						
	M	-	48	72	11	24	-	8	66	1	77	128						
	L	-	30	46	-	-	-	3	42	-	47	78						
OCT.	F	81	11	17	-	-	-	2	16	-	18	30						
	M	66	-	-	-	-	-	-	-	-	11	16						
	L	-	-	-	-	-	-	-	-	-	25	42						
NOV.	F	36	-	-	-	-	-	-	-	-	27	43						
	M	56	-	-	-	-	-	-	-	-	33	52						
	L	-	-	-	-	-	-	-	-	-	40	67						
DEC.	F	42	-	-	-	-	-	-	-	-	39	48						
	M	45	-	-	-	-	-	-	-	-	37	45						
	L	-	-	-	-	-	-	-	-	-	50	50						
TOTAL		1096	1206	1100	562	476	498	246	406	173	850	40	34	454	42	71	1464	2772

NOTE: COT.=COTTON, PAD.=PADDY, MAI-1=FULL TERM MAIZE, MAI-2=GREEN CUT MAIZE, BER-4=FULL TERM BERSEEM, BER-2=CATCH CROP BERSEEM, WHE.=WHEAT, NWR=NET WATER REQUIREMENT, GWR=GROSS WATER REQUIREMENT, LEA.=LEACHING WATER

***** CALCULATION OF WATER REQUIREMENT *****

CASE: 8th Year

(UNIT: MM)

		UNIT WATER REQUIREMENT		NET WATER REQUIREMENT		TOTAL												
LEA. COT. PAD. MAI-1 MAI-2 BER-4 BER-2 WHE.		LEA. COT. PAD. MAI-1 MAI-2 BER-4 BER-2 WHE.		0% 20% 60% 10% 10% 53% 27% 20%		OF NWR G.W.R.												
JAN.	F	41	-	25	27	-	17	8	7	32	53							
	M	43	-	23	18	29	-	15	6	7	28							
	L	-	-	23	11	33	-	15	4	8	27							
FEB.	F	45	-	23	-	36	-	15	-	9	24							
	M	45	-	28	-	32	-	19	-	8	27							
	L	-	-	22	-	30	-	15	-	7	22							
MAR.	F	63	-	33	-	42	-	22	-	10	32							
	M	67	5	32	-	38	-	21	-	9	31							
	L	12	-	41	-	31	-	27	-	8	38							
APR.	F	86	23	37	-	21	-	25	-	3	36							
	M	86	26	19	-	7	-	13	-	2	21							
	L	31	-	-	-	8	-	-	-	8	13							
MAY	F	123	54	-	-	-	13	2	-	-	13							
	M	131	65	-	-	-	16	5	-	-	21							
	L	83	26	9	-	-	21	19	1	-	41							
JUNE	F	89	82	18	-	-	18	49	2	-	69							
	M	94	110	30	9	-	19	66	3	1	89							
	L	97	124	38	20	-	19	74	4	2	99							
JULY	F	84	86	47	26	-	17	52	5	3	77							
	M	84	87	63	39	-	17	52	6	4	79							
	L	91	97	85	64	-	18	58	8	6	90							
AUG.	F	77	86	79	73	-	15	52	8	7	82							
	M	73	86	78	81	-	15	52	8	8	85							
	L	74	95	70	90	-	15	57	7	9	88							
SEP.	F	55	76	34	50	-	14	37	4	6	81							
	M	48	72	11	24	-	12	34	1	3	70							
	L	30	46	-	-	-	7	34	-	-	41							
OCT.	F	81	11	17	-	-	3	13	-	-	16							
	M	86	-	-	-	-	10	10	-	7	17							
	L	-	-	-	-	-	23	23	-	15	23							
NOV.	F	56	-	-	-	-	33	33	-	17	22							
	M	56	-	-	-	-	30	30	6	20	31							
	L	-	-	-	-	-	33	33	13	23	38							
DEC.	F	42	-	-	-	-	24	24	16	6	28							
	M	43	-	-	-	-	22	19	-	7	27							
	L	-	-	-	-	-	23	23	26	15	29							
TOTAL		1096	1206	1100	562	476	498	246	406	263	696	57	49	332	82	99	1578	2630

NOTE: COT.=COTTON, PAD.=PADDY, MAI-1=FULL TERM MAIZE, MAI-2=GREEN CUT MAIZE, BER-4=FULL TERM BRUSSELS, BER-2=CATCH CROP BERSEEM, WHE.=WHEAT, NWR=NET WATER REQUIREMENT, GWR=GROSS WATER REQUIREMENT, LEA.=LEAKING WATER

CASE: 9th Year ***** CALCULATION OF WATER REQUIREMENT ***** (UNIT: MM)

***** UNIT WATER REQUIREMENT *****		***** LEA. COT. PAD. MAI-1 MAI-2 BER-4 BER-2 WHE. 0% 26% 46% 14% 14% 14% 47% 26% 27% *****		***** LEA. COT. PAD. MAI-1 MAI-2 BER-4 BER-2 WHE. 0% 26% 46% 14% 14% 14% 47% 26% 27% *****		***** LEA. COT. PAD. MAI-1 MAI-2 BER-4 BER-2 WHE. 0% 26% 46% 14% 14% 14% 47% 26% 27% *****		***** LEA. COT. PAD. MAI-1 MAI-2 BER-4 BER-2 WHE. 0% 26% 46% 14% 14% 14% 47% 26% 27% *****		***** LEA. COT. PAD. MAI-1 MAI-2 BER-4 BER-2 WHE. 0% 26% 46% 14% 14% 14% 47% 26% 27% *****									
LEA.	COT.	PAD.	MAI-1	MAI-2	BER-4	BER-2	WHE.	0%	26%	46%	14%	14%	14%	47%	26%	27%	TOTAL	OF NMR	G.W.R.
JAN.	F	41	-	-	25	25	27	-	-	-	-	15	8	9	-	-	32	53	
	M	43	-	-	23	18	29	-	-	-	-	14	6	10	-	-	50	50	
	L	-	-	-	23	11	33	-	-	-	-	14	4	11	-	-	29	48	
FEB.	F	45	-	-	23	-	36	-	-	-	-	14	-	12	-	-	26	43	
	M	45	-	-	28	-	32	-	-	-	-	16	-	11	-	-	27	45	
	L	-	-	-	22	-	30	-	-	-	-	13	-	10	-	-	23	38	
MAR.	F	63	-	-	33	-	42	-	-	-	-	19	-	14	-	-	33	53	
	M	67	-	-	32	-	38	-	-	-	-	19	-	13	-	-	34	57	
	L	12	-	-	41	-	31	-	-	-	-	24	-	10	-	-	34	63	
APR.	F	86	23	-	37	-	21	-	7	-	-	22	-	7	-	-	36	60	
	M	86	26	-	19	-	7	-	8	-	-	11	-	2	-	-	21	35	
	L	31	-	-	-	-	-	-	10	-	-	-	-	-	-	-	10	17	
MAY	F	123	54	3	-	-	-	-	16	2	-	-	-	-	-	-	20	33	
	M	131	65	7	-	-	-	-	21	4	-	-	-	-	-	-	23	42	
	L	63	26	9	-	-	-	-	27	15	2	-	-	-	-	-	44	73	
JUNE	F	-	89	62	18	-	-	-	23	38	3	-	-	-	-	-	64	107	
	M	-	94	110	30	9	-	-	24	51	4	1	-	-	-	-	80	133	
	L	-	97	124	38	20	-	-	25	57	5	3	-	-	-	-	90	150	
JULY	F	-	84	86	47	26	-	-	22	40	7	4	-	-	-	-	73	122	
	M	-	84	87	63	39	-	-	22	40	9	5	-	-	-	-	76	127	
	L	-	91	97	83	64	-	-	24	42	12	9	-	-	-	-	90	150	
AUG.	F	-	77	86	79	73	-	-	20	40	11	10	-	-	-	-	81	135	
	M	-	73	86	78	81	-	-	19	40	11	11	-	-	-	-	81	135	
	L	-	74	95	70	90	-	-	19	44	10	13	-	-	-	-	86	143	
SEP.	F	-	55	76	34	50	-	-	18	44	6	9	-	-	-	-	77	128	
	M	-	48	72	11	24	-	-	16	41	2	4	-	-	-	-	63	105	
	L	-	30	46	-	-	-	-	10	26	-	-	-	-	-	-	36	60	
OCT.	F	81	11	17	-	-	-	-	4	10	-	-	-	-	-	-	14	23	
	M	86	-	-	-	-	-	-	-	-	-	-	6	3	-	-	9	13	
	L	-	-	-	-	-	-	-	-	-	-	-	14	7	-	-	21	33	
NOV.	F	36	-	-	-	-	-	-	-	-	-	-	15	8	-	-	23	38	
	M	56	-	-	-	-	-	-	-	-	-	-	18	10	2	-	30	50	
	L	-	-	-	-	-	-	-	-	-	-	-	21	11	4	-	36	60	
DEC.	F	42	-	-	-	-	-	-	-	-	-	-	14	8	3	-	27	45	
	M	43	-	-	-	-	-	-	-	-	-	-	13	7	6	-	36	43	
	L	-	-	-	-	-	-	-	-	-	-	-	14	7	9	-	30	50	
TOTAL		1096	1206	1100	562	474	498	246	406	-	343	537	82	69	296	79	135	1541	2366

NOTE: COT.=COTTON, PAD.=PADDY, MAI-1=FULL TERM MAIZE, MAI-2=GREEN CUT MAIZE, BER-4=FULL TERM BERSEEM, BER-2=CATCH CROP BERSEEM, WHE.=WHEAT, NUR=NET WATER REQUIREMENT, CUR=GROSS WATER REQUIREMENT, LEA.=LEACHING WATER

***** CALCULATION OF WATER REQUIREMENT *****
 CASE: 10th Year (UNIT: MM)

		***** UNIT WATER REQUIREMENT *****		***** LEA. COT. 0 x 33% *****		***** NET WATER REQUIREMENT *****		***** OF NWR G.W.R. *****										
		LEA. COY.	PAD. MAI-1 MAI-2 BER-4 BER-2 WHE.	LEA. COT.	PAD. MAI-1 MAI-2 BER-4 BER-2 WHE.	0 x 33%	33% 17% 17% 33% 34% 33%	TOTAL	G.W.R.									
JAN.	F	41	-	-	25	27	-	10	11	32	53							
	M	43	-	-	23	29	-	9	8	29	48							
	L	-	-	-	23	33	-	9	5	14	47							
FEB.	F	43	-	-	23	36	-	9	15	24	40							
	M	45	-	-	28	32	-	12	13	25	42							
	L	-	-	-	22	30	-	9	12	21	35							
MAR.	F	63	-	-	33	42	-	14	17	31	52							
	M	67	3	-	32	38	2	13	16	31	52							
	L	12	-	-	41	31	5	17	13	35	58							
APR.	F	86	23	-	37	21	9	15	9	33	55							
	M	86	24	-	19	7	11	8	3	22	37							
	L	31	-	-	-	-	13	-	-	13	22							
MAY	F	123	54	3	-	-	22	1	-	23	38							
	M	131	65	7	-	-	27	3	-	30	50							
	L	83	26	9	-	-	34	11	2	47	78							
JUNE	F	89	82	18	-	-	29	27	3	59	98							
	M	94	110	30	9	-	31	36	5	74	123							
	L	97	124	38	20	-	32	41	6	82	137							
JULY	F	84	86	47	26	-	28	28	8	68	113							
	M	84	87	63	39	-	28	29	11	75	125							
	L	91	97	85	64	-	30	32	14	87	145							
AUG.	F	77	86	79	73	-	25	28	13	78	130							
	M	73	86	78	81	-	24	28	13	79	132							
	L	74	95	70	90	-	24	31	12	82	137							
SEP.	F	55	76	34	50	-	23	31	7	72	120							
	M	48	72	11	24	-	20	30	2	57	95							
	L	30	46	-	-	-	12	19	-	31	52							
OCT.	F	81	11	17	-	-	3	7	-	12	20							
	M	86	-	-	10	10	-	-	4	8	13							
	L	-	-	-	23	23	-	9	10	19	32							
NOV.	F	56	-	-	23	23	-	10	11	21	32							
	M	56	-	-	30	30	-	12	13	27	43							
	L	-	-	-	35	33	-	14	15	34	57							
DEC.	F	42	-	-	24	24	-	10	10	27	43							
	M	45	-	-	22	19	-	9	9	26	43							
	L	-	-	-	23	23	-	9	10	30	50							
TOTAL		1096	1206	1100	562	476	498	246	406	434	382	96	84	202	106	168	1472	2454

NOTE: COY.=COTTON, PAD.=PADDY, MAI-1=FULL TERM MAIZE, MAI-2=GREEN CUT MAIZE, BER-4=FULL TERM BERSEEM, BER-2=CATCH CROP BERSEEM, WHE.=WHEAT, NWR=NET WATER REQUIREMENT, GWR=GROSS WATER REQUIREMENT, LEA.=LEACHING WATER

<u>CASE MONTH</u>		<u>DECADE</u>		<u>WATER REQ'T</u>		<u>RETURN</u>		<u>SHORTAGE</u>		<u>WATER REQ'T</u>		<u>RETURN</u>		<u>SHORTAGE</u>	
				<u>NET</u>	<u>GROSS</u>	<u>FLOW</u>	<u>FLOW</u>			<u>NET</u>	<u>GROSS</u>	<u>FLOW</u>	<u>FLOW</u>		
		F	M												
MAY															
		L	F	53	88					59	98				
		M		66	110	5				69	115	10			
JUN.		L	F	80	133	24	4			66	143	26	12		
		M		92	153	29	19			98	163	25	33		
		L	F	77	128	22	1			82	137	12	20		
A-3	JUL.	M		83	136	30	3			85	142	15	22		
		L	F	93	155	32	7			93	155	15	24		
		M		80	133	28				74	123	16	2		
AUG.		L	F	73	122	17				65	108	3			
		M		69	115										
SEP.		L	F												
		M													
		L	F												
		TOTAL				187	34					122	113		
		F	M												
MAY															
		L	F												
		M													
JUN.		L	F	58	97					57	95				
		M		70	117	12				70	117	12			
		L	F	79	132	27				79	132	27			
		M		67	112	7				68	113	8			
A-4	JUL.	L	F	71	118	13				69	115	10			
		M		79	132	16				76	127	11			
		L	F	69	115	10				62	103				
AUG.		M		64	107	2									
		L	F												
SEP.		M													
		L	F												
		TOTAL				87						68			

CASE	MONTH	DECADE	WATER REQ'T		SHORTAGE	RETURN FLOW	WATER REQ'T		SHORTAGE	RETURN FLOW
			NET	GROSS			NET	GROSS		
	MAY		-	-	-	-	-	-	-	-
			51	85	-	-	-	-	-	-
			64	107	-	-	-	-	-	-
	JUN.		77	128	2	21	-	-	-	-
			90	150	9	29	-	-	-	-
			76	127	-	15	-	-	-	-
C-3	JUL.		81	135	-	25	-	-	-	-
			90	150	4	32	-	-	-	-
			77	128	-	28	-	-	-	-
	AUG.		72	120	-	27	-	-	-	-
			70	117	-	27	-	-	-	-
	SEP.		-	-	-	8	-	-	-	-
			-	-	-	-	-	-	-	-
		TOTAL	-	-	15	212	-	-	-	143
	MAY		-	-	-	-	-	-	-	-
			55	92	-	-	-	-	-	-
			68	113	-	15	-	-	-	-
	JUN.		78	130	-	28	-	-	-	-
			65	108	-	8	-	-	-	-
			70	117	-	17	-	-	-	-
C-4	JUL.		78	130	-	24	-	-	-	-
			68	113	-	20	-	-	-	-
	AUG.		-	-	-	18	-	-	-	-
			-	-	-	18	-	-	-	-
	SEP.		-	-	-	-	-	-	-	-
			-	-	-	-	-	-	-	-
		TOTAL	-	-	-	143	-	-	-	70

CASE	MONTH	DECADE	WATER REQ'T		SHORTAGE	RETURN FLOW	CASE	MONTH	DECADE	WATER REQ'T		RETURN FLOW	SHORTAGE
			NET	GROSS						NET	GROSS		
	MAY	F	-	-	-	-		MAY	F	-	-	-	-
		M	54	90	-	-			M	-	-	-	-
		L	65	108	-	3			L	62	103	-	-
	JUN.	F	80	133	5	23		JUN.	F	76	127	21	7
		M	93	155	22	28			M	87	145	30	10
		L	78	130	5	20			L	73	122	17	-
E-3	JUL.	F	82	137	5	27	F-3	JUL.	F	79	132	27	-
		M	90	150	4	30			M	89	148	32	-
		L	75	125	-	20			L	77	128	23	-
	AUG.	F	67	112	-	7		AUG.	F	74	123	18	-
		M	65	108	-	3			M	75	125	20	-
	SEP.	F	-	-	-	-		SEP.	F	66	110	5	-
		M	-	-	-	-			M	-	-	-	-
		L	-	-	-	-			L	-	-	-	-
		TOTAL	-	-	41	161		TOTAL	L	-	-	193	11

CASE	MONTH	DECADE	WATER REQ'T		SHORTAGE	RETURN FLOW	CASE	MONTH	DECADE	WATER REQ'T		RETURN FLOW	SHORTAGE
			NET	GROSS						NET	GROSS		
	MAY	F	-	-	-	-		MAY	F	-	-	-	-
		M	-	-	-	-			M	-	-	-	-
		L	-	-	-	-			L	-	-	-	-
	JUN.	F	56	93	-	12		JUN.	F	57	95	12	-
		M	70	117	-	27			M	70	117	27	-
		L	79	132	-	7			L	79	132	7	-
	JUL.	F	67	112	-	10		JUL.	F	67	112	12	-
		M	69	115	-	12			M	70	117	21	-
		L	77	128	-	3			L	82	137	13	-
E-4	AUG.	F	65	108	-	-		AUG.	F	71	118	8	-
		M	-	-	-	-			M	68	113	8	-
		L	-	-	-	-			L	68	113	-	-
	SEP.	F	-	-	-	-		SEP.	F	-	-	-	-
		M	-	-	-	-			M	-	-	-	-
		L	-	-	-	-			L	-	-	-	-
		TOTAL	-	-	-	71		TOTAL	L	-	-	108	-

CASE	MONTH	DECADE	WATER REQ'T		SHORTAGE	RETURN FLOW	WATER REQ'T		SHORTAGE	RETURN FLOW
			NET	GROSS			NET	GROSS		
	MAY	F	-	-	-	-	-	-	-	-
		M	-	-	-	-	-	-	-	-
		L	-	-	-	-	-	-	-	-
	JUN.	F	62	103	-	20	63	105	3	22
		M	75	125	-	30	78	130	14	29
		L	86	143	8	15	89	148	-	18
	JUL.	F	72	120	-	25	74	123	-	27
G-3		M	78	130	-	32	79	132	-	32
		L	89	148	-	25	89	148	-	22
	AUG.	F	78	130	-	22	76	127	-	13
		M	76	127	-	18	71	118	-	10
		L	74	123	-	3	69	115	-	-
	SEP.	F	65	108	-	-	-	-	-	-
		M	-	-	-	-	-	-	-	-
		L	-	-	-	-	-	-	-	-
		TOTAL	-	-	8	190	-	-	-	173

CASE	MONTH	DECADE	WATER REQ'T		SHORTAGE	RETURN FLOW	WATER REQ'T		SHORTAGE	RETURN FLOW
			NET	GROSS			NET	GROSS		
	MAY	F	-	-	-	-	-	-	-	-
		M	-	-	-	-	-	-	-	-
		L	-	-	-	-	-	-	-	-
	JUN.	F	58	97	-	12	58	97	-	13
		M	70	117	-	27	71	118	-	27
		L	79	132	-	7	79	132	-	7
	JUL.	F	67	112	-	13	67	112	-	12
G-4		M	71	118	-	19	70	117	-	16
		L	81	135	-	17	79	132	-	10
	AUG.	F	73	122	-	13	69	115	-	3
		M	71	118	-	8	65	108	-	-
		L	68	113	-	-	-	-	-	-
	SEP.	F	60	100	-	-	-	-	-	-
		M	-	-	-	-	-	-	-	-
		L	-	-	-	-	-	-	-	-
		TOTAL	-	-	-	116	-	-	-	88

CASE	MONTH	DECADE	WATER REQ'T		SHORTAGE	CASE	MONTH	DECADE	WATER REQ'T		SHORTAGE	RETURN FLOW
			NET	GROSS					NET	GROSS		
	MAY	F	-	-	-		MAY	F	-	-	-	-
		M	-	-	-			M	-	-	-	-
		L	-	-	-			L	-	-	-	-
	JUN.	F	60	100	-		JUN.	F	63	105	-	-
		M	74	123	-			M	76	127	22	22
		L	83	138	4			L	88	147	31	31
		F	69	115	-			F	74	123	18	18
	JUL.	M	76	127	-	J-3	JUL.	M	80	133	28	28
		L	88	147	-			L	91	152	33	33
		F	78	130	-			F	80	133	28	28
	AUG.	M	78	130	-		AUG.	M	77	128	23	23
		L	79	132	-			L	77	128	23	23
	SEP.	F	70	117	-		SEP.	F	67	112	7	7
		M	-	-	-			M	-	-	-	-
		L	-	-	-			L	-	-	-	-
		TOTAL	-	-	4			TOTAL	-	-	219	14

CASE	MONTH	DECADE	WATER REQ'T		SHORTAGE	CASE	MONTH	DECADE	WATER REQ'T		SHORTAGE	RETURN FLOW
			NET	GROSS					NET	GROSS		
	MAY	F	-	-	-		MAY	F	-	-	-	-
		M	-	-	-			M	-	-	-	-
		L	-	-	-			L	-	-	-	-
	JUN.	F	57	95	-		JUN.	F	57	95	-	-
		M	70	117	-			M	70	117	12	12
		L	79	132	-			L	79	132	27	27
		F	66	110	-			F	66	110	5	5
	JUL.	M	71	118	-	J-4	JUL.	M	71	118	13	13
		L	83	138	-			L	82	137	21	21
		F	75	125	-			F	72	120	15	15
	AUG.	M	74	123	-		AUG.	M	69	115	10	10
		L	74	123	-			L	69	115	10	10
	SEP.	F	66	110	-		SEP.	F	-	-	-	-
		M	-	-	-			M	-	-	-	-
		L	-	-	-			L	-	-	-	-
		TOTAL	-	-	-			TOTAL	-	-	113	-

CASE	MONTH	DECADE	WATER REQ'T		RETURN FLOW	SHORTAGE	CASE	MONTH	DECADE	WATER REQ'T		RETURN FLOW	SHORTAGE
			NET	GROSS						NET	GROSS		
	MAY	F	-	-	-	-		MAY	F	-	-	-	-
		M	-	-	-	-			M	-	-	-	-
		L	52	87	-	-			L	-	-	-	-
	JUN.	F	64	107	2	4		JUN.	F	61	102	20	-
		M	79	132	23	18			M	75	125	30	7
		L	91	152	29	-			L	85	142	13	-
		F	76	127	22	-			F	71	118	25	-
K-3	JUL.	M	81	135	30	2	L-3	JUL.	M	78	130	32	2
		L	91	152	34	-			L	90	150	28	-
	AUG.	F	78	130	25	-		AUG.	F	80	133	27	-
		M	72	120	15	-			M	79	132	21	-
		L	72	120	15	-			L	82	137	15	-
	SEP.	F	65	108	3	-		SEP.	F	72	120	-	-
		M	-	-	-	-			M	-	-	-	-
		L	-	-	-	24			L	-	-	-	9
		TOTAL			198				TOTAL			211	
	MAY	F	-	-	-	-		MAY	F	-	-	-	-
		M	-	-	-	-			M	-	-	-	-
		L	-	-	-	-			L	-	-	-	-
	JUN.	F	56	93	12	-		JUN.	F	57	95	13	-
		M	70	117	27	-			M	71	118	27	-
		L	79	132	5	-			L	79	132	7	-
		F	66	110	10	-			F	67	112	15	-
K-4	JUL.	M	69	115	16	-	L-4	JUL.	M	72	120	24	-
		L	79	132	7	-			L	84	140	22	-
	AUG.	F	67	112	2	-		AUG.	F	76	127	18	-
		M	63	105	107	-			M	74	123	11	-
		L	64	107	-	-			L	76	127	5	-
	SEP.	F	-	-	-	-		SEP.	F	66	110	-	-
		M	-	-	-	-			M	-	-	-	-
		L	-	-	-	-			L	-	-	-	-
		TOTAL			79				TOTAL			142	

CASE	MONTH	DECADE	WATER REQ'T		RETURN FLOW	SHORTAGE	CASE	MONTH	DECADE	WATER REQ'T		RETURN FLOW	SHORTAGE
			NET	GROSS						NET	GROSS		
	MAY	F	-	-	-	-		MAY	F	-	-	-	-
		M	-	-	-	-			M	-	-	-	-
		L	-	-	-	-			L	-	-	-	-
	JUN.	F	61	102	20	-		JUN.	F	62	103	21	4
		M	75	125	30	-			M	78	130	28	14
		L	85	142	13	7			L	88	147	17	-
	JUL.	F	71	118	23	-		JUL.	F	73	122	25	-
M-3		M	77	128	31	-	N-3		M	78	130	30	-
		L	88	147	25	-			L	88	147	22	-
	AUG.	F	78	130	23	-		AUG.	F	76	127	15	-
		M	77	128	12	-			M	72	120	15	-
		L	77	128	7	-			L	72	120	3	-
	SEP.	F	67	112	-	-		SEP.	F	65	108	-	-
		M	-	-	-	-			M	-	-	-	-
		L	-	-	-	-			L	-	-	-	-
		TOTAL			184	7			TOTAL			176	19
	MAY	F	-	-	-	-		MAY	F	-	-	-	-
		M	-	-	-	-			M	-	-	-	-
		L	-	-	-	-			L	-	-	-	-
	JUN.	F	57	95	12	-		JUN.	F	57	95	12	-
		M	70	117	27	-			M	70	117	27	-
		L	79	132	5	-			L	79	132	5	-
	JUL.	F	66	110	13	-		JUL.	F	66	110	10	-
M-4		M	71	118	21	-	N-4		M	69	115	16	-
		L	82	137	18	-			L	79	132	10	-
	AUG.	F	74	123	13	-		AUG.	F	69	115	3	-
		M	71	118	13	-			M	65	108	3	-
		L	71	118	-	-			L	65	108	-	-
	SEP.	F	-	-	-	-		SEP.	F	-	-	-	-
		M	-	-	-	-			M	-	-	-	-
		L	-	-	-	-			L	-	-	-	-
		TOTAL			122	-			TOTAL			86	-

<u>CASE</u>	<u>MONTH</u>	<u>DECADE</u>	<u>WATER REQ'T NET</u>	<u>WATER REQ'T GROSS</u>	<u>RETURN FLOW</u>	<u>SHORTAGE</u>	<u>CASE</u>	<u>MONTH</u>	<u>DECADE</u>	<u>WATER REQ'T NET</u>	<u>WATER REQ'T GROSS</u>	<u>RETURN FLOW</u>	<u>SHORTAGE</u>
		F	-	-	-	-			F	-	-	-	-
	MAY	M	-	-	-	-		MAY	M	-	-	-	-
		L	-	-	-	-			L	-	-	-	-
		F	59	98	-	-			F	57	95	-	-
	JUN.	M	74	123	18	-		JUN.	M	70	117	12	-
		L	82	137	29	3			L	79	132	27	-
		F	68	113	8	-			F	66	110	5	-
0-3	JUL.	M	75	125	20	-	C-4	JUL.	M	70	117	12	-
		L	87	145	29	-			L	83	138	22	-
		F	78	130	25	-			F	76	127	22	-
	AUG.	M	79	132	27	-		AUG.	M	75	125	20	-
		L	82	137	21	-			L	77	128	12	-
		F	72	120	15	-			F	67	112	7	-
	SEP.	M	-	-	-	-		SEP.	M	-	-	-	-
		L	-	-	-	-			L	-	-	-	-
	TOTAL				192	3		TOTAL				139	-

JICA