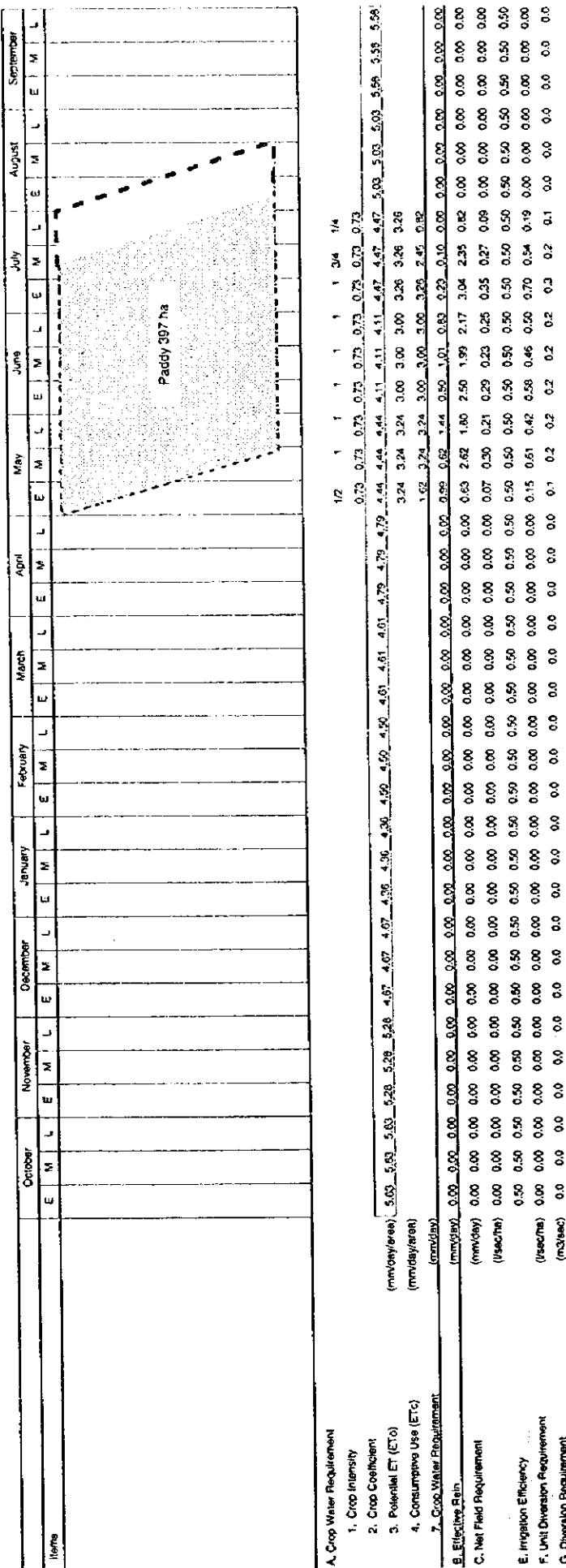


80% Dependability Water Requirement for Potowijo 16ha 1994-1995 (Brantas Kediri Kiri)

Items	October			November			December			January			February			March			April			May			June			July			August		
	E	M	L	E	M	L	E	M	L	E	M	L	E	M	L	E	M	L	E	M	L	E	M	L	E	M	L	E	M	L			
Potowijo 16 ha																																	
A. Crop Water Requirement:	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
1. Crop Intensity	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73		
2. Crop Coefficient	(mm/day/area)	5.63	5.63	5.63	5.63	5.63	5.63	5.63	5.63	5.63	5.63	5.63	5.63	5.63	5.63	5.63	5.63	5.63	5.63	5.63	5.63	5.63	5.63	5.63	5.63	5.63	5.63	5.63	5.63	5.63	5.63	5.63	
3. Potential ET (ET <sub>0</sub> )	(mm/day/area)	4.11	4.11	4.11	4.11	4.11	4.11	4.11	4.11	4.11	4.11	4.11	4.11	4.11	4.11	4.11	4.11	4.11	4.11	4.11	4.11	4.11	4.11	4.11	4.11	4.11	4.11	4.11	4.11	4.11	4.11	4.11	
4. Consumptive Use (ET <sub>c</sub> )	(mm/day)	4.11	4.11	4.11	4.11	4.11	4.11	4.11	4.11	4.11	4.11	4.11	4.11	4.11	4.11	4.11	4.11	4.11	4.11	4.11	4.11	4.11	4.11	4.11	4.11	4.11	4.11	4.11	4.11	4.11	4.11	4.11	
7. Crop Water Requirement:	(mm/day)	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	
B. Effective Rain	(mm/day)	3.67	3.67	3.67	3.67	3.67	3.67	3.67	3.67	3.67	3.67	3.67	3.67	3.67	3.67	3.67	3.67	3.67	3.67	3.67	3.67	3.67	3.67	3.67	3.67	3.67	3.67	3.67	3.67	3.67	3.67	3.67	
C. Net Field Requirement	(l/sec/ha)	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	
D. Irrigation Efficiency	(l/sec/ha)	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	
E. Irrigation Requirement	(m <sup>3</sup> /sec)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
F. Unit Operation Requirement																																	
G. Diversions Requirement																																	

80% Dependability Water Requirement for Polowijo 56ha 1994-1995 (Brantas Kediri Kiri)

80% Dependability Water Requirement for Unlicensed Paddy 39ha 1994-1995 (Brantas Kediri Kiri)

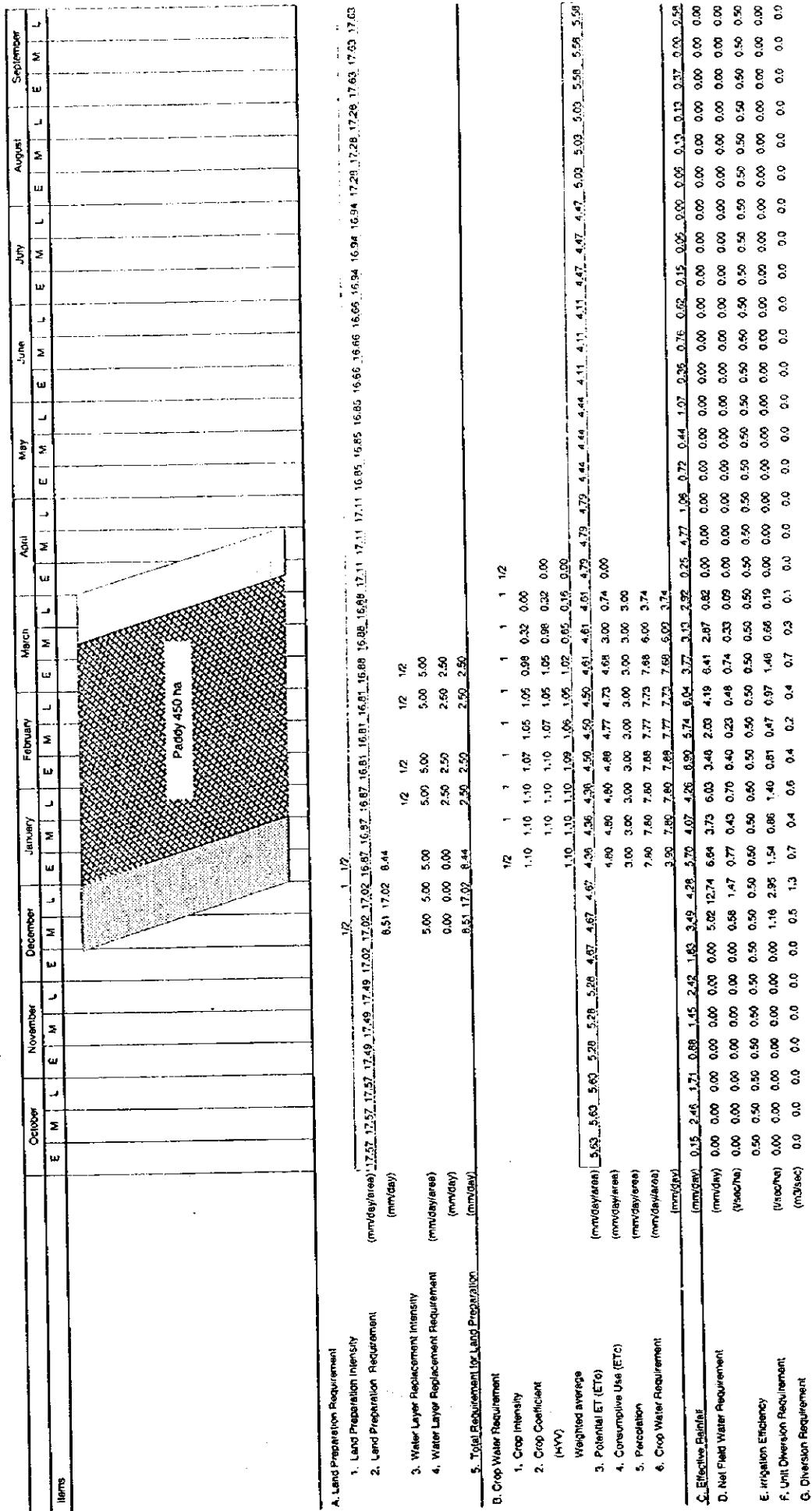


**80% Dependability Water Requirement for Sugarcane 81ha 1994-1995 (Brantas Kediri Kiri)**

Month	October			November			December			January			February			March			April			May			June			July			August			September		
	E	M	L	E	M	L	E	M	L	E	M	L	E	M	L	E	M	L	E	M	L	E	M	L	E	M	L	E	M	L	E	M	L			
Actual																																				
1. Crop Intensity	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1				
2. Crop Coefficient	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99				
(mm/day/area)	5.03	5.03	5.03	5.03	5.03	5.03	5.03	5.03	5.03	5.03	5.03	5.03	5.03	5.03	5.03	5.03	5.03	5.03	5.03	5.03	5.03	5.03	5.03	5.03	5.03	5.03	5.03	5.03	5.03	5.03	5.03	5.03				
3. Potential ET (ET <sub>0</sub> )	5.57	5.57	5.57	5.57	5.57	5.57	5.57	5.57	5.57	5.57	5.57	5.57	5.57	5.57	5.57	5.57	5.57	5.57	5.57	5.57	5.57	5.57	5.57	5.57	5.57	5.57	5.57	5.57	5.57	5.57	5.57	5.57				
4. Consumptive Use (ET <sub>c</sub> )	5.57	5.57	5.57	5.57	5.57	5.57	5.57	5.57	5.57	5.57	5.57	5.57	5.57	5.57	5.57	5.57	5.57	5.57	5.57	5.57	5.57	5.57	5.57	5.57	5.57	5.57	5.57	5.57	5.57	5.57	5.57	5.57				
7. Crop Water Requirement	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27				
B. Effective Rain																																				
C. Net Field Requirement	5.31	5.31	5.31	5.31	5.31	5.31	5.31	5.31	5.31	5.31	5.31	5.31	5.31	5.31	5.31	5.31	5.31	5.31	5.31	5.31	5.31	5.31	5.31	5.31	5.31	5.31	5.31	5.31	5.31	5.31	5.31	5.31				
(mm/day)	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31				
(/sec/ha)	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50				
D. Irrigation Efficiency	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93				
E. Unit Irrigation Requirement																																				
(m <sup>3</sup> /sec)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1				

## Diversions Requirements 1995-1996 (80% Dependability)

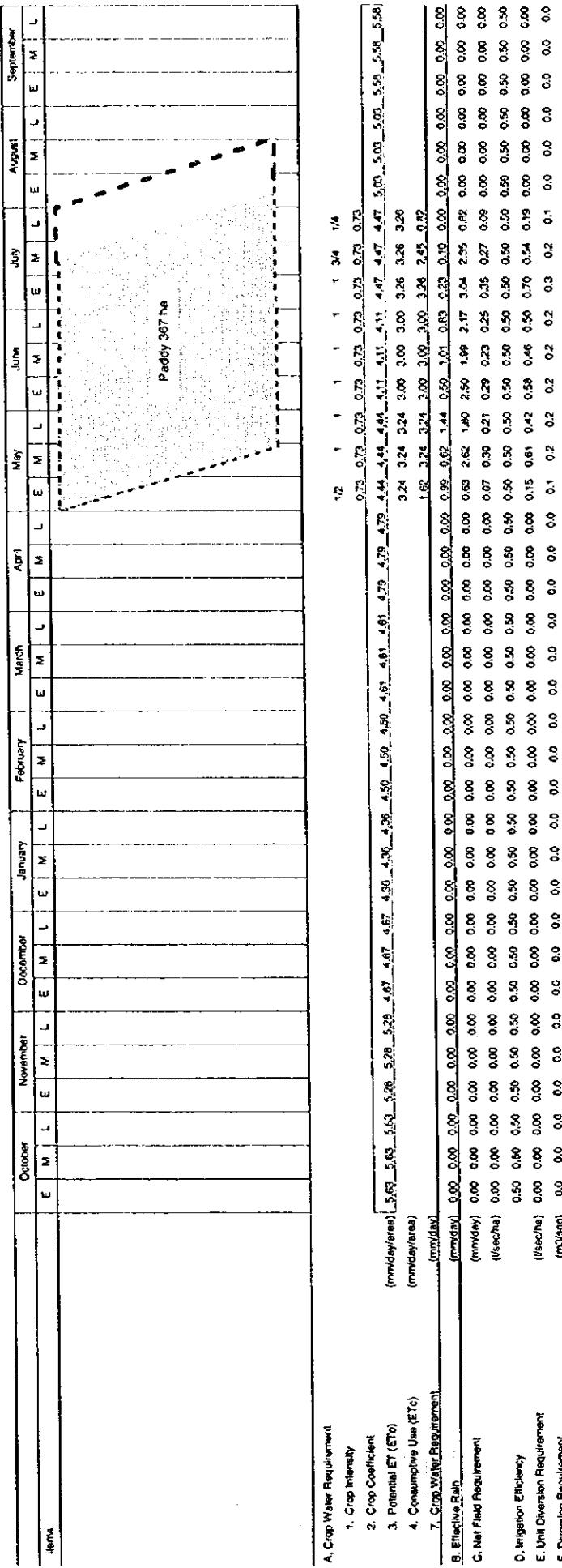
100% Dependability Water Requirement for Rainy Season Paddy 450ha 1995-1996 (Bantans Kediri Kir)





80% Dependability Water Requirement for Polowijo 83ha 1995-1996 (Brantas Kediri Kir)

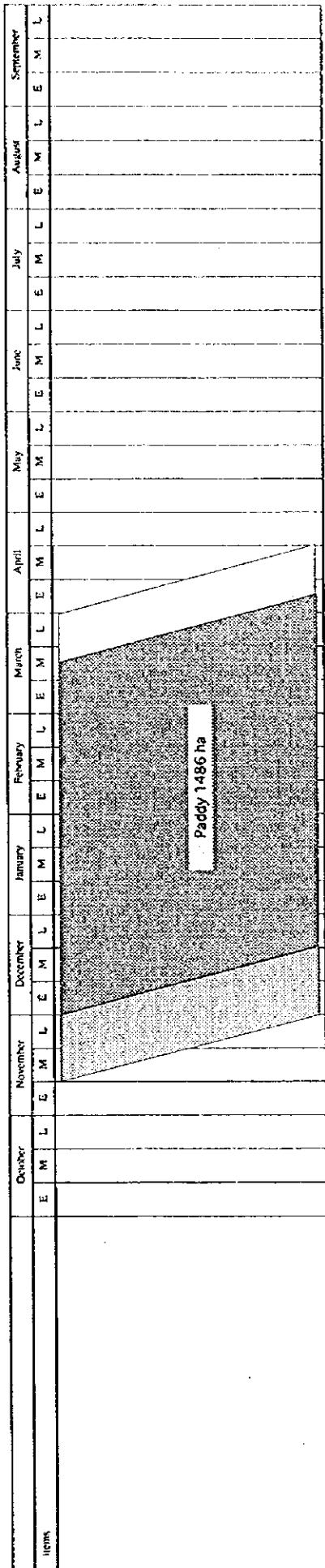
80% Dependability Water Requirement for Unlicensed Paddy 367ha 1995-1996 (Brantas Kendiri Kiri)



800% Dependability Water Requirement for Sugarcane &tha 1995-1996 (Brantas Kediri Kir)

Jatimlerek Diversification Requirements 1994-1995 (80% Dependability)

## 80% Dependability Water Requirement for Rainy Season Paddy 1486ha 1994-1995 (Jatimlerek)



80% Dependability Water Requirement for Dry Season Paddy 249ha 1994-1995 (Jalimerek)

ITEMS	October			November			December			January			February			March			April			May			June			July			August			
	E	M	L	E	M	L	E	M	L	E	M	L	E	M	L	E	M	L	E	M	L	E	M	L	E	M	L	E	M	L				
Paddy 249 ha																																		
A. Land Preparation Requirement:																																		
1. Land Preparation Intensity	(mm/day/area)	17.27	17.27	17.09	17.09	16.81	16.81	16.51	16.51	16.22	16.22	16.22	16.22	16.22	16.22	16.22	16.22	16.22	16.22	16.22	16.22	16.22	16.22	16.22	16.22	16.22	16.22	16.22	16.22	16.22	16.22	16.22		
2. Land Preparation Requirement	(mm/day)																																	
3. Water Layer Replacement Intensity	(mm/day/area)																																	
4. Water Layer Replacement Requirement	(mm/day)																																	
5. Total Requirement for Land Preparation	(mm/day)																																	
B. Crop Water Requirement:																																		
1. Crop Intensity																																		
2. Crop Coefficient																																		
3. Potential ET (ET <sub>0</sub> )	(mm/day/area)	5.10	5.10	4.70	4.70	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50		
4. Consumptive Use (ETc)	(mm/day/area)																																	
5. Percolation	(mm/day/area)																																	
6. Crop Water Requirement	(mm/day)																																	
7. Crop Water Requirement	(mm/day)																																	
C. Effective Rainfall	(mm/day)	0.46	1.91	0.48	2.39	2.87	2.51	5.65	6.84	2.78	4.99	6.89	5.37	5.32	5.68	4.38	7.81	3.91	2.57	2.79	2.05	0.41	2.15	0.78	0.46	1.91	0.23	0.19	0.16	0.10	0.00	0.00		
D. Net Field Water Requirement	(mm/day)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
E. Irrigation Efficiency	(Irrigation)	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60		
F. Unit Diversion Requirement	(mm/second)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
G. Diversions Amt	(m3/sec)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	

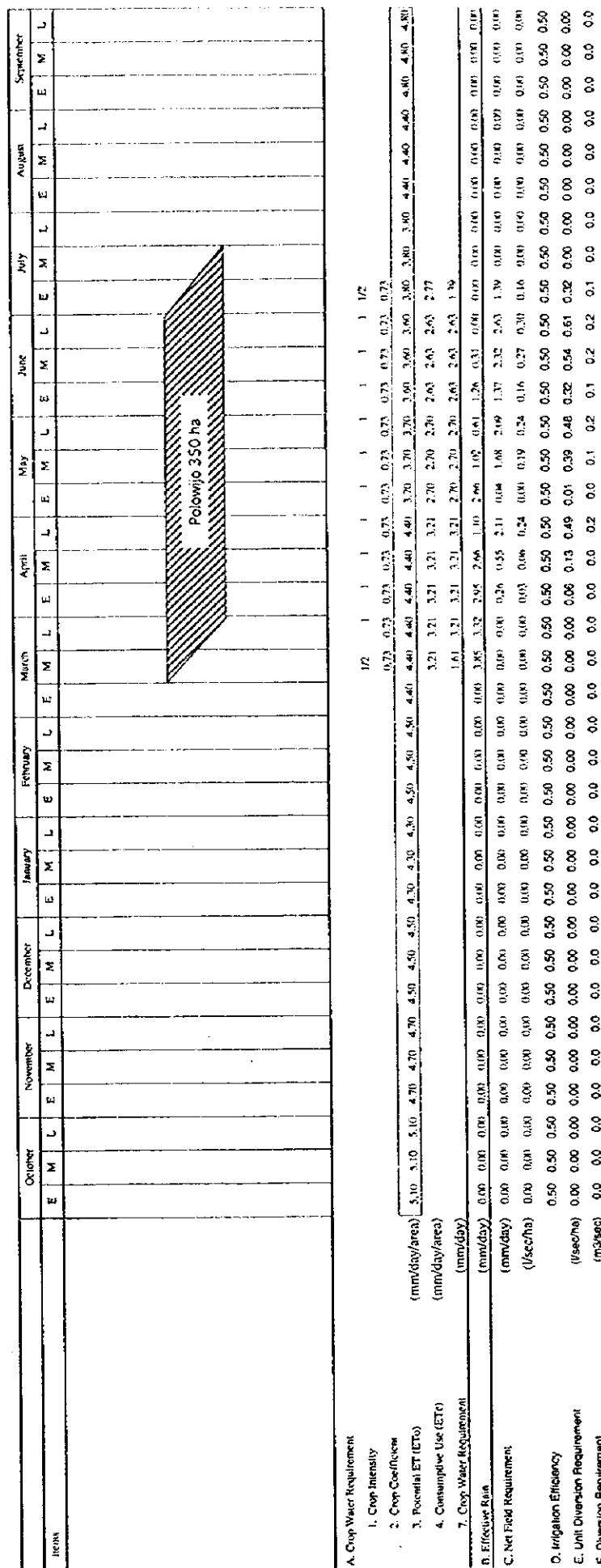
**80% Dependability Water Requirement for Unlicensed paddy 42ha 1594-1995 (Latimereck)**

Month	October			November			December			January			February			March			April			May			June			July			August			September		
	E	M	L	E	M	L	E	M	L	E	M	L	E	M	L	E	M	L	E	M	L	E	M	L	E	M	L	E	M	L	E	M	L			
ICRUS																																				
Polowijo 42 ha																																				
A. Crop Water Requirement																																				
1. Crop Intensity	3/4	1/2	1/4																																	
2. Crop Coefficient	0.73	0.73	0.73																																	
3. Potential ET (ET <sub>0</sub> )	(mm/day/area)	5.10	5.10	5.10	4.70	4.70	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50				
4. Consumptive Use (ET <sub>c</sub> )	(mm/day/area)	3.72	3.72	3.72																																
5. Crop Coefficient	(mm/day)	2.79	1.86	0.93																																
6. Effective Rain	(mm/day)	0.71	2.62	0.84	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				
7. Crop Water Requirement	(mm/day)	2.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				
B. Effective Rain	(mm/day)	2.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				
C. Net Field Requirement	(l/sec/ha)	0.24	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				
D. Irrigation Efficiency		0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50				
E. Unit Diversion Requirement	(l/sec/ha)	0.48	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				
F. Diversion Requirement	(m3/sec)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			

**80% Dependability Water Requirement for Polowijo 332 ha 1994-1995 (Jatimrelek)**

Item	October			November			December			January			February			March			April			May			June			July			August		
	E	M	L	E	M	L	E	M	L	E	M	L	E	M	L	E	M	L	E	M	L	E	M	L	E	M	L	E	M	L			
1. Crop Intensity	1	7/8	3/4	5/8	1/2	3/8	1/4	1/8	1/8	1/8	1/4	1/8	1/8	1/4	1/8	1/8	1/8	1/8	1/8	1/8	1/8	1/8	1/8	1/8	1/8	1/8	1/8	1/8	1/8	1/8	1/8		
2. Crop Coefficient	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73		
3. Potential ET (ET <sub>P</sub> )	5.10	5.10	5.10	4.70	4.70	4.70	4.50	4.50	4.50	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30		
4. Consumptive Use (ET <sub>C</sub> )	3.72	3.72	3.72	3.43	3.43	3.43	3.29	3.29	3.29	3.17	3.17	3.17	3.17	3.17	3.17	3.17	3.17	3.17	3.17	3.17	3.17	3.17	3.17	3.17	3.17	3.17	3.17	3.17	3.17	3.17	3.17		
5. Crop Water Requirement (mm/day)	3.72	3.72	3.72	2.76	2.76	2.76	2.14	2.14	2.14	1.72	1.72	1.72	1.72	1.72	1.72	1.72	1.72	1.72	1.72	1.72	1.72	1.72	1.72	1.72	1.72	1.72	1.72	1.72	1.72	1.72	1.72		
6. Effective Rain (mm/day)	0.71	2/92	0.64	3/14	3/14	3/14	3.78	3.78	3.78	8.47	8.47	8.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7. Crop Water Requirement (mm/day)	3.72	3.72	3.72	2.76	2.76	2.76	2.14	2.14	2.14	1.72	1.72	1.72	1.72	1.72	1.72	1.72	1.72	1.72	1.72	1.72	1.72	1.72	1.72	1.72	1.72	1.72	1.72	1.72	1.72	1.72	1.72		
B. Effective Rain																																	
C. Net Field Requirement (l/sec/ha)	3.02	0.63	1.95	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
D. Irrigation Efficiency (l/sec/m)	0.35	0.07	0.23	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
E. Unit Irrigation Requirement (m³/sec/ha)	0.70	0.15	0.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
F. Diversion Requirement	0.2	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		

80% Dependability Water Requirement for Polowijo 350ha 1994-1995 (Jatimlerek)



80% Dependability Water Requirement for Polowijo 548ha 1994-1995 (Jatimterek)

Items	October			November			December			January			February			March			April			May			June			July			August			
	E	M	L	E	M	L	E	M	L	E	M	L	E	M	L	E	M	L	E	M	L	E	M	L	E	M	L	E	M	L				
A. Crop Water Requirement																																		
1. Crop Intensity																																		
2. Crop Coefficient																																		
3. Potential ET (ET <sub>0</sub> )																																		
4. Consumptive Use (ET <sub>c</sub> )																																		
7. Crop Water Requirement (mm/day)																																		
B. Effective Rain																																		
(mm/day)	0.00	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10			
C. Net Field Requirement																																		
(mm/day)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
D. Irrigation Efficiency																																		
(Use/ha)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
E. Unit Diversion Requirement																																		
F. Diversions Required																																		
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	

**90% Dependability Water Requirement for Unlicensed Paddy 591ha 1994-1995 (Jatimterek)**

Items	October			November			December			January			February			March			April			May			June			July			August			September		
	E	M	L	E	M	L	E	M	L	E	M	L	E	M	L	E	M	L	E	M	L	E	M	L	E	M	L	E	M	L	E	M	L			
1. Crop Intensity	1.10	1.11	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10			
2. Crop Coefficient	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10			
3. Potential ET (ET <sub>0</sub> )	4.40	4.40	4.40	4.40	4.40	4.40	4.40	4.40	4.40	4.40	4.40	4.40	4.40	4.40	4.40	4.40	4.40	4.40	4.40	4.40	4.40	4.40	4.40	4.40	4.40	4.40	4.40	4.40	4.40	4.40	4.40	4.40	4.40			
4. Consumptive Use (ET <sub>c</sub> )	2.70	2.70	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63			
5. Crop Water Requirement	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68			
6. Effective Rain	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
7. Net Field Requirement	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40			
8. Net Field Requirement	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
9. Irrigation Efficiency	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50			
10. Unit Diversion Requirement	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
11. Diversions Required	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Paddy 591 ha																																				

**80% Dependability Water Requirement for Sugarcane 606ha 1994-1995 (Jatimretek)**

Period	Quarter			November			December			January			February			March			April			May			June			July			August			September		
	E	M	L	E	M	L	E	M	L	E	M	L	E	M	L	E	M	L	E	M	L	E	M	L	E	M	L	E	M	L	E	M	L			
Normal																																				
Sugarcane 606 ha																																				
A. Crop Water Requirement																																				
1. Crop Intensity	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1					
2. Crop Coefficient	0.90	0.90	1.00	1.00	1.00	1.00	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95					
3. Potential ET (ET <sub>0</sub> )	5.10	5.10	4.70	4.70	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50					
4. Consumptive Use (ETC)	5.03	5.05	5.08	5.05	4.42	4.42	4.00	5.76	3.69	3.60	3.40	3.31	3.27	3.38	3.35	3.29	3.21	3.21	3.21	3.21	3.21	3.21	3.21	3.21	3.21	3.21	3.21	3.21	3.21	3.21	3.21					
7. Crop Water Requirement	5.03	5.05	5.09	5.05	4.42	4.42	4.00	5.76	3.69	3.60	3.40	3.31	3.27	3.38	3.35	3.29	3.21	3.21	3.21	3.21	3.21	3.21	3.21	3.21	3.21	3.21	3.21	3.21	3.21	3.21	3.21					
B. Effective Rain	0.78	2.88	0.52	3.46	3.97	3.44	7.38	8.78	3.71	5.24	8.55	6.73	6.55	5.41	9.55	3.85	1.32	2.85	2.00	1.10	2.71	1.06	0.65	1.34	0.31	0.66	0.66	0.66	0.66	0.66	0.66					
(mm/day)	4.27	2.16	4.08	1.02	0.21	0.35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00					
C. Net Field Requirement																																				
(t/second/ha)	0.49	0.23	0.47	0.12	0.02	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00					
D. Irrigation Efficiency																																				
(t/second)	0.99	0.50	0.94	0.24	0.06	0.13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00					
E. Unit Diversion Requirement																																				
(m³/sec)	0.6	0.3	0.6	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0					
F. Diversion Requirement																																				

## Jatimerek Diversification Requirements 1995-1996 (80% Dependability)

September												
August												
July												
October	November	December	January	February	March	April	May	June	July	August	September	
E	M	L	E	M	L	E	M	L	E	M	L	
<b>Rainy Season Paddy 1503ha</b>												
A. Net Field Water Requirement (l/sec/ha)	0.00	0.00	0.00	0.02	0.38	0.31	0.17	0.64	0.37	0.14	0.31	0.23
B. Irrigation Efficiency	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
C. Unit Diversion Requirement	0.00	0.00	0.00	0.04	0.75	0.61	0.34	1.27	0.73	0.27	0.62	0.54
D. Diversion Requirement (m3/sec)	0.0	0.0	0.0	0.1	1.1	0.9	0.5	1.9	1.1	0.4	0.9	0.6
<b>Dry Season Paddy 242ha</b>												
A. Net Field Water Requirement (l/sec/ha)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
B. Irrigation Efficiency	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
C. Unit Diversion Requirement	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
D. Diversion Requirement (m3/sec)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>Potowijo 543ha</b>												
A. Net Field Water Requirement (l/sec/ha)	0.35	0.07	0.21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
B. Irrigation Efficiency	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
C. Unit Diversion Requirement	0.70	0.13	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
D. Diversion Requirement (m3/sec)	0.4	0.1	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>Potowijo 47ha</b>												
A. Net Field Water Requirement (l/sec/ha)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
B. Irrigation Efficiency	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
C. Unit Diversion Requirement	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
D. Diversion Requirement (m3/sec)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>Potowijo 239ha</b>												
A. Net Field Water Requirement (l/sec/ha)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
B. Irrigation Efficiency	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
C. Unit Diversion Requirement	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
D. Diversion Requirement (m3/sec)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>Potowijo 384ha</b>												
A. Net Field Water Requirement (l/sec/ha)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
B. Irrigation Efficiency	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
C. Unit Diversion Requirement	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
D. Diversion Requirement (m3/sec)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>Potowijo 574ha</b>												
A. Net Field Water Requirement (l/sec/ha)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
B. Irrigation Efficiency	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
C. Unit Diversion Requirement	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
D. Diversion Requirement (m3/sec)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>Unilever Paddy 574ha</b>												
A. Net Field Water Requirement (l/sec/ha)	0.49	0.25	0.47	0.12	0.02	0.06	0.00	0.00	0.00	0.00	0.00	0.00
B. Irrigation Efficiency	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
C. Unit Diversion Requirement	0.99	0.50	0.94	0.24	0.05	0.13	0.00	0.00	0.00	0.00	0.00	0.00
D. Diversion Requirement (m3/sec)	0.5	0.3	0.5	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
<b>Sugarcane 520ha</b>												
A. Net Field Water Requirement (l/sec/ha)	0.49	0.25	0.47	0.12	0.02	0.06	0.00	0.00	0.00	0.00	0.00	0.00
B. Irrigation Efficiency	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
C. Unit Diversion Requirement	0.99	0.50	0.94	0.24	0.05	0.13	0.00	0.00	0.00	0.00	0.00	0.00
D. Diversion Requirement (m3/sec)	0.5	0.3	0.5	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
<b>Total Diversion Requirement</b>												
	0.9	0.4	0.7	0.1	0.1	1.2	0.9	0.5	1.9	1.1	0.4	0.9

80% Dependability Water Requirement for Rainy Season Paddy, ISO3ha 1995-1996 (Jatimlerek)

Months	October		November		December		January		February		March		April		May		June		July		August		September	
	E	M	L	E	M	L	E	M	L	E	M	L	E	M	L	E	M	L	E	M	L	E	M	L
<b>A. Land Preparation Requirement</b>																								
1. Land Preparation Intensity																								
2. Land Preparation Requirement																								
(mm/day/areal)																								
3. Water Layer Replacement Intensity																								
4. Water Layer Replacement Requirement																								
(mm/day)																								
5. Total Requirement for Land Preparation																								
(mm/day)																								
<b>B. Crop Water Requirement</b>																								
1. Crop Intensity																								
2. Crop Coefficient																								
(Local)																								
3. Weighted Average																								
4. Potential ET <sub>0</sub> (ET <sub>0</sub> )																								
(mm/day/area)																								
5. Consumptive Use (ET <sub>c</sub> )																								
(mm/day/area)																								
6. Crop Water Requirement																								
7. Crop Water Requirement																								
(mm/day)																								
<b>C. Effective Rainfall</b>																								
(mm/day)																								
8. Net Field Water Requirements																								
(mm/day)																								
9. Irrigation Efficiency																								
(I/sec/ha)																								
10. Unit Diversion Requirement																								
(m3/sec)																								
11. Diversor Requirement																								

**80% Dependability Water Requirement for Dry Season Paddy 242ha 1995-1996 (Jatimlerek)**

Items	October			November			December			January			February			March			April			May			June			July			August			September		
	E	M	L	E	M	L	E	M	L	E	M	L	E	M	L	E	M	L	E	M	L	E	M	L	E	M	L	E	M	L	E	M	L			
<b>A. Land Preparation Requirement</b>																																				
1. Land Preparation Intensity	12.27	12.27	12.27	17.09	17.09	16.81	16.81	16.77	16.77	16.77	16.77	16.77	16.77	16.77	16.77	16.77	16.77	16.77	16.77	16.77	16.77	16.77	16.77	16.77	16.77	16.77	16.77	16.77	16.77	16.77	16.77					
2. Land Preparation Requirement	(mm/day/area)	5.59	11.18	11.18	11.18	11.18	11.18	11.18	11.18	11.18	11.18	11.18	11.18	11.18	11.18	11.18	11.18	11.18	11.18	11.18	11.18	11.18	11.18	11.18	11.18	11.18	11.18	11.18	11.18	11.18	11.18					
(mm/day)																																				
3. Water Layer Replacement Intensity	(HYY)	1.10	1.10	1.10	1.07	1.07	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05			
4. Water Layer Replacement Requirement	(mm/day/area)	5.59	11.18	11.18	11.18	11.18	11.18	11.18	11.18	11.18	11.18	11.18	11.18	11.18	11.18	11.18	11.18	11.18	11.18	11.18	11.18	11.18	11.18	11.18	11.18	11.18	11.18	11.18	11.18	11.18	11.18	11.18				
(mm/day)																																				
5. Total Requirement for Land Preparation	(mm/day/area)	5.59	11.18	11.18	11.18	11.18	11.18	11.18	11.18	11.18	11.18	11.18	11.18	11.18	11.18	11.18	11.18	11.18	11.18	11.18	11.18	11.18	11.18	11.18	11.18	11.18	11.18	11.18	11.18	11.18	11.18	11.18				
B. Crop Water Requirement																																				
1. Crop Intensity	I/A	2.23	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1				
2. Crop Coefficient		1.10	1.10	1.10	1.07	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05			
3. Water Layer Average	(mm/day/area)	1.10	1.10	1.10	1.09	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07			
4. Potential ET/ET <sub>0</sub>	(mm/day/area)	4.84	4.84	4.84	4.80	4.80	4.79	4.79	4.79	4.79	4.79	4.79	4.79	4.79	4.79	4.79	4.79	4.79	4.79	4.79	4.79	4.79	4.79	4.79	4.79	4.79	4.79	4.79	4.79	4.79	4.79	4.79	4.79			
5. Consumptive Use (ET <sub>c</sub> )	(mm/day/area)	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00			
6. Crop Water Requirement	(mm/day/area)	7.84	7.84	7.84	7.80	7.80	7.80	7.80	7.80	7.80	7.80	7.80	7.80	7.80	7.80	7.80	7.80	7.80	7.80	7.80	7.80	7.80	7.80	7.80	7.80	7.80	7.80	7.80	7.80	7.80	7.80	7.80	7.80			
7. Crop Water Requirement	(mm/day)	2.61	5.21	2.64	2.60	2.60	2.60	2.60	2.60	2.60	2.60	2.60	2.60	2.60	2.60	2.60	2.60	2.60	2.60	2.60	2.60	2.60	2.60	2.60	2.60	2.60	2.60	2.60	2.60	2.60	2.60	2.60	2.60			
C. Effective Rainfall	(mm/day)	0.48	1.91	0.58	2.79	2.87	2.51	5.65	6.24	2.78	4.90	6.89	5.57	5.32	5.06	4.38	3.81	2.57	2.45	0.81	2.15	0.78	0.46	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
D. Net Field Water Requirement	(l/sec/ha)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
E. Irrigation Efficiency	(l/sec/ha)	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50			
F. Unit Diversion Requirement	(m3/sec)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
G. Diversion Requirement	(m3/sec)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	

80% Dependability Water Requirement for Polowijo 548ha 1995-1996 (Jatimrek)

Month	October			November			December			January			February			March			April			May			June			July			August		
	E	M	L	E	M	L	E	M	L	E	M	L	E	M	L	E	M	L	E	M	L	E	M	L	E	M	L	E	M	L			
Heus																																	
Polowijo 548 ha																																	
A. Crop Water Requirement																																	
1. Crop Intensity	1	0.67	0.57	0.47	0.37	0.27	0.17																										
2. Crop Coefficient	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73			
3. Potential ET (ET <sub>0</sub> )	(mm/day/area)	5.10	5.10	5.10	4.76	4.76	4.76	4.70	4.70	4.50	4.50	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30		
4. Consumptive Use (ETC)	(mm/day/area)	3.72	3.72	3.72	3.63	3.63	3.63	3.43	3.43	3.29	3.29	3.09	3.09	3.09	3.09	3.09	3.09	3.09	3.09	3.09	3.09	3.09	3.09	3.09	3.09	3.09	3.09	3.09	3.09	3.09	3.09		
5. Crop Water Requirement	(mm/day)	1.71	2.62	1.84	3.14	3.14	3.28	2.06	2.06	0.10	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
6. Effective Rain	(mm/day)	1.62	0.57	1.82	0.90	0.90	0.88	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61		
C. Net Field Requirement	(l/sec/ha)	0.35	0.07	0.21	0.06	0.06	0.06	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03		
D. Irrigation Efficiency	(l/sec/ha)	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50			
E. Unit Irrigation Requirement	(m³/sec)	0.4	0.1	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
F. Diversions Requirement																																	

80% Dependability Water Requirement for Polorwijo 47ha 1995-1996 (Jatimcerek)

**A. Crop Water Requirements**

Month	Seasonal Rainfall (mm/month)												Irrigation Requirements (mm/month)																		
	November			December			January			February			March			April			May			June			July			August			
	E	M	L	E	M	L	E	M	L	E	M	L	E	M	L	E	M	L	E	M	L	E	M	L	E	M	L	E	M	L	
Palowijo 47 ha	5.10	5.10	4.70	4.70	4.50	4.50	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	
1. Crop Intensity	1/3	2/3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
2. CRN Coefficient	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	
3. Potential ET <sub>c</sub> (ET <sub>TO</sub> )	5.10	5.10	4.70	4.70	4.50	4.50	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	
4. Consumptive Use (ET <sub>c</sub> )	3.43	3.29	3.29	3.29	3.14	3.14	3.14	3.14	3.14	3.14	3.14	3.14	3.14	3.14	3.14	3.14	3.14	3.14	3.14	3.14	3.14	3.14	3.14	3.14	3.14	3.14	3.14	3.14	3.14	3.14	
5. Crop Water Requirement (mm/day)	1.14	2.19	3.29	3.29	3.14	3.14	3.14	3.14	3.14	3.14	3.14	3.14	3.14	3.14	3.14	3.14	3.14	3.14	3.14	3.14	3.14	3.14	3.14	3.14	3.14	3.14	3.14	3.14	3.14	3.14	
6. Effective Rain (mm/day)	0.00	0.00	0.00	0.00	0.32	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	
7. Crop Water Requirement (mm/day)	1.14	2.19	3.29	3.29	3.14	3.14	3.14	3.14	3.14	3.14	3.14	3.14	3.14	3.14	3.14	3.14	3.14	3.14	3.14	3.14	3.14	3.14	3.14	3.14	3.14	3.14	3.14	3.14	3.14	3.14	
B. Effective Rain	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
C. Net Field Requirement (Use/ha)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
D. Irrigation Efficiency (Use/ha)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
E. Unit Diversion Requirement (m³/sec)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
F. Diversion Requirement (m³/sec)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

The diagram shows a shaded rectangular area representing the irrigation requirement for the period from November to August. The width of the rectangle corresponds to the duration of the period, and the height corresponds to the daily irrigation requirement of 1.14 mm/day.

**80% Dependability Water Requirement for Polowijo 239ha 1995-1996 (Jatimlerek)**

ITEMS	October			November			December			January			February			March			April			May			June			July			August			September		
	E	M	L	E	M	L	E	M	L	E	M	L	E	M	L	E	M	L	E	M	L	E	M	L	E	M	L	E	M	L	E	M	L			
<b>Polowijo 239 ha</b>																																				
A. Crop Water Requirement																																				
1. Crop Intensity																																				
2. Crop Coefficient																																				
3. Potential ET <sub>0</sub> (ET <sub>0</sub> )	5.10	5.10	5.10	4.70	4.70	4.50	4.50	4.50	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30				
4. Consumptive Use (ET <sub>c</sub> )																																				
7. Crop Water Requirement																																				
B. Effective Rain																																				
1. Effective Rain	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				
2. Net Field Requirement	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				
C. Net Field Requirement	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				
D. Irrigation Efficiency																																				
1. Irrigation Efficiency	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				
E. Unit Diversion Requirement	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0					
F. Diversion Requirement																																				

**80% Dependability Water Requirement for Polowijo 584ha 1995-1996 (Jatimkeret)**

Months	October		November		December		January		February		March		April		May		June		July		August		September	
	E	M	L	F	M	L	E	M	L	E	M	L	E	M	L	E	M	L	E	M	L	E	M	L
Heads																								
(mm/day/area)	5.10	5.10	4.70	4.70	4.50	4.50	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	
2. Crop Coefficient																								
3. Potential ET (ET <sub>0</sub> )																								
4. Consumptive Use (ETC)																								
7. Crop Water Requirement																								
B. Effective Rain																								
C. Net Field Requirement																								
D. Irrigation Efficiency																								
E. Unit Diversion Requirement																								
F. Diversion Requirement																								

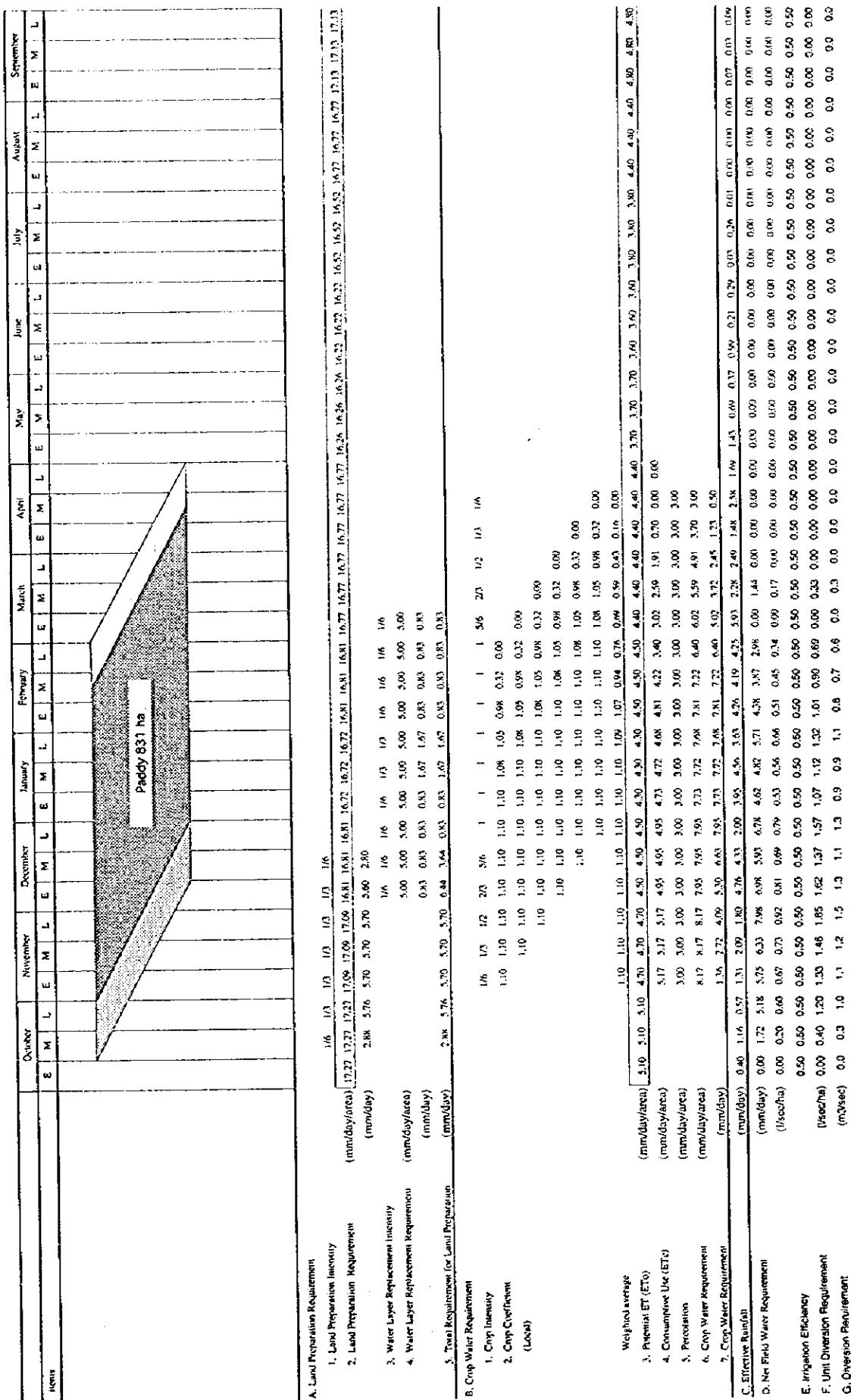
80 % Dependability Water Requirement for Unlicensed Paddy 57.4ha 1995-1996 (Jatimereck)

**80% Dependability Water Requirement for Sugarcane 520ha 1995-1996 (Jatimete(k))**

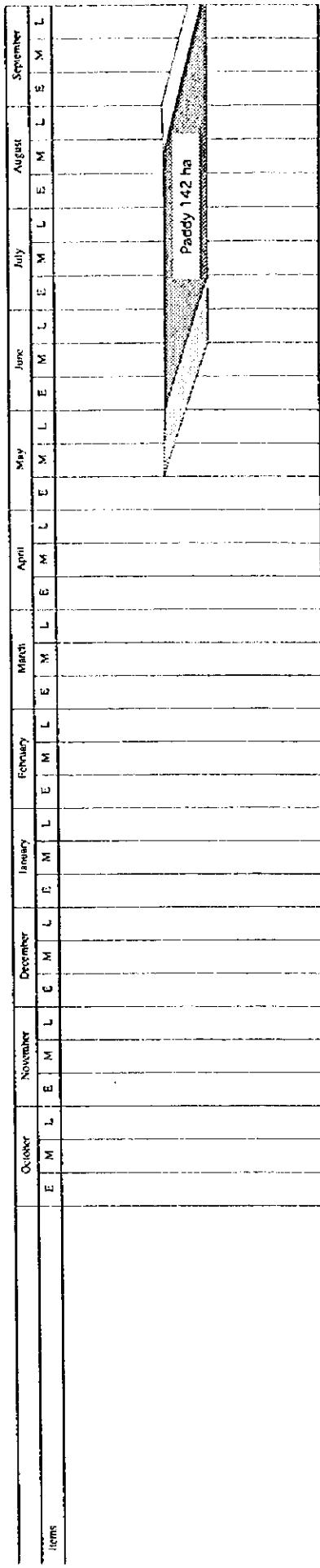
ITEMS	October			November			December			January			February			March			April			May			June			July			August			September							
	E	M	L	E	M	L	E	M	L	E	M	L	E	M	L	E	M	L	E	M	L	E	M	L	E	M	L	E	M	L	E	M	L								
1. Crop Intensity	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1								
0.99	0.99	0.98	0.96	0.95	0.94	0.92	0.90	0.89	0.85	0.84	0.82	0.79	0.77	0.76	0.75	0.74	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73							
2. Crop Coefficient																																									
(mm/day/area)	5.10	5.10	5.10	5.10	5.10	5.10	5.10	5.10	5.10	5.10	5.10	5.10	5.10	5.10	5.10	5.10	5.10	5.10	5.10	5.10	5.10	5.10	5.10	5.10	5.10	5.10	5.10	5.10	5.10	5.10	5.10	5.10	5.10	5.10	5.10						
3. Potential ET (ET <sub>0</sub> )																																									
(mm/day/area)	5.05	5.05	5.05	5.05	5.05	5.05	5.05	5.05	5.05	5.05	5.05	5.05	5.05	5.05	5.05	5.05	5.05	5.05	5.05	5.05	5.05	5.05	5.05	5.05	5.05	5.05	5.05	5.05	5.05	5.05	5.05	5.05	5.05	5.05	5.05	5.05	5.05				
4. Consumptive Use (ET <sub>c</sub> )																																									
(mm/day)	5.05	5.05	5.05	5.05	5.05	5.05	5.05	5.05	5.05	5.05	5.05	5.05	5.05	5.05	5.05	5.05	5.05	5.05	5.05	5.05	5.05	5.05	5.05	5.05	5.05	5.05	5.05	5.05	5.05	5.05	5.05	5.05	5.05	5.05	5.05	5.05	5.05				
5. Crop Water Requirement																																									
(mm/day)	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28				
6. Effective Runoff																																									
(mm/day)	4.27	2.16	4.08	1.02	0.21	0.55	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09					
C. Net Field Requirement																																									
(l/sec/ha)	0.49	0.23	0.47	0.12	0.02	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00					
D. Irrigation Efficiency																																									
(Use/Run)	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50				
E. Unit Diversion Requirement																																									
(m³/sec)	0.5	0.3	0.5	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
F. Diversion Requirement																																									

## Menturus Rubber Dam Diversion Requirements 1994-1995 (80% Dependability)

**80% Dependability Water Requirement for Rainy Season Paddy 831ha 1994-1995 (Menturas Rubber Dam)**



80% Dependability Water Requirement for Dry Season Paddy 142ha 1994-1995 (Menturus Rubber Dam)



A. Land Preparation Requirement

1. Land Preparation Intensity	17.27	17.27	17.09	17.09	16.81	16.81	16.72	16.72	16.57	16.57	16.52	16.52
2. Land Preparation Requirement	(mm/day)											
3. Water Layer Replacement Intensity												
4. Water Layer Replacement Requirement	(mm/day/area)											
5. Total Requirement for Land Preparation	(mm/day)											

B. Crop Water Requirement

1. Crop Intensity	1.10	1.10	1.07	1.05	1.05	1.05	1.02	1.02	1.02	1.02	1.02	1.02
2. Crop Coefficient												
3. Potential ET (ET <sub>0</sub> )	5.10	5.10	4.70	4.70	4.50	4.50	4.30	4.30	4.10	4.10	4.00	4.00
4. Consumptive Use (ET <sub>c</sub> )	(mm/day/area)											
5. Percolation	(mm/day/area)											
6. Crop Water Requirement	(mm/day)											
7. Crop Water Requirement	(mm/day)	0.40	1.16	0.57	1.11	2.09	1.80	4.76	4.33	2.00	3.95	4.56
C. Effective Rainfall	(mm/day)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
D. Net Field Water Requirement	(l/second)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
E. Irrigation Efficiency		0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
F. Unit Division Requirement	(mm/sec)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G. Division Requirements		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

80% Dependability Water Requirement for Polowijo SSSha 1994-1995 (Menturus Rubber Dam)

Items	October			November			December			January			February			March			April			May			June			July			August			September		
	E	M	L	E	M	L	E	M	L	E	M	L	E	M	L	E	M	L	E	M	L	E	M	L	E	M	L	E	M	L	E	M	L			
Polowijo SSS ha																																				
A. Crop Water Requirement																																				
1. Crop Intensity	1	1	3/4	1/2	1/4																															
2. Crop Coefficient	0.73	0.73	0.73	0.73	0.73	0.73																														
3. Potential ET <sub>0</sub> (ET <sub>0</sub> )	5.10	5.10	5.10	4.70	4.70	4.70	4.50	4.50	4.50	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30					
4. Consumptive Use (ET <sub>c</sub> )	3.72	3.72	3.72	3.43	3.43	3.43	(mm/day)																													
7. Crop Water Requirement																																				
B. Effective Rain																																				
C. Net Field Requirement																																				
D. Irrigation Efficiency																																				
E. Unit Diversion Requirement																																				
F. Diversion Requirement																																				

**80% Dependability Water Requirement for Potovioj 87ha 1994-1995 (Menturus Rubber Dam)**

Items	October			November			December			January			February			March			April			May			June			July			August			September		
	E	M	L	E	M	L	E	M	L	E	M	L	E	M	L	E	M	L	E	M	L	E	M	L	E	M	L	E	M	L	E	M	L			
A. Crop Water Requirement				1	1	1	10/11	9/11	8/11	7/11	6/11	5/11	4/11	3/11	2/11	1/11																				
1. Crop Intensity				0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73				
2. Crop Coefficient				0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73				
3. Potential ET (ET <sub>P</sub> )				5.10	5.10	5.10	4.70	4.70	4.70	4.50	4.50	4.50	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30				
4. Consumptive Use (ET <sub>C</sub> )				3.72	3.72	3.72	3.43	3.43	3.43	3.29	3.29	3.29	3.14	3.14	3.14	3.14	3.14	3.14	3.14	3.14	3.14	3.14	3.14	3.14	3.14	3.14	3.14	3.14	3.14	3.14	3.14	3.14				
7. Crop Water Requirement				0.59	0.59	0.59	0.57	0.57	0.57	0.56	0.56	0.56	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55				
B. Effective Rain				0.83	1.77	2.77	2.40	6.00	5.40	2.04	4.96	5.40	4.58	5.27	7.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
C. Net Field Requirement				2.13	2.09	2.89	1.35	0.04	0.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
D. Irrigation Efficiency				0.36	0.33	0.36	0.16	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
E. Unit Diversion Requirement				0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50				
F. Diversion Requirement				0.72	0.48	0.67	0.31	0.01	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	

**80% Dependability Water Requirement for Polowijo 266ha 1994-1995 (Menturus Rubber Dam)**

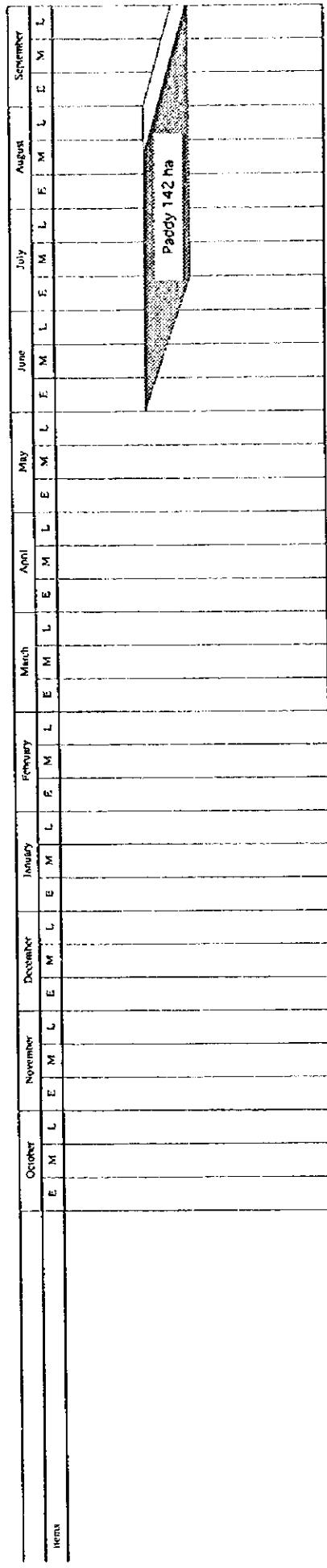
Item	October			November			December			January			February			March			April			May			June			July			August			September		
	B	M	L	E	M	L	E	M	L	E	M	L	E	M	L	E	M	L	E	M	L	E	M	L	E	M	L	E	M	L						
1. Crop Intensity	1/A	1/A	1/B	1/B	1/B	1/C	1/C	1/C	1/C	1/D	1/D	1/D	1/D	1/D	1/D	1/D	1/D	1/D	1/E	1/E	1/E	1/E	1/E	1/E	1/E	1/E	1/E	1/E	1/E	1/E	1/E	1/E				
2. Crop Coefficient	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73			
(mm/day/area)	5.10	5.10	5.10	5.10	5.10	5.10	5.10	5.10	5.10	5.10	5.10	5.10	5.10	5.10	5.10	5.10	5.10	5.10	5.10	5.10	5.10	5.10	5.10	5.10	5.10	5.10	5.10	5.10	5.10	5.10	5.10	5.10	5.10			
3. Potential ET (ET <sub>0</sub> )	3.43	3.43	3.43	3.43	3.43	3.43	3.43	3.43	3.43	3.43	3.43	3.43	3.43	3.43	3.43	3.43	3.43	3.43	3.43	3.43	3.43	3.43	3.43	3.43	3.43	3.43	3.43	3.43	3.43	3.43	3.43	3.43	3.43			
4. Consumptive Use (ETc)	0.43	0.46	0.46	0.46	0.46	0.46	0.46	0.46	0.46	0.46	0.46	0.46	0.46	0.46	0.46	0.46	0.46	0.46	0.46	0.46	0.46	0.46	0.46	0.46	0.46	0.46	0.46	0.46	0.46	0.46	0.46	0.46	0.46			
5. Crop Water Requirement (mm/day)	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10			
6. Effective Rain (mm/day)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
C. Net Field Requirement (l/sec/ha)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
D. Irrigation Efficiency	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50			
E. Unit Irrigation Requirement (usec/ha)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
F. Diversion Requirement (m³/sec)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	

**80% Dependability Water Requirement for Polowijo 745ha 1994-1995 (Menturus Rubber Dam)**

Items	Quarter			November			December			January			February			March			April			May			June			July			August			
	E	M	L	E	M	L	E	M	L	E	M	L	E	M	L	E	M	L	E	M	L	E	M	L	E	M	L	E	M	L				
1. Crop Intensity	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75			
2. Crop Coefficient	5.10	5.10	5.10	4.70	4.70	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.40	4.40	4.40	4.40	4.40	4.40	4.40	4.40	4.40	4.40	4.40	4.40	4.40	4.40	4.40	4.40	4.40	4.40	4.40			
3. Potential ET (ET <sub>0</sub> )	3.21	3.21	3.21	3.21	3.21	3.21	3.21	3.21	3.21	3.21	3.21	3.21	3.21	3.21	3.21	3.21	3.21	3.21	3.21	3.21	3.21	3.21	3.21	3.21	3.21	3.21	3.21	3.21	3.21	3.21	3.21			
4. Consumptive Use (ET <sub>c</sub> )	0.46	0.46	0.46	0.46	0.46	0.46	0.46	0.46	0.46	0.46	0.46	0.46	0.46	0.46	0.46	0.46	0.46	0.46	0.46	0.46	0.46	0.46	0.46	0.46	0.46	0.46	0.46	0.46	0.46	0.46	0.46			
5. Crop Water Requirement	(mm/day/area)	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90		
6. Effective Rain	(mm/day)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
7. Net Runoff	(mm/day)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
B. Effective Rain	(mm/day)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
C. Net Runoff	(mm/day)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
D. Irrigation Efficiency	(%)	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50		
E. Unit Diversion Requirement	(m3/sec)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
F. Diversion Requirement	(m3/sec)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

80% Dependability Water Requirement for Polowijjo 768ha 1994-1995 (Menturis Rubber Dam)

**80% Dependability Water Requirement for Unlicensed Paddy 97ha 1994-1995 (Menturus Rubber Dam)**



<b>A. Crop Water Requirement</b>																																						
1. Crop Intensity																																						
2. Crop Coefficient																																						
3. Potential ET (ET <sub>0</sub> )																																						
4. Consumptive Use (ET <sub>c</sub> )																																						
7. Crop Water Requirement																																						
B. Effective Rain	0.00	0.10	0.14	0.14	0.10	0.00	0.00	0.10	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
C. Net Field Requirement	0.00	0.00	0.04	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
D. Irrigation Efficiency	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50		
E. Unit Diversion Requirement	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
F. Diversion Requirement	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

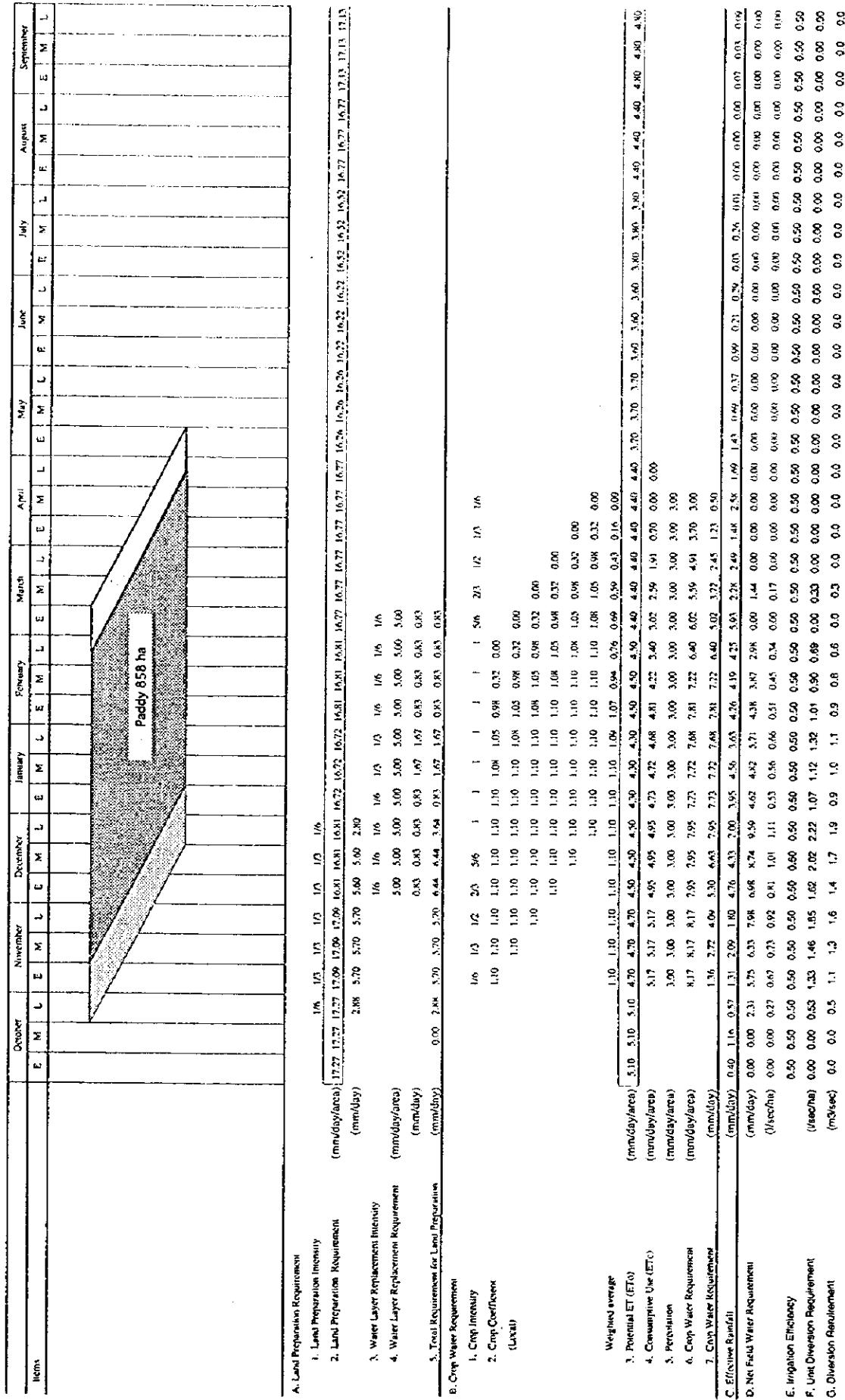
**80% Dependability Water Requirement for Sugarcane 2297ha 1994-1995 (Menturus Rubber Dam)**

												Sugarcane 2297 ha																								
												Sugarcane 2297 ha																								
October			November			December			January			February			March			April			May			June			July			August			September			
E	M	L	E	M	L	E	M	L	E	M	L	E	M	L	E	M	L	E	M	L	E	M	L	E	M	L	E	M	L	E	M	L				
1.00	0.99	0.98	0.98	0.95	0.94	0.94	0.94	0.93	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90		
0.99	0.99	0.98	0.98	0.95	0.94	0.94	0.94	0.93	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90		
1. Crop Intensity	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1			
2. Crop Coefficient	0.99	0.99	0.98	0.98	0.95	0.94	0.94	0.94	0.93	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	
3. Potential ET (ET <sub>0</sub> )	5.10	5.10	5.10	5.10	4.70	4.70	4.70	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.40	4.40	4.40	4.40	4.40	4.40	4.40	4.40	4.40	4.40	4.40	4.40	4.40	4.40		
4. Consumptive Use (ET <sub>c</sub> )	5.05	5.05	5.05	5.05	4.42	4.18	4.00	3.78	3.69	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60		
5. Daily Water Requirement	5.05	5.05	5.05	5.05	4.42	4.18	4.00	3.78	3.69	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60		
6. Effective Rain	0.65	1.70	0.91	1.92	2.94	2.52	6.27	5.69	2.71	5.08	5.28	4.64	5.81	5.20	5.25	7.55	2.97	2.22	1.95	3.20	2.22	1.84	0.94	0.52	1.33	0.31	0.42	0.05	0.40	0.02	0.00	0.00	0.00	0.02	0.05	0.15
7. Crop Water Requirement	(mm/day)	(mm/day)	(mm/day)	(mm/day)	(mm/day)	(mm/day)	(mm/day)	(mm/day)	(mm/day)	(mm/day)	(mm/day)	(mm/day)	(mm/day)	(mm/day)	(mm/day)	(mm/day)	(mm/day)	(mm/day)	(mm/day)	(mm/day)	(mm/day)	(mm/day)	(mm/day)	(mm/day)	(mm/day)											
C. Net Field Requirement	4.40	3.26	4.08	2.50	1.24	1.48	0.90	0.00	0.49	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
D. Irrigation Efficiency	0.51	0.34	0.47	0.29	0.14	0.17	0.00	0.00	0.16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
E. Unit Diversion Requirement	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	
F. Diversion Requirement	1.02	0.75	0.95	0.58	0.29	0.34	0.00	0.00	0.21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	

## **Menturus Rubber Dam Diversion Requirements 1995-1996 (80% Dependability)**

August																	
September																	
October																	
E	M	L	E	M	L	E	M	L	E	M	L	E	M	L	E		
October	November	December	January	February	March	April	May	June	July	August	September	October	November	December	January		
<b>Rainy Season Paddy 850ha</b>																	
A. Net Field Water Requirement	(l/sec/ha)	0.60	0.00	0.22	0.67	0.73	0.92	0.81	1.01	1.11	0.53	0.56	0.66	0.51	0.45	0.34	
B. Irrigation Efficiency		0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	
C. Unit Diversion Requirement	(l/sec/ha)	0.00	0.00	1.33	1.46	1.85	2.02	2.22	1.07	1.12	1.32	1.01	0.90	0.69	0.00	0.33	0.00
D. Diversion Requirement	(m³/sec)	0.0	0.0	0.5	1.1	1.3	1.6	1.4	1.7	1.9	1.0	1.1	0.9	0.6	0.3	0.0	0.0
<b>Potowijo 785ha</b>																	
A. Net Field Water Requirement	(l/sec/ha)	0.52	0.15	0.20	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
B. Irrigation Efficiency		0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
C. Unit Diversion Requirement	(l/sec/ha)	0.63	0.30	0.40	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
D. Diversion Requirement	(m³/sec)	0.5	0.2	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>Potowijo 109ha</b>																	
A. Net Field Water Requirement	(l/sec/ha)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
B. Irrigation Efficiency		0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
C. Unit Diversion Requirement	(l/sec/ha)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
D. Diversion Requirement	(m³/sec)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>Potowijo 514ha</b>																	
A. Net Field Water Requirement	(l/sec/ha)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
B. Irrigation Efficiency		0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
C. Unit Diversion Requirement	(l/sec/ha)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
D. Diversion Requirement	(m³/sec)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>Potowijo 721ha</b>																	
A. Net Field Water Requirement	(l/sec/ha)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
B. Irrigation Efficiency		0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
C. Unit Diversion Requirement	(l/sec/ha)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
D. Diversion Requirement	(m³/sec)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>Unlicensed Paddy 196ha</b>																	
A. Net Field Water Requirement	(l/sec/ha)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
B. Irrigation Efficiency		0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
C. Unit Diversion Requirement	(l/sec/ha)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
D. Diversion Requirement	(m³/sec)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>Sugarcane 253.4ha</b>																	
A. Net Field Water Requirement	(l/sec/ha)	0.51	0.38	0.47	0.29	0.14	0.17	0.00	0.10	0.00	0.00	0.00	0.03	0.00	0.15	0.00	0.12
B. Irrigation Efficiency		0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
C. Unit Diversion Requirement	(l/sec/ha)	0.02	0.75	0.95	0.58	0.29	0.34	0.00	0.21	0.00	0.00	0.00	0.00	0.00	0.29	0.00	0.24
D. Diversion Requirement	(m³/sec)	2.6	1.9	2.4	1.5	0.7	0.9	0.0	0.5	0.0	0.0	0.0	0.1	0.0	0.7	0.0	0.6
<b>Total Diversion Requirement</b>																	
		3.1	2.1	3.2	2.6	2.0	2.5	1.4	1.7	2.4	0.9	1.0	1.1	0.6	0.4	0.0	0.7
											1.3	2.0	2.0	2.4	2.2	2.5	3.0

80% Dependability Water Requirement for Rainy Season Paddy 85ha 1995-1996 (Menturus Rubber Dam)



80% Dependability Water Requirement for Polowijo 768ha 1995-1996 (Menturus Rubber Dam)

Items	October			November			December			January			February			March			April			May			June			July			August		
	E	M	L	E	M	L	E	M	L	E	M	L	E	M	L	E	M	L	E	M	L	E	M	L	E	M	L	E	M	L			
Polowijo 768 ha																																	
A. Crop Water Requirement																																	
1. Crop Intensity	17/19	15/19	13/19	11/19	9/19	7/19	5/19	3/19	1/19	17/19	15/19	13/19	11/19	9/19	7/19	5/19	3/19	1/19	17/19	15/19	13/19	11/19	9/19	7/19	5/19	3/19	1/19	17/19	15/19	13/19			
2. Crop Coefficient	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73			
3. Potential ET (ET <sub>0</sub> )	(mm/day/area)	5.10	5.10	5.10	5.10	5.10	5.10	5.10	5.10	5.10	5.10	5.10	5.10	5.10	5.10	5.10	5.10	5.10	5.10	5.10	5.10	5.10	5.10	5.10	5.10	5.10	5.10	5.10	5.10	5.10	5.10		
4. Consumptive Use (ET <sub>c</sub> )	(mm/day/area)	3.72	3.72	3.72	3.72	3.72	3.72	3.72	3.72	3.72	3.72	3.72	3.72	3.72	3.72	3.72	3.72	3.72	3.72	3.72	3.72	3.72	3.72	3.72	3.72	3.72	3.72	3.72	3.72	3.72	3.72		
5. Crop Water Requirements	(mm/day)	3.3	2.94	2.55	1.60	1.63	1.26	0.96	0.52	0.17	3.3	2.94	2.55	1.60	1.63	1.26	0.96	0.52	0.17	3.3	2.94	2.55	1.60	1.63	1.26	0.96	0.52	0.17	3.3	2.94	2.55		
B. Effective Rain	(mm/day)	0.59	1.61	1.63	1.77	2.17	2.40	3.10	5.48	2.64	0.59	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
C. Net Field Requirement	(l/sec/ha)	2.74	1.31	1.71	0.21	0.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
D. Irrigation Efficiency	(l/sec/ha)	0.52	0.15	0.20	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
E. Unit Diversion Requirement	(m <sup>3</sup> /sec)	0.5	0.2	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
F. Diversion Requirement																																	
G. Diversion Requirement																																	

**80% Dependability Water Requirement for Polowijo 109ha 1995-1996 (Menturus Rubber Dam)**

Item	October			November			December			January			February			March			April			May			June			July			August			September		
	E	M	L	E	M	L	E	M	L	E	M	L	E	M	L	E	M	L	E	M	L	E	M	L	E	M	L	E	M	L						
Polowijo 109 ha																																				
A. Crop Water Requirement																																				
1. Crop Intensity	1/7	2/7	3/7	4/7	5/7	6/7	7	1	1	1	6/7	5/7	4/7	3/7	2/7	1/7																				
2. Crop Coefficient	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73					
3. Potential ET <sub>0</sub> (ET <sub>0</sub> )	5.10	5.10	5.10	4.70	4.70	4.70	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.40	4.40	4.40	4.40	4.40	4.40	4.40	4.40	4.40	4.40	4.40				
4. Consumptive Use (ET <sub>c</sub> )	3.72	3.43	3.43	3.43	3.29	3.29	3.29	3.14	3.14	3.14	3.14	3.14	3.14	3.14	3.14	3.14	3.14	3.14	3.14	3.14	3.14	3.29	3.29	3.29	3.29	3.29	3.29	3.29	3.29	3.29	3.29	3.29				
5. Crop Water Requirement (mm/day)	0.53	0.98	1.47	1.96	2.35	2.82	3.29	3.14	3.14	3.14	2.82	2.35	1.96	1.47	0.98	0.53	0.46	0.40	0.34	0.28	0.22	0.16	0.11	0.06	0.03	0.01	0.00	0.00	0.00	0.00	0.00	0.00				
B. Effective Rain	(mm/day)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				
C. Net Field Requirement (l/sec/ha)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				
D. Irrigation Efficiency	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50				
E. Unit Diversion Requirement	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				
F. Diversion Allocation	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		

80% Dependability Water Requirement for Polowijo S14tha 1995-1996 (Menturus Rubber Dam)

Items	October			November			December			January			February			March			April			May			June			July			August			
	E	M	L	E	M	L	E	M	L	E	M	L	E	M	L	E	M	L	E	M	L	E	M	L	E	M	L	E	M	L				
A. Crop Water Requirement																																		
1. Crop Intensity	108	164	308	112	508	34	708	1	1	47	57	47	37	27	17																			
2. Crop Coefficient	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73			
3. Potential ET (ET <sub>P</sub> )	5.10	5.10	5.10	4.70	4.70	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.40	4.40	4.40	3.70	3.70	3.70	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60		
4. Consumptive Use (ET <sub>C</sub> )	3.29	3.21	3.21	3.21	3.21	3.21	3.21	3.21	3.21	3.21	3.21	3.21	3.21	3.21	3.21	2.70	2.70	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63	
5. Crop Water Requirement (mm/day)	0.41	0.60	1.20	1.61	2.01	2.41	2.81	2.70	2.70	2.32	1.98	1.50	1.13	0.70	0.40																			
B. Effective Rain	(mm/day)	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	
C. Net Field Requirement (l/sec/m)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
D. Irrigation Efficiency	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50		
E. Unit Diversion Requirement (m <sup>3</sup> /sec)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
F. Diversion Requirement																																		

**80% Dependability Water Requirement for Polowijo 781ha 1995-1996 (Menturus Rubber Dam)**

Items	October			November			December			January			February			March			April			May			June			July			August			September		
	E	M	L	E	M	L	E	M	L	E	M	L	E	M	L	E	M	L	E	M	L	E	M	L	E	M	L	E	M	L	E	M	L			
1. Crop Water Requirement																																				
1. Crop Intensity																																				
2. Crop Coefficient																																				
3. Potential ET (ET <sub>0</sub> )																																				
4. Consumptive Use (ET <sub>c</sub> )																																				
5. Crop Water Requirement (mm/day/area)	5.10	5.10	4.70	4.70	4.70	4.50	4.50	4.50	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30				
6. Crop Water Requirement (mm/day/area)																																				
7. Crop Water Requirement (mm/day)																																				
D. Effective Rain																																				
C. Net Field Requirement																																				
G. Net Field Requirement (mm/day)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				
H. Irrigation Efficiency																																				
I. Unit Diversion Requirement (l/sec/ha)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				
J. Diversion Requirement (m <sup>3</sup> /sec)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0				

80% Dependability Water Requirement for Unirrigated Paddy 196ha 1995-1996 (Menturus Rubber Dam)

Items	October			November			December			January			February			March			April			May			June			July			August			
	E	M	L	E	M	L	E	M	L	E	M	L	E	M	L	E	M	L	E	M	L	E	M	L	E	M	L	E	M	L				
A. Crop Water Requirement																																		
1. Crop Intensity																																		
2. Crop Coefficient																																		
3. Potential ET (ET <sub>P</sub> )																																		
4. Consumptive Use (ET <sub>C</sub> )																																		
5. PDI (mm/day/mm)	5.10	5.10	5.10	4.70	4.70	4.70	4.50	4.50	4.50	4.30	4.30	4.30	4.50	4.50	4.50	4.40	4.40	4.40	4.40	4.40	4.40	4.40	4.40	4.40	4.40	4.40	4.40	4.40	4.40	4.40	4.40	4.40		
6. Rainfall (mm/day/areal)																																		
7. Crop Water Requirement (mm/day)																																		
B. Effective Rain (mm/day)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
C. Net PDI Requirement (l/sec/ha)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
D. Irrigation Efficiency																																		
E. Unit Diversion Requirement (l/sec/ma)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
F. Diversion Requirement (m <sup>3</sup> /sec)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

**80% Dependability Water Requirement for Sugarcane 2534ha 1995-1996 (Menturus Rubber Dam)**

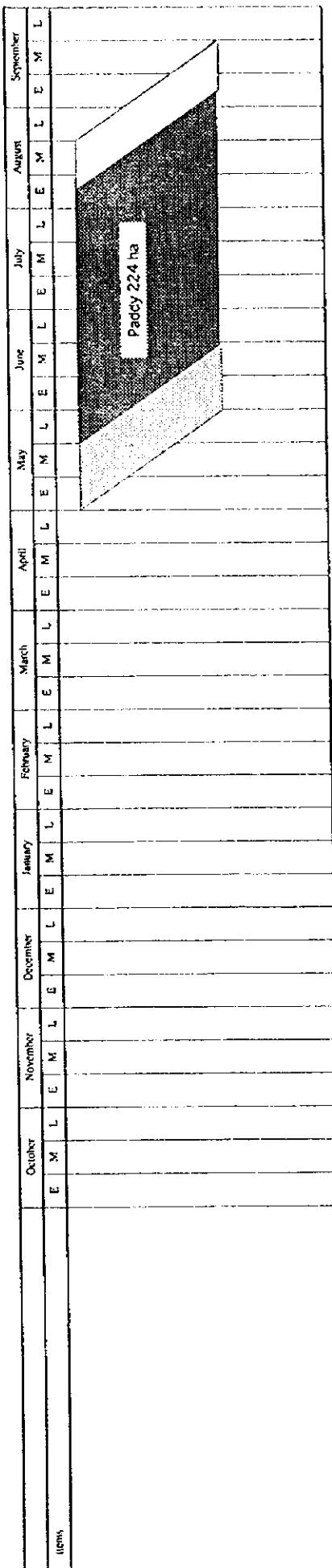
Months	October			November			December			January			February			March			April			May			June			July			August			September		
	E	M	L	E	M	L	E	M	L	E	M	L	E	M	L	E	M	L	E	M	L	E	M	L	E	M	L	E	M	L	E	M	L			
Sugarcane 2534 ha																																				
(mm/day/areca)																																				
1. Crop Intensity	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1					
2. Crop Coefficient	0.96	0.99	0.94	0.89	0.85	0.84	0.82	0.80	0.79	0.77	0.76	0.75	0.74	0.73	0.73	0.73	0.73	0.73	0.74	0.78	0.83	0.87	0.93	0.96	0.97	0.98	0.99	0.99	0.99	0.99	0.99					
3. Potential ET (ET <sub>P</sub> )	5.10	5.10	5.10	4.70	4.70	4.70	4.50	4.50	4.50	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.40	4.40	4.40	4.40	4.40	4.40	4.40	4.40	4.40	4.40	4.40	4.40	4.40	4.40	4.40			
4. Consumptive Use (ETC)	5.05	5.05	5.05	4.42	4.18	4.00	3.78	3.69	3.60	3.49	3.31	3.27	3.26	3.33	3.33	3.29	3.21	3.21	3.21	3.21	3.26	3.29	3.67	3.70	3.70	3.70	3.70	3.70	3.70	3.70	3.70	3.70	3.70			
5. Crop Water Requirement	5.05	5.05	5.05	4.42	4.18	4.00	3.78	3.69	3.60	3.49	3.31	3.27	3.26	3.33	3.33	3.29	3.21	3.21	3.21	3.21	3.26	3.29	3.67	3.72	3.72	3.72	3.72	3.72	3.72	3.72	3.72	3.72	3.72			
6. Effective Rain	0.65	1.79	0.91	1.92	2.94	2.52	6.27	5.69	2.71	5.08	5.76	4.64	5.31	5.20	5.25	7.35	2.97	5.22	1.98	5.30	2.22	1.84	0.94	1.52	1.53	0.51	0.42	0.15	0.40	0.02	0.01	0.12	0.05	0.15		
7. Net Field Requirement	4.40	3.26	4.06	2.50	1.24	1.48	0.00	0.89	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.05	2.13	2.20	1.84	2.93	2.39	3.48	3.21	3.63	4.27	4.31	4.36	4.36	
C. Net Field Requirement	0.51	0.38	0.47	0.29	0.14	0.17	0.00	0.00	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.15	0.09	0.12	0.25	0.31	0.21	0.34	0.33	0.40	0.37	0.42	0.49	0.50	0.50	0.50	0.50	0.50	
D. Irrigation Efficiency	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50		
E. Unit Diversion Requirement	1.02	0.75	0.95	0.58	0.29	0.34	0.00	0.00	0.21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.29	0.00	0.24	0.49	0.62	0.43	0.68	0.67	0.81	0.74	0.84	0.99	1.00	1.01	1.07	1.09	1.07	
F. Unit Diversion Requirement	(m <sup>3</sup> /sec)	2.4	1.8	2.2	1.4	0.7	0.8	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.7	0.0	0.6	1.2	1.5	1.0	1.6	1.9	2.0	2.3	2.4	2.5	2.6	2.5		
G. Diversion Requirement																																				

## Jatikulan Diversions Requirements 1994-1995 (80% Dependability)

**80% Dependability Water Requirement for Rainy Season Paddy 567ha 1994-1995 (Jatikuton)**

Items	October			November			December			January			February			March			April			May			June			July			August			September					
	E	M	L	E	M	L	E	M	L	E	M	L	E	M	L	E	M	L	E	M	L	E	M	L	E	M	L	E	M	L									
<b>Paddy 567 ha</b>																																							
A. Land Preparation Requirement																																							
1. Land Preparation Intensity																																							
2. Land Preparation Requirement	(mm/day/area)	17.22	17.22	17.22	17.22	17.22	17.22	17.22	17.22	17.22	16.81	16.81	16.81	16.81	16.81	16.81	16.81	16.81	16.81	16.77	16.77	16.77	16.77	16.77	16.77	16.77	16.77	16.77	16.77	16.77	16.77	16.77	16.77	16.77					
(mm/day)	8.55	16.81	8.41																																				
3. Water Layer Replacement Intensity																																							
4. Water Layer Replacement Requirement	(mm/day/area)	5.10	5.10	4.70	4.70	4.70	4.70	4.70	4.70	4.70	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.40	4.40	4.40	4.40	4.40	4.40	4.40	4.40	4.40	4.40	4.40	4.40	4.40	4.40	4.40					
(mm/day)	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50							
5. Total Requirements for Land Preparation																																							
A. Crop Water Requirement																																							
1. Crop Intensity																																							
2. Crop Growth																																							
(Local)																																							
Weighted average																																							
3. Potential ET (ET <sub>0</sub> )	(mm/day/area)	5.10	5.10	4.70	4.70	4.70	4.70	4.70	4.70	4.70	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.40	4.40	4.40	4.40	4.40	4.40	4.40	4.40	4.40	4.40	4.40	4.40	4.40	4.40	4.40					
(mm/day)	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50							
4. Consumptive Use (ET <sub>c</sub> )																																							
5. Percolation																																							
(mm/day/area)																																							
6. Crop Water Requirement																																							
(mm/day)																																							
7. Crop Water Requirement																																							
(mm/day)	0.32	0.40	0.57	0.73	1.71	1.10	3.87	1.81	1.21	1.60	2.26	1.89	3.21	2.69	4.12	4.18	1.57	2.41	0.67	3.11	3.12	2.57	2.70	1.59	1.77	1.99	0.79	0.59	0.66	0.53	0.62	0.60	0.71	0.68	0.74				
(mm/day/area)	0.16	0.20	0.34	0.46	1.00	0.60	7.44	3.64	2.04	0.57	0.74	0.74	7.89	8.34	4.74	5.26	0.29	0.14	5.91	3.45	3.03	0.83	0.69	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60
(l/sec/ha)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
C. Irrigation Rate																																							
1. Net Field Water Requirement																																							
(l/sec/ha)	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50		
B. Irrigation Efficiency																																							
C. Unit Diversion Requirement																																							
D. Diversion Requirement																																							

**80% Dependability Water Requirement for Dry Season Paddy 224ha 1994-1995 (Jatikulon)**



**A. Land Preparation Requirement**

1. Land Preparation Intensity	(mm/day/area)	17.27	17.27	17.09	17.09	16.81	16.81	16.81	16.81	16.72	16.72	16.72	16.72	16.72	16.72	16.72	16.72	16.72	16.72	16.72	16.72	16.72	16.72	16.72
2. Land Preparation Requirement	(mm/day)																							
3. Water Layer Replacement Intensity	(mm/day/area)																							
4. Water Layer Replacement Requirement	(mm/day)																							
5. Total Requirement for Land Preparation	(mm/day)																							
<b>B. Crop Water Requirement</b>																								
1. Crop Intensity	(mm/day)	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10
2. Crop Coefficient	(MMV)																							
3. Potential ET (ET <sub>0</sub> )	(mm/day/area)	5.10	5.10	4.70	4.70	4.50	4.50	4.30	4.30	4.10	4.10	4.00	4.00	3.80	3.80	3.60	3.60	3.40	3.40	3.20	3.20	3.00	3.00	2.80
4. Consumptive Use (ET <sub>c</sub> )	(mm/day/area)																							
5. Percolation	(mm/day/area)																							
6. Crop Water Requirement	(mm/day)																							
7. Crop Water Requirement	(mm/day)																							
<b>C. Effective Rainfall</b>	(mm/day)	0.32	0.40	0.57	0.23	1.31	1.10	3.87	1.81	1.21	3.00	2.24	1.89	1.21	2.69	4.12	4.04	1.57	2.41	0.67	1.11	2.57	0.70	0.59
<b>D. Net Field Water Requirement</b>	(mm/day)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>B. Irrigation Efficiency</b>	(Y/sec/ha)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>C. Unit Diversion Requirement</b>	(Vs/Sec)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>D. Diversion Requirement</b>	(m <sup>3</sup> /sec)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

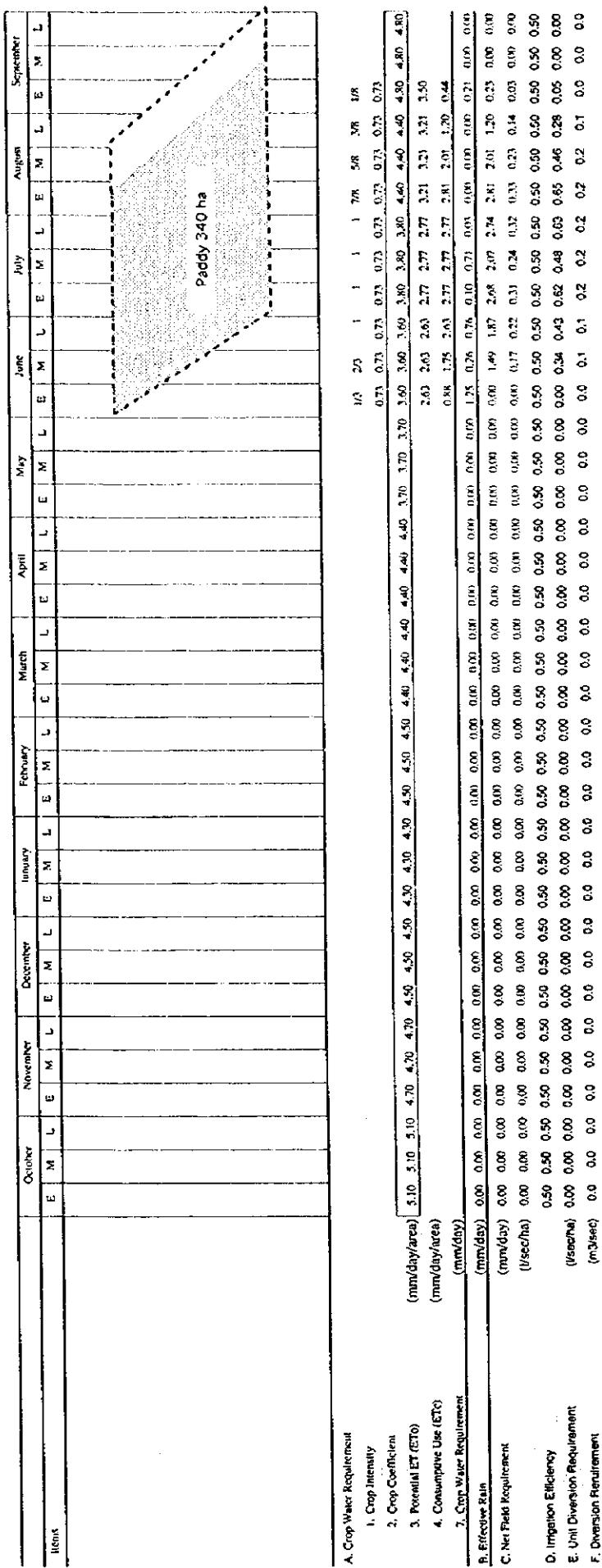
**80% Dependability Water Requirement for Unlicensed paddy 20ha 1994-1995 (Jatikulon)**

Items	October			November			December			January			February			March			April			May			June			July			August		
	E	M	L	E	M	L	E	M	L	E	M	L	E	M	L	E	M	L	E	M	L	E	M	L	E	M	L	E	M	L			
1. Crop Intensity	1	1	1/2																														
2. Crop Coefficient	0.73	0.73	0.73																														
3. Potential ET (ET <sub>0</sub> )	5.10	5.10	4.70	4.70	4.70	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50				
4. Consumptive Use (ET <sub>c</sub> )	3.72	3.72	3.72																														
7. Crop Water Requirement	(mm/day)	3.72	3.72	3.72																													
B. Effective Rain	(mm/day)	0.47	0.60	0.83	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
C. Net Field Requirement	(mm/day)	3.25	3.13	1.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
D. Irrigation Efficiency	(%)	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50			
E. Unit Diversion Requirement	(m³/sec)	0.75	0.72	0.24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
F. Diversions Required	(m³/sec)	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		

80% Dependability Water Requirement for Polowijo 23ha 1994-1995 (Jatikulon)

## 80% Dependability Water Requirement for Polowijo 202ha 1994-1995 (Jatikulon)

80% Dependability Water Requirement for Unlicensed Paddy 340ha 1994-1995 (Jatikulon)



**80% Dependability Water Requirement for Sugarcane 32ha 1994-1995 (Jatikulan)**

Item	October			November			December			January			February			March			April			May			June			July			August				
	G	M	L	E	M	L	E	M	L	E	M	L	E	M	L	E	M	L	E	M	L	E	M	L	E	M	L	E	M	L					
1. Crop Intensity	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1					
0.99 0.98																																			
2. Crop Coefficient																																			
3. Potential ET (ET <sub>P</sub> )	5.10 5.10																																		
4. Consumptive Use (ET <sub>C</sub> )																																			
5. Crop Water Requirement (mm/day)	5.05 5.05																																		
6. Effective Rain (mm/day)	0.32 0.32																																		
7. Net Field Requirement (l/sec/ha)	4.53 4.53																																		
B. Effective Rain																																			
C. Net Field Requirement																																			
D. Irrigation Efficiency	0.50 0.50																																		
E. Unit Diversion Requirement	1.05 1.02 0.95 0.94 0.94 0.93																																		
F. Diversion Requirement	(m <sup>3</sup> /sec)	0.0 0.0																																	

## Jatikulan Diversion Requirements 1995-1996 (80% Dependability)

80% Dependability Water Requirements for Rainy Season Paddy 592ha 1995-1996 (Jatikulon)

