PN-ACE-771
101076

DAI, Development Alternatives Inc.
WQIC Project

CONSULTANCY SERVICES
for
IRRIGATION WATER USE EFFICIENCIES
JORDAN VALLEY SURVEY

DAI PROJECT NUMBER 3114
USAID CONTRACT # 278-C-00-94-00026-09

FINAL SURVEY REPORT
VOLUME II - APPENDICES

February 1998

(مهندسون مستشارون) المستشار الاردني
Jordanian Consulting Engineer Co.

APPENDICES

APPENDIX A · METEOROLOGICAL DATA

Station Deir Alla — Potential Evapotranspiration (mm/day) — Aug 1993-Jul 1994

Aug - Dec 1993												Jan - Jul 1994											
01 Aug	6.37	01 Sep	5.95	01 Oct	3.86	01 Nov	1.70	01 Dec	1.65	01 Jan	1.53	01 Feb	1.15	01 Mar	2.38	01 Apr	2.15	01-May	4.65	01 Jun	6.63	01 Jul	7.50
02 Aug	6.10	02 Sep	4.89	02 Oct	3.75	02 Nov	1.95	02 Dec	1.68	02 Jan	1.46	02 Feb	1.20	02 Mar	2.47	02-Apr	3.25	02 May	3.99	02 Jun	6.06	02 Jul	7.04
03 Aug	5.95	03-Sep	5.07	03-Oct	3.79	03 Nov	2.60	03 Dec	1.75	03 Jan	2.15	03 Feb	1.58	03 Mar	2.57	03 Apr	4.11	03-May	5.48	03 Jun	5.69	03 Jul	7.33
04 Aug	6.47	04 Sep	5.35	04 Oct	3.60	04 Nov	3.58	04 Dec	1.79	04 Jan	1.25	04 Feb	1.71	04 Mar	2.63	04 Apr	6.33	04 May	3.71	04 Jun	6.07	04 Jul	7.28
05 Aug	6.95	05 Sep	4.71	05 Oct	3.48	05 Nov	3.91	05 Dec	1.79	05 Jan	1.32	05 Feb	1.61	05 Mar	2.47	05 Apr	7.91	05 May	4.58	05 Jun	6.37	05 Jul	6.84
06 Aug	6.17	06 Sep	4.69	06 Oct	3.47	06 Nov	4.34	06 Dec	1.44	06 Jan	1.89	06 Feb	2.28	06 Mar	2.18	06 Apr	4.86	06 May	5.23	06 Jun	6.95	06 Jul	7.34
07 Aug	6.21	07 Sep	5.28	07 Oct	3.60	07 Nov	4.52	07 Dec	1.32	07 Jan	2.83	07 Feb	2.39	07 Mar	1.90	07 Apr	2.86	07 May	6.79	07 Jun	7.74	07 Jul	7.33
08 Aug	6.26	08 Sep	4.98	08 Oct	3.43	08 Nov	2.61	08 Dec	1.12	08 Jan	2.22	08 Feb	2.55	08 Mar	2.37	08 Apr	3.98	08 May	6.37	08 Jun	6.71	08 Jul	7.76
09 Aug	6.19	09 Sep	5.21	09 Oct	3.75	09 Nov	2.18	09 Dec	1.31	09 Jan	1.02	09 Feb	2.18	09 Mar	2.21	09 Apr	4.36	09 May	4.71	09 Jun	5.67	09 Jul	7.18
10 Aug	5.79	10 Sep	5.26	10 Oct	3.80	10 Nov	2.71	10 Dec	1.71	10 Jan	3.90	10 Feb	1.91	10 Mar	1.83	10 Apr	5.09	10-May	4.86	10 Jun	6.19	10 Jul	6.90
11 Aug	5.93	11 Sep	5.24	11 Oct	3.47	11 Nov	2.88	11 Dec	2.47	11 Jan	1.76	11 Feb	2.07	11 Mar	1.87	11 Apr	6.07	11 May	6.09	11 Jun	5.80	11 Jul	6.91
12 Aug	5.99	12 Sep	4.96	12 Oct	3.28	12 Nov	2.17	12 Dec	3.31	12 Jan	2.32	12 Feb	1.85	12 Mar	2.29	12 Apr	6.95	12 May	5.61	12 Jun	6.28	12 Jul	6.59
13 Aug	5.47	13 Sep	4.92	13 Oct	4.07	13 Nov	1.51	13 Dec	2.18	13 Jan	1.21	13 Feb	2.26	13 Mar	1.66	13 Apr	6.31	13 May	5.15	13 Jun	6.37	13 Jul	6.47
14 Aug	5.89	14 Sep	5.34	14 Oct	4.78	14 Nov	3.33	14 Dec	1.03	14 Jan	1.57	14 Feb	1.79	14 Mar	1.89	14 Apr	6.48	14-May	5.33	14 Jun	6.66	14 Jul	6.57
15 Aug	6.37	15 Sep	5.87	15 Oct	6.68	15 Nov	1.85	15 Dec	1.22	15 Jan	1.12	15 Feb	1.92	15 Mar	2.26	15 Apr	7.04	15-May	5.63	15 Jun	7.35	15 Jul	6.71
16 Aug	6.05	16 Sep	4.93	16 Oct	5.52	16 Nov	2.33	16 Dec	2.14	16 Jan	1.06	16 Feb	1.75	16 Mar	2.90	16 Apr	5.71	16 May	6.96	16 Jun	6.81	16 Jul	5.68
17 Aug	6.07	17 Sep	4.92	17 Oct	6.16	17 Nov	1.91	17 Dec	1.77	17 Jan	1.27	17 Feb	1.59	17 Mar	3.39	17 Apr	5.23	17 May	7.31	17 Jun	6.52	17 Jul	6.51
18 Aug	6.13	18 Sep	5.51	18 Oct	5.05	18 Nov	1.87	18 Dec	1.71	18 Jan	2.15	18 Feb	2.93	18 Mar	3.08	18 Apr	5.62	18-May	7.66	18 Jun	5.89	18 Jul	6.16
19 Aug	6.66	19 Sep	5.08	19 Oct	4.97	19 Nov	2.61	19 Dec	2.92	19 Jan	1.81	19 Feb	4.78	19 Mar	3.59	19 Apr	4.96	19 May	6.65	19 Jun	6.86	19 Jul	6.39
20 Aug	6.41	20 Sep	4.99	20 Oct	4.87	20 Nov	4.96	20 Dec	2.87	20 Jan	1.45	20 Feb	2.78	20 Mar	3.42	20 Apr	6.54	20 May	6.81	20 Jun	6.79	20 Jul	6.63
21 Aug	5.78	21 Sep	4.63	21 Oct	5.67	21 Nov	4.78	21 Dec	1.74	21 Jan	1.13	21 Feb	1.71	21 Mar	2.61	21 Apr	5.81	21 May	7.15	21 Jun	6.99	21 Jul	6.61
22 Aug	6.05	22 Sep	4.76	22 Oct	3.96	22 Nov	3.03	22 Dec	1.82	22 Jan	1.25	22 Feb	1.83	22 Mar	3.03	22 Apr	5.99	22 May	6.26	22 Jun	6.93	22 Jul	7.03
23 Aug	6.02	23 Sep	4.29	23 Oct	3.41	23 Nov	2.12	23 Dec	1.22	23 Jan	1.07	23 Feb	1.31	23 Mar	2.50	23 Apr	5.15	23 May	7.00	23 Jun	7.15	23 Jul	6.94
24 Aug	5.83	24 Sep	3.14	24 Oct	3.79	24 Nov	1.98	24 Dec	1.13	24 Jan	1.03	24 Feb	1.21	24 Mar	2.73	24 Apr	4.29	24 May	7.40	24 Jun	6.41	24 Jul	7.10
25 Aug	5.85	25 Sep	4.18	25 Oct	4.33	25 Nov	1.74	25-Dec	1.94	25 Jan	1.13	25 Feb	2.30	25 Mar	3.03	25 Apr	3.70	25 May	7.76	25 Jun	6.21	25 Jul	7.02
26 Aug	5.49	26 Sep	4.31	26 Oct	3.99	26 Nov	1.53	26 Dec	2.82	26 Jan	1.11	26 Feb	2.16	26 Mar	3.15	26 Apr	4.56	26 May	7.98	26 Jun	6.71	26 Jul	7.26
27 Aug	5.17	27 Sep	1.36	27 Oct	3.09	27 Nov	1.70	27 Dec	1.67	27 Jan	2.70	27 Feb	1.10	27 Mar	1.32	27 Apr	5.17	27 May	7.80	27 Jun	6.96	27 Jul	6.16
28 Aug	6.15	28 Sep	4.31	28 Oct	3.13	28 Nov	1.13	28 Dec	1.62	28 Jan	2.53	28 Feb	1.83	28 Mar	3.60	28 Apr	5.12	28 May	6.87	28 Jun	6.37	28 Jul	6.37
29 Aug	6.69	29 Sep	1.10	29 Oct	3.15	29 Nov	3.19	29 Dec	1.90	29 Jan	1.66			29 Mar	1.21	29 Apr	5.20	29 May	7.13	29 Jun	6.50	29 Jul	6.38
30 Aug	6.60	30 Sep	4.33	30 Oct	3.60	30 Nov	1.57	30 Dec	1.81	30 Jan	1.86			30 Mar	4.24	30 Apr	5.17	30 May	6.90	30 Jun	7.37	30 Jul	6.18
31 Aug	6.22			31 Oct	3.22			31 Dec	2.53	31 Jan	2.12			31 Mar	3.12			31 May	7.00			31 Jul	6.11

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[redacted] Potential Evapotranspiration (mm/day) Aug 1990-Jul 1991

01 Aug	7.30	01 Sep	5.79	01 Oct	4.91	01 Nov	2.27	01 Dec	2.99	01 Jan	2.19	01 Feb	1.61	01 Mar	2.94	01 Apr	3.77	01 May	6.09	01 Jun	6.18	01 Jul	7.35
02 Aug	7.31	02 Sep	5.74	02 Oct	5.18	02 Nov	2.50	02 Dec	2.84	02 Jan	2.30	02 Feb	1.57	02 Mar	2.67	02 Apr	4.26	02 May	6.20	02 Jun	5.99	02-Jul	7.45
03 Aug	6.61	03 Sep	5.50	03 Oct	4.80	03 Nov	2.79	03 Dec	3.08	03 Jan	2.11	03 Feb	1.26	03 Mar	1.17	03 Apr	3.73	03 May	4.84	03 Jun	6.37	03 Jul	7.14
04 Aug	6.49	04 Sep	5.58	04 Oct	4.35	04-Nov	3.03	04 Dec	1.56	04 Jan	1.60	04 Feb	0.99	04 Mar	1.37	04-Apr	3.62	04 May	2.81	04 Jun	6.84	04 Jul	7.41
05 Aug	6.64	05 Sep	6.02	05 Oct	4.32	05 Nov	2.66	05 Dec	2.51	05 Jan	1.53	05 Feb	1.36	05 Mar	2.00	05-Apr	3.90	05 May	4.27	05 Jun	7.17	05 Jul	7.45
06 Aug	6.73	06 Sep	6.69	06 Oct	4.03	06-Nov	2.[illegible]1	06 Dec	1.27	06 Jan	1.41	06-Feb	2.02	06 Mar	2.09	06-Apr	3.67	06 May	5.53	06 Jun	6.60	06 Jul	7.46
07 Aug	6.73	07 Sep	5.63	07-Oct	3.66	07 Nov	2.[illegible]3	07 Dec	1.78	07 Jan	2.00	07 Feb	2.87	07 Mar	2.74	07 Apr	1.82	07-May	6.41	07 Jun	7.05	07 Jul	7.49
08 Aug	6.67	08 Sep	5.51	08 Oct	3.61	08-Nov	2.[illegible]5	08 Dec	1.77	08 Jan	1.43	08 Feb	2.58	08 Mar	3.36	08 Apr	4.10	08 May	6.70	08-Jun	7.09	08-Jul	7.43
09 Aug	6.81	09 Sep	5.27	09 Oct	3.44	09 Nov	3.[illegible]2	09 Dec	1.19	09 Jan	1.58	09 Feb	2.40	09 Mar	2.71	09 Apr	2.55	09-May	7.23	09 Jun	6.95	09 Jul	6.95
10 Aug	6.93	10 Sep	5.21	10 Oct	4.32	10 Nov	3.81	10 Dec	1.59	10 Jan	2.20	10 Feb	2.07	10 Mar	2.91	10 Apr	2.94	10 May	7.50	10 Jun	6.12	10 Jul	6.68
11 Aug	6.69	11 Sep	5.52	11 Oct	4.19	11 Nov	4.[illegible]1	11 Dec	1.91	11 Jan	3.26	11 Feb	2.03	11 Mar	4.05	11 Apr	3.44	11 May	7.70	11 Jun	6.28	11 Jul	7.14
12 Aug	6.70	12 Sep	5.24	12 Oct	3.66	12 Nov	5.15	12 Dec	1.66	12 Jan	4.55	12 Feb	2.25	12 Mar	3.45	12 Apr	4.08	12 May	7.98	12 Jun	6.00	12 Jul	6.90
13 Aug	6.90	13 Sep	5.48	13 Oct	3.06	13-Nov	3.95	13 Dec	1.20	13 Jan	4.26	13 Feb	2.10	13 Mar	2.99	13-Apr	4.64	13 May	7.42	13-Jun	5.69	13 Jul	7.00
14 Aug	6.37	14 Sep	5.65	14 Oct	2.77	14 Nov	4.05	14 Dec	1.27	14 Jan	1.77	14 Feb	2.51	14 Mar	2.26	14 Apr	3.86	14 May	8.00	14 Jun	6.32	14 Jul	7.23
15 Aug	6.74	15 Sep	5.28	15 Oct	3.08	15-Nov	3.52	15 Dec	1.55	15 Jan	1.18	15 Feb	2.54	15 Mar	1.18	15 Apr	3.46	15 May	7.29	15 Jun	6.34	15 Jul	6.76
16 Aug	6.57	16 Sep	4.84	16 Oct	3.78	16 Nov	4.60	16 Dec	1.62	16 Jan	0.67	16 Feb	3.14	16 Mar	1.13	16 Apr	4.01	16 May	7.28	16 Jun	6.75	16 Jul	6.35
17 Aug	6.75	17 Sep	4.78	17 Oct	5.35	17 Nov	2.60	17 Dec	1.75	17 Jan	1.56	17 Feb	3.16	17 Mar	1.34	17 Apr	3.92	17-May	6.60	17 Jun	7.43	17 Jul	6.52
18 Aug	7.19	18 Sep	4.77	18 Oct	5.31	18 Nov	2.49	18 Dec	3.09	18 Jan	1.81	18 Feb	2.69	18 Mar	1.70	18 Apr	4.47	18-May	7.00	18 Jun	7.69	18 Jul	6.69
19 Aug	6.39	19 Sep	4.55	19 Oct	4.24	19 Nov	3.21	19 Dec	2.49	19 Jan	3.20	19 Feb	2.57	19 Mar	2.82	19 Apr	5.45	19 May	7.58	19 Jun	7.12	19 Jul	6.99
20 Aug	5.91	20 Sep	4.76	20 Oct	3.69	20 Nov	3.41	20 Dec	1.73	20 Jan	2.27	20 Feb	2.52	20 Mar	2.83	20 Apr	4.60	20-May	6.03	20 Jun	7.29	20 Jul	6.78
21 Aug	6.71	21 Sep	5.22	21-Oct	3.52	21 Nov	2.55	21 Dec	1.48	21 Jan	1.43	21 Feb	1.93	21 Mar	3.67	21-Apr	6.10	21 May	6.02	21-Jun	7.81	21 Jul	7.02
22 Aug	6.15	22 Sep	4.81	22 Oct	3.85	22 Nov	2.47	22-Dec	1.37	22 Jan	1.09	22 Feb	1.47	22 Mar	2.27	22 Apr	5.89	22-May	6.38	22-Jun	8.25	22-Jul	7.30
23 Aug	6.19	23 Sep	4.53	23 Oct	3.46	23 Nov	3.03	23 Dec	1.60	23 Jan	1.01	23 Feb	1.35	23 Mar	1.59	23-Apr	7.19	23 May	6.77	23-Jun	7.49	23 Jul	7.43
24 Aug	6.29	24 Sep	5.82	24 Oct	3.09	24 Nov	3.52	24 Dec	1.53	24 Jan	1.67	24 Feb	1.68	24 Mar	2.39	24-Apr	6.23	24-May	7.10	24 Jun	7.29	24 Jul	6.44
25 Aug	6.31	25 Sep	5.80	25 Oct	3.81	25 Nov	3.81	25 Dec	1.51	25 Jan	1.48	25 Feb	1.12	25 Mar	2.60	25 Apr	5.09	25-May	6.91	25 Jun	7.44	25 Jul	6.39
26 Aug	6.01	26 Sep	4.89	26 Oct	2.63	26 Nov	3.50	26 Dec	1.53	26 Jan	1.65	26 Feb	1.49	26 Mar	2.98	26-Apr	3.85	26 May	6.78	26 Jun	6.59	26 Jul	7.05
27 Aug	5.76	27 Sep	4.96	27 Oct	3.16	27-Nov	3.19	27 Dec	1.27	27 Jan	1.96	27 Feb	2.08	27 Mar	3.29	27 Apr	3.83	27-May	6.86	27 Jun	6.34	27 Jul	7.18
28 Aug	5.54	28 Sep	4.44	28 Oct	2.67	28 Nov	2.29	28 Dec	3.07	28 Jan	2.59	28 Feb	2.61	28 Mar	2.94	28-Apr	4.04	28-May	7.02	28-Jun	6.66	28 Jul	7.00
29 Aug	6.05	29 Sep	4.95	29 Oct	1.57	29 Nov	2.28	29 Dec	1.38	29 Jan	2.13			29 Mar	3.31	29-Apr	3.90	29 May	7.00	29 Jun	6.88	29 Jul	6.77
30 Aug	6.37	30 Sep	4.75	30-Oct	2.20	30 Nov	3.[illegible]	30 Dec	2.09	30 Jan	1.58			30 Mar	3.73	30-Apr	4.97	30-May	6.34	30 Jun	7.35	30-Jul	6.29
31 Aug	6.10			31 Oct	2.93			31 Dec	2.00	31 Jan	1.60			31 Mar	3.51			31-May	6.36			31 Jul	6.34

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Station Deir Alla (KPAN)

Month	Period	1993-1994	1996-1997
Aug.	1 - 10	0 65	0 65
	11 - 20	0 65	0 65
	21 - 31	0 65	0 65
	Mean	**0.65**	**0 65**
Sep	1 - 10	0 65	0 65
	11 - 20	0 65	0 65
	21 - 30	0 65	0 65
	Mean	**0.65**	**0.65**
Oct	1 - 10	0 65	0 65
	11 - 20	0 55	0 55
	21 - 31	0 65	0 65
	Mean	**0.62**	**0.62**
Nov	1 - 10	0 65	0 55
	11 - 20	0 65	0 50
	21 - 30	0 65	0 50
	Mean	**0 65**	**0 52**
Dec.	1 - 10	0 65	0 65
	11 - 20	0 60	0 65
	21 - 31	0 65	0 65
	Mean	**0 63**	**0 65**
Jan	1 - 10	0 60	0 65
	11 - 20	0 65	0 60
	21 - 31	0 75	0 65
	Mean	**0 67**	**0.63**
Feb	1 - 10	0 65	0 65
	11 - 20	0 65	0 55
	21 - 29	0 75	0 75
	Mean	**0.68**	**0 65**
Mar.	1 - 10	0 65	0 65
	11 - 20	0 65	0 65
	21 - 31	0 65	0 65
	Mean	**0 65**	**0 65**
Apr.	1 - 10	0 65	0 65
	11 - 20	0 55	0 65
	21 - 30	0 65	0 65
	Mean	**0 62**	**0.65**
May	1 - 10	0 65	0 65
	11 - 20	0 65	0 55
	21 - 31	0 65	0 65
	Mean	**0 65**	**0 62**
Jun	1 - 10	0 65	0 65
	11 - 20	0 65	0 65
	21 - 30	0 65	0 65
	Mean	**0 65**	**0.65**
Jul	1 - 10	0 65	0 65
	11 - 20	0 65	0 65
	21 - 31	0 65	0 65
	Mean	**0 65**	**0 65**

METEOROLOGICAL DEP RT ELT
CLIMATE DIVISION

STATION NAME DEIR ALLA ELEMENT NAME Solar Radiation Daily global Jul /cm 2

DATE Y M	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
1993 08	2455 7	2447 7	2508 9	2544 9	2607 9	2538 1	2524 5	2470 4	2432 3	2394 4	2423 6	2459 3	2420 0	2444 0	2 67 5	2425 1	2438 2	2374 6	2352 6	2377 2	2300 4	2294 4	2278 3	2,299 5	2333 8	2247 1	2061 7	2160 9	2142 1	2181 1	2198 9
1993 09	2137 8	2037 8	2201 8	2250 7	2194 0	2176 9	2077 6	2196 5	2207 4	2123 2	2053 7	2069 1	2108 9	2083 7	2025 0	2109 1	2137 5	2142 7	2107 0	2141 4	2208 7	1994 7	2206 2	1,223 9	1733 1	2057 1	2104 6	2070 6	2056 0	2050 4	99999 0M
1993 10 Missing																															
1993 11	678 5	1117 4	1533 9	1453 4	1513 5	1475 0	1396 6	1469 2	1403 3	1244 9	1315 6	1076 2	1423 5	1187 9	642 9	1427 0	1376 7	631 7	1213 1	976 2	740 6	1081 0	1266 7	1 179 6	453 1	780 0	1096 4	1199 9	1079 4	915 4	99999 0M
1993 12	1134 5	1225 2	1261 4	1044 6	1180 1	1077 7	848 7	843 7	898 2	1 88 8	1117 9	1100 6	1068 1	356 0	1214 5	1210 0	1219 6	1015 6	804 1	852 4	962 0	917 6	703 2	1,036 0	901 9	963 1	1027 7	1112 3	791 9	733 3	386 8
1994 01	776 5	71 1	1086 5	211 7	660 4	1189 2	1298 0	1285 8	1309 1	1081 1	1074 1	1173 1	1159 0	[illegible]	[illegible]	[illegible]	1372 7	1194 7	719 8	785 8	1019 0	422 8	943 8	[illegible]	1291 3	[illegible]	780 4	584 0	997 9	1468 8	
1994 02	504 5	872 1	1573 0	1555 3	1504 8	1565 9	1396 2	1576	1585 5	1456 0	1433 4	1223 1	881 1	13[illegible] 0	1688 1	970 5	1318 [illegible]	1787 8	1048 4	1602 9	892 6	1104 2	902 3	510 4	1731 8	1890 6	757 9	1089 7	99999 0M	99999 0M	99999 0M
1994 03	1982 0	1992 3	1966 3	1930 3	1998 7	732 5	1099 3	1976 4	1364 2	1118 2	1404 6	1426 4	426 1	1067 1	1219 6	2145 3	2220 7	1635 6	1969 0	1943 9	1607 6	2123 9	1603 0	1 916 0	2107 1	2069 6	2333 8	1610 8	1967 6	2219 0	2097 5
1994 04	889 9	1720 3	2590 9	2495 3	2284 0	2130 5	1750 4	2502 [illegible]	2560 2	2530 5	2528 3	2[illegible]6 3	2479	2516 5	2539 6	2119 3	2371 1	2515 0	2151 6	2253 7	1937 3	1661 7	2455 5	2 402 2	1981 1	2549 5	2515 1	1945 4	2144 1	2453 3	99999 0M
1994 05	2340 2	2258 2	1652 6	1170 7	378 6	2622 7	2696 9	2622	2206 3	2752 1	2423 8	2823 2	2684 0	28[illegible]0 4	2790 2	2840 9	2780	2831 0	2534 3	2602 7	2748 7	2694 2	2730 7	2 816 6	2874 2	2833 8	2779 6	2787 5	2854 4	2852 5	2796 5
1994 06	2735 3	2515 1	2761 8	2761 0	2746 9	2809 5	2793 4	2690 [illegible]	2675 8	2753 8	2752 6	2775 [illegible]	2852 5	[illegible]	2652 0	[illegible]	2804 6	[illegible]	2604 9	2708 6	2743 7	2786 9	2710 2	2 270 1	2599 1	[illegible]	2817 9	613 7	2698 0	692 9	99999 0M
1994 07	2736 0	2757 0	2765 2	2735 7	2673 7	2711 2	2672 7	2700 5	2673 7	2607 8	2669 6	2560 2	99999 0M	99999 0M	99999 0M	99999 0M	99999 0M	99999 0M	99999 0M	99999 0M	99999 0M	99999 0M	99999 0M	99,999 0M	99999 0M	2795 4	99999 0M	99999 0M	2484 7	2444 6	2474 0

DTE 99999 0M MISSING DATA
0 01 (Trace) (<0 1 mm)

METEOROLOGICAL DEPARTMENT
CLIMATE DIVISION

STATION NAME DEIR ALLA ELEMENT NAME Solar Radiation Daily global Jul /cm 2

DATE Y M	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
96 08	2566 1	2577 6	2579 7	2552 8	2479 9	2449 0	2530 6	2532 8	2552 1	2530 2	2398 8	2437 9	2387 7	[illegible]	2 [illegible] 8	[illegible]	2408 3	2408 1	2354 5	2319 2	2414 1	2401 4	2471 9	2,111 2	2300 8	2340 8	2321 5	2147 2	2235 5	2237 3	2233 8
1996 09	2169 0	2232 9	2173 4	2150 9	2207 2	2182 4	2117 6	2055 0	2114 8	2205 8	2162 5	2097 0	2104 0	2125 6	1982 7	792 [illegible]	2120 6	1777 4	1978 1	1881 5	1945 0	1856 5	2012 7	2 065 3	1962 0	1924 7	1948 8	1982 6	1989 1	1846 8	99999 OM
1996 10	1908 4	1792 8	1924 6	1947 5	1952 6	1855 4	1745 7	1682 8	1611 7	1689 1	1556 4	1739 4	1194 3	900 6	16 2 0	1807 5	18 1 8	1716 0	1776 8	1753 5	1626 5	1469 4	1678 6	1 696 1	1747 2	660 6	1371 1	1348 3	382 7	1147 2	1574 5
996 11	1598 6	1411 5	1460 7	1469 5	1244 2	1266 6	1198 3	1513 0	1462 3	1422 6	1368 5	1470 5	1223 5	1335 4	1066 5	560 5	482 0	544 3	1159 7	596 1	1218 3	1256 8	1222 9	1 231 9	1021 0	949 7	1201 8	1135 9	1227 2	1163 1	99999 OM
996 12	973 3	1200 0	525 6	1087 8	567 4	585 4	1079 8	850 5	387 5	810 5	99999 OM	99999 OM	99999 OM	99999 OM	99999 OM	1375 [illegible]	1128 5	1117 1	1135 3	1140 9	1066 7	811 0	1180 7	1,113 6	1199 7	1223 2	745 6	1123 5	1123 0	1138 0	1123 0
97 01	1231 1	1182 8	1217 5	1717 9	780 8	975 6	464 0	1247 8	1034 9	1130 3	1230 2	1281 3	1224 2	70 0	99999 OM	2[illegible]6 [illegible]	6 [illegible] 6	1364 5	1074 1	972 5	1395 4	256 9	759 6	1 243 0	1152 6	536 0	409 4	311 0	677 3	874 5	1337 4
997 02	1572 2	1457 7	124 7	499 4	1117 6	1650 4	1716 8	1723 [illegible]	1672 9	1466 0	1667 4	1855 8	1708 9	1668 [illegible]	1767 3	1718 8	1777 5	1477 0	1770 7	1465 7	152 8	295 4	529 2	1 039 5	446 0	790 9	1461 2	1760 9	99999 OM	99999 OM	99999 OM
997 03	1756 6	1594 3	382 9	795 1	1393 1	999 7	1791 6	1357	2068 5	2106 0	1188 1	1912 5	1748 6	1583 2	363 7	878 8	568 7	772 [illegible]	1782 7	2023 4	1820 5	615 8	354 7	1 689 4	1968 1	2257 0	2358 8	2131 5	2385 2	2377 8	1873 [illegible]
1997 04	1771 6	1960 8	2354 3	2241 8	1679 4	1501 7	566 2	1492 [illegible]	1169 4	911 9	2544 7	2463 6	1880 9	1582 5	1765 8	2602 8	2646 8	2666 7	2493 1	2125 3	2595 6	2389 6	2514 4	2 176 5	1971 0	2023 5	1953 8	2103 1	1353 0	2629 4	99999 OM
1997 05	2678 1	2209 3	2433 9	1295 7	2378 2	2751 1	2682 1	2764 2	2829 1	2836 1	2780 [illegible]	2559 3	2621 3	2751 2	2671 7	2677 0	2870 2	2830 6	2471 9	2736 5	2882 2	2704 9	2746 4	2 838 2	2837 1	2870 6	2855 2	2811 5	2869 0	2845 5	2659 1
1997 06	2884 1	2890 [illegible]	2833 3	2814 7	2787 0	2815 6	2862 6	2646 8	2850 5	2668 1	2529 5	2258 0	2535 8	2797 7	2793 [illegible]	2720 7	2785 [illegible]	2871 6	2806 4	2732 4	2785 6	2819 5	2767 5	2 790 0	2757 2	2648 7	2332 4	2744 3	2717 5	2780 9	99999 OM
997 07	2978 2	2701 5	2691 4	2692 8	2791 9	2725 6	2676 3	2798 3	2701 5	2697	2147 9	2139 2	2654 8	2717 0	2688 3	2676 3	2595 0	2713 1	2725 2	2710 1	2722 0	2743 9	2776 7	1 695 1	2639 1	2734 4	2686 5	2705 3	2647 1	2614 7	2659 0

NOTE 99999 OM MISSING DATA
0 OT (Trace) (<0 1 mm)

8

METEOROLOGICAL DEPARTMENT
CLIMATE DIVISION

STATION NAME DEIR ALLA ELEMENT NAME Temperature daily maximum

DATE Y M	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
1993 08	38 6	38 4	38 6	40 4	41 2	38 7	38 4	39 0	38 6	37 2	38 0	36 8	36 6	38 0	40 2	39 6	39 0	40 3	39 6	40 0	37 6	38 2	38 9	38 4	37 2	37 0	38 2	40 3	43 6	46 0	43 0
1993 09	40 6	36 2	35 8	35 8	34 5	34 4	35 5	35 4	36 3	37 4	37 4	36 8	36 6	38 [illegible]	40 5	40 0	39 0	40 [illegible]	38 9	38 0	36 5	35 8	33 9	32 5	34 6	35 2	[illegible]	34 8	34 8	99999 0M	35 6
1993 10	34 8	32 8	32 6	33 7	33 4	31 [illegible]	31 8	33 2	34 6	34 8	35 7	35 3	36 6	[illegible]	38 0	39	37 0	3 2	38 2	38 0	35 5	34 0	35 2	34 8	36 4	34 6	34 3	31 5	31 4	35 4	32 0
1993 11	25 4	26 0	27 5	29 6	32 0	33 2	33 1	32 6	30 2	30 4	29 0	24 8	21 5	19 6	22 0	19 0	25 6	21 6	27 6	27 3	27 4	27 8	22 0	26 7	24 4	23 8	21 2	21 2	21 2	22 8	99999 0M
1993 12	26 5	25 3	24 7	23 2	24 4	23 7	22 0	22 6	22 5	24 4	24 0	27 0	23 2	17 2	20 0	22 8	22 0	21 5	21 0	24 0	23 2	24 6	21 7	21 8	23 8	23 7	24 0	23 6	24 6	23 6	25 8
1994 01	25 2	19 0	21 2	17 6	19 2	18 5	22 3	23 0	23 0	22 2	23 0	22 5	23 0	21 6	18 2	15 7	20 8	21 0	24 0	21 2	17 5	20 8	19 8	15 6	16 6	17 5	22 0	21 0	21 0	22 4	18 8
1994 02	16 2	18 0	19 4	20 3	20 8	20 0	22 0	21 2	21 2	23 2	20 8	20 8	20 4	21 2	22 0	18 6	19 2	20 6	26 0	24 6	20 5	19 8	18 2	18 0	21 0	23 1	16 2	20 5	99999 0M	99999 0M	99999 0M
1994 03	22 [illegible]	24 0	23 5	22 8	23 5	20 0	18 7	20 0	20 0	19 8	19 0	19 [illegible]	16 0	1[illegible]	20 [illegible]	[illegible]	6 5	25 6	28 5	26 4	23 8	24 0	22 7	23 5	26 0	26 2	28 0	27 0	29 8	29 6	25 0
1994 04	19 0	24 5	26 2	33 3	37 4	31 0	26 4	26 5	27 2	30 5	33 8	35 3	37 1	38 0	34 0	33 8	38 2	35 6	40 8	39 5	31 0	40 0	27 0	27 5	27 0	28 8	31 5	37 3	31 6	31 0	99999 0M
1994 05	28 8	28 3	36 0	28 2	29 0	29 9	33 0	35 7	29 6	32 2	39 0	30 2	30 2	31 2	31 8	35 5	40 0	39 7	38 8	40 0	38 8	36 2	37 2	39 8	41 2	42 2	41 0	39 5	39 3	37 6	36 6
1994 06	36 7	33 4	33 3	34 2	36 0	38 8	40 7	35 9	32 8	33 7	34 0	35 0	36 2	3[illegible] 2	41 6	37 1	3[illegible] 8	3[illegible] 6	37 0	37 8	38 5	39 2	37 8	34 4	36 6	38 0	36 2	35 5	37 0	40 7	99999 0M
1994 07	[illegible]0 5	39 5	39 [illegible]	39 2	38 2	39 5	39 3	[illegible]0 [illegible]	[illegible]0 0	[illegible] 9 5	38 1	37 [illegible]	35 0	35 5	36 [illegible]	35 [illegible]	37 2	36 4	36 8	38 0	38 4	39 8	39 5	40 8	40 0	40 8	37 0	37 3	36 7	35 5	37 0

NOTE 99999 0M MISSING DATA
0 0T (Trace) (<0 1 mm)

METEOROLOGICAL DEPARTMENT
CLIMATE DIVISION

STATION NAME DEIR ALLA ELEMENT NAME Temperature daily minimum

DATE Y M	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
1993 08	23 0	25 7	24 2	23 7	23 2	23 0	23 2	27 2	24 5	23 2	23 8	22 8	24	23 5	26 0	25 0	25 3	25 5	25 3	25 8	25 0	24 7	25 6	25 0	23 9	23 0	25 4	25 4	26 0	26 2	26 4
1993 09	25 8	24 0	23 5	23 8	21 8	22 6	23 5	22	21 0	21 5	22 6	22 8	23 2	23 0	23 3	24 5	25	24 3	24 2	24 0	23 0	23 5	22 2	21 0	22 0	21 5	21 5	21 6	22 0	21 3	99999 OM
1993 10	22 2	21 0	20 8	20 4	22 0	21 5	19 4	20 6	22 0	22 4	22 0	22 0	22	23 5	28 4	27 8	25 4	21	26 4	27 8	28 8	24 5	23 5	22 0	24 0	27 2	23 6	21 0	22 4	23 4	22 6
1993 11	20 0	18 0	17 6	18 4	22 6	22 4	25 0	23	18 8	19 2	20 0	15 6	12 8	11 0	11 6	9 0	11 8	11 8	15 4	17 5	22 0	19 0	18 5	17 6	16 6	16 2	15 3	10 1	11 3	16 4	99999 OM
1993 12	16	15 0	14 6	12 0	14 0	14 0	12 2	12	15 0	14 4	12 5	15 0	17 8	12 3	10 8	13 0	12 2	13	14 8	14 6	14 8	17 0	14 2	13 5	14 2	16 6	17 0	15 2	16 9	16 0	17 7
1994 01	15 6	15 6	14 3	12 5	12 5	11 2	14 5	14 0	16 0	15 7	15 4	13 3	16 8	14 5	13	11 7	12 0	14	16 0	12 4	11 6	12 6	12 2	12 6	11 5	11 0	11 9	15 0	12 8	12 0	11 0
1994 02	9 5	10 2	10 5	11 0	9 2	9 4	15 5	12 5	11 5	12 0	11 2	13 5	14	12 4	11 4	11 5	10 0	8 4	15 2	15 0	12 0	12 5	11 8	11 8	11 0	12 6	11 8	12 4	99999 OM	99999 OM	99999 OM
1994 03	11 6	10 6	10 2	10 4	11 1	11 4	10 8	11 0	9 0	11 3	10 2	12 2	11 7	11 2	11 4	12 0	11 0	13	15 0	15 2	14 8	12 5	11 7	12 4	12 8	14 8	12 3	13 6	18 0	19 0	14 3
1994 04	13 2	13 9	13 0	14 6	23 7	18 6	15 8	13 0	13 0	12 0	15 8	19 6	22 5	2 0	20 1	17 5	16 2	16 8	20 4	23 0	27 0	25 2	23 0	15 6	17 0	15 6	16 2	19 6	19 5	17 6	99999 OM
1994 05	16 7	16 2	19 0	17 8	16 7	15 5	15 0	17 6	17 2	16 5	19 0	21 8	18 0	17 5	16 8	18 2	19 2	22	23 0	22 5	22 4	21 8	20 6	21 6	21 4	22 0	23 6	22 5	22 0	21 3	21 0
1994 06	20 6	21 0	21 7	21 4	21 2	21 4	21 3	22 6	21 6	20	22 0	20 6	21 2	20 4	22 5	21	21 3	21	22 0	22 8	22 0	21 5	22 6	23 6	24 2	21 8	23 0	21 5	21 4	22	99999 OM
1994 07	23 5	22 5	24 2	24 0	23 0	23 4	24 8	23 5	21 4	21 3	24 0	24 0	21 0	21 0	23	21 2	23 6	23	23	24 1	23 5	23 7	24 8	23 7	23 0	21 3	25 6	24 2	2	25 0	25 8

OTL 99999 OM MISSING DATA
0 0T (Trace) (<0 1 mm)

METEOROLOGICAL DEPARTMENT
CLIMATE DIVISION

STATION NAME DEIR ALLA

ELEMENT NAME Evaporation pan, daily total

DATE Y M	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
1993 08	9 4	8 0	8 7	9 8	11 5	9 4	9 6	0 0	9 6	8 4	8 0	10 0	7 6	7 4	8 0	9 7	11 7	9 8	11 0	7 6	10 2	7 4	8 0	10 0	9 9	6 7	9 5	8 5	9 4	10 3	9 0
1993 09	10 0	6 9	12 5	8 2	6 5	9 7	6 4	7 0	8 [illegible]	8 9	8 5	9 5	7 3	8 7	10 0	8 9	7 6	10 0	8 3	7 2	5 3	8 1	11 2	6 1	6 0	3 6	6 8	5 0	6 4	7 7	99999 OM
1993 10	8 5	6 7	7 5	6 4	5 8	6 0	6 7	5 5	9 [illegible]	7 0	6 0	5 9	9 0	12 2	12 0	15 0	17 [illegible]	10 4	11 5	14 6	10 0	9 4	7 2	9 0	11 3	10 4	7 0	8 6	5 6	6 6	5 2
1993 11	3 0	4 0	6 1	7 7	8 4	10 6	10 0	4 5	4 0	[illegible]	5 5	3 [illegible]	7 6	[illegible]	[illegible]	[illegible]	4 0	7 1	5 8	7 0	9 4	7 2	5 3	3 2	1 7	2 8	4 0	2 4	7 2	11 4	99999 OM
1993 12	3 6	3 6	2 0	5 9	3 4	2 5	3 0	5 6	3 5	2 5	5 5	8 7	7 0	1 0	2 5	7 6	3 [illegible]	3 9	4 4	5 7	3 8	4 0	1 6	2 8	6 8	3 6	2 8	4 2	3 5	3 0	3 0
1994 01	5 4	4 5	6 5	1 1	1 1	4 0	5 9	7 9	10 1	6 4	2 0	8 6	8 2	1 1	1 0	0 5	2 6	5 4	3 5	3 8	2 3	1 3	0 9	1 6	2 3	2 4	5 5	3 5	2 0	3 0	4 0
1994 02	0 8	2 0	2 8	2 3	3 6	5 5	5 4	3 0	6 4	2 6	3 1	7 0	2 6	3 1	1 9	2 9	2 7	7 0	11 0	5 0	1 8	2 4	1 2	1 2	1 1	6 2	1 7	1 3	99999 OM	99999 OM	99999 OM
1994 03	3 9	2 7	4 6	3 9	2 5	1 2	2 6	2 5	3 7	3 4	2 6	1 7	4 2	2 0	1 7	0	5	7 0	2 2	7 5	3 8	4 2	3 8	3 7	3 3	4 3	5 3	6 4	5 2	6 5	5
1994 04	2 8	7 0	6 0	13 0	18 4	7 2	3 4	5	7 2	7 0	10 0	9 5	10 0	11 0	11 0	6 9	9 1	8 7	8 3	16 9	11 1	13 9	6 0	4 5	4 3	[illegible]	6 0	9 0	8 4	7 6	99999 OM
1994 05	6 8	8 2	7 2	5 9	6 9	6 9	7 3	6 3	8 5	6 0	9 8	6 6	8 2	8 3	6 [illegible]	9 0	99999 OM	99999 OM	99999 OM	9 7	8 3	10 7	10 3	11 5	10 3	8 0	11 0	10 5	10 2		
1994 06	10 1	9 3	7 4	7 8	7 0	11 0	11 2	11 8	8 2	9 0	9 0	7 5	8 7	9 0	9 6	9 0	9 7	8 0	9 2	7 2	7 4	8 4	9 5	10 9	8 6	11 0	10 6	10 2	6 0	9 2	99999 OM
1994 07	8 5	8 1	8 9	12 0	11 0	8 8	9 0	12 0	10 0	10 0	9 0	9 5	10 7	8 2	8 2	10 0	7 9	10 2	6 2	8 9	8 5	10 7	9 5	10 0	11 5	9 8	8 8	10 1	10 4	9 7	12 0

99999 OM MISSING DATA
0 01 (Trace) (<0 1 mm)

BEST AVAILABLE COPY

METEOROLOGICAL DEPARTMENT
CLIMATE DIVISION

STATION NAME DEIR ALLA ELEMENT NAME Sunshine Daily total amount

DATE Y M	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
1993 08	12 0	12 0	12 0	12 5	12 9	12 9	13 1	12 0	12 1	12 3	11 8	12 1	10 7	11 0	11 3	11 8	11 8	11 5	11 3	11 5	11 3	12 0	11 6	11 8	12 8	11 8	9 7	11 1	10 5	11 3	11 0
1993 09	10 8	10 0	10 7	12 3	11 5	11 0	12 3	12 3	12 3	12 0	12 0	11 0	11 8	11 3	11 7	11 5	11 6	11 7	11 4	11 7	12 0	11 0	10 5	5 6	11 0	11 4	10 4	11 9	11 3	11 5	99999 OM
1993 10	10 6	11 5	11 5	10 5	9 4	8 6	10 8	10 6	9 4	10 7	8 4	8 5	9 2	10 2	9 6	7 7	3 6	1	9 5	9 1	6 3	10 1	9 7	9 4	8 7	7 3	5 2	9 3	7 9	8 4	6 6
1993 11	2 7	6 6	9 6	8 8	9 6	9 4	9 4	9 4	9 0	6 2	8 0	7 0	9 5	6 2	4 0	9 6	9 2	3 5	8 3	3 2	1 6	5 6	8 6	8 9	1 7	4 1	7 3	8 6	6 1	4 9	99999 OM
1993 12	3 1	9 0	9 1	6 9	8 7	6 6	4 5	5 0	3 8	8 8	8 6	8 6	7 5	1 7	9 0	9 2	8 0	7 7	2 6	4 2	7 0	5 1	4 3	7 8	5 5	5 7	7 9	8 0	2 4	2 2	0 0
1994 01	5 2	1 1	7 6	0 5	4 3	7 9	9 0	9	9 0	4 8	7 6	7 2	7 7	1 9	1 0	0 3	9 3	8 5	9 2	7 3	0 0	4 6	5 5	0 1	4 3	2 6	6 8	2 4	4 6	9 1	4 2
1994 02	1 0	4 0	9 3	9 3	9 7	9 7	7 5	7	9 0	8 5	5 5	7 8	2 9	4 5	10 2	6 0	9 1	10 7	10 4	10 1	4 0	5 3	1 1	0 3	9 7	10 5	1 1	5 3	99999 OM	99999 OM	99999 OM
1994 03	11 5	10 2	10 4	9 7	10 0	2 6	4 3	9 0	5 6	1 2	5 3	7 6	0 2	2 4	4 1	10	10 8	9 3	6 4	8 8	6 2	10 2	6 2	7 7	8 8	8 9	10 8	5 2	8 4	10 2	8 5
1994 04	2 3	7 8	11 1	10 4	9 8	7 8	0 1	11 3	11 4	11 4	11 3	11 0	11 1	11 4	11 2	6 7	2 2	10 7	7 0	8 1	5 5	3 5	10 5	11 3	7 2	11 0	10 2	6 6	9 1	11 0	99999 OM
1994 05	11 7	6 6	4 0	4 5	10 1	11 4	11 8	12 0	10 0	9 7	7 5	11 7	11 2	11 8	12 3	12 2	11 8	10 2	10 2	10 4	11 7	11 2	11 7	11 9	12 4	12 0	11 9	12 4	12 0	12 9	12 7
1994 06	12 6	12 3	11 5	12 7	12 4	12 1	12 0	11 9	11 3	12 7	11 2	12 7	12 8	12 7	11 7	11 3	12 8	11 4	12 5	12 7	12 8	12 7	12 5	10 3	11 2	12 8	12 9	12 6	12 8	12 8	99999 OM
0	1 9	13 0	12 9	12 8	12 6	12 7	12 7	12 7	12 4	12 2	12 8	11 8	12 0	12 3	12	8 8	10 8	11 3	11 9	12 3	12 2	12 7	11 7	12 5	12 4	12 1	11 7	11 8	11 6	11 2	10 6

OTT 99999 OM MISSING DATA
0 OT (Trace) (<0 1 mm)

BEST AVAILABLE COPY

12

METEOROLOGICAL DEPARTMENT
CLIMATE DIVISION

STATION NAME DEIR ALLA

ELEMENT NAME Wind run daily total

DATE YR MO	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
993 08	89 0	69 5	57 8	65 9	97 3	65 9	75 3	81 9	82 2	61 0	71 2	96 0	68 7	87 6	92 8	69 6	16 6	96 4	133 9	102 7	89 2	93 3	86 4	75 0	82 8	74 2	88 8	94 3	105 2	87 8	80 5
93 09	86 1	62 8	85 1	92 3	58 3	63 2	97 0	71 6	84 1	78 0	75 6	74 3	66 8	91 6	103 9	55 4	62 9	80 7	68 1	70 9	62 5	101 7	95 5	54 7	63 6	69 2	84 6	84 1	61 3	76 8	99999 OM
993 10	42 2	56 0	77 9	51 9	48 5	91 5	90 6	50 9	81 7	80 4	50 8	40 7	96 0	140 6	326 9	229 7	307 0	156 4	194 8	189 8	269 9	147 8	80 2	132 3	166 8	131 5	81 4	119 7	121 5	125 8	117 1
93 11	62 9	77 5	130 8	230 0	209 7	246 7	250 5	80 9	52 9	148 2	183 1	200 0	70 0	256 0	122 8	297 2	140 3	81 6	215 2	356 7	264 4	159 3	98 8	101 6	93 2	57 3	107 4	117 6	334 1	355 7	99999 OM
93 12	63 8	151 1	127 5	138 1	123 4	53 0	51 7	72 7	124 5	151 7	245 1	255 8	200 0	80 9	135 3	[illegible] 3	117 4	111 8	269 0	273 1	142 0	122 2	67 1	113 9	235 1	227 7	167 9	162 3	124 5	140 8	168 3
94 01	83 1	133 4	265 5	86 7	140 3	205 4	252 9	186 3	391 1	353 0	107 3	287 4	449 8	85 7	109 7	86 8	111 9	155 0	93 3	86 1	47 8	53 9	66 6	85 7	104 8	119 0	270 7	161 9	120 0	129 6	194 5
994 02	80 6	91 1	126 0	90 4	106 1	243 6	110 1	190 9	127 5	68 1	128 1	97 3	138 7	103 4	7 1	71 6	105 8	258 3	322 7	117 6	43 9	88 4	58 8	53 7	101 0	91 4	59 2	113 6	99999 OM	99999 OM	99999 OM
4 03	73 8	80 4	101 2	133 3	65 3	174 2	112 4	82 3	88 4	35 8	57 3	252 1	55 7	85 1	109 6	118 8	116 3	72 4	133 5	121 6	67 0	88 5	51 9	87 0	85 1	66 6	150 8	151 0	143 0	116 0	50 9
94 07	142 4	141 9	151 3	228 1	273 3	137 0	97 3	99 1	122 6	128 4	152 0	193 7	145 7	154 0	165 5	140 2	111 1	112 9	62 2	130 5	109 3	141 2	110 6	83 4	71 9	112 5	122 0	80 2	145 0	133 2	99999 OM
94 05	96 5	113 3	149 0	109 9	108 7	138 7	207 3	124 2	111 6	75 2	116 9	151 1	127 1	114 8	125 7	178 1	1 8 5	171 0	119 9	121 3	152 5	120 0	167 7	164 3	156 9	146 8	144 8	97 7	123 6	120 5	148 1
94 06	111 8	135 4	105 5	106 0	115 6	119 9	157 4	169 5	115 7	129 7	108 9	111 1	94 5	105 6	123 7	150 5	139 2	101 0	135 8	106 5	110 1	102 4	142 9	231 2	107 6	97 3	153 5	108 5	92 6	120 4	99999 OM
94 07	122 2	100 0	125 4	125 4	109 8	125 6	133 3	145 7	134 0	101 3	119 9	128 8	168 [illegible]	161 8	156 9	142 7	151	108 8	122 7	111 2	103 9	105 3	125 1	105 9	110 3	116 4	139 2	119 5	144 2	144 3	170 1

NOTE 99999 OM MISSING DATA
0 0T (Trace) (<0 1 mm)

BEST AVAILABLE COPY

METEOROLOGICAL DEPARTMENT
CLIMATE DIVISION

TATION NAME DEIR ALLA

ELEMENT NAME Precipitation daily total "mm"

DATE Y M	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
1993 08	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
1993 09	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	99999 0M
1993 10	0 0	0 0	0 0	0 0	4 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 7	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 5	0 0	0 0	0 0	1 9
1993 11	0 0	0 4	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	2 6	0 0	0 0	0 3	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 2	0 2	0 0	0 0	0 0	0 0	99999 0M
1993 12	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 1	0 0	0 0	0 0	0 0	5 8	0 6	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0T	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
1 4 01	4 9	0 0	2 0	29 1	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 7	5 0	0 1	0 0	0 0	0 0	0 0	0 0	14 7	7 3	5 7	0 6	0 0	0 0	1 4	0 0	0 0	13 2
04 02	2 2	2 8	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	8 9	1 2	0 0T	0 0	0 8	1 0	0 0	0 0	0 0	0 0	0 0	6 9	1 6	1 9	0 0	8 6	6 0	0 2	99999 0M	99999 0M	99999 0M
03	0 0	0 0	0 0	6 1	1 6	0 0T	0 0	0 0	1 6	7 3	1 0	0 0	2 8	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	1 0	0 0	0 0	0 0	0 2	0 0	2 7
04	1 8	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	99999 0M
05	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
06	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	99999 0M
07	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0

99999 0M MISSING DATA

BEST AVAILABLE COPY

METEOROLOGICAL DEPARTMENT
CLIMATE DIVISION

STATION NAME DEIR ALLA ELEMENT NAME Temperature daily maximum

DATE Y M	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
1996 08	41 2	42 5	40 0	37 0	39 4	39 2	39 6	40 4	42 0	40 0	40 0	39 5	40 0	39 4	39 6	40 0	40 5	41 7	39 2	36 6	37 5	37 1	39 0	39 0	39 2	38 0	37 7	38 6	39 6	39 6	38 8
1996 09	38 0	38 0	37 1	38 0	40 2	42 6	38 3	36 0	36 4	35 8	36 9	36 2	37 7	39 3	39 6	36 0	37 8	37 5	35 4	36 7	36 6	35 0	35 2	40 2	42 7	36 8	36 5	34 4	37 0	35 8	99999 OM
1996 10	35 6	39 5	35 2	34 5	35 5	34 2	33 2	32 8	32 2	34 6	34 4	33 2	28 5	28 3	29 5	30 4	30 6	31 2	36 8	36 0	34 4	31 6	30 4	30 6	31 0	25 8	26 8	26 8	19 0	23 8	26 2
1996 11	28 3	26 6	27 9	32 0	28 2	25 6	25 4	26 5	28 6	31 0	32 0	30 5	29 6	29 4	28 4	28 2	27 4	22 5	27 2	25 2	27 2	27 6	27 2	29 6	27 2	27 5	25 5	26 6	26 0	28 2	99999 OM
1996 12	27 7	26 2	27 0	24 5	22 6	20 6	23 9	22 8	18 5	21 0	21 2	23 4	18 0	19 9	20 6	18 6	21 5	22 6	21 2	22 3	21 8	19 6	22 6	23 3	23 0	22 6	23 5	25 0	20 2	23 0	22 0
1997 01	22 2	22 5	24 0	23 4	22 0	21 7	20 2	22 2	23 5	23 0	26 6	26 0	26 6	24 3	17 2	12 3	15 8	18 3	19 8	19 8	18 8	16 8	16 5	19 4	17 5	17 8	15 0	15 3	17 4	18 4	16 0
1997 02	15 0	15 5	13 4	15 0	12 6	13 8	16 7	17 0	18 0	17 2	18 5	18 8	21 0	21 2	20 6	23 2	25 6	23 0	23 5	22 0	17 9	15 2	15 6	17 1	14 6	16 0	19 7	21 0	99999 OM	99999 OM	99999 OM
1997 03	22 4	23 6	16 6	18 2	20 5	20 5	17 7	19 0	20 0	21 5	21 5	21 0	2[illegible]	20 3	14 6	15 4	16 3	17 6	19 0	19 6	26 0	18 8	16 0	18 4	18 5	20 0	23 8	21 4	22 6	25 4	25 8
1997 04	27 5	30 5	24 5	24 2	23 0	24 5	18 5	24 5	19 0	15 2	18 0	23 5	30 0	27 5	23 3	27 4	23 3	21 0	27 6	31 8	34 6	35 0	40 5	40 4	32 2	27 5	24 8	25 0	25 7	28 5	99999 OM
97 05	33 1	35 0	23 0	23 5	27 0	31 4	33 6	37 0	39 6	39 8	39 2	44 0	38 0	39 0	38 7	38 5	35 6	36 2	40 0	33 0	33 6	35 0	37 2	37 0	36 6	35 5	35 6	36 0	36 9	34 4	35 0
97 06	33 2	33 4	34 0	36 3	38 5	36 0	37 3	41 7	36 5	33 5	34 4	34 2	34 5	35 0	35 6	37 5	39 6	38 6	39 1	40 2	42 4	42 5	39 7	39 5	40 4	36 5	35 9	37 0	38 0	40 0	99999 OM
97 07	40 7	39 5	39 6	40 2	40 8	40 2	41 3	40 9	38 0	36 6	37 2	38 4	40 2	39 6	37 0	36 5	37 0	37 6	39 5	39 8	39 8	39 2	39 5	37 2	39 2	40 4	41 4	38 6	38 3	37 4	37 2

99999 OM MISSING DATA
0 01 (Trace) (<0 1 mm)

BEST AVAILABLE COPY

METEOROLOGICAL DEPARTMENT
CLIMATE DIVISION

STATION NAME DEIR ALLA ELEMENT NAME Temperature daily minimum

DATE Y M	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
1996 08	25 [illegible]	25 0	24 0	25 2	24 0	24 0	26 4	25 4	24 0	24 6	25 0	26 0	27 0	26 1	26 0	26 4	25 6	25 6	26 5	24 2	23 6	24 0	23 4	22 4	25 0	25 3	24 0	25 0	25 5	24 5	24 4
1996 09	24 8	24 5	24 6	24 4	26 4	25 5	26 9	24 5	24 [illegible]	22 4	21 8	22 4	23 0	23 8	[illegible]	[illegible]	[illegible]	21 8	[illegible]	22 3	26 4	23 4	23 0	23 8	26 6	25 7	22 2	21 0	23 0	23 0	99999 OM
1996 10	22 4	22 5	22 0	21 6	21 1	21 5	21 6	20 9	20 [illegible]	22 2	23 4	22 5	22 4	19 8	19 2	18 [illegible]	21 0	2 9	25 8	24 0	20 5	22 0	20 7	19 5	19 0	16 8	15 8	17 0	15 0	14 4	15 5
1996 11	17 2	16 6	16 5	19 0	17 4	16 0	16 0	16 2	18 0	21 0	20 8	21 4	19 0	19 8	16 0	14 6	20 5	18 0	17 0	20 9	19 5	18 6	18 0	20 4	21 9	22 3	20 0	19 4	17 5	19 3	99999 OM
1996 12	19 2	13 4	19 0	15 7	15 3	15 6	15 6	14 8	14 5	14 0	12 2	15 [illegible]	13 [illegible]	[illegible] 6	12 [illegible]	3 5	13 2	15 0	17 8	14 2	14 0	14 4	14 0	14 8	12 9	12 9	13 4	11 4	15 0	13 0	15 2
1997 01	13 0	13 0	12 9	11 9	10 3	9 6	12 [illegible]	12 [illegible]	10 4	12 [illegible]	15 0	12 0	17 0	17 0	1 0	[illegible]	[illegible]	[illegible]	10 [illegible]	11 [illegible]	11 0	11 4	10 5	9 4	11 3	11 0	11 5	10 5	11 0	9 8	8 0
1997 02	[illegible] 8	6 5	10 0	7 2	4 9	4 2	8 2	6	5 [illegible]	7 3	8 5	9 0	10 0	11 0	11 0	10 6	14 4	11 8	12 2	11 4	11 0	9 2	9 0	8 5	6 5	7 4	9 2	12 4	99999 OM	99999 OM	99999 OM
1997 03	13 5	14 3	12 2	12 0	12 0	10 8	9 8	7 [illegible]	7 1	10 4	12 2	12 6	12 0	12 7	12 0	10 2	9 8	10 5	12 4	7 4	14 0	12 0	9 5	9 0	9 8	9 2	10 0	9 3	11 0	10 2	11 0
1997 04	15 5	18 5	12 6	10 7	11 5	13 6	13 [illegible]	12 [illegible]	9 0	7 0	6 2	7 0	17 [illegible]	17 2	1[illegible] 2	1[illegible] 0	10 [illegible]	10 6	12 [illegible]	14 0	18 0	16 5	20 8	24 1	20 2	16 5	14 4	13 5	13 2	14 5	99999 OM
[illegible] 05	17 [illegible]	16 0	17 0	15 2	15 2	15 4	16 6	17 0	19 2	20 0	19 0	22 0	21 8	20 8	20 5	23 [illegible]	18 8	17 1	22 8	19 2	19 0	19 2	19 6	20 2	20 0	20 0	20 0	20 0	19 0	20 0	20 5
[illegible] 06	19 0	17 7	19 0	20 0	21 5	21 2	21 0	22 0	24 0	20 0	20 6	21 4	22 1	22 0	21 [illegible]	22 0	[illegible]	22 6	23 2	22 5	23 8	25 4	24 3	22 6	23 2	24 0	24 4	23 0	23 0	23 8	99999 OM
[illegible] 07	[illegible]	23 6	23 0	25 6	24 8	24 6	25 6	24 4	24 [illegible]	23 6	23 5	23 4	23 8	22 [illegible]	24 [illegible]	24 0	23 6	23 0	25 0	24 8	24 4	25 1	25 0	24 6	24 0	23 6	24 6	26 5	24 9	24 2	24 [illegible]

[illegible] 99999 OM MISSING DATA
0 0T (Trace) (<0 1 mm)

BEST AVAILABLE COPY

METEOROLOGICAL DEPARTMENT
CLIMATE DIVISION

STATION NAME DEIR ALLA ELEMENT NAME Wind run daily total

DATE Y M	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
1996 08	137 7	127 2	104 6	170 6	134 8	138 8	140 2	108 2	107 6	141 2	134 1	157 2	164 9	138 3	158 3	126 9	131 4	144 9	139 9	136 9	195 0	149 2	114 5	127 8	134 5	126 6	109 1	124 6	125 6	135 3	133 4
1996 09	124 6	106 6	117 2	109 8	135 0	153 1	123 8	171 9	123 6	125 3	141 3	130 3	130 6	122 0	97 0	107 0	113 2	122 4	86 5	112 5	175 8	175 4	107 5	148 8	136 6	137 6	155 5	127 7	144 8	152 3	99999 OM
996 10	174 4	134 8	178 5	140 2	114 7	106 2	92 4	92 1	112 0	173 1	169 1	109 8	108 4	99 2	10[illegible] 8	181 3	272 8	286 0	229 0	148 2	103 2	214 7	169 0	126 7	219 4	140 5	201 1	120 9	81 9	149 6	199 3
1996 11	80 7	142 4	167 6	141 0	131 9	99 2	167 9	189	215 4	271 3	369 9	395 7	316 4	314 3	176 8	317 6	117 7	278 2	297 2	252 5	171 8	163 4	255 6	285 3	303 4	229 9	280 0	135 9	172 8	251 1	99999 OM
1996 12	198 8	229 2	172 4	89 3	157 6	97 6	117 6	110 [illegible]	80 7	141 6	160 9	89 9	84 8	169 8	152 1	106 0	231 3	319 3	246 2	140 7	106 8	86 0	145 9	87 0	124 3	114 2	70 9	319 9	9 2	205 3	166 0
997 01	123 2	[illegible] 2	165 9	103 8	61 9	61 4	127 2	88 [illegible]	102 3	192 3	260 7	399 9	321 7	[illegible] 9	7[illegible] 0	[illegible]	10[illegible] 8	16[illegible] 6	253 8	158 9	72 0	78 4	66 2	123 7	88 8	112 4	212 0	243 3	143 8	88 9	173 [illegible]
997 02	127 5	109 0	77 8	73 9	82 7	192 5	229 9	198 0	150 9	12[illegible] 8	137 5	143 8	144 8	139 9	176 8	19[illegible] 3	165 [illegible]	15[illegible] [illegible]	101 2	135 8	183 7	187 1	117 0	104 0	79 0	66 5	139 5	137 8	99999 OM	99999 OM
[illegible] 97 03	168 8	75 1	63 6	51 3	75 9	132 5	232 6	171 5	122 0	137 9	164 4	135 9	87 7	[illegible] 9	63 7	102 8	64 1	100 2	182 7	169 5	141 8	110 7	52 7	98 8	132 6	110 7	85 5	88 8	124 3	121 5	91 3
[illegible] 04	141 5	133 9	118 0	93 8	177 4	150 1	80 9	205 6	149 8	136 8	153 0	120 3	109 8	108 [illegible]	147 [illegible]	12[illegible] [illegible]	107 7	17[illegible] [illegible]	21[illegible] 5	75 3	134 1	137 5	152 4	115 6	177 5	133 6	134 5	115 3	141 7	141 2	99999 OM
7 0[illegible]	13[illegible] 3	130 8	135 6	89 6	103 2	118 9	173 1	14[illegible] 9	147 9	1[illegible]6 0	179 [illegible]	170 1	169 8	191 7	18[illegible] 2	1[illegible] [illegible]	126 1	1 3 [illegible]	1[illegible]2 8	14[illegible] [illegible]	12[illegible] 6	130 1	130 7	139 3	128 3	153 7	167 9	146 0	150 3	131 3	165 2
[illegible] 06	136 3	106 3	131 8	139 1	127 2	121 3	140 9	113 0	16[illegible] 9	14[illegible] [illegible]	147 3	118 1	1[illegible]2 9	1 0 1	10[illegible]	10[illegible]	1 [illegible]	16[illegible] [illegible]	107 5	115 3	1[illegible]6 2	143 7	133 1	123 7	133 5	143 0	130 2	119 2	119 8	126 2	99999 OM
[illegible] 07	116 1	129 4	111 3	12[illegible] 6	110 6	125 4	113 1	110 1	126 4	1 3 2	13[illegible] 6	119 [illegible]	103 9	131 1	136 [illegible]	131 9	13[illegible] 1	119 3	118 1	104 1	110 7	1[illegible]6 3	150 2	120 7	113 2	110 0	116 1	140 8	134 5	117 9	117 0

[illegible] L 99999 OM MISSING DATA
0 0T (Trace) (<0 1 mm)

BEST AVAILABLE COPY

METEOROLOGICAL DEPARTMENT
CLIMATE DIVISION

/TION NAME DEIR ALLA ELEMENT NAME Sunshine Daily total amount

TE / M	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
996 08	12 4	12 3	12 1	11 8	11 2	11 8	11 6	12 4	12 0	12 4	11 4	11 2	11 5	10 6	11 7	11 6	11 6	12 0	11 3	11 6	12 0	11 9	11 8	11 6	11 4	11 5	11 3	8 8	10 6	11 8	11 4
996 09	11 0	11 6	10 9	10 9	10 8	10 6	10 8	10 8	11 2	11 1	10 9	10 8	10 8	10 8	10 0	10 0	11 2	11 1	10 4	9 2	10 4	9 5	10 2	10 4	10 0	10 0	10 1	10 4	10 2	10 3	99999 0M
96 10	10 2	9 5	10 5	10 5	10 7	10 7	9 3	9 6	8 0	9 3	9 1	9 7	5 6	7 0	8 7	11 7	11 7	10 1	10 2	10 2	9 8	8 4	9 8	10 1	9 6	3 2	8 6	6 3	0 1	5 3	10 0
996 11	9 8	8 0	9 6	9 6	6 9	7 7	7 1	9 8	9 6	9 4	8 9	8 6	9 4	8 6	4 2	0 0	0 1	2 5	6 7	0 4	8 5	8 7	8 9	9 1	7 5	4 8	8 4	7 3	9 1	8 6	99999 0M
996 12	6 2	8 4	0 3	8 4	1 4	0 2	7 2	3 6	0 5	4 6	6 1	7 0	1 3	6 8	9 0	2 9	8 8	8 9	8 5	8 4	8 4	4 5	7 1	6 8	8 9	8 9	9 0	8 2	3 2	8 0	8 5
97 01	8 2	8 5	9 0	9 0	8 0	5 3	0 2	8 0	7 4	8 0	8 3	9 0	7 6	7 6	1 8	0 0	1 8	9 2	5 7	6 9	8 2	1 7	1 7	7 0	6 5	1 3	0 1	0 3	8 5	3 9	7 8
97 02	9 6	8 4	0 0	1 2	7 2	9 2	9 9	10 0	9 8	8 6	9 8	9 8	10 0	8 4	10 0	11	10 2	8 6	9 8	7 3	0 0	0 6	2 0	4 6	5 3	3 7	7 4	9 1	99999 0M	99999 0M	99999 0M
7 03	7 6	8 1	5 0	1 7	6 3	3 0	0 0	2 9	10 4	10 2	3 0	8 7	7 4	7 1	0 0	0 9	0 6	0 6	6 0	8 3	5 6	2 4	0 3	7 4	8 0	10 4	10 5	9 8	10 8	10 8	10 8
97 04	4 6	6 6	10 9	10 5	8 4	5 2	0 2	6 3	3 5	3 6	8 8	9 6	6 0	5 0	7 7	12 0	11 8	11 9	10 2	8 2	10 4	9 4	11 2	6 8	6 6	3 6	7 4	9 5	7 6	11 8	99999 0M
97 05	11 8	11 7	10 2	3 8	10 1	12 0	12 0	12 2	12 1	12 4	12 4	9 0	11 7	11 8	10 5	12 6	12 6	1 [illegible]	10 2	12 7	12 3	12 4	12 5	12 6	12 6	12 4	12 4	12 8	12 4	12 2	10 4
97 06	12 2	12 4	12 6	12 7	12 6	12 7	12 6	11 0	12 4	12 6	11 3	11 7	9 6	12 8	12 8	12 8	12 8	12 7	13 0	12 8	12 7	12 2	12 8	12 9	12 3	11 8	12 5	12 4	12 5	12 4	99999 0M
97 07	13 2	13 0	12 6	12 7	13 0	12 8	12 8	12 8	12 8	12 8	12 7	12 8	11 8	1 6	11 3	12 8	11 0	11 2	11 9	12 1	12 3	12 3	12 3	11 8	11 8	12 2	11 8	12 7	11 8	11 2	11 8

11 99999 0M MISSING DATA
0 0T (Trace) (<0 1 mm)

BEST AVAILABLE COPY

18

METEOROLOGICAL DEPARTMENT
CLIMATE DIVISION

STATION NAME DEIR ALLA ELEMENT NAME Evaporation pan daily total

DATE Y M	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
1996 08	10 0	7 0	11 0	6 2	8 6	9 6	9 8	10 1	10 0	11 7	6 0	8 2	9 9	8 4	11 5	6 8	10 6	10 6	9 6	8 4	8 0	11 2	8 8	9 4	6 2	10 0	9 4	8 1	6 4	10 1	6 0
1996 09	7 6	5 4	8 5	9 5	9 9	9 9	7 4	10 3	6 6	5 8	7 0	8 2	7 6	9 1	7 3	6 4	7 8	9 8	4 2	9 8	8 0	10 0	6 0	9 0	7 5	10 2	6 3	6 0	8 2	8 8	99999 OM
1996 10	7 0	12 7	8 7	3 5	8 3	6 2	4 1	9 6	7 0	8 7	8 6	7 7	3 4	7 1	1 8	10 0	1 8	9 2	10 0	7 0	6 5	8 1	10 3	2 0	8 5	2 9	6 2	3 3	0 3	3 5	3 8
1996 11	1 6	6 3	5 4	4 7	2 8	3 0	3 8	6 2	10 0	6 2	13 3	4 3	7 9	10 0	5 6	2 7	6 7	6 8	9 4	2 7	3 9	7 2	3 2	7 8	6 5	4 6	7 1	3 4	4 1	7 3	99999 OM
1996 12	7 2	5 7	3 6	2 0	5 4	6 4	3 4	3 3	1 8	2 0	2 0	3 9	2 5	2 3	2	2 2	7	5	4 5	3 0	3 0	1 7	2 4	1 8	4 4	2 2	1 6	3 4	2 7	3 0	5 4
1997 01	2 7	6 9	3 4	4 2	7 0	4 6	2 0	2 4	1 7	4 3	6 0	10 0	5 2	2 4	6 3	0 6	1 7	1 4	5 1	1 9	2 0	2 0	4 0	3 4	1 6	0 4	2 4	4 0	0 8	1 8	4 3
1997 02	7 1	0 1	2 5	2 3	1 0	3 6	5 1	7 4	2 6	2 0	3 0	4 8	3 1	7 1	9	2 3	1 0	3 2	2 3	1 7	0 0	4 6	1 6	3 1	5 8	1 9	1 3	3 3	99999 OM	99999 OM	99999 OM
1997 03	6 4	0 2	1 2	0 2	2 5	2 5	4 2	3 8	3 8	2 8	6 2	4 1	3 4	2 9	0 3	2 7	0 8	2 4	4 0	4 0	3 7	3 0	0 1	2 3	3 1	3 5	3 7	5 2	3 0	5 9	2 1
1997 04	3 7	5 5	7 6	7 1	6 1	3 6	0 8	1 8	1 8	3 3	2 3	0	7 8	7	7	7	7	1	0	8 2	7 2	10 4	10 0	9 4	5 6	3 0	7 7	6 3	5	6 7	99999 OM
1997 06	11 0	7 3	7 7	9 9	9 1	7 0	7 0	7 0	8 0	12 0	8 6	8 0	10 4	3 5	13 5	7 0	1 0	12 0	9 6	10 4	13 0	8 7	10 1	11 2	13 0	9 7	7 4	7 7	11 0	9 2	99999 OM
1997 07	11 4	7	8 0	13 0	11 0	8 3	11 5	11 0	7 0	9 8	12 2	7 0	11 0	9 0	10 0	1 7	10 1	10 0	10 1	8 7	9 0	7 6	12 0	10 0	10	6 1	13 7	9 6	11 7	11 0	10 0

OM 99999 OM MISSING DATA
0 0T (Trace),(<0 1 mm)

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METEOROLOGICAL DEPARTMENT
CLIMATE DIVISION

STATION NAME DEIR ALLA ELEMENT NAME Precipitation daily total "mm"

YR M	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
1996 08	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
1996 09	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	99999 OM	0 0
96 10	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	1 7	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	1 1	0 0	0 0	0 0	8 9	0 0	0 0
1996 11	0 0	0 0	0 0	0 0	0 8	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	3 0	3 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	97999 OM	0 0
1996 12	0 0	0 0	1 1	0 0	3 7	0 1	0 0	0 0	5 8	0 0	0 0	12 2	30 2	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 3	0 0	0 0	0 0	0 0	0 0	0 2	0 0	0 0	0 0
7 01	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	1 6	0 0	3	0 1	0 0	0 0	0 0	0 0	0 0	41 0	0 4	0 0	0 0	3 4	0 3	0 0	15 1	0 0	0 0
97 02	0 0	6 5	18 3	7 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	2 0	39 5	26 2	4 0	3 8	0 8	0 9	0 0	0 0	99999 OM	99999 OM	99999 OM
97 03	0 0	3 1	4 3	0 8	1 2	1 5	0 0	0 1	0 0	0 0	0 0	0 0	1 5	7 0	16 6	1 6	8 6	11 1	0 0	0 0	0 0	0 0	1 1	12 8	0 0	0 0	0 0	0 0	0 0	0 0	0 0
97 04	0 0	0 0	0 0	1 1	0 0	1 8	0 0	0 5	0 7	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	99999 OM	0 0
97 05	0 0	0 0	5 0	0 0	2 3	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0T	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
1 06	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	99999 OM	0 0
97 07	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0

TE 99999 OM MISSING DATA
0 0T (Trace) (<0 1 mm)

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METEOROLOGICAL DEPARTMENT
CLIMATE DIVISION

STATION NAME	ELEMENT NAME	DATE Y M D	MAIN OBSERVATION IN GMT 0000h	0600h	1200h	1800h
DEIR ALLA	Relative Humidty	1996 08 01	60 0	65 0	18 0	35 0
DEIR ALLA	Relative Humidty	1996 08 02	63 0	57 0	26 0	43 0
DEIR ALLA	Relative Humidty	1996 08 03	71 0	60 0	26 0	40 0
DEIR ALLA	Relative Humidty	1996 08 04	71 0	60 0	28 0	45 0
DEIR ALLA	Relative Humidty	1996 08 05	77 0	54 0	25 0	39 0
DEIR ALLA	Relative Humidty	1996 08 06	74 0	71 0	32 0	49 0
DEIR ALLA	Relative Humidty	1996 08 07	69 0	67 0	31 0	38 0
DEIR ALLA	Relative Humidty	1996 08 08	70 0	51 0	24 0	25 0
DEIR ALLA	Relative Humidty	1996 08 09	81 0	72 0	15 0	26 0
DEIR ALLA	Relative Humidty	1996 08 10	55 0	40 0	24 0	35 0
DEIR ALLA	Relative Humidty	1996 08 11	84 0	61 0	26 0	29 0
DEIR ALLA	Relative Humidty	1996 08 12	63 0	62 0	24 0	30 0
DEIR ALLA	Relative Humidty	1996 08 13	70 0	69 0	26 0	53 0
DEIR ALLA	Relative Humidty	1996 08 14	71 0	68 0	29 0	53 0
DEIR ALLA	Relative Humidty	1996 08 15	79 0	60 0	26 0	52 0
DEIR ALLA	Relative Humidty	1996 08 16	76 0	60 0	26 0	40 0
DEIR ALLA	Relative Humidty	1996 08 17	80 0	72 0	28 0	38 0
DEIR ALLA	Relative Humidty	1996 08 18	8 0	73 0	15 0	33 0
DEIR ALLA	Relative Humidty	1996 08 19	63 0	60 0	27 0	44 0
DEIR ALLA	Relative Humidty	1996 08 2	5 0	54 0	31 0	43 0
DEIR ALLA	Relative Humidty	1996 08 2	67 0	[illegible]	24 0	40 0
DEIR ALLA	Relative Humidty	1996 08 2	6 0	5[illegible]	30 0	39 0
DEIR ALLA	Relative Humidty	1996 08 25	7[illegible]	4[illegible]	20 0	44 0
DEIR ALLA	Relative Humidty	1996 08 [illegible]	67 0	7[illegible]	25 0	44 0
DEIR ALLA	Relative Humidty	1996 08 [illegible]	7	65	23 0	7[illegible] 0
DEIR ALLA	Relative Humidty	1996 08 [illegible]	67 0	7[illegible]	20 0	40 0
DEIR ALLA	Relative Humidty	1996 08 27	7[illegible] 0	62 0	27 0	45 0
DEIR ALLA	Relative Humidty	1996 08 28	7[illegible] 0	60 0	34 0	51 0
DEIR ALLA	Relative Humidty	1996 08 29	7[illegible] 0	5[illegible]	20 0	38 0
DEIR ALLA	Relative Humidty	1996 08 3	67 0	67 0	21 0	34 0
DEIR ALLA	Relative Humidty	1996 08 31	69 0	60 0	20 0	47 0
DEIR ALLA	Relative Humidty	1996 09 01	77 0	75 0	29 0	39 0
DEIR ALLA	Relative Humidty	1996 09 02	77 0	65 0	31 0	45 0
DEIR ALLA	Relative Humidty	1996 09 03	76 0	64 0	27 0	45 0
DEIR ALLA	Relative Humidty	1996 09 04	76 0	62 0	31 0	44 0
DEIR ALLA	Relative Humidty	1996 09 05	55 0	44 0	23 0	25 0
DEIR ALLA	Relative Humidty	1996 09 06	42 0	37 0	11 0	21 0
DEIR ALLA	Relative Humidty	1996 09 07	65 0	65 0	23 0	53 0
DEIR ALLA	Relative Humidty	1996 09 08	62 0	63 0	32 0	50 0
DEIR ALLA	Relative Humidty	1996 09 09	60 0	45 0	26 0	53 0
DEIR ALLA	Relative Humidty	1996 09 10	66 0	62 0	25 0	43 0
DEIR ALLA	Relative Humidty	1996 09 11	71 0	63 0	26 0	41 0
DEIR ALLA	Relative Humidty	1996 09 12	71 0	71 0	32 0	41 0
DEIR ALLA	Relative Humidty	1996 09 13	71 0	60 0	22 0	35 0
DEIR ALLA	Relative Humidty	1996 09 14	62 0	56 0	24 0	32 0
DEIR ALLA	Relative Humidty	1996 09 15	50 0	55 0	32 0	42 0
DEIR ALLA	Relative Humidty	1996 09 16	78 0	71 0	33 0	52 0
DEIR ALLA	Relative Humidty	1996 09 17	66 0	51 0	29 0	49 0
DEIR ALLA	Relative Humidty	1996 09 18	63 0	57 0	30 0	52 0
DEIR ALLA	Relative Humidty	1996 09 19	81 0	62 0	30 0	45 0
DEIR ALLA	Relative Humidty	1996 09 20	82 0	62 0	28 0	27 0
DEIR ALLA	Relative Humidty	1996 09 21	24 0	31 0	23 0	52 0
DEIR ALLA	Relative Humidty	1996 09 22	76	65 0	30 0	51 0
DEIR ALLA	Relative Humidty	1996 09 23	75	61 0	33 0	53 0
DEIR ALLA	Relative Humidty	1996 09 24	72 0	63 0	24 0	32 0
DEIR ALLA	Relative Humidty	1996 09 25	23	35 0	12 0	31 0
DEIR ALLA	Relative Humidty	1996 09 26	80 0	72 0	28 0	58 0
DEIR ALLA	Relative Humidty	1996 09 27	83 0	87 0	23 0	45 0
DEIR ALLA	Relative Humidty	1996 09 28	83	70 0	30 0	36 0
DEIR ALLA	Relative Humidty	1996 09 29	45 0	40 0	25 0	38 0

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DEIR ALLA	Relative Humidity 1996 09 30	52 0	69 0	32 0	43 0
DEIR ALLA	Relative Humidity 1996 10 01	48 0	55 0	24 0	38 0
DEIR ALLA	Relative Humidity 1996 10 02	58 0	58 0	25 0	35 0
DEIR ALLA	Relative Humidity 1996 10 03	66 0	74 0	23 0	45 0
DEIR ALLA	Relative Humidity 1996 10 04	55 0	42 0	20 0	43 0
DEIR ALLA	Relative Humidity 1996 10 05	50 0	45 0	19 0	58 0
DEIR ALLA	Relative Humidity 1996 10 06	83 0	61 0	33 0	58 0
DEIR ALLA	Relative Humidity 1996 10 07	73 0	66 0	35 0	51 0
DEIR ALLA	Relative Humidity 1996 10 08	79 0	81 0	37 0	49 0
DEIR ALLA	Relative Humidity 1996 10 09	77 0	6[illegible] 0	38 0	58 0
DEIR ALLA	Relative Humidity 1996 10 10	67 0	61 0	28 0	36 0
DEIR ALLA	Relative Humidity 1996 10 11	23 0	41 0	31 0	49 0
DEIR ALLA	Relative Humidity 1996 10 12	59 0	56 0	28 0	36 0
DEIR ALLA	Relative Humidity 1996 10 13	62 0	75 0	38 0	40 0
DEIR ALLA	Relative Humidity 1996 10 14	56 0	54 0	60 0	47 0
DEIR ALLA	Relative Humidity 1996 10 15	67 0	59 0	28 0	36 0
DEIR ALLA	Relative Humidity 1996 10 16	50 0	59 0	20 0	31 0
DEIR ALLA	Relative Humidity 1996 10 17	19 0	22 0	11 0	11 0
DEIR ALLA	Relative Humidity 1996 10 18	15 0	14 0	8 0	9 0
DEIR ALLA	Relative Humidity 1996 10 19	9 0	9 0	11 0	15 0
DEIR ALLA	Relative Humidity 1996 10 20	15 0	12 0	13 0	43 0
DEIR ALLA	Relative Humidity 1996 10 21	49 0	62 0	20 0	45 0
DEIR ALLA	Relative Humidity 1996 10 22	73 0	66 0	18 0	40 0
DEIR ALLA	Relative Humidity 1996 10 23	39 0	41 0	26 0	51 0
DEIR ALLA	Relative Humidity 1996 10 24	52 0	56 0	22 0	42 0
DEIR ALLA	Relative Humidity 1996 10 25	45 0	42 0	20 0	49 0
DEIR ALLA	Relative Humidity 1996 10 26	55 0	74 0	37 0	3[illegible]
DEIR ALLA	Relative Humidity 1996 10 27	6[illegible] 0	[illegible] 0	[illegible] 0	3[illegible] 0
DEIR ALLA	Relative Humidity 1996 10 28	34 0	[illegible] 0	33 0	4[illegible]
DEIR ALLA	Relative Humidity 1996 10 29	59 0	[illegible] 0	85 0	8[illegible]
DEIR ALLA	Relative Humidity 1996 10 30	91 0	7[illegible] 0	3[illegible] 0	6[illegible] 0
DEIR ALLA	Relative Humidity 1996 10 31	52 0	[illegible] 0	24 0	2[illegible] 0
DEIR ALLA	Relative Humidity 1996 11 01	3[illegible] 0	[illegible] 0	3[illegible] 0	[illegible]
DEIR ALLA	Relative Humidity 1996 11 02	73 0	6[illegible] 0	3[illegible] 0	[illegible]
DEIR ALLA	Relative Humidity 1996 11 03	60 0	5[illegible] 0	25 0	[illegible] 0
DEIR ALLA	Relative Humidity 1996 11 04	24 0	2[illegible] 0	21 0	29 0
DEIR ALLA	Relative Humidity 1996 11 05	29 0	[illegible] 0	30 0	52 0
DEIR ALLA	Relative Humidity 1996 11 06	80 0	6[illegible] 0	31 0	67 0
DEIR ALLA	Relative Humidity 1996 11 07	67 0	6[illegible] 0	38 0	60 0
DEIR ALLA	Relative Humidity 1996 11 08	56 0	40 0	22 0	22 0
DEIR ALLA	Relative Humidity 1996 11 09	24 0	2[illegible] 0	16 0	12 0
DEIR ALLA	Relative Humidity 1996 11 10	15 0	15 0	12 0	12 0
DEIR ALLA	Relative Humidity 1996 11 11	14 0	15 0	8 0	8 0
DEIR ALLA	Relative Humidity 1996 11 12	11 0	7 0	5 0	9 0
DEIR ALLA	Relative Humidity 1996 11 13	7 0	8 0	7 0	7 0
DEIR ALLA	Relative Humidity 1996 11 14	9 0	6 0	5 0	5 0
DEIR ALLA	Relative Humidity 1996 11 15	6 0	12 0	5 0	8 0
DEIR ALLA	Relative Humidity 1996 11 16	40 0	40 0	32 0	40 0
DEIR ALLA	Relative Humidity 1996 11 17	46 0	52 0	43 0	36 0
DEIR ALLA	Relative Humidity 1996 11 18	48 0	84 0	64 0	60 0
DEIR ALLA	Relative Humidity 1996 11 19	64 0	60 0	32 0	39 0
DEIR ALLA	Relative Humidity 1996 11 20	38 0	35 0	42 0	59 0
DEIR ALLA	Relative Humidity 1996 11 21	58 0	56 0	35 0	36 0
DEIR ALLA	Relative Humidity 1996 11 22	41 0	49 0	30 0	48 0
DEIR ALLA	Relative Humidity 1996 11 23	47 0	50 0	32 0	31 0
DEIR ALLA	Relative Humidity 1996 11 24	42 0	45 0	33 0	27 0
DEIR ALLA	Relative Humidity 1996 11 25	35 0	34 0	26 0	28 0
DEIR ALLA	Relative Humidity 1996 11 26	33 0	37 0	34 0	40 0
DEIR ALLA	Relative Humidity 1996 11 27	42 0	45 0	37 0	33 0
DEIR ALLA	Relative Humidity 1996 11 28	32 0	37 0	29 0	50 0
DEIR ALLA	Relative Humidity 1996 11 29	57 0	56 0	27 0	29 0
DEIR ALLA	Relative Humidity 1996 11 30	31 0	26 0	27 0	27 0
DEIR ALLA	Relative Humidity 1996 12 01	25 0	22 0	20 0	30 0
DEIR ALLA	Relative Humidity 1996 12 02	35 0	57 0	23 0	26 0
DEIR ALLA	Relative Humidity 1996 12 03	24 0	28 0	26 0	65 0
DEIR ALLA	Relative Humidity 1996 12 04	90 0	75 0	34 0	44 0
DEIR ALLA	Relative Humidity 1996 12 05	29 0	40 0	25 0	65 0

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DEIR ALLA	Relative Humid y 1996 12 06	85 0	85 0	62 0	83 0
DEIR ALLA	Relative Hum d y 1996 12 07	65 0	58 0	30 0	42 0
DEIR ALLA	Relative Humid y 1996 12 08	54 0	59 0	46 0	61 0
DEIR ALLA	Relative Humid y 1996 12 09	65 0	58 0	94 0	95 0
DEIR ALLA	Rela ive Humid y 1996 12 10	72 0	65 0	51 0	72 0
DEIR ALLA	Relative Humid y 1996 12 11	55 0	55 0	29 0	38 0
DEIR ALLA	Relative Humidy 1996 12 12	25 0	31 0	28 0	35 0
DEIR ALLA	Relative Humid y 1996 12 13	53 0	91 0	63 0	95 0
DEIR ALLA	Relative Humid y 1996 12 14	95 0	95 0	43 0	81 0
DEIR ALLA	Relative Humid y 1996 12 15	60 0	74 0	35 0	40 0
DEIR ALLA	Relative Humid y 1996 12 16	50 0	41 0	48 0	80 0
DEIR ALLA	Relative Humidty 1996 12 17	80 0	84 0	39 0	55 0
DEIR ALLA	Relative Humidy 1996 12 18	35 0	35 0	22 0	20 0
DEIR ALLA	Relative Humidty 1996 12 19	33 0	30 0	24 0	39 0
DEIR ALLA	Relative Humidty 1996 12 20	39 0	45 0	34 0	46 0
DEIR ALLA	Relative Humidty 1996 12 21	48 0	51 0	35 0	55 0
DEIR ALLA	Relative Humidty 1996 12 22	65 0	63 0	51 0	77 0
DEIR ALLA	Relative Humidty 1996 12 23	70 0	90 0	33 0	59 0
DEIR ALLA	Relative Humidty 1996 12 24	55 0	70 0	35 0	47 0
DEIR ALLA	Relative Humidty 1996 12 25	64 0	85 0	30 0	38 0
DEIR ALLA	Relative Humidty 1996 12 26	33 0	31 0	30 0	30 0
DEIR ALLA	Relative Humidy 1996 12 27	35 0	29 0	28 0	48 0
DEIR ALLA	Relative Humidy 1996 12 28	66 0	65 0	30 0	36 0
DEIR ALLA	Relative Humidty 1996 12 29	36 0	32 0	32 0	47 0
DEIR ALLA	Relative Humidty 1996 12 30	48 0	64 0	37 0	35 0
DEIR ALLA	Rela ive Humid y 1996 12 31	29 0	[illegible]	29 0	44 0

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METEOROLOGICAL DEPARTMENT
CLIMATE DIVISION

STATION NAME	ELEMENT NAME	DATE Y	M	D	MAIN OBSERVATION IN GMT 0000h	0600h	1200h	1800h
DEIR ALLA	Relative Humidty	1997	01	01	35 0	46 0	33 0	56 0
DEIR ALLA	Relative Humidty	1997	01	02	44 0	50 0	31 0	30 0
DEIR ALLA	Relative Humidty	1997	01	03	33 0	45 0	28 0	34 0
DEIR ALLA	Relative Humidity	1997	01	04	41 0	40 0	26 0	29 0
DEIR ALLA	Relative Humidry	1997	01	05	31 0	35 0	24 0	40 0
DEIR ALLA	Relative Humidty	1997	01	06	64 0	59 0	25 0	50 0
DEIR ALLA	Relative Humidty	1997	01	07	66 0	60 0	38 0	52 0
DEIR ALLA	Relative Humidity	1997	01	08	51 0	59 0	36 0	56 0
DEIR ALLA	Relative Humidty	1997	01	09	70 0	66 0	34 0	57 0
DEIR ALLA	Relative Humidty	1997	01	10	55 0	62 0	38 0	45 0
DEIR ALLA	Relative Humidry	1997	01	11	48 0	27 0	23 0	36 0
DEIR ALLA	Relative Humidity	1997	01	12	27 0	28 0	19 0	21 0
DEIR ALLA	Relative Humidity	1997	01	13	21 0	29 0	21 0	20 0
DEIR ALLA	Relative Humidity	1997	01	14	39 0	37 0	28 0	45 0
DEIR ALLA	Relative Humidity	1997	01	15	79 0	70 0	64 0	90 0
DEIR ALLA	Relative Humidity	1997	01	16	95 0	95 0	94 0	93 0
DEIR ALLA	Relative Humidity	1997	01	17	85 0	61 0	60 0	72 0
DEIR ALLA	Relative Humidity	1997	01	18	56 0	55 0	32 0	37 0
DEIR ALLA	Relative Humidity	1997	01	19	27 0	34 0	22 0	20 0
DEIR ALLA	Relative Humidity	1997	01	20	[illegible]	[illegible]	29 0	40 0
DEIR ALLA	Relative Humidity	1997	01	21	43 0	[illegible]	30 0	60 0
DEIR ALLA	Relative Humidity	1997	01	22	64 0	[illegible]	93 0	90 0
DEIR ALLA	Relative Humidity	1997	01	23	95	95 0	55 0	87 0
DEIR ALLA	Relative Humidity	1997	01	24	60 0	70 0	32 0	50 0
DEIR ALLA	Relative Humidity	1997	01	25	50 0	[illegible]	54 0	78 0
DEIR ALLA	Relative Humidity	1997	01	26	74 0	80 0	44 0	52 0
DEIR ALLA	Relative Humidity	1997	01	27	74 0	65 0	64 0	53 0
DEIR ALLA	Relative Humidity	1997	01	28	60 0	40 0	52 0	40 0
DEIR ALLA	Relative Humidity	1997	01	29	22 0	23 0	26 0	46 0
DEIR ALLA	Relative Humidity	1997	01	30	50 0	[illegible]	40 0	92 0
DEIR ALLA	Relative Humidty	1997	01	31	90 0	95 0	20 0	46 0
DEIR ALLA	Relative Humidty	1997	02	01	40 0	50 0	30 0	56 0
DEIR ALLA	Relative humidty	1997	02	02	51 0	54 0	40 0	45 0
DEIR ALLA	Relative Humidty	1997	02	03	50 0	90 0	53 0	97 0
DEIR ALLA	Relative Humidty	1997	02	04	95 0	94 0	69 0	79 0
DEIR ALLA	Relative Humidty	1997	02	05	66 0	61 0	27 0	57 0
DEIR ALLA	Relative Humidty	1997	02	06	38 0	60 0	31 0	35 0
DEIR ALLA	Relative Humidty	1997	02	07	26 0	26 0	15 0	13 0
DEIR ALLA	Relative Humidty	1997	02	08	24 0	21 0	20 0	16 0
DEIR ALLA	Relative Humidity	1997	02	09	28 0	25 0	12 0	30 0
DEIR ALLA	Relative Humidty	1997	02	10	30 0	31 0	26 0	49 0
DEIR ALLA	Relative Humidty	1997	02	11	47 0	45 0	36 0	63 0
DEIR ALLA	Relative Humidty	1997	02	12	44 0	47 0	25 0	37 0
DEIR ALLA	Relative Humidty	1997	02	13	35 0	40 0	24 0	52 0
DEIR ALLA	Relative Humidty	1997	02	14	35 0	40 0	30 0	41 0
DEIR ALLA	Relative Humidty	1997	02	15	32 0	36 0	31 0	34 0
DEIR ALLA	Relative Humidty	1997	02	16	37 0	53 0	29 0	23 0
DEIR ALLA	Relative Humidty	1997	02	17	16 0	11 0	15 0	29 0
DEIR ALLA	Relative Humidty	1997	02	18	39 0	42 0	37 0	54 0
DEIR ALLA	Relative Humidty	1997	02	19	61 0	58 0	35 0	43 0
DEIR ALLA	Relative Humidty	1997	02	20	44 0	70 0	35 0	37 0
DEIR ALLA	Relative Humidity	1997	02	21	50 0	71 0	76 0	86 0
DEIR ALLA	Relative Humidty	1997	02	22	85 0	60 0	81 0	97 0
DEIR ALLA	Relative Humidty	1997	02	23	100 0	97 0	58	83 0
DEIR ALLA	Relative Humidty	1997	02	24	86 0	77 0	48 0	76 0
DEIR ALLA	Relative Humidty	1997	02	25	92 0	97 0	[illegible]	74 0
DEIR ALLA	Relative Humidty	1997	02	26	83 0	83 0	52 0	76 0
DEIR ALLA	Relative Humidity	1997	02	27	90 0	91 0	40 0	59 0
DEIR ALLA	Relative Humidity	1997	02	28	62 0	59 0	40 0	55 0
DEIR ALLA	Relative humidty	1997	03	01	52 0	51 0	33 0	41 0

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DEIR ALLA	Relative Humidity 1997 03 02	45 0	40 0	28 0	5 0
DEIR ALLA	Relative Humidity 1997 03 03	73 0	97 0	8[illegible] 0	[illegible] 0
DEIR ALLA	Relative Humidity 1997 03 04	90 0	89	75 0	95 0
DEIR ALLA	Relative Humidity 1997 03 05	93 0	94 0	56 0	[illegible] 0
DEIR ALLA	Relative Humidity 1997 03 06	78 0	90 0	45 0	75 0
DEIR ALLA	Relative Humidity 1997 03 07	99 0	98 0	26 0	37 0
DEIR ALLA	Relative Humidity 1997 03 08	35 0	24 0	14 0	8 0
DEIR ALLA	Relative Humidity 1997 03 09	56 0	56 0	38 0	54 0
DEIR ALLA	Relative Humidity 1997 03 10	69 0	54 0	30 0	0
DEIR ALLA	Relative Humidity 1997 03 11	26 0	19 0	19 0	[illegible] 0
DEIR ALLA	Relative Humidity 1997 03 12	18 0	27 0	20 0	40 0
DEIR ALLA	Relative Humidity 1997 03 13	43 0	50 0	27 0	56 0
DEIR ALLA	Relative Humidity 1997 03 14	54 0	86 0	48 0	81 0
DEIR ALLA	Relative Humidity 1997 03 15	97 0	83 0	97 0	97 0
DEIR ALLA	Relative Humidity 1997 03 16	97 0	96 0	76 0	86 0
DEIR ALLA	Relative Humidity 1997 03 17	97 0	98 0	95 0	66 0
DEIR ALLA	Relative Humidity 1997 03 18	94 0	97 0	63 0	56 0
DEIR ALLA	Relative Humidity 1997 03 19	97 0	67 0	33 0	57 0
DEIR ALLA	Relative Humidity 1997 03 20	63 0	79 0	46 0	60 0
DEIR ALLA	Relative Humidity 1997 03 21	51 0	30 0	29 0	50 0
DEIR ALLA	Relative Humidity 1997 03 22	71 0	70 0	63 0	61 0
DEIR ALLA	Relative Humidity 1997 03 23	90 0	77 0	70 0	[illegible] 0
DEIR ALLA	Relative Humidity 1997 03 24	90 0	87 0	43 0	63 0
DEIR ALLA	Relative Humidity 1997 03 25	96 0	87 0	30 0	[illegible] 0
DEIR ALLA	Relative Humidity 1997 03 26	69 0	57 0	33 0	[illegible] 0
DEIR ALLA	Relative Humidity 1997 03 27	74 0	65 0	24 0	[illegible] 0
DEIR ALLA	Relative Humidity 1997 03 28	85 0	[illegible]	42 0	[illegible] 0
DEIR ALLA	Relative Humidity 1997 03 29	89 0	6[illegible] 0	33 0	[illegible]
DEIR ALLA	Relative Humidity 1997 03 30	67 0	7[illegible] 0	33 0	[illegible]
DEIR ALLA	Relative Humidity 1997 03 31	86 0	7[illegible] 0	20 0	[illegible] 0
DEIR ALLA	Relative Humidity 1997 04 01	44 0	64	39 0	[illegible] 0
DEIR ALLA	Relative Humidity 1997 04 02	43 0	42 0	34 0	0
DEIR ALLA	Relative Humidity 1997 04 03	80 0	65 0	22 0	[illegible] 0
DEIR ALLA	Relative Humidity 1997 04 04	66 0	6[illegible] 0	31 0	[illegible] 0
DEIR ALLA	Relative Humidity 1997 04 05	40 0	71 0	29 0	4[illegible] 0
DEIR ALLA	Relative Humidity 1997 04 06	57 0	52 0	25 0	54 0
DEIR ALLA	Relative Humidity 1997 04 07	96 0	93 0	58 0	64 0
DEIR ALLA	Relative Humidity 1997 04 08	64 0	70 0	24 0	47 0
DEIR ALLA	Relative Humidity 1997 04 09	76 0	74 0	66 0	6[illegible] 0
DEIR ALLA	Relative Humidity 1997 04 10	72 0	48 0	46 0	40 0
DEIR ALLA	Relative Humidity 1997 04 11	52 0	48 0	22 0	39 0
DEIR ALLA	Relative Humidity 1997 04 12	54 0	60 0	20 0	26 0
DEIR ALLA	Relative Humidity 1997 04 13	49 0	21 0	18 0	34 0
DEIR ALLA	Relative Humidity 1997 04 14	47 0	38 0	34 0	54 0
DEIR ALLA	Relative Humidity 1997 04 15	93 0	81 0	29 0	40 0
DEIR ALLA	Relative Humidity 1997 04 16	66 0	45 0	25 0	43 0
DEIR ALLA	Relative Humidity 1997 04 17	77 0	58 0	27 0	43 0
DEIR ALLA	Relative Humidity 1997 04 18	84 0	66 0	24 0	40 0
DEIR ALLA	Relative Humidity 1997 04 19	62 0	62 0	23 0	40 0
DEIR ALLA	Relative Humidity 1997 04 20	40 0	24 0	20 0	28 0
DEIR ALLA	Relative Humidity 1997 04 21	22 0	36 0	15 0	43 0
DEIR ALLA	Relative Humidity 1997 04 22	73 0	59 0	13 0	21 0
DEIR ALLA	Relative Humidity 1997 04 23	27 0	27 0	16 0	21 0
DEIR ALLA	Relative Humidity 1997 04 24	20 0	31 0	15 0	42 0
DEIR ALLA	Relative Humidity 1997 04 25	53 0	59 0	36 0	48 0
DEIR ALLA	Relative Humidity 1997 04 26	71 0	68 0	34 0	63
DEIR ALLA	Relative Humidity 1997 04 27	84 0	70 0	31 0	51 0
DEIR ALLA	Relative Humidity 1997 04 28	79 0	64 0	30 0	42 0
DEIR ALLA	Relative Humidity 1997 04 29	81 0	65 0	27 0	40
DEIR ALLA	Relative Humidity 1997 04 30	81 0	78 0	33 0	38 [illegible]
DEIR ALLA	Relative Humidity 1997 05 01	42 0	46 0	12 0	19 0
DEIR ALLA	Relative Humidity 1997 05 02	28 0	43 0	17 0	25
DEIR ALLA	Relative Humidity 1997 05 03	41 0	58 0	31 0	45
DEIR ALLA	Relative Humidity 1997 05 04	84 0	97 0	48 0	80 [illegible]
DEIR ALLA	Relative Humidity 1997 05 05	95 0	79 0	29 0	44
DEIR ALLA	Relative Humidity 1997 05 06	66 0	71 0	15 0	39
DEIR ALLA	Relative Humidity 1997 05 07	90 0	67 0	22 0	25 0

DEIR ALLA	Relative Humidity 1997 05 08	61 0	56 0	12 0	22 0
DEIR ALLA	Relative Humidity 1997 05 09	24 0	31 0	10 0	15 0
DEIR ALLA	Relative Humidity 1997 05 10	24 0	31 0	12 0	15 0
DEIR ALLA	Relative Humidity 1997 05 11	55 0	43 0	13 0	27 0
DEIR ALLA	Relative Humidity 1997 05 12	46 0	12 0	7 0	30 0
DEIR ALLA	Relative Humidity 1997 05 13	69 0	46 0	19 0	36 0
DEIR ALLA	Relative Humidity 1997 05 14	39 0	61 0	17 0	22 0
DEIR ALLA	Relative Humidity 1997 05 15	83 0	73 0	17 0	15 0
DEIR ALLA	Relative Humidity 1997 05 16	64 0	52 0	23 0	35 0
DEIR ALLA	Relative Humidity 1997 05 17	67 0	49 0	16 0	22 0
DEIR ALLA	Relative Humidity 1997 05 18	47 0	36 0	16 0	26 0
DEIR ALLA	Relative Humidity 1997 05 19	27 0	32 0	14 0	25 0
DEIR ALLA	Relative Humidity 1997 05 20	82 0	56 0	28 0	61 0
DEIR ALLA	Relative Humidity 1997 05 21	88 0	67 0	23 0	36 0
DEIR ALLA	Relative Humidity 1997 05 22	91 0	53 0	22 0	43 0
DEIR ALLA	Relative Humidity 1997 05 23	92 0	62 0	15 0	29 0
DEIR ALLA	Relative Humidity 1997 05 24	55 0	52 0	16 0	25 0
DEIR ALLA	Relative Humidity 1997 05 25	48 0	46 0	15 0	29 0
DEIR ALLA	Relative Humidity 1997 05 26	80 0	65 0	19 0	34 0
DEIR ALLA	Relative Humidity 1997 05 27	91 0	70 0	22 0	34 0
DEIR ALLA	Relative Humidity 1997 05 28	54 0	63 0	22 0	26 0
DEIR ALLA	Relative Humidity 1997 05 29	70 0	72 0	19 0	26 0
DEIR ALLA	Relative Humidity 1997 05 30	80 0	45 0	26 0	31 0
DEIR ALLA	Relative Humidity 1997 05 31	86 0	62 0	15 0	49 0
DEIR ALLA	Relative Humidity 1997 06 01	85 0	58 0	22 0	33 0
DEIR ALLA	Relative Humidity 1997 06 02	61 0	53 0	26 0	32 0
DEIR ALLA	Relative Humidity 1997 06 03	71 0	69 0	23 0	33 0
DEIR ALLA	Relative Humidity 1997 06 0	83 0	61 0	23 0	42 0
DEIR ALLA	Relative Humidity 1997 06 05	65 0	62 0	19 0	32 0
DEIR ALLA	Relative Humidity 1997 06 06	65 0	45 0	27 0	38 0
DEIR ALLA	Relative Humidity 1997 06 07	82 0	69 0	27 0	37 0
DEIR ALLA	Relative Humidity 1997 06 08	37 0	45 0	11 0	8 0
DEIR ALLA	Relative Humidity 1997 06 09	32 0	47 0	30 0	46 0
DEIR ALLA	Relative Humidity 1997 06 10	83 0	46 0	30 0	33 0
DEIR ALLA	Relative Humidity 1997 06 11	75 0	61 0	28 0	39 0
DEIR ALLA	Relative Humidity 1997 06 12	75 0	61 0	33 0	49 0
DEIR ALLA	Relative Humidity 1997 06 13	77 0	70 0	32 0	40 0
DEIR ALLA	Relative Humidity 1997 06 14	83 0	65 0	28 0	54 0
DEIR ALLA	Relative Humidity 1997 06 15	84 0	70 0	33 0	40 0
DEIR ALLA	Relative Humidity 1997 06 16	86 0	71 0	27 0	37 0
DEIR ALLA	Relative Humidity 1997 06 17	64 0	48 0	23 0	26 0
DEIR ALLA	Relative Humidity 1997 06 18	54 0	57 0	18 0	30 0
DEIR ALLA	Relative Humidity 1997 06 19	83 0	55 0	26 0	27 0
DEIR ALLA	Relative Humidity 1997 06 20	65 0	52 0	28 0	44 0
DEIR ALLA	Relative Humidity 1997 06 21	70 0	52 0	20 0	30 0
DEIR ALLA	Relative Humidity 1997 06 22	61 0	51 0	20 0	21 0
DEIR ALLA	Relative Humidity 1997 06 23	65 0	74 0	28 0	35 0
DEIR ALLA	Relative Humidity 1997 06 24	92 0	48 0	20 0	27 0
DEIR ALLA	Relative Humidity 1997 06 25	77 0	65 0	21 0	51 0
DEIR ALLA	Relative Humidity 1997 06 26	91 0	53 0	28 0	56 0
DEIR ALLA	Relative Humidity 1997 06 27	74 0	64 0	31 0	54 0
DEIR ALLA	Relative Humidity 1997 06 28	76 0	66 0	25 0	48 0
DEIR ALLA	Relative Humidity 1997 06 29	83 0	58 0	26 0	53 0
DEIR ALLA	Relative Humidity 1997 06 30	92 0	64 0	21 0	21 0
DEIR ALLA	Relative Humidity 1997 07 01	24 0	32 0	14 0	36 0
DEIR ALLA	Relative Humidity 1997 07 02	60 0	64 0	24 0	27 0
DEIR ALLA	Relative Humidity 1997 07 03	77 0	73 0	30 0	50 0
DEIR ALLA	Relative Humidity 1997 07 04	77 0	70 0	28 0	35 0
DEIR ALLA	Relative Humidity 1997 07 05	58 0	49 0	22 0	18 0
DEIR ALLA	Relative Humidity 1997 07 06	34 0	40 0	27 0	2 0
DEIR ALLA	Relative Humidity 1997 07 07	50 0	40 0	22 0	27 0
DEIR ALLA	Relative Humidity 1997 07 08	60 0	45 0	19 0	3 0
DEIR ALLA	Relative Humidity 1997 07 09	83 0	64 0	34 0	44 0
DEIR ALLA	Relative Humidity 1997 07 10	70 0	54 0	20 0	4 0
DEIR ALLA	Relative Humidity 1997 07 11	78 0	60 0	29 0	45 0
DEIR ALLA	Relative Humidity 1997 07 12	83 0	83 0	39 0	42 0
DEIR ALLA	Relative Humidity 1997 07 13	75 0	48 0	21 0	22 0

DEIR ALLA	Relative Humid y 1997 07 14	27 0	50 0	24 0	36 0
DEIR ALLA	Rela ive Humid y 1997 07 15	79 0	64 0	15 0	20 0
DEIR ALLA	Rela ive Humid y 1997 07 16	50 0	36 0	20 0	18 0
DEIR ALLA	Relative Humid y 1997 07 17	48 0	38 0	22 0	32 0
DEIR ALLA	Relative Humid y 1997 07 18	51 0	43 0	21 0	32 0
DEIR ALLA	Relative Humid y 1997 07 19	61 0	42 0	19 0	25 0
DEIR ALLA	Relative Humidity 1997 07 20	52 0	45 0	18 0	16 0
DEIR ALLA	Relative Humid y 1997 07 21	66 0	48 0	17 0	31 0
DEIR ALLA	Relativ Humid y 1997 07 22	62 0	47 0	20 0	22 0
DEIR ALLA	Relative Humid y 1997 07 23	61 0	40 0	22 0	27 0
DEIR ALLA	Relative Humid y 1997 07 24	62 0	45 0	25 0	36 0
DEIR ALLA	Rela ive Humid y 1997 07 25	67 0	57 0	25 0	33 0
DEIR ALLA	Relative Humid y 1997 07 26	58 0	38 0	12 0	24 0
DEIR ALLA	Relative Humidty 1997 07 27	30 0	32 0	13 0	20 0
DEIR ALLA	Relative Humidty 1997 07 28	67 0	57 0	23 0	41 0
DEIR ALLA	Relative Humid y 1997 07 29	71 0	56 0	20 0	30 0
DEIR ALLA	Relative Humidry 1997 07 30	60 0	51 0	29 0	45 0
DEIR ALLA	Relative Humidty 1997 07 31	71 0	57 0	25 0	41 0

METEOROLOGICAL DEPARTMENT
CLIMATE DIVIDION

STATION NAME	ELEMENT NAME	DATE Y	M	D	MAIN OBSERVATION IN GMT 0001h	0600h	1200h	1800h
DEIR ALLA	Relative Humidity	1993	08	01	60 0	61 0	25 0	36 0
DEIR ALLA	Relative Humidty	1993	08	02	70 0	49 0	23 0	37 0
DEIR ALLA	Relative Humidty	1993	08	03	64 0	56 0	29 0	33 0
DEIR ALLA	Relative Humidty	1993	08	04	71 0	68 0	30 0	41 0
DEIR ALLA	Relative Humidty	1993	08	05	76 0	66 0	25 0	42 0
DEIR ALLA	Relative Humidty	1993	08	06	77 0	50 0	26 0	27 0
DEIR ALLA	Relative Humidty	1993	08	07	77 0	32 0	23 0	30 0
DEIR ALLA	Relative Humidty	1993	08	08	74 0	48 0	30 0	34 0
DEIR ALLA	Relative Humidty	1993	08	09	70 0	49 0	30 0	34 0
DEIR ALLA	Relative Humidty	1993	08	10	71 0	57 0	32 0	45 0
DEIR ALLA	Relative Humidty	1993	08	11	70 0	68 0	29 0	45 0
DEIR ALLA	Relative Humidty	1993	08	12	70 0	52 0	29 0	51 0
DEIR ALLA	Relative Humidty	1993	08	13	72 0	59 0	28 0	49 0
DEIR ALLA	Relative Humidty	1993	08	14	69 0	62 0	27 0	40 0
DEIR ALLA	Relative Humidty	1993	08	15	64 0	59 0	30 0	34 0
DEIR ALLA	Relative Humidty	1993	08	16	61 0	54 0	30 0	35 0
DEIR ALLA	Relative Humidty	1993	08	17	70 0	70 0	27 0	40 0
DEIR ALLA	Relative Humidty	1993	08	18	71 0	61 0	25 0	37 0
DEIR ALLA	Relative Humidty	1993	08	19	70 0	47 0	30 0	40 0
DEIR ALLA	Relative Humidty	1993	08	20	71 0	66 0	27 0	40 0
DEIR ALLA	Relative Humidty	1993	08	21	70 0	66 0	29 0	47 0
DEIR ALLA	Relative Humidty	1993	08	22	72 0	67 0	30 0	54 0
DEIR ALLA	Relative Humidty	1993	08	23	74 0	68 0	32 0	45 0
DEIR ALLA	Relative Humidty	1993	08	24	73 0	69 0	30 0	35 0
DEIR ALLA	Relative Humidty	1993	08	25	73 0	66 0	25 0	50 0
DEIR ALLA	Relative Humidty	1993	08	26	67 0	49 0	30 0	41 0
DEIR ALLA	Relative Humidty	1993	08	27	74 0	70 0	35 0	50 0
DEIR ALLA	Relative Humidty	1993	08	28	71 0	63 0	33 0	47 0
DEIR ALLA	Relative Humidty	1993	08	29	71 0	68 0	19 0	35 0
DEIR ALLA	Relative Humidty	1993	08	30	45 0	40 0	16 0	24 0
DEIR ALLA	Relative Humidty	1993	08	31	44 0	50 0	17 0	24 0
DEIR ALLA	Relative Humidty	1993	09	01	48 0	65 0	25 0	45 0
DEIR ALLA	Relative Humidty	1993	09	02	71 0	63 0	34 0	51 0
DEIR ALLA	Relative Humidty	1993	09	03	56 0	52 0	31 0	52 0
DEIR ALLA	Relative Humidty	1993	09	04	70 0	55 0	29 0	51 0
DEIR ALLA	Relative Humidty	1993	09	05	63 0	53 0	36 0	50 0
DEIR ALLA	Relative Humidty	1993	09	06	73 0	60 0	35 0	57 0
DEIR ALLA	Relative Humidty	1993	09	07	62 0	60 0	48 0	50 0
DEIR ALLA	Relative Humidty	1993	09	08	69 0	50 0	29 0	45 0
DEIR ALLA	Relative Humidty	1993	09	09	67 0	55 0	24 0	48 0
DEIR ALLA	Relative Humidty	1993	09	10	69 0	57 0	27 0	49 0
DEIR ALLA	Relative Humidty	1993	09	11	67 0	68 0	36 0	45 0
DEIR ALLA	Relative Humidty	1993	09	12	71 0	71 0	30 0	43 0
DEIR ALLA	Relative Humidty	1993	09	13	71 0	50 0	32 0	39 0
DEIR ALLA	Relative Humidty	1993	09	14	45 0	40 0	25 0	31 0
DEIR ALLA	Relative Humidty	1993	09	15	43 0	60 0	19 0	30 0
DEIR ALLA	Relative Humidty	1993	09	16	43 0	49 0	19 0	23 0
DEIR ALLA	Relative Humidty	1993	09	17	42 0	41 0	26 0	35 0
DEIR ALLA	Relative Humidty	1993	09	18	49 0	58 0	25 0	41 0
DEIR ALLA	Relative Humidty	1993	09	19	60 0	62 0	23 0	49 0
DEIR ALLA	Relative Humidty	1993	09	20	70 0	64 0	34 0	33 0
DEIR ALLA	Relative Humidty	1993	09	21	65 0	44 0	28 0	51 0
DEIR ALLA	Relative Humidty	1993	09	22	78 0	67 0	27 0	35 0
DEIR ALLA	Relative Humidty	1993	09	23	55 0	43 0	29 0	38 0
DEIR ALLA	Relative Humidty	1993	09	24	43 0	44 0	29 0	38 0
DEIR ALLA	Relative Humidty	1993	09	25	65 0	64 0	37 0	46 0
DEIR ALLA	Relative Humidty	1993	09	26	72 0	65 0	28 0	46 0
DEIR ALLA	Relative Humidty	1993	09	27	72 0	60 0	30 0	41 0
DEIR ALLA	Relative Humidty	1993	09	28	45 0	44 0	30 0	52 0
DEIR ALLA	Relative Humidty	1993	09	29	61 0	60 0	34 0	54 0

DEIR ALLA	Relative Humidity 1993 09 30	77.0	54.0	33.0	49.0
DEIR ALLA	Relative Humidity 1993 10 01	63.0	68.0	42.0	59.0
DEIR ALLA	Relative Humidity 1993 10 02	74.0	69.0	39.0	54.0
DEIR ALLA	Relative Humidity 1993 10 03	63.0	57.0	35.0	48.0
DEIR ALLA	Relative Humidity 1993 10 04	54.0	54.0	33.0	53.0
DEIR ALLA	Relative Humidity 1993 10 05	58.0	57.0	39.0	59.0
DEIR ALLA	Relative Humidity 1993 10 06	73.0	59.0	35.0	45.0
DEIR ALLA	Relative Humidity 1993 10 07	74.0	53.0	32.0	46.0
DEIR ALLA	Relative Humidity 1993 10 08	58.0	51.0	37.0	54.0
DEIR ALLA	Relative Humidity 1993 10 09	63.0	65.0	31.0	55.0
DEIR ALLA	Relative Humidity 1993 10 10	52.0	59.0	29.0	54.0
DEIR ALLA	Relative Humidity 1993 10 11	55.0	51.0	23.0	43.0
DEIR ALLA	Relative Humidity 1993 10 12	54.0	40.0	25.0	44.0
DEIR ALLA	Relative Humidity 1993 10 13	41.0	43.0	25.0	34.0
DEIR ALLA	Relative Humidity 1993 10 14	69.0	34.0	24.0	32.0
DEIR ALLA	Relative Humidity 1993 10 15	27.0	30.0	23.0	24.0
DEIR ALLA	Relative Humidity 1993 10 16	30.0	37.0	24.0	26.0
DEIR ALLA	Relative Humidity 1993 10 17	34.0	28.0	22.0	25.0
DEIR ALLA	Relative Humidity 1993 10 18	40.0	38.0	22.0	23.0
DEIR ALLA	Relative Humidity 1993 10 19	28.0	30.0	21.0	25.0
DEIR ALLA	Relative Humidity 1993 10 20	30.0	27.0	22.0	22.0
DEIR ALLA	Relative Humidity 1993 10 21	25.0	27.0	29.0	39.0
DEIR ALLA	Relative Humidity 1993 10 22	44.0	48.0	37.0	44.0
DEIR ALLA	Relative Humidity 1993 10 23	59.0	55.0	28.0	51.0
DEIR ALLA	Relative Humidity 1993 10 24	50.0	48.0	35.0	55.0
DEIR ALLA	Relative Humidity 1993 10 25	50.0	35.0	30.0	[illegible]
DEIR ALLA	Relative Humidity 1993 10 26	32.0	33.0	22.0	[illegible]
DEIR ALLA	Relative Humidity 1993 10 27	45.0	45.0	36.0	[illegible]
DEIR ALLA	Relative Humidity 1993 10 28	54.0	5[illegible].0	40.0	[illegible]
DEIR ALLA	Relative Humidity 1993 10 29	6[illegible].0	6[illegible].0	41.0	3[illegible].0
DEIR ALLA	Relative Humidity 1993 10 30	37.0	3[illegible].0	2[illegible].0	[illegible]
DEIR ALLA	Relative Humidity 1993 10 31	3[illegible].0	3[illegible].0	3[illegible].0	4[illegible].0
DEIR ALLA	Relative Humidity 1993 11 01	[illegible]	83.0	83.0	8[illegible].0
DEIR ALLA	Relative Humidity 1993 11 02	7[illegible].0	79.0	60.0	8[illegible].0
DEIR ALLA	Relative Humidity 1993 11 03	65.0	60.0	33.0	45.0
DEIR ALLA	Relative Humidity 1993 11 04	5[illegible].0	59.0	36.0	3[illegible].0
DEIR ALLA	Relative Humidity 1993 11 05	34.0	35.0	26.0	27.0
DEIR ALLA	Relative Humidity 1993 11 06	29.0	31.0	27.0	2[illegible].0
DEIR ALLA	Relative Humidity 1993 11 07	29.0	29.0	25.0	24.0
DEIR ALLA	Relative Humidity 1993 11 08	28.0	27.0	27.0	43.0
DEIR ALLA	Relative Humidity 1993 11 09	56.0	54.0	38.0	68.0
DEIR ALLA	Relative Humidity 1993 11 10	73.0	63.0	35.0	56.0
DEIR ALLA	Relative Humidity 1993 11 11	68.0	60.0	34.0	65.0
DEIR ALLA	Relative Humidity 1993 11 12	80.0	86.0	37.0	66.0
DEIR ALLA	Relative Humidity 1993 11 13	82.0	59.0	40.0	54.0
DEIR ALLA	Relative Humidity 1993 11 14	34.0	25.0	19.0	10.0
DEIR ALLA	Relative Humidity 1993 11 15	16.0	67.0	70.0	67.0
DEIR ALLA	Relative Humidity 1993 11 16	67.0	65.0	43.0	36.0
DEIR ALLA	Relative Humidity 1993 11 17	34.0	38.0	25.0	41.0
DEIR ALLA	Relative Humidity 1993 11 18	50.0	43.0	40.0	50.0
DEIR ALLA	Relative Humidity 1993 11 19	55.0	64.0	42.0	44.0
DEIR ALLA	Relative Humidity 1993 11 20	42.0	31.0	23.0	24.0
DEIR ALLA	Relative Humidity 1993 11 21	23.0	23.0	23.0	29.0
DEIR ALLA	Relative Humidity 1993 11 22	30.0	32.0	25.0	30.0
DEIR ALLA	Relative Humidity 1993 11 23	32.0	40.0	27.0	37.0
DEIR ALLA	Relative Humidity 1993 11 24	47.0	50.0	43.0	63.0
DEIR ALLA	Relative Humidity 1993 11 25	54.0	61.0	65.0	70.0
DEIR ALLA	Relative Humidity 1993 11 26	66.0	61.0	61.0	70.0
DEIR ALLA	Relative Humidity 1993 11 27	77.0	79.0	32.0	60.0
DEIR ALLA	Relative Humidity 1993 11 28	66.0	73.0	39.0	53.0
DEIR ALLA	Relative Humidity 1993 11 29	50.0	54.0	39.0	28.0
DEIR ALLA	Relative Humidity 1993 11 30	31.0	26.0	22.0	2[illegible].0
DEIR ALLA	Relative Humidity 1993 12 01	25.0	30.0	25.0	48.0
DEIR ALLA	Relative Humidity 1993 12 02	85.0	91.0	47.0	59.0
DEIR ALLA	Relative Humidity 1993 12 03	62.0	64.0	39.0	50.0
DEIR ALLA	Relative Humidity 1993 12 04	48.0	64.0	38.0	58.0
DEIR ALLA	Relative Humidity 1993 12 05	47.0	50.0	31.0	52.0

DEIR ALLA	Relative Humidty 1993 12 06	49 0	50 0	36 0	54 0
DEIR ALLA	Relative Humidty 1993 12 07	69 0	60 0	50 0	57 0
DEIR ALLA	Relative Humidty 1993 12 08	80 0	85 0	63 0	85 0
DEIR ALLA	Relative Humidty 1993 12 09	85 0	93 0	60 0	78 0
DEIR ALLA	Relative Humidty 1993 12 10	70 0	70 0	48 0	48 0
DEIR ALLA	Relative Humidty 1993 12 11	60 0	56 0	34 0	28 0
DEIR ALLA	Relative Humidty 1993 12 12	32 0	33 0	25 0	25 0
DEIR ALLA	Relative Humidty 1993 12 13	31 0	35 0	40 0	67 0
DEIR ALLA	Relative Humid y 1993 12 14	65 0	93 0	72 0	88 0
DEIR ALLA	Relative Humidty 1993 12 15	71 0	82 0	51 0	60 0
DEIR ALLA	Rela ive Humidty 1993 12 16	49 0	4[illegible] 0	33 0	32 0
DEIR ALLA	Rela ive Humidty 1993 12 17	30 0	3[illegible] 0	30 0	44 0
DEIR ALLA	Relative Humidty 1993 12 18	55 0	50 0	45 0	52 0
DEIR ALLA	Relative Humidty 1993 12 19	50 0	55 0	41 0	45 0
DEIR ALLA	Relative Humidty 1993 12 20	45 0	63 0	44 0	47 0
DEIR ALLA	Relative Humidty 1993 12 21	61 0	65 0	41 0	65 0
DEIR ALLA	Relative Humidty 1993 12 22	70 0	68 0	50 0	52 0
DEIR ALLA	Relative Humidty 1993 12 23	77 0	68 0	55 0	86 0
DEIR ALLA	Relative Humidty 1993 12 24	8[illegible] 0	77 0	62 0	96 0
DEIR ALLA	Relati e Humidty 1993 12 25	79 0	9[illegible] 0	60 0	42 0
DEIR ALLA	Relative Humidty 1993 12 26	46 0	53 0	43 0	66 0
DEIR ALLA	Relative Humidty 1993 12 27	83 0	71 0	51 0	80 0
DEIR ALLA	Relat e Humidty 1993 12 28	78 0	92 0	54 0	52 0
DEIR ALLA	Relative Humidty 1993 12 29	61 0	55 0	50 0	80 0
DEIR ALLA	Rela ive Humidty 1993 12 30	79 0	7[illegible] 0	53 0	59 0
DEIR ALLA	Rela ive Humid y 1993 12 31	47 0	5[illegible] 0	42 0	4[illegible] 0

METEOROLOGICAL DEPARTMENT

CLIMATE DIVIDION

STATION NAME	ELEMENT NAME	DATE Y M D	MAIN OBSERVATION IN GMT 0001h	0600h	1200h	1800h
DEIR ALLA	Relative Humidty	1994 01 01	75 0	76 0	46 0	65 0
DEIR ALLA	Relative Humidty	1994 01 02	96 0	69 0	50 0	78 0
DEIR ALLA	Relative Humidty	1994 01 03	82 0	70 0	49 0	43 0
DEIR ALLA	Relative Humidty	1994 01 04	50 0	50 0	93 0	98 0
DEIR ALLA	Relative Humidty	1994 01 05	98 0	98 0	36 0	63 0
DEIR ALLA	Relative Humidty	1994 01 06	58 0	60 0	44 0	45 0
DEIR ALLA	Relative Humidty	1994 01 07	34 0	37 0	34 0	29 0
DEIR ALLA	Relative Humidty	1994 01 08	36 0	41 0	40 0	44 0
DEIR ALLA	Relative Humidty	1994 01 09	36 0	35 0	34 0	32 0
DEIR ALLA	Relative Humidty	1994 01 10	35 0	43 0	36 0	34 0
DEIR ALLA	Relative Humidty	1994 01 11	35 0	53 0	42 0	75 0
DEIR ALLA	Relative Humidty	1994 01 12	79 0	79 0	61 0	30 0
DEIR ALLA	Relative Humidty	1994 01 13	37 0	55 0	45 0	40 0
DEIR ALLA	Relative Humidty	1994 01 14	43 0	50 0	79 0	90 0
DEIR ALLA	Relative Humidty	1994 01 15	92 0	91 0	69 0	78 0
DEIR ALLA	Relative Humidty	1994 01 16	80 0	73 0	85 0	87 0
DEIR ALLA	Relative Humidty	1994 01 17	87 0	84 0	60 0	70 0
DEIR ALLA	Relative Humidty	1994 01 18	58 0	60 0	36 0	35 0
DEIR ALLA	Relative Humidty	1994 01 19	37 0	44 0	39 0	67 0
DEIR ALLA	Relative Humidty	1994 01 20	61 0	76 0	40 0	70 0
DEIR ALLA	Relative Humidty	1994 01 21	74 0	71 0	[illegible] 0	80 0
DEIR ALLA	Relative Humidty	1994 01 22	87 0	[illegible] 0	[illegible] 0	77 0
DEIR ALLA	Relative Humidty	1994 01 23	90 0	[illegible] 0	[illegible] 0	87 0
DEIR ALLA	Relative Humidty	1994 01 24	81 0	[illegible] 0	[illegible] 0	92 0
DEIR ALLA	Relative Humidty	1994 01 25	86 0	[illegible] 0	[illegible] 0	82 0
DEIR ALLA	Relative Humidty	1994 01 26	85 0	[illegible] 0	[illegible] 0	85 0
DEIR ALLA	Relative Humidty	1994 01 27	70 0	59 0	50 0	32 0
DEIR ALLA	Relative Humidty	1994 01 28	40 0	41 0	39 0	69 0
DEIR ALLA	Relative Humidty	1994 01 29	83 0	85 0	42 0	60 0
DEIR ALLA	Relative Humidty	1994 01 30	71 0	84 0	[illegible] 0	51 0
DEIR ALLA	Relative Humidty	1994 01 31	63 0	62 0	54 0	74 0
DEIR ALLA	Relative Humidty	1994 02 01	77 0	85 0	70 0	80 0
DEIR ALLA	Relative Humidty	1994 02 02	92 0	90 0	50 0	89 0
DEIR ALLA	Relative Humidty	1994 02 03	75 0	91 0	44 0	73 0
DEIR ALLA	Relative Humidty	1994 02 04	58 0	59 0	45 0	61 0
DEIR ALLA	Relative Humidty	1994 02 05	82 0	82 0	37 0	69 0
DEIR ALLA	Relative Humidty	1994 02 06	72 0	83 0	45 0	39 0
DEIR ALLA	Relative Humidty	1994 02 07	41 0	26 0	27 0	48 0
DEIR ALLA	Relative Humidty	1994 02 08	51 0	68 0	37 0	43 0
DEIR ALLA	Relative Humidty	1994 02 09	42 0	73 0	37 0	71 0
DEIR ALLA	Relative Humidty	1994 02 10	62 0	52 0	37 0	60 0
DEIR ALLA	Relative Humidty	1994 02 11	60 0	68 0	26 0	76 0
DEIR ALLA	Relative Humidty	1994 02 12	84 0	83 0	47 0	62 0
DEIR ALLA	Relative Humidty	1994 02 13	70 0	50 0	43 0	66 0
DEIR ALLA	Relative Humidty	1994 02 14	89 0	87 0	44 0	76 0
DEIR ALLA	Relative Humidty	1994 02 15	79 0	85 0	42 0	44 0
DEIR ALLA	Relative Humidty	1994 02 16	87 0	70 0	45 0	60 0
DEIR ALLA	Relative Humidty	1994 02 17	73 0	83 0	45 0	55 0
DEIR ALLA	Relative Humidty	1994 02 18	72 0	70 0	4 0	27 0
DEIR ALLA	Relative Humidty	1994 02 19	24 0	20 0	21 0	18 0
DEIR ALLA	Relative Humidty	1994 02 20	19 0	20 0	19 0	27 0
DEIR ALLA	Relative Humidty	1994 02 21	76 0	79 0	[illegible] 0	65 0
DEIR ALLA	Relative Humidty	1994 02 22	84 0	72 0	4 0	85 0
DEIR ALLA	Relative Humidty	1994 02 23	84 0	89 0	70 0	87 0
DEIR ALLA	Relative Humidty	1994 02 24	89 0	83 0	85 0	85 0
DEIR ALLA	Relative Humidty	1994 02 25	65 0	68 0	42 0	46 0
DEIR ALLA	Relative Humidty	1994 02 26	65 0	60 0	42 0	46 0
DEIR ALLA	Relative Humidty	1994 02 27	65 0	84 0	84 0	86 0
DEIR ALLA	Relative Humidty	1994 02 28	86 0	83 0	72 0	83 0
DEIR ALLA	Relative Humidty	1994 03 01	86 0	65 0	35 0	75 0

DEIR ALLA	Relative Humidity 1994 03 02	63 0	88 0	40 0	[illegible] 0
DEIR ALLA	Relative Humidity 1994 03 03	71 0	77 0	34 0	73 0
DEIR ALLA	Relative Humidity 1994 03 04	90 0	60 0	42 0	[illegible] 0
DEIR ALLA	Relative Humidity 1994 03 05	78 0	83 0	34 0	[illegible] 0
DEIR ALLA	Relative Humidity 1994 03 06	86 0	79 0	51 0	[illegible] 0
DEIR ALLA	Relative Humidity 1994 03 07	92 0	90 0	57 0	9 0
DEIR ALLA	Relative Humidity 1994 03 08	78 0	66 0	39 0	6 0
DEIR ALLA	Relative Humidity 1994 03 09	63 0	83 0	41 0	[illegible] 0
DEIR ALLA	Relative Humidity 1994 03 10	67 0	73 0	53 0	[illegible] 0
DEIR ALLA	Relative Humidity 1994 03 11	86 0	71 0	65 0	[illegible] 0
DEIR ALLA	Relative Humidity 1994 03 12	87 0	87 0	56 0	0
DEIR ALLA	Relative Humidity 1994 03 13	65 0	65 0	83 0	70 0
DEIR ALLA	Relative Humidity 1994 03 14	81 0	85 0	54 0	69 0
DEIR ALLA	Relative Humidity 1994 03 15	82 0	72 0	50 0	72 0
DEIR ALLA	Relative Humidity 1994 03 16	78 0	75 0	49 0	61 0
DEIR ALLA	Relative Humidity 1994 03 17	79 0	72 0	35 0	73 0
DEIR ALLA	Relative Humidity 1994 03 18	51 0	70 0	38 0	56 0
DEIR ALLA	Relative Humidity 1994 03 19	66 0	72 0	31 0	34 0
DEIR ALLA	Relative Humidity 1994 03 20	66 0	61 0	36 0	[illegible] 0
DEIR ALLA	Relative Humidity 1994 03 21	83 0	86 0	47 0	9 0
DEIR ALLA	Relative Humidity 1994 03 22	84 0	70 0	46 0	[illegible] 0
DEIR ALLA	Relative Humidity 1994 03 23	84 0	80 0	42 0	[illegible] 0
DEIR ALLA	Relative Humidity 1994 03 24	80 0	92 0	48 0	[illegible] 0
DEIR ALLA	Relative Humidity 1994 03 25	84 0	89 0	43 0	[illegible] 0
DEIR ALLA	Relative Humidity 1994 03 26	85 0	86 0	45 0	3 0
DEIR ALLA	Relative Humidity 1994 03 27	80 0	71 0	27 0	[illegible] 0
DEIR ALLA	Relative Humidity 1994 03 28	72 0	70 0	37 0	[illegible] 0
DEIR ALLA	Relative Humidity 1994 03 29	61 0	60 0	32 0	[illegible] 0
DEIR ALLA	Relative Humidity 1994 03 30	59 0	60 0	33 0	0
DEIR ALLA	Relative Humidity 1994 03 31	83 0	73 0	[illegible] 0	[illegible] 0
DEIR ALLA	Relative Humidity 1994 04 01	83 0	92 0	6[illegible] 0	[illegible] 0
DEIR ALLA	Relative Humidity 1994 04 02	87 0	88 0	[illegible] 0	0
DEIR ALLA	Relative Humidity 1994 04 03	79 0	58 0	[illegible] 0	0
DEIR ALLA	Relative Humidity 1994 04 04	77 0	55 0	0	0
DEIR ALLA	Relative Humidity 1994 04 05	27 0	24 0	1[illegible] 0	[illegible] 0
DEIR ALLA	Relative Humidity 1994 04 06	17 0	18 0	6[illegible] 0	[illegible] 0
DEIR ALLA	Relative Humidity 1994 04 07	5[illegible] 0	6 0	[illegible] 0	0
DEIR ALLA	Relative Humidity 1994 04 08	83 0	70 0	23 0	[illegible] 0
DEIR ALLA	Relative Humidity 1994 04 09	77 0	59 0	27 0	[illegible] 0
DEIR ALLA	Relative Humidity 1994 04 10	46 0	47 0	21 0	[illegible] 0
DEIR ALLA	Relative Humidity 1994 04 11	29 0	37 0	1[illegible] 0	[illegible] 0
DEIR ALLA	Relative Humidity 1994 04 12	33 0	29 0	2[illegible] 0	[illegible] 0
DEIR ALLA	Relative Humidity 1994 04 13	37 0	26 0	17 0	[illegible] 0
DEIR ALLA	Relative Humidity 1994 04 14	25 0	23 0	16 0	[illegible] 0
DEIR ALLA	Relative Humidity 1994 04 15	22 0	22 0	18 0	[illegible] 0
DEIR ALLA	Relative Humidity 1994 04 16	33 0	43 0	1[illegible] 0	[illegible] 0
DEIR ALLA	Relative Humidity 1994 04 17	57 0	57 0	2[illegible] 0	[illegible] 0
DEIR ALLA	Relative Humidity 1994 04 18	50 0	60 0	17 0	[illegible] 0
DEIR ALLA	Relative Humidity 1994 04 19	30 0	34 0	23 0	[illegible] 0
DEIR ALLA	Relative Humidity 1994 04 20	26 0	38 0	21 0	[illegible] 0
DEIR ALLA	Relative Humidity 1994 04 21	31 0	22 0	21 0	[illegible] 0
DEIR ALLA	Relative Humidity 1994 04 22	38 0	43 0	27 0	[illegible] 0
DEIR ALLA	Relative Humidity 1994 04 23	29 0	46 0	34 0	[illegible] 0
DEIR ALLA	Relative Humidity 1994 04 24	79 0	65 0	34 0	[illegible] 0
DEIR ALLA	Relative Humidity 1994 04 25	74 0	69 0	43 0	[illegible] 0
DEIR ALLA	Relative Humidity 1994 04 26	83 0	70 0	37 0	[illegible] 0
DEIR ALLA	Relative Humidity 1994 04 27	71 0	58 0	32 0	[illegible] 0
DEIR ALLA	Relative Humidity 1994 04 28	60 0	48 0	24 0	[illegible] 0
DEIR ALLA	Relative Humidity 1994 04 29	45 0	46 0	33 0	[illegible]
DEIR ALLA	Relative Humidity 1994 04 30	50 0	68 0	31 0	[illegible]
DEIR ALLA	Relative Humidity 1994 05 01	84 0	77 0	37 0	
DEIR ALLA	Relative Humidity 1994 05 02	75 0	66 0	30 0	
DEIR ALLA	Relative Humidity 1994 05 03	65 0	31 0	24 0	
DEIR ALLA	Relative Humidity 1994 05 04	68 0	66 0	42 0	[illegible]
DEIR ALLA	Relative Humidity 1994 05 05	77 0	68 0	33 0	[illegible]
DEIR ALLA	Relative Humidity 1994 05 06	85 0	68 0	32 0	[illegible]
DEIR ALLA	Relative Humidity 1994 05 07	74 0	60 0	22 0	[illegible]

DEIR ALLA	Relative Humidty 1994 07 14	64 0	59 0	34 0	50 0
DEIR ALLA	Relative Humid y 1994 07 15	75 0	63 0	40 0	45 0
DEIR ALLA	Relative Humidty 1994 07 16	71 0	63 0	44 0	57 0
DEIR ALLA	Relative Humid y 1994 07 17	78 0	61 0	37 0	55 0
DEIR ALLA	Relative Humidty 1994 07 18	80 0	65 0	36 0	50 0
DEIR ALLA	Relative Humidty 1994 07 19	82 0	68 0	40 0	56 0
DEIR ALLA	Relative Humidty 1994 07 20	80 0	67 0	40 0	46 0
DEIR ALLA	Relative Humidty 1994 07 21	76 0	73 0	41 0	42 0
DEIR ALLA	Relative Humidty 1994 07 22	83 0	60 0	32 0	28 0
DEIR ALLA	Relative Humidty 1994 07 23	79 0	57 0	37 0	41 0
DEIR ALLA	Relative Humidty 1994 07 24	82 0	75 0	24 0	41 0
DEIR ALLA	Relative Humidty 1994 07 25	68 0	56 0	24 0	31 0
DEIR ALLA	Relative Humidty 1994 07 26	52 0	40 0	19 0	43 0
DEIR ALLA	Relative Humidty 1994 07 27	65 0	64 0	38 0	60 0
DEIR ALLA	Relative Humidty 1994 07 28	78 0	66 0	42 0	58 0
DEIR ALLA	Relative Humidty 1994 07 29	79 0	62 0	35 0	61 0
DEIR ALLA	Relative Humidty 1994 07 30	72 0	61 0	35 0	49 0
DEIR ALLA	Relative Humidty 1994 07 31	71 0	71 0	32 0	40 0

METEOROLOGICAL DEPARTMENT
CLIMATE DIVISION

TATION NAME DLIR ALLA ELEMENT NAME Solar Radiation Daily global Jul /cm 2

DATE Y M	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
1993 08	2453 7	2 47 7	2508 9	2574 9	2607 9	2538 1	2524 5	2770 7	2432 3	2 94 4	2423 6	2439 3	2420 0	2777 0	2467 5	2425 1	2738 2	2374 6	2352 6	2377 2	2300 4	2294 4	2278 3	2,299 5	2333 8	2247 1	2061 7	2160 9	2142 1	2181 1	2198 9
1993 09	2137 8	2037 8	2201 8	2250 7	2194 0	2176 9	2077 6	2196 5	2207 4	2123 2	2053 7	2069 1	2108 9	2083 7	2025 0	2109 1	2137 3	2142 7	2107 0	2141 4	2208 7	1994 7	2206 2	1,223 9	1733 1	2057 1	2104 6	2070 6	2056 0	2050 4	99999 0M
1993-10 Missing																															
1993 11	678 5	1117 7	1533 9	1 53 4	1513 5	1475 0	1396 6	1469 3	1403 3	1174 9	1315 6	1076 2	1423 5	1187 9	6[illegible]9	1[illegible] 0	1376 7	771 7	1213 1	976 2	740 6	1081 0	1266 7	1 179 6	453 1	780 0	1096 4	1199 9	1079 4	915 4	99999 0M
1993 12	1137 5	1225 2	1261 7	1074 6	1180 1	1077 7	878 7	843 7	898 2	1188 8	1117 9	1100 6	1068 1	556 0	121 3	1210 0	1215 7	1015 6	804 1	852 4	962 0	917 6	703 2	1,036 0	901 9	963 1	1027 7	1112 3	791 9	733 3	386 8
1994 01	776 5	261 1	1086 5	211 7	660 4	1189 2	1298 0	1285 8	1309 1	1081 1	1074 1	1133 1	1158 0	551 3	603 2	228 4	1289 2	1293 9	1372 7	1194 7	719 8	785 8	1019 0	722 8	943 8	557 8	1291 3	584 0	780 4	1468 8	997 9
1994 02	504 5	872 1	1573 0	1555 3	1504 8	1565 9	1396 2	1576 3	1585 5	1456 0	1433 4	1223 1	881 1	1342 0	1688 1	978 5	1318 2	1784 8	1848 4	1602 9	892 6	1104 2	902 3	510 4	1731 8	1890 6	757 9	1089 7	-99999 0M	99999 0M	99999 0M
1994 03	1982 0	1992 3	1966 3	1930 3	1998 7	732 5	1099 3	1976 4	1364 2	1118 2	1404 6	1426 4	426 1	1089 1	1219 6	2145 3	2220 7	1635 6	1969 0	1943 9	1607 6	2123 9	1603 0	1 916 0	2107 1	2069 6	2333 8	1610 8	1967 6	2219 0	2097 3
1994 04	889 9	1720 3	2590 9	2495 3	2284 0	2130 5	1750 4	2502 5	2560 2	2530 5	2528 3	2476 3	2579 4	2516 5	2539 6	2119 3	2371 1	2513 0	2151 6	2253 7	1937 3	1661 7	2455 5	2,402 2	1981 1	2579 5	2515 1	1945 4	2144 1	2453 3	99999 0M
1994 05	2370 2	2758 2	1652 6	1170 7	378 6	2672 7	2696 9	2623 1	2206 3	2752 1	2423 8	2813 2	2684 0	2870 7	2750 2	2940 0	2780 7	2831 0	2534 3	2603 7	2748 7	2694 2	2730 7	2 816 6	2874 2	2833 8	2779 6	2787 5	2854 4	2[illegible] 5	2796 3
1994 06	2735 3	2515 1	2761 8	2761 0	2746 9	2809 5	2793 7	2690 5	2675 8	2753 8	2752 6	2775 2	2852 5	2777 7	2652 0	2580 5	2804 6	2768 0	2694 9	2708 6	2743 7	2786 9	2710 2	2 270 1	2599 1	2728 0	2817 9	2613 7	2698 0	2697 9	99999 0M
1994 07	2736 0	2757 0	2765 2	2735 7	2673 4	2711 2	2672 4	2700 5	2643 7	2607 8	2669 6	2560 2	99999 0M	99999 0M	99999 0M	99999 0M	99999 0M	99999 0M	99999 0M	99999 0M	99999 0M	99999 0M	99999 0M	-99 999 0M	99999 0M	2795 4	99999 0M	-99999 0M	2484 7	2444 6	2474 0

OTE 99999 0M MISSING DATA
0 0T (Trace) (<0 1 mm)

APPENDIX B : FARMS RELATED DATA COLLECTED PHYSICALLY AND FROM JVA AND FARMERS

Appendix B Farms related Data, Collected from JVA & Farmers for November 1997

FARM # 1	DA 21	UNIT # 39
Crop	Area du	Water Applied m^3
CUCUMBER (C)	13 5	
BEANS (C)	0 5	
TOMATO (C)	3 0	
PEPPER	8 0	
Total	**25 0**	**306 0**

FARM # 2	DA 21	UNIT # 89
Crop	Area du	Water Applied m^3
CUCUMBER (C)	4 0	
TOMATO (C)	4 0	
POTATO	20 0	
Total	28 0	0 0

FARM #3	DA 21	UNIT # 90
Crop	Area du	Water Applied m^3
PEPPER	12 0	
POTATO	5 0	
SQUASH	5 0	
CUCUMBER (C)	1 5	
TOMATO (C)	1 0	
ONION	1 0	
Total	**25 5**	**1411 0**

FARM # 4	DA 21	UNIT # 110
Crop	Area du	Water Applied m^3
CUCUMBER (C)	15 5	
TOMATO (C)	4 5	
SQUASH	3 0	
Total	**23 0**	**2074 0**

Appendix B Farms related Data, Collected from JVA & Farmers for November 1997

FARM # 5	DA 21	UNIT # 132
Crop	Area du	Water Applied m^3
PEPPER	11 0	
EGGPLANT	4 0	
POTATO	9 0	
SQUASH	6 0	
Total	30 0	518 0

FARM # 6	DA 22	UNIT # 175
Crop	Area du	Water Applied m^3
CUCUMBER (C)	7 5	
TOMATO (C)	3 5	
Total	11 0	518 0

FARM # 7	DA 22	UNIT # 2
Crop	Area du	Water Applied m^3
STRAWBERRY(C)	23 5	
CUCUMBER (C)	15 0	
Total	38 5	1328 0

FARM # 8	DA 22	UNIT # 3
Crop	Area du	Water Applied m^3
PEPPER	25 0	
CABBAGE	25 0	
Total	50 0	1728 0

FARM # 9	DA 22	UNIT # 4
Crop	Area du	Water Applied m^3
TOMATO (C)	18 0	
EGGPLANT (C)	6 5	
ONION	10 0	
Total	34 5	1296 0

Appendix B Farms related Data, Collected from JVA & Farmers for November 1997

FARM #10	DA 22	UNIT # 39
Crop	Area du	Water Applied m^3
LETTUCE	30 0	1814 0

FARM # 11	DA 22	UNIT # 67
Crop	Area du	Water Applied m^3
CUCUMBER (C)	14 0	
TOMATO (C)	1 0	
PEPPER	8 0	
Total	23 0	2851 0

FARM #12	DA 22	UNIT # 177
Crop	Area du	Water Applied m^3
CUCUMBER (C)	10 0	
TOMATO (C)	7 5	
Total	17 5	518 0

FARM # 13	DA 22	UNIT # 265
Crop	Area du	Water Applied m^3
CITRUS	29 0	1814 0

FARM # 14	DA 22	UNIT # 266
Crop	Area du	Water Applied m^3
CITRUS	29 0	1037 0

FARM # 15	DA 22	UNIT # 294
Crop	Area du	Water Applied m^3
ONION	8 0	
TOMATO (C)	12 0	
Total	20 0	3100 0

Appendix B Farms related Data, Collected from JVA & Farmers for November 1997

FARM # 16	DA 23	UNIT # 117
Crop	Area du	Water Applied m^3
PEPPER	12 0	
TOMATO (C)	5 0	
CUCUMBER (C)	5 0	
Total	22 0	259 0

FARM # 17	DA 23	UNIT # 202
Crop	Area du	Water Applied m^3
GRAPES	31 0	
Total	31 0	259 0

FARM # 18	DA 23	UNIT # 216
Crop	Area du	Water Applied m^3
CUCUMBER (C)	6 5	
TOMATO (C)	3 0	
PEPPER (C)	1 5	
BEANS	2 0	
Total	13 0	300 0

FARM # 19	DA 23	UNIT # 221
Crop	Area du	Water Applied m^3
STRAWBERRY(C)	10 5	
TOMATO (C)	4 0	
EGGPLANT	2 5	
CITRUS	3 0	
Total	20 0	1924 0

FARM #20	DA 23	UNIT # 224
Crop	Area du	Water Applied m^3
POTATO	10 0	
CUCUMBER (C)	6 0	
SQUASH	2 0	
BEANS	3 0	
Total	21 0	4147 0

Appendix B Farms related Data, Collected from JVA & Farmers for November 1997

FARM # 21	DA 23	UNIT # 243
Crop	Area du	Water Applied m^3
EGGPLANT	10 0	
POTATO	20 0	
Total	30 0	778 0

FARM # 22	DA 23	UNIT # 249
Crop	Area du	Water Applied m^3
PEPPER (C)	6 5	
CUCUMBER (C)	8 0	
TOMATO (C)	4 0	
Total	18 5	0 0

FARM # 23	DA 24	UNIT # 51
Crop	Area du	Water Applied m^3
CITRUS	13 0	3111 0

FARM # 24	DA 24	UNIT # 76
Crop	Area du	Water Applied m^3
BEANS	8 0	
PEPPER	4 5	
EGGPLANT	12 0	
CUCUMBER (C)	4 5	
ONION	4 0	
POTATO	24 0	
SQUASH	8 0	
Total	65 0	518 0

FARM # 25	DA 25	UNIT # 4
Crop	Area du	Water Applied m^3
POTATO	15 0	
SQUASH	4 0	
ONION	4 0	
CUCUMBER (C)	3 5	
TOMATO (C)	3 5	
Total	30 0	3373 0

Appendix B Farms related Data, Collected from JVA & Farmers for November 1997

FARM # 26	DA 25	UNIT # 31
Crop	Area du	Water Applied m^3
PEPPER (C)	2 0	
CUCUMBER (C)	20 5	
POTATO	6 0	
Total	**28 5**	**0 0**

FARM # 27	DA 25	UNIT # 33
Crop	Area du	Water Applied m^3
POTATO	10 0	
SQUASH	8 0	
EGGPLANT	4 0	
PEPPER	2 0	
TOMATO (C)	6 0	
Total	30 0	3110 0

FARM # 28	DA 25	UNIT # 89
Crop	Area du	Water Applied m^3
EGGPLANT	8 0	
POTATO	8 0	
Alfalfa	12 0	
Total	**28 0**	**518 0**

FARM # 29	DA 25	UNIT # 116
Crop	Area du	Water Applied m^3
POTATO	22 0	
S BEAN	18 0	
Total	**40 0**	**1295 0**

FARM #30	DA 25	UNIT # 174
Crop	Area du	Water Applied m^3
POTATO	28 0	518 0

Appendix B Farms related Data, Collected from JVA & Farmers for November 1997

FARM # 31	DA 25	UNIT # 178
Crop	Area du	Water Applied m^3
SQUASH	16 0	
EGGPLANT	7 0	
BEANS	3 0	
Total	**26 0**	**0 0**

FARM # 32	DA 25	UNIT # 226
Crop	Area du	Water Applied m^3
CITRUS	30 0	3392 0

FARM # 33	DA 25	UNIT # 227
Crop	Area du	Water Applied m^3
APPLES	27 5	
GRAPES	2 5	
Total	**30 0**	**1180 0**

FARM # 34	DA 25	UNIT # 296
Crop	Area du	Water Applied m^3
SQUASH	10 0	
S BEAN	5 0	
EGGPLANT	3 0	
POTATO	3 0	
Total	**21 0**	**777 0**

FARM # 35	DA 26	UNIT # 26
Crop	Area du	Water Applied m^3
POTATO	15 0	
EGGPLANT	5 0	
SQUASH	15 0	
BEANS	5 0	
Total	**40 0**	**1276 0**

Appendix B Farms related Data, Collected from JVA & Farmers for November 1997

FARM # 36	DA 26	UNIT # 70
Crop	Area du	Water Applied m^3
POTATO	20 0	
BEANS	3 0	
EGGPLANT	10 0	
Total	**33 0**	**3120 0**

FARM # 37	DA 26	UNIT # 128
Crop	Area du	Water Applied m^3
GRAPES	55 0	0 0

FARM # 38	DA 26	UNIT # 138
Crop	Area du	Water Applied m^3
GRAPES	38 0	477 0

FARM # 39	DA 29	UNIT # 50
Crop	Area du	Water Applied m^3
ONION	36 0	2527 0

FARM # 40	DA 29	UNIT # 91
Crop	Area du	Water Applied m^3
BANANA	30 0	1382 0

FARM #41	DA 29	UNIT # 199
Crop	Area du	Water Applied m^3
BEANS (C)	18 0	
POTATO	12 0	
Total	**30 0**	**1037 0**

Appendix B Farms related Data, Collected from JVA & Farmers for November 1997

FARM # 42	DA 23	UNIT # 222
Crop	Area du	Water Applied m^3
ONION	5 0	
POTATO	5 0	
LETTUCE	4 0	
BEANS	4 0	
TOMATO (C)	3 0	
Total	21 0	

FARM # 43	DA 25	UNIT # 172
Crop	Area du	Water Applied m^3
TOMATO (C)	16 0	
POTATO	5 0	
Total	21 0	

FARM # 44	DA 25	UNIT # 298
Crop	Area du	Water Applied m^3
Wheat	37 0	
Broad BEAN	7 0	
Total	44 0	n a

FARM # 45	DA 25	UNIT # 94
Crop	Area du	Water Applied m^3
SQUASH	4 0	
PEPPER (T)	4 0	
POTATO	10 0	
Total	18 0	n a

FARM # 46	DA 21	UNIT # 91
Crop	Area du	Water Applied m^3
TOMATO (C)	25 0	n a

Appendix B Farms related Data, Collected from JVA & Farmers for November 1997

FARM # 47	DA 21	UNIT # 222
Crop	Area du	Water Applied m^3
POTATO	8 0	
SQUASH	12 0	
B BEAN	6 0	
Total	26 0	n a

FARM # 48	DA 21	UNIT # 119
Crop	Area du	Water Applied m^3
SQUASH	6 0	
CUCUMBER (C)	11 0	
TOMATO (C)	4 0	
Total	21 0	n a

FARM # 49	DA 25	UNIT # 45
Crop	Area du	Water Applied m^3
POTATO	15 0	
SQUASH	7 0	
EGGPLANT	5 0	
B BEAN	5 0	
Total	32 0	n a

FARM # 50	DA 25	UNIT # 94
Crop	Area du	Water Applied m^3
PEPPER	11 0	n a

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LATERAL LINES AND EMITTERS DATA SHEET 1

Farm 39/21 Date 9/12/97

Lateral	Lateral Pressure kPa (psi)			Contamination[1]
	Inlet	End	= I - E	
Head Block Area 0 75 Du Flowrate 1 --------- ------ 2 ----------				
1	8 2	8 2	0	2
2	8 5	8 2	0 3	2
3	9	8 6	0 4	2
4	9 3	9 1	0 2	2
Middle Block Area 1 65 Du Flowrate 1 ---------- 2 ----------				
1	4 8	5	-0 2	2
2	4 7	5 1	-0 4	2
3	5 2	5 5	-0 3	2
4	5 8	5 3	0 5	2
End Block Area 2 85 Du Flowrate 1 ---------- 2 ---- ----------				
1	4	4	0	2
2	4	4 1	-0 1	2
3	4	2 6	1 4	2
4	4 3	5 2	-0 9	2

1 Qualitative measure of lateral contamination rate of quantity of material flushed from the line

0 = none 1 = slight 2 = medium 3 = significant

Length of Irrigation

Head Block 1 5 hours/3 days

Middle Block 1 5 hours/3 days

End Block 1 5 hours/3 days

Comments

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EM TTER DISCHARGES DATA SHEET 2A HEAD BLOCK

Farm 39 Date 9/12/97 Lateral Age ----------

Location of Emmiters on Lateral		Location of Lateral on Submain Submain ID ϕ 63							
		Inlet Lateral ID ϕ 16		**1/3 Down** Lateral ID ϕ 16		**2/3 Down** Lateral ID --------		**End** Lateral ID --------	
		ml/ 1 min	mlps	ml/ 1 min	mlps	ml/ 1 min	mlps	ml/ 1 min	mlps
Inlet	A	38	0 63	40	0 67	42	0 70	42	0 70
	B	34	0 57	44	0 73	42	0 70	36	0 60
	Avg	36	0 60	42	0 70	42	0 70	39	0 65
1/3 Down	A	40	0 67	39	0 65	42	0 70	0	0 00
	B	36	0 60	40	0 67	40	0 67	42	0 70
	Avg	38	0 63	39 5	0 66	41	0 68	21	0 35
2/3 Down	A	44	0 73	40	0 67	34	0 57	38	0 63
	B	36	0 60	40	0 67	34	0 57	41	0 68
	Avg	40	0 67	40	0 67	34	0 57	39 5	0 66
End	A	36	0 60	36	0 60	23	0 38	40	0 67
	B	32	0 53	40	0 67	34	0 57	40	0 67
	Avg	34	0 57	38	0 63	28 5	0 48	40	0 67

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EMITTER DISCHARGES DATA SHEET 2B, MIDDLE BLOCK

Farm 39 Date 9/12/97 Lateral Age ----------

Location of Emmiters on Lateral		Location of Lateral on Submain, Submain ID ----------							
		Inlet Lateral ID ϕ 16		**1/3 Down** Lateral ID ϕ 16		**2/3 Down** Lateral ID ϕ 16		**End** Lateral ID ϕ 16	
		ml/ 1 min	mlps	ml/ 1 min	mlps	ml/ 1 min	mlps	ml/ 1 min	mlps
Inlet	A	28	0 47	25	0 42	30	0 50	28	0 47
	B	29	0 48	25	0 42	28	0 47	30	0 50
	Avg	28 5	0 48	25	0 42	29	0 48	29	0 48
1/3 Down	A	26	0 43	27	0 45	28	0 47	28	0 47
	B	26	0 43	26	0 43	29	0 48	30	0 50
	Avg	26	0 43	26 5	0 44	28 5	0 48	29	0 48
2/3 Down	A	26	0 43	34	0 57	26	0 43	30	0 50
	B	28	0 47	30	0 50	26	0 43	29	0 48
	Avg	27	0 45	32	0 53	26	0 43	29 5	0 49
End	A	43	0 72	28	0 47	27	0 45	28	0 47
	B	20	0 33	24	0 40	26	0 43	43	0 72
	Avg	31 5	0 53	26	0 43	26 5	0 44	35 5	0 59

EMITTER DISCHARGES DATA SHEET 2C END BLOCK

Farm 39 Date 9/12/97 Lateral Age ----------

Location of Emmiters on Lateral		Location of Lateral on Submain Submain ID ----------							
		Inlet Lateral ID --------		**1/3 Down** Lateral ID --------		**2/3 Down** Lateral ID --------		**End** Lateral ID --------	
		ml/ 1 min	mlps	ml/ 1 min	mlps	ml/ 1 min	mlps	ml/ 1 min	mlps
Inlet	A	20	0 33	16	0 27	40	0 67	24	0 40
	B	22	0 37	20	0 33	36	0 60	22	0 37
	Avg	21	0 35	18	0 30	38	0 63	23	0 38
1/3 Down	A	18	0 30	20	0 33	20	0 33	24	0 40
	B	16	0 27	18	0 30	24	0 40	26	0 43
	Avg	17	0 28	19	0 32	22	0 37	25	0 42
2/3 Down	A	22	0 37	22	0 37	15	0 25	28	0 47
	B	16	0 27	0	0 00	16	0 27	25	0 42
	Avg	19	0 32	11	0 18	15 5	0 26	26 5	0 44
End	A	20	0 33	22	0 37	12	0 20	0	0 00
	B	18	0 30	22	0 37	16	0 27	18	0 30
	Avg	19	0 32	22	0 37	14	0 23	9	0 15

LATERAL LINES AND EMITTERS DATA SHEET 1

Farm 89/21 Date 14/12/97

Lateral	Lateral Pressure kPa (psi)			Contamination[1]
	Inlet	End	= I - E	
Head Block Area 2 8 Du Flowrate 1 ----- - - -- --- 2 - - ----------				
1	3 6	4 6	1	1
2	3 8	4	-0 2	1
3	3	4 8	1 8	1
4	3 2	3 5	-0 3	1
Middle Block Area 2 5 Du Flowrate 1 ---------- 2 ----------				
1	7	5 2	1 8	0
2	4 6	4 2	0 4	1
3	4 4	4 6	-0 2	1
4	4 6	4 7	-0 1	1
End Block Area 1 5 Du Flowrate 1 -------- - -- - 2 ----------				
1	5	4 9	0 1	1
2	5 3	4 8	0 5	1
3	4 6	4 8	-0 2	1
4	4 5	4 7	0 2	1

1 Qualitative measure of lateral contamination rate of quantity of material flushed from the line

0 = none 1 = slight 2 = medium 3 = significant

Length of Irrigation

Head Block 2 hours/4 days

Middle Block 1 hours/4 days

End Block 1 hours/4 days

Comments

50

EM TTER DISCHARGES DATA SHEET 2A HEAD BLOCK

Fan 89/21 Date 14/12/97 Lateral Age ----------

Location of Emmiters on Lateral		Location of Lateral on Submain Submain ID ϕ 50							
		Inlet Lateral ID --------		**1/3 Down** Lateral ID --------		**2/3 Down** Lateral ID --------		**End** Lateral ID --------	
		ml/ min	mlps	ml/ min	mlps	ml/ min	mlps	ml/ min	mlps
Inlet	A	40	0 67	34	0 57	30	0 50	48	0 80
	B	36	0 60	32	0 53	34	0 57	32	0 53
	Avg	38	0 63	33	0 55	32	0 53	40	0 67
1/3 Down	A	32	0 53	40	0 67	32	0 53	38	0 63
	B	34	0 57	40	0 67	30	0 50	32	0 53
	Avg	33	0 55	40	0 67	31	0 52	35	0 58
2/3 Down	A	40	0 67	44	0 73	30	0 50	30	0 50
	B	32	0 53	40	0 67	32	0 53	32	0 53
	Avg	36	0 60	42	0 70	31	0 52	31	0 52
End	A	40	0 67	40	0 67	30	0 50	36	0 60
	B	42	0 70	42	0 70	32	0 53	30	0 50
	Avg	1	0 68	41	0 68	31	0 52	33	0 55

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EMI TER DISCHARGES, DATA SHEET 2B MIDDLE BLOCK

Farm 89/21 Date 14/12/97 Lateral Age ----------

Location of Emmiters on Lateral		Loca of Lateral on Submain, Submain ID ϕ 63							
		Inlet Lateral ID ϕ 16		**1/3 Down** Lateral ID ϕ 16		**2/3 Down** Lateral ID ϕ 16		**End** Lateral ID ϕ 16	
		ml/ min	mlps	ml/ min	mlps	ml/ min	mlps	ml/ min	mlps
Inlet	A	46	0 77	38	0 63	36	0 60	40	0 67
	B	42	0 70	42	0 70	36	0 60	40	0 67
	Avg	44	0 73	40	0 67	36	0 60	40	0 67
1/3 Down	A	34	0 57	32	0 53	38	0 63	34	0 57
	B	34	0 57	32	0 53	36	0 60	0	0 00
	Avg	34	0 57	32	0 53	37	0 62	17	0 28
2/3 Down	A	40	0 67	34	0 57	38	0 63	38	0 63
	B	38	0 63	33	0 55	39	0 65	34	0 57
	Avg	39	0 65	33 5	0 56	38 5	0 64	36	0 60
End	A	38 5	0 64	44	0 73	42	0 70	34	0 57
	B	90	1 50	44	0 73	0	0 00	36	0 60
	Avg	64 25	1 07	44	0 73	21	0 35	35	0 58

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EMITTER DISCHARGES DATA SHEET 2C END BLOCK

Farm 89/21 Date 14/12/97 Lateral Age ----------

Location of Emmiters on Lateral		Location of Lateral on Submain Submain ID ϕ 63							
		Inlet Lateral ID --------		**1/3 Down** Lateral ID --------		**2/3 Down** Lateral ID --------		**End** Lateral ID --------	
		ml/ min	mlps	ml/ min	mlps	ml/ min	mlps	ml/ min	mlps
Inlet	A	38	0 63	38	0 63	260	4 33	34	0 57
	B	41	0 68	34	0 57	114	1 90	35	0 58
	Avg	39 5	0 66	36	0 60	187	3 12	34 5	0 58
1/3 Down	A	38	0 63	38	0 63	34	0 57	36	0 60
	B	39	0 65	0	0 00	32	0 53	38	0 63
	Avg	38 5	0 64	19	0 32	33	0 55	37	0 62
2/3 Down	A	38	0 63	32	0 53	44	0 73	36	0 60
	B	38	0 63	32	0 53	28	0 47	37	0 62
	Avg	38	0 63	32	0 53	36	0 60	36 5	0 61
End	A	33	0 55	20	0 33	34	0 57	30	0 50
	B	0	0 00	0	0 00	36	0 60	0	0 00
	Avg	16 5	0 28	10	0 17	35	0 58	15	0 25

LATERAL LINES AND EMITTERS DATA SHEET 1

Farm 90/21 Date 29/11/97

Lateral	Lateral Pressure kPa (psi)			Contamination[1]
	Inlet	End	= I - E	
Head Block Area 1 526 Du Flowrate 1 ---------- 2 ----------				
1	6 1 psi	6 15 psi	-0 05	
2	4 9 psi	5 0 psi	-0 1	
3	4 0 psi	4 8 psi	-0 8	
4	4 0 psi	4 05 psi	-0 05	
Middle Block Area 1 628 Du Flowrate 1 ---------- 2 ----------				
1	7 2 psi	7 0 psi	0 2	
2	6 0 psi	9 0 psi	-3	
3	6 2 psi	6 8 psi	-0 6	
4	6 3 psi	6 8 psi	-0 5	
End Block Area 1 4 Du Flowrate 1 ---------- 2 ----------				
1		4 5 psi		
2		4 0 psi		
3		3 2 psi		
4	2 8 psi	3 2 psi		

1 Qualitative measure of lateral contamination, rate of quantity of material flushed from the line

0 = none 1 = slight 2 = medium 3 = significant

Length of Irrigation

Head Block zero hours*

Middle Block 4 hours/week

End Block zero hours*

Comments

* Rarely irrigated according to weather

EMITTER DISCHARGES DATA SHEET 2A HEAD BLOCK

Farm 90 Date 29/11/97 Lateral Age 10 years

Location of Emmiters on Lateral		Location of Lateral on Submain Submain ID ----------							
		Inlet Lateral ID --------		**1/3 Down** Lateral ID --------		**2/3 Down** Lateral ID --------		**End** Lateral ID --------	
		ml/ 1 min	mlps	ml/ 1 min	mlps	ml/ 1 min	mlps	ml/ 1 min	mlps
Inlet	A	70	1 17	38	0 63	36	0 60	40	0 67
	B	75	1 25	38	0 63	34	0 57	30	0 50
	Avg	72 5	1 21	38	0 63	35	0 58	35	0 58
1/3 Down	A	40	0 67	32	0 53	31	0 52	18	0 30
	B	45	0 75	32	0 53	34	0 57	29	0 48
	Avg	42 5	0 71	32	0 53	33	0 55	24 5	0 41
2/3 Down	A	50	0 83	34	0 57	35	0 58	32	0 53
	B	40	0 67	36	0 60	24	0 40	28	0 47
	Avg	45	0 75	35	0 58	29 5	0 49	30	0 50
End	A	45	0 75	34	0 57	40	0 67	50	0 83
	B	45	0 75	34	0 57	36	0 60	47	0 78
	Avg	45	0 75	34	0 57	38	0 63	48 5	0 81

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EMITTER DISCHARGES DATA SHEET 2B, MIDDLE BLOCK

Farm 90 Date 29/11/97 Lateral Age 10 years

Location of Emmiters on Lateral		Location of Lateral on Submain Submain ID ----------							
		Inlet Lateral ID 12 8		**1/3 Down** Lateral ID 12 8		**2/3 Down** Lateral ID 12 8		**End** Lateral ID 12 8	
		ml/ 1 min	mlps	ml/ 1 min	mlps	ml/ 1 min	mlps	ml/ 1 min	mlps
Inlet	A	46	0 77	44	0 73	38	0 63	42	0 70
	B	44	0 73	42	0 70	44	0 73	45	0 75
	Avg	45	0 75	43	0 72	41	0 68	43 5	0 73
1/3 Down	A	38	0 63	44	0 73	42	0 70	42	0 70
	B	46	0 77	40	0 67	42	0 70	45	0 75
	Avg	42	0 70	42	0 70	42	0 70	43 5	0 73
2/3 Down	A	42	0 70	46	0 77	44	0 73	40	0 67
	B	40	0 67	38	0 63	42	0 70	44	0 73
	Avg	41	0 68	42	0 70	43	0 72	42	0 70
End	A	42	0 70	44	0 73	52	0 87	42	0 70
	B	42	0 70	44	0 73	48	0 80	42	0 70
	Avg	42	0 70	44	0 73	50	0 83	42	0 70

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EMITTER DISCHARGES, DATA SHEET 2C, END BLOCK

Farm 90/21 Date 29/11/97 Lateral Age

Location of Emmiters on Lateral		Location of Lateral on Submain, Submain ID ----------							
		Inlet Lateral ID --------		**1/3 Down** Lateral ID --------		**2/3 Down** Lateral ID --------		**End** Lateral ID --------	
		ml/ 1 min	mlps	ml/ 1 min	mlps	ml/ 1 min	mlps	ml/ 1 min	mlps
Inlet	A	42	0 70	32	0 53	30	0 50	34	0 57
	B	30	0 50	31	0 52	29	0 48	28	0 47
	Avg	36	0 60	31 5	0 53	29 5	0 49	31	0 52
1/3 Down	A	40	0 67	32	0 53	29	0 48	32	0 53
	B	38	0 63	31 5	0 53	27	0 45	32	0 53
	Avg	39	0 65	31 75	0 53	28	0 47	32	0 53
2/3 Down	A	38	0 63	34	0 57	29	0 48	36	0 60
	B	36	0 60	33	0 55	30	0 50	32	0 53
	Avg	37	0 62	33 5	0 56	29 5	0 49	34	0 57
End	A	38	0 63	31	0 52	28	0 47	30	0 50
	B	40	0 67	31	0 52	28	0 47	30	0 50
	Avg	39	0 65	31	0 52	28	0 47	30	0 50

LATERAL LINES AND EMITTERS DATA SHEET 1

Farm 110/21 Date --------

Lateral	Lateral Pressure kPa (psi)			Contamination[1]
	Inlet	End	= I - E	
Head Block Area 1 764 Du Flowrate 1 ------- ------- - 2 - - - ----- --				
1	10 8	6 2	4 6	1
2	16 6	6 8	9 8	1
3	11 4	7 6	3 8	1
4	11 2	7 4	3 8	1
Middle Block Area 1 764 Du Flowrate 1 ---------- 2 ----- - ----------				
1	6 6	4 6	2	1
2	6	4 2	1 8	1
3	6	4 2	1 8	1
4	6 4	4	2 4	1
End Block Area 1 764 Du Flowrate 1 ---------- ---- 2 ----- - ------- --				
1	7 2	6	1 2	1
2	7	4	3	1
3	7	3 8	3 2	1
4	7	3 6	3 4	1

1 Qualitative measure of lateral contamination, rate of quantity of material flushed from the line

0 = none 1 = slight 2 = medium 3 = significant

Length of Irrigation

Head Block 4 hours/week

Middle Block 4 hours/week

End Block 4 hours/week

Comments

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EMITTER DISCHARGES, DATA SHEET 2A HEAD BLOCK

Farm 110 /21 Date ---------- Lateral Age ----------

Location of Emmiters on Lateral		Location of Lateral on Submain Submain ID ----------							
		Inlet Lateral ID --------		**1/3 Down** Lateral ID --------		**2/3 Down** Lateral ID --------		**End** Lateral ID --------	
		ml/ min	mlps	ml/ min	mlps	ml/ min	mlps	ml/ min	mlps
Inlet	A	48	0 80	68	1 13	42	0 70		
	B	48	0 80	48	0 80	40	0 67		
	Avg	48	0 80	58	0 97	41	0 68		
1/3 Down	A	53	0 88	48	0 80	33	0 55		
	B	50	0 83	52	0 87	32	0 53		
	Avg	5 5	0 86	50	0 83	32 5	0 54		
2/3 Down	A	52	0 87	50	0 83	34	0 57		
	B	54	0 90	50	0 83	10	0 17		
	Avg	53	0 88	50	0 83	22	0 37		
End	A	40	0 67	48	0 80	40	0 67		
	B	46	0 77	52	0 87	36	0 60		
	Avg	43	0 72	50	0 83	38	0 63		

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EMITTER DISCHARGES DATA SHEET 2B MIDDLE BLOCK

Farm 110/21 Date ---------- Lateral Age ----------

Location of Emmiters on Lateral		Location of Lateral on Submain Submain ID ----------							
		Inlet Lateral ID --------		**1/3 Down** Lateral ID --------		**2/3 Down** Lateral ID --------		**End** Lateral ID --------	
		ml/ min	mlps	ml/ min	mlps	ml/ min	mlps	ml/ min	mlps
Inlet	A	4[illegible]	0 73	48	0 80	50	0 83	46	0 77
	B	5[illegible]	0 83	44	0 73	46	0 77	42	0 70
	Avg	4[illegible]	0 78	46	0 77	48	0 80	44	0 73
1/3 Down	A	3[illegible]	0 60	40	0 67	36	0 60	37	0 62
	B	38	0 63	40	0 67	40	0 67	34	0 57
	Avg	37	0 62	40	0 67	38	0 63	35 5	0 59
2/3 Down	A	2[illegible]	0 47	43	0 72	46	0 77	28	0 47
	B	30	0 50	46	0 77	38	0 63	30	0 50
	Avg	29	0 48	44 5	0 74	42	0 70	29	0 48
End	A	26	0 43	38	0 63	30	0 50	134	2 23
	B	28	0 47	0	0 00	34	0 57	38	0 63
	Avg	27	0 45	19	0 32	32	0 53	86	1 43

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EMITTER DISCHARGES, DATA SHEET 2C END BLOCK

Farm 110/21 Date ---------- Lateral Age ----------

Location of Emmiters on Lateral		Location of Lateral on Submain Submain ID ----------							
		Inlet Lateral ID --------		**1/3 Down** Lateral ID --------		**2/3 Down** Lateral ID --------		**End** Lateral ID --------	
		ml/ min	mlps	ml/ min	mlps	ml/ min	mlps	ml/ min	mlps
Inlet	A	40	0 67	50	0 83	46	0 77	40	0 67
	B	44	0 73	50	0 83	50	0 83	42	0 70
	Avg	42	0 70	50	0 83	48	0 80	41	0 68
1/3 Down	A	38	0 63	30	0 50	38	0 63	175	2 92
	B	38	0 63	32	0 53	36	0 60	34	0 57
	Avg	38	0 63	31	0 52	37	0 62	104 5	1 74
2/3 Down	A	38	0 63	36	0 60	32	0 53	30	0 50
	B	26	0 43	38	0 63	32	0 53	30	0 50
	Avg	32	0 53	37	0 62	32	0 53	30	0 50
End	A	38	0 63	28	0 47	36	0 60	28	0 47
	B	20	0 33	29	0 48	36	0 60	32	0 53
	Avg	29	0 48	28 5	0 48	36	0 60	30	0 50

LATERAL LINES AND EMITTERS DATA SHEET 1

Farm 132//21 Date 30/11/97

Lateral	Lateral Pressure kPa (psi)			Contamination[1]
	Inlet	End	= I - E	
Head Block Area 1 914 Du Flowrate 1 ----- ------- -- 2 ----------				
1	6 0	4 0	2 0	
2	4 0	2 8	1 2	
3	2 0	1 2	0 8	
4	1 8	1 0	0 8	
Middle Block Area 1 5 Du Flowrate 1 ---------- 2 ----------				
1	5 2	2 0	3 2	
2	4 7	1 5	3 2	
3	4 1	2 0	2 1	
4	4 1	3 0	1 1	
End Block Area 1 8 Du Flowrate 1 ---------- ----- 2 ----------				
1	5 0	5 2	-0 2	
2	5 3	5 1	0 2	
3	5 2	5 8	-0 6	
4	5 2	4 0	1 2	

1 Qualitative measure of lateral contamination rate of quantity of material flushed from the line

0 = none 1 = slight 2 = medium 3 = significant

Length of Irrigation

Head Block -------- hours

Middle Block -------- hours

End Block -------- hours

Comments

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EMITTER DISCHARGES, DATA SHEET 2A HEAD BLOCK

Farm 132 Date 30/11/97 Lateral Age 9 years

Location of Emmiters on Lateral		Location of Lateral on Submain Submain ID ----------							
		Inlet Lateral ID --------		1/3 Down Lateral ID --------		2/3 Down Lateral ID --------		End Lateral ID --------	
		ml/ 1 min	mlps	ml/ 1 min	mlps	ml/ 1 min	mlps	ml/ 1 min	mlps
Inlet	A	28	0 47	28	0 47	36	0 60	42	0 70
	B	30	0 50	35	0 58	34	0 57	44	0 73
	Avg	29	0 48	31 5	0 53	35	0 58	43	0 72
1/3 Down	A	30	0 50	36	0 60	31	0 52	38	0 63
	B	37	0 62	24	0 40	10	0 17	42	0 70
	Avg	33 5	0 56	30	0 50	20 5	0 34	40	0 67
2/3 Down	A	30	0 50	18	0 30	32	0 53	38	0 63
	B	30	0 50	18	0 30	34	0 57	38	0 63
	Avg	30	0 50	18	0 30	33	0 55	38	0 63
End	A	30	0 50	90	1 50	33	0 55	26	0 43
	B	30	0 50	70	1 17	36	0 60	26	0 43
	Avg	30	0 50	80	1 33	34 5	0 58	26	0 43

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EMI TER DISCHARGES, DATA SHEET 2B, MIDDLE BLOCK

Farr 132 Date 30/11/97 Lateral Age 7 years

Location of Emmiters on Lateral		Location of Lateral on Submain Submain ID ----------							
		Inlet Lateral ID --------		1/3 Down Lateral ID --------		**2/3 Down** Lateral ID --------		**End** Lateral ID --------	
		ml/ 1 min	mlps	ml/ 1 min	mlps	ml/ 1 min	mlps	ml/ 1 min	mlps
Inlet	A	78	1 30	34	0 57	41	0 68	58	0 97
	B	26	0 43	38	0 63	104	1 73	25	0 42
	Avg	3 5	0 53	36	0 60	72 5	1 21	41 5	0 69
1/3 Down	A	6	0 27	33	0 55	38	0 63	300	5 00
	B	20	0 33	36	0 60	40	0 67	230	3 83
	Avg	8	0 30	34 5	0 58	39	0 65	265	4 42
2/3 Down	A	6	0 27	32	0 53	42	0 70	16	0 27
	B	6	0 27	34	0 57	25	0 42	50	0 83
	Avg	16	0 27	33	0 55	33 5	0 56	28	0 47
End	A	16	0 27	34	0 57	40	0 67	16	0 27
	B	16	0 27	28	0 47	38	0 63	24	0 40
	Avg	16	0 27	31	0 52	39	0 65	20	0 33

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EMITTER DISCHARGES, DATA SHEET 2C END BLOCK

Farm 132/ Date 30/11/97 Lateral Age 7 years

Location of Emmiters on Lateral		Location of Lateral on Submain Submain ID ----------							
		Inlet Lateral ID --------		**1/3 Down** Lateral ID --------		**2/3 Down** Lateral ID --------		**End** Lateral ID --------	
		ml/ 1 min	mlps	ml/ 1 min	mlps	ml/ 1 min	mlps	ml/ 1 min	mlps
Inlet	A	30	0 50	26 5	0 44	14	0 23	20	0 33
	B	30	0 50	27 5	0 46	16	0 27	12	0 20
	Avg	30	0 50	27	0 45	15	0 25	16	0 27
1/3 Down	A	30	0 50	15	0 25	19	0 32	22	0 37
	B	30	0 50	18	0 30	26	0 43	2	0 03
	Avg	30	0 50	16 5	0 28	22 5	0 38	12	0 20
2/3 Down	A	20	0 33	22	0 37	15	0 25	1	0 02
	B	22	0 37	16	0 27	0	0 00	1	0 02
	Avg	21	0 35	19	0 32	7 5	0 13	1	0 02
End	A	300	5 00	24	0 40	0	0 00	42	0 70
	B	110	1 83	28	0 47	0	0 00	18	0 30
	Avg	205	3 42	26	0 43	0	0 00	30	0 50

* Water does not reach the end of the lateral there is a leakage at the beginning of the lateral

LATERAL LINES AND EMITTERS DATA SHEET 1

Farm 3/22 Date 3/12/97

Lateral	Lateral Pressure kPa (psi)			Contamination[1]
	Inlet	End	= I - E	
Head Block Area 1 67 Du Flowrate 1 - ---- - - ----- 2 --- - - -------- -				
1	3 2	5 1	-1 9	
2	3	5	-2	
3	2 5	4 8	-2 3	
4	2 2	4 7	-2 5	
Middle Block Area ---------- Du Flowrate 1 ---------- 2 ----------				
1	7 4	8 2	-0 8	
2	6 4	7 2	-0 8	
3	6 2	7 4	-1 2	
4	6 5	6	0 5	
End Block Area 1 2 Du Flowrate 1 -- - -------- -- 2 ---------- ------				
1	12 5	13	-0 5	
2	13	13	0	
3	13	12 5	0 5	
4	13 5	11	2 5	

1 Qualitative measure of lateral contamination rate of quantity of material flushed from the line

0 = none 1 = slight 2 = medium 3 = significant

Length of Irrigation

Head Block 2 hours/week

Middle Block 2 hours/week

End Block 2 hours/week

Comments

THE FILTERS WERE NOT CLEAN WHEN THE READINGS WERE TAKEN (LAST STAGE)

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EM TTER DISCHARGES DATA SHEET 2A, HEAD BLOCK

Farm 3 Date 3/12/97 Lateral Age ----------

Location of Emmiters on Lateral		Location of Lateral on Submain, Submain ID ----------							
		Inlet L teral ID --------		**1/3 Down** Lateral ID --------		**2/3 Down** Lateral ID --------		**End** Lateral ID --------	
		ml/ 1 min	mlps	ml/ 1 min	mlps	ml/ 1 min	mlps	ml/ 1 min	mlps
Inlet	A	210 (ϕ 20)	3 50	20 (ϕ 16)	0 33	18 (ϕ 16)	0 30	18	0 30
	B	270	4 50	26	0 43	24	0 40	20	0 33
	Avg	135	2 25	23	0 38	21	0 35	19	0 32
1/3 Down	A	20 (ϕ 20)	0 33	32 (ϕ 16)	0 53	202 (ϕ 20)	3 37	130	2 17
	B	56	0 93	15	0 25	18	0 30	0	0 00
	Avg	38	0 63	23 5	0 39	110	1 83	65	1 08
2/3 Down	A	27 (ϕ 20)	0 45	36 (ϕ 20)	0 60	40 (ϕ 20)	0 67	46 (ϕ 20)	0 77
	B	20	0 33	34	0 57	0	0 00	43	0 72
	Avg	23 5	0 39	35	0 58	20	0 33		0 74
End	A	22 (ϕ 20)	0 37	16 (ϕ 20)	0 27	30 (ϕ 16)	0 50	34 (ϕ 16)	0 57
	B	18	0 30	6	0 10	26	0 43	0	0 00
	Avg	25	0 33	11	0 18	28	0 47	17	0 28

EMI TER DISCHARGES, DATA SHEET 2B MIDDLE BLOCK

Farr 3 Date 3/12/97 Lateral Age ----------

Location of Emmiters on Lateral		Location of Lateral on Submain Submain ID ----------							
		Inlet L teral ID --------		**1/3 Down** Lateral ID --------		**2/3 Down** Lateral ID --------		**End** Lateral ID --------	
		ml/ min	mlps	ml/ min	mlps	ml/ min	mlps	ml/ min	mlps
Inlet	A	32 (ϕ 20)	0 53	32 (ϕ 16)	0 53	32 (ϕ 16)	0 53	40 (ϕ 16)	0 67
	B	32 (ϕ 20)	0 53	34 (ϕ 16)	0 57	33 (ϕ 16)	0 55	40 (ϕ 16)	0 67
	Avg	32	0 53	33	0 55	32 5	0 54	40	0 67
1/3 Down	A	34 (ϕ 20)	0 57	36 (ϕ 16)	0 60	21 (ϕ 16)	0 35	26 (ϕ 16)	0 43
	B	32 (ϕ 20)	0 53	36 (ϕ 16)	0 60	24 (ϕ 16)	0 40	27 (ϕ 16)	0 45
	Avg	33	0 55	36	0 60	22 5	0 38	26 5	0 44
2/3 Down	A	18 (ϕ 20)	0 30	30 (ϕ 16)	0 50	34 (ϕ 16)	0 57	42 (ϕ 20)	0 70
	B	34 (ϕ 20)	0 57	26 (ϕ 16)	0 43	32 (ϕ 16)	0 53	0	0 00
	Avg	26	0 43	29	0 48	33	0 55	21	0 35
End	A	34 (ϕ 20)	0 57	90 (ϕ 16)	1 50	34 (ϕ 16)	0 57	38 (ϕ 20)	0 63
	B	30 (ϕ 20)	0 50	36 (ϕ 16)	0 60	0	0 00	26 (ϕ 20)	0 43
	Avg	32	0 53	63	1 05	17	0 28	32	0 53

EMITTER DISCHARGES DATA SHEET 2C END BLOCK

Farm 3/22 Date 3/12/97 Lateral Age ----------

Location of Emmiters on Lateral		Location of Lateral on Submain Submain ID ----------							
		Inlet Lateral ID --------		1/3 Down Lateral ID --------		2/3 Down Lateral ID --------		**End** Lateral ID --------	
		ml/ min	mlps	ml/ min	mlps	ml/ min	mlps	ml/ min	mlps
Inlet	A	38 (ϕ 16)	0 63	42 (ϕ 16)	0 70	42 (ϕ 20)	0 70	0	0 00
	B	36 (ϕ 16)	0 60	38 (ϕ 16)	0 63	42 (ϕ 20)	0 70	0	0 00
	Avg	37	0 62	40	0 67	42	0 70	0	0 00
1/3 Down	A	46 (ϕ 16)	0 77	42 (ϕ 16)	0 70	42 (ϕ 20)	0 70	188 (ϕ 20)	3 13
	B	38 (ϕ 16)	0 63	42 (ϕ 16)	0 70	32 (ϕ 20)	0 53	208 (ϕ 20)	3 47
	Avg	44	0 73	42	0 70	37	0 62	198	3 30
2/3 Down	A	48 (ϕ 16)	0 80	42 (ϕ 16)	0 70	45 (ϕ 20)	0 75	364 (ϕ 20)	6 07
	B	46 (ϕ 16)	0 77	26 (ϕ 16)	0 43	42 (ϕ 20)	0 70	80 (ϕ 20)	1 33
	Avg	47	0 78	34	0 57	43 5	0 73	222	3 70
End	A	34 (ϕ 16)	0 57	0	0 00	44 (ϕ 20)	0 73	50 (ϕ 20)	0 83
	B	0	0 00	31 (ϕ 16)	0 52	43 (ϕ 20)	0 72	120 (ϕ 20)	2 00
	Avg	17	0 28	15 5	0 26	43 5	0 73	85	1 42

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LATERAL LINES AND EMITTERS DATA SHEET 1

Farm 2/22 Date 9/12/97

Lateral	Lateral Pressure kPa (psi)			Contamination[1]
	Inlet	End	= I - E	
Head Block Area 1 0 Du Flowrate 1 ---------- 2 ----------				
1	12	6	6	2
2	12 2	8 1	4 1	2
3	11 7	7	4 7	2
4	11 5	10 2	1 3	2
Middle Block Area 2 0 Du Flowrate 1 ---------- 2 ----------				
1	10 6	9 4	1 2	2
2	10	9 3	0 7	2
3	10 1	8 6	1 5	2
4	10 6	9 5	1 1	2
End Block Area 2 5 Du Flowrate 1 ------ --------- 2 ----------				
1	5 5	7	-1 5	
2	4 5	6 2	-1 7	
3	3 5	5 5	-2	
4	3 8	5 7	-1 9	

1 Qualitative measure of lateral contamination rate of quantity of material flushed from the line

0 = none 1 = slight 2 = medium 3 = significant

Length of Irrigation

Head Block 1 hours / 4 days

Middle Block 1 hours / 4 days

End Block 2 hours / 4 days

Comments

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EMITTER DISCHARGES DATA SHEET 2A HEAD BLOCK

Farm 2 Date 9/12/97 Lateral Age ----------

Location of Emmiters on Lateral		Location of Lateral on Submain Submain ID ϕ 63							
		Inlet Lateral ID ϕ 16		**1/3 Down** Lateral ID ϕ 16		**2/3 Down** Lateral ID ϕ 16		**End** Lateral ID ϕ 16	
		ml/ 1 min	mlps	ml/ 1 min	mlps	ml/ 1 min	mlps	ml/ 1 min	mlps
Inlet	A	110	1 83	114	1 90	94	1 57	120	2 00
	B	110	1 83	112	1 87	94	1 57	56	0 93
	Avg	110	1 83	113	1 88	94	1 57	88	1 47
1/3 Down	A	74	1 23	50	0 83	0	0 00	82	1 37
	B	72	1 20	48	0 80	86	1 43	84	1 40
	Avg	73	1 22	49	0 82	43	0 72	83	1 38
2/3 Down	A	54	0 90	46	0 77	56	0 93	70	1 17
	B	54	0 90	50	0 83	76	1 27	61	1 02
	Avg	54	0 90	48	0 80	66	1 10	65 5	1 09
End	A	28	0 47	40	0 67	72	1 20	48	0 80
	B	8	0 13	46	0 77	0	0 00	40	0 67
	Avg	18	0 30	43	0 72	36	0 60	44	0 73

EMIT ER DISCHARGES DATA SHEET 2B, MIDDLE BLOCK

Farm 2 Date 9/12/97 Lateral Age ----------

Location of Emmiters on Lateral		Location of Lateral on Submain Submain ID 63 cm							
		Inlet Lateral ID ϕ 18		**1/3 Down** Lateral ID ϕ 18		**2/3 Down** Lateral ID --------		**End** Lateral ID --------	
		ml/ 1 min	mlps	ml/ 1 min	mlps	ml/ 1 min	mlps	ml/ 1 min	mlps
Inlet	A	32	0 53	34	0 57	32	0 53	30	0 50
	B	32	0 53	36	0 60	30	0 50	32	0 53
	Avg	32	0 53	35	0 58	31	0 52	31	0 52
1/3 Down	A	34	0 57	34	0 57	34	0 57	32	0 53
	B	34	0 57	14	0 23	33	0 55	0	0 00
	Avg	34	0 57	24	0 40	33 5	0 56	16	0 27
2/3 Down	A	36	0 60	31	0 52	32	0 53	38	0 63
	B	28	0 47	27	0 45	31	0 52	36	0 60
	Avg	32	0 53	29	0 48	31 5	0 53	37	0 62
End	A	30	0 50	30	0 50	24	0 40	36	0 60
	B	24	0 40	36	0 60	32	0 53	4	0 07
	Avg	27	0 45	33	0 55	28	0 47	20	0 33

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EMITTER DISCHARGES, DATA SHEET 2C, END BLOCK

Farm 2 Date 9/12/97 Lateral Age 1 year

Location of Emmiters on Lateral		Location of Lateral on Submain, Submain ID ----------							
		Inlet Lateral ID ϕ 18		**1/3 Down** Lateral ID ϕ 18		**2/3 Down** Lateral ID ϕ 18		**End** Lateral ID ϕ 18	
		ml/ min	mlps	ml/ 1 min	mlps	ml/ 1 min	mlps	ml/ 1 min	mlps
Inlet	A	16	0 27	10	0 17	14	0 23	12	0 20
	B	7	0 28	18	0 30	18	0 30	5	0 08
	Avg	16 5	0 28	14	0 23	16	0 27	8 5	0 14
1/3 Down	A	6	0 27	10	0 17	14	0 23	12	0 20
	B	4	0 23	20	0 33	12	0 20	0	0 00
	Avg	5	0 25	15	0 25	13	0 22	6	0 10
2/3 Down	A	20	0 33	16	0 27	18	0 30	2	0 03
	B	10	0 17	20	0 33	22	0 37	5	0 08
	Avg	15	0 25	18	0 30	20	0 33	3 5	0 06
End	A	22	0 37	28	0 47	15	0 25	10	0 17
	B	24	0 40	26	0 43	22	0 37	18	0 30
	Avg	23	0 38	27	0 45	18 5	0 31	14	0 23

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EMITTER DISCHARGES, DATA SHEET 2A HEAD BLOCK

Farm 4/22 Date 13/12/97 Lateral Age -------- -----

Location of Emmiters on Lateral		Location of Lateral on Submain, Submain ID ϕ 50							
		Inlet Lateral ID ϕ 20		**1/3 Down** Lateral ID ϕ 20		**2/3 Down** Lateral ID ϕ 20		**End** Lateral ID ϕ 20	
		ml/ min	mlps	ml/ min	mlps	ml/ min	mlps	ml/ min	mlps
Inlet	A	64	1 07	68	1 13	62	1 03	70	1 17
	B	66	1 10	68	1 13	64	1 07	68	1 13
	Avg	65	1 08	68	1 13	63	1 05	69	1 15
1/3 Down	A	60	1 00	66	1 10	58	0 97	64	1 07
	B	62	1 03	62	1 03	60	1 00	68	1 13
	Avg	61	1 02	64	1 07	59	0 98	66	1 10
2/3 Down	A	64	1 07	66	1 10	70	1 17	68	1 13
	B	62	1 03	62	1 03	68	1 13	68	1 13
	Avg	63	1 05	64	1 07	69	1 15	68	1 13
End	A	54	0 90	64	1 07	68	1 13	62	1 03
	B	60	1 00	62	1 03	70	1 17	64	1 07
	Avg	57	0 95	63	1 05	69	1 15	63	1 05

EMITTER DISCHARGES, DATA SHEET 2B, MIDDLE BLOCK

Farm 4/22 Date 13/12/97 Lateral Age ----------

Location of Emmiters on Lateral		Location of Lateral on Submain Submain ID ϕ 50							
		Inlet Lateral ID ϕ 20		1/3 Down Lateral ID ϕ 20		2/3 Down Lateral ID ϕ 20		**End** Lateral ID ϕ 20	
		ml/ min	mlps	ml/ min	mlps	ml/ min	mlps	ml/ min	mlps
Inlet	A	5	0 08	50	0 83	68	1 13	50	0 83
	B	76	1 27	70	1 17	72	1 20	50	0 83
	Avg	40 5	0 68	60	1 00	70	1 17	50	0 83
1/3 Down	A	48	0 80	62	1 03	72	1 20	62	1 03
	B	50	0 83	64	1 07	68	1 13	60	1 00
	Avg	49	0 82	63	1 05	70	1 17	61	1 02
2/3 Down	A	42	0 70	60	1 00	64	1 07	60	1 00
	B	30	0 50	54	0 90	62	1 03	62	1 03
	Avg	36	0 60	57	0 95	63	1 05	61	1 02
End	A	58	0 97	68	1 13	60	1 00	52	0 87
	B	58	0 97	62	1 03	62	1 03	0	0 00
	Avg	58	0 97	65	1 08	61	1 02	26	0 43

EMITTER DISCHARGES DATA SHEET 2C END BLOCK

Farm 4/22 Date 13/12/97 Lateral Age ------ -------

Location of Emmiters on Lateral		Location of Lateral on Submain Submain ID ϕ 50							
		Inlet Lateral ID ϕ 20		**1/3 Down** Lateral ID ϕ 20		**2/3 Down** Lateral ID ϕ 20		**End** Lateral ID ϕ 20	
		ml/ min	mlps	ml/ min	mlps	ml/ min	mlps	ml/ min	mlps
Inlet	A	66	1 10	68	1 13	64	1 07	68	1 13
	B	66	1 10	68	1 13	68	1 13	68	1 13
	Avg	66	1 10	68	1 13	66	1 10	68	1 13
1/3 Down	A	64	1 07	62	1 03	64	1 07	62	1 03
	B	66	1 10	64	1 07	62	1 03	62	1 03
	Avg	65	1 08	63	1 05	63	1 05	62	1 03
2/3 Down	A	58	0 97	52	0 87	64	1 07	62	1 03
	B	62	1 03	52	0 87	64	1 07	64	1 07
	Avg	60	1 00	52	0 87	64	1 07	63	1 05
End	A	54	0 90	62	1 03	64	1 07	62	1 03
	B	62	1 03	62	1 03	64	1 07	64	1 07
	Avg	58	0 97	62	1 03	64	1 07	63	1 05

LATERAL LINES AND EMITTERS DATA SHEET 1

Farm 39/22 Date 11/12/97

Lateral	Lateral Pressure kPa (psi)			Contamination[1]
	Inlet	End	= I - E	
Head Block Area 2 5 Du Flowrate 1 ---- ---------- 2 ----------				
1	17 5	13	4 5	0
2	15 5	13	2 5	0
3	14 2	12 6	1 6	0
4	14 6	13 5	1 1	0
Middle Block Area 2 0 Du Flowrate 1 ---------- 2 ----------				
1	5 2	3 8	1 4	0
2	4 8	3	1 8	0
3	4 6	3 5	1 1	0
4	4 5	3 7	0 8	0
End Block Area 2 0 Du Flowrate 1 -------- ------- 2 ----------				
1	14 5	6 4	8 1	0
2	12 5	6 5	6	0
3	11 5	5	6 5	0
4	11	6	5	0

1 Qualitative measure of lateral contamination rate of quantity of material flushed from e line

0 = none 1 = slight 2 = medium 3 = significant

Length of Irrigation

Head Block 4 hours/week

Middle Block 4 hours/week

End Block 4 hours/week

Comments

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EM'TTER DISCHARGES DATA SHEET 2A HEAD BLOCK

Far 1 39 Date 11/12/97 Lateral Age ----------

Location of Emmiters on Lateral		Locat of Lateral on Submain, Submain ID ϕ 63							
		Inlet ateral ID ϕ 20		1/3 Down Lateral ID ϕ 20		2/3 Down Lateral ID ϕ 20		End Lateral ID --------	
		ml min	mlps	ml/ min	mlps	ml/ min	mlps	ml/ min	mlps
Inlet	A	70	1 17	60	1 00	52	0 87	52	0 87
	B	30	0 50	0	0 00	50	0 83	10	0 17
	Avg	50	0 83	30	0 50	51	0 85	31	0 52
1/3 Down	A	62	1 03	52	0 87	38	0 63	44	0 73
	B	0	0 00	62	1 03	50	0 83	38	0 63
	Avg	31	0 52	57	0 95	44	0 73	41	0 68
2/3 Down	A	38	0 63	34	0 57	44	0 73	30	0 50
	B	60	1 00	46	0 77	38	0 63	46	0 77
	Avg	49	0 82	40	0 67	41	0 68	38	0 63
End	A	50	0 83	0	0 00	30	0 50	44	0 73
	B	54	0 90	38	0 63	0	0 00	44	0 73
	Avg	52	0 87	19	0 32	15	0 25	44	0 73

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EMITTER DISCHARGES DATA SHEET 2B MIDDLE BLOCK

Farm 39 Date 11/12/97 Lateral Age ----------

Location of Emmiters on Lateral		Location of Lateral on Submain Submain ID ϕ 63							
		Inlet Lateral ID ϕ 16		**1/3 Down** Lateral ID ϕ 16		**2/3 Down** Lateral ID ϕ 20		**End** Lateral ID --------	
		ml/ min	mlps	ml/ min	mlps	ml/ min	mlps	ml/ min	mlps
Inlet	A	58	0 97	50	0 83	56	0 93	28	0 47
	Б	54	0 90	44	0 73	64	1 07	32	0 53
	Avg	56	0 93	47	0 78	60	1 00	30	0 50
1/3 Down	A	44	0 73	40	0 67	52	0 87	26	0 43
	B	42	0 70	48	0 80	60	1 00	28	0 47
	Avg	43	0 72	44	0 73	56	0 93	27	0 45
2/3 Down	A	50	0 83	46	0 77	28	0 47	36	0 60
	E	40	0 67	44	0 73	32	0 53	32	0 53
	Avg	45	0 75	45	0 75	30	0 50	34	0 57
End	A	48	0 80	46	0 77	50	0 83	28	0 47
	B	46	0 77	52	0 87	52	0 87	30	0 50
	Avg	47	0 78	49	0 82	51	0 85	29	0 48

EMITTER DISCHARGES, DATA SHEET 2C END BLOCK

Farm 39 Date 11/12/97 Lateral Age ----------

Location of Emmiters on Lateral		Location of Lateral on Submain, Submain ID ----------							
		Inlet Lateral ID ϕ 16		**1/3 Down** Lateral ID ϕ 16		**2/3 Down** Lateral ID ϕ 20		**End** Lateral ID ϕ 16	
		ml/ min	mlps	ml/ min	mlps	ml/ min	mlps	ml/ min	mlps
Inlet	A	56	0 93	106	1 77	100	1 67	52	0 87
	B	60	1 00	106	1 77	82	1 37	50	0 83
	Avg	58	0 97	106	1 77	91	1 52	51	0 85
1/3 Down	A	44	0 73	88	1 47	88	1 47	44	0 73
	B	46	0 77	98	1 63	88	1 47	42	0 70
	Avg	45	0 75	93	1 55	88	1 47	43	0 72
2/3 Down	A	34	0 57	92	1 53	66	1 10	42	0 70
	B	44	0 73	88	1 47	60	1 00	40	0 67
	Avg	39	0 65	90	1 50	63	1 05	41	0 68
End	A	44	0 73	88	1 47	86	1 43	38	0 63
	B	44	0 73	88	1 47	78	1 30	38	0 63
	Avg	44	0 73	88	1 47	82	1 37	38	0 63

LATERAL LINES AND EMITTEPS DATA SHEET 1

Farm 67/22 Date 2/12/97

Lateral	Lateral Pressure kPa (psi) Inlet		End		= I - E		Contamination[1]
Head Block Area 4 Du Flowrate 1 ---------- ---- 2 - ---------- -----							
	(ϕ 20)	(ϕ 16)	(ϕ 20)	(ϕ 16)			
1	14	14	10	8	4	6	
2	12 8	12 5	6	7 5	6 8	5 0	
3	12	12	10	7 5	2	4 5	
4	10	11 5	11 5	8 5	-1 5	3 0	
Middle Block Area 2 Du Flowrate 1 ---------- 2 ----------							
	(ϕ 20)	(ϕ 16)	(ϕ 20)	(ϕ 16)			
1	11	11	10 5	6	0 5	5 0	
2	10	10	10 3	5 5	-0 3	4 5	
3	9 5	9 5	8	7	1 5	2 5	
4	10 5	10 5	12	10	-1 5	0 5	
End Block Area -------- -- - Du Flowrate 1 -- ----- --- -- 2 ---------- - ----							
1	8 7		7		1 7		
2	8 3		7 4		0 9		
3	8 5		7 4		1 1		
4	8 5		6		2 5		

1 Qualitative measure of lateral contamination rate of quantity of material flushed from the line

0 = none 1 = slight 2 = medium 3 = significant

Length of Irrigation

Head Block 1 hour/week

Middle Block 1 hour/week

End Block 2-3 hours/week

Comments

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EMITTER DISCHARGES DATA SHEET 2A, HEAD BLOCK

Farm 67 Date 2/12/97 Lateral Age ----------

Location of Emmiters on Lateral		Location of Lateral on Submain Submain ID ----------									
		Inlet Lateral ID --------			**1/3 Down** Lateral ID --------		**2/3 Down** Lateral ID --------			**End** Lateral ID --------	
		m	min	mlps	ml/	min	mlps	ml/	min	mlps	ml/	min	mlps
		ϕ 16	ϕ 20		ϕ 16	ϕ 20		ϕ 16	ϕ 20		ϕ 16	ϕ 20	
Inlet	A	48	0		32	0		38	24		60	44	
	B	48	42		52	26		38	20		58	46	
	Avg	48	21		44	13		38	22		59	45	
1/3 Down	A	40	0		48	0		46	40		56	32	
	B	36	36		54	0		46	0		52	0	
	Avg	38	18		51	0		46	20		54	16	
2/3 Down	A	42	38		52	0		42	36		26	0	
	B	40	38		140	10		42	0		36	14	
	Avg	41	38		96	5		42	18		31	7	
End	A	40	0		52	0		42	36		22	0	
	B	46	18		46	28		40	0		24	0	
	Avg	43	9		49	14		41	18		23	0	

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EMITTER DISCHARGES, DATA SHEET 2B, MIDDLE BLOCK

Farm 67 Date 2/12/97 Lateral Age ----------

Location of Emmiters on Lateral		Location of Lateral on Submain Submain ID ----------							
		Inlet Lateral ID --------		1/3 Down Lateral ID --- --		2/3 Down Lateral ID --------		End Lateral ID --------	
		ml/ min	mlps	ml/ min	mlps	ml/ min	mlps	ml/ min	mlps
		ϕ 16 ϕ 20		ϕ 16 ϕ 20		ϕ 16 ϕ 20		ϕ 16 ϕ 20	
Inlet	A	90 46		90 42		40 42		72 34	
	B	94 44		88 40		84 46		64 35	
	Avg	92 45		89 41		62 44		68 34 5	
1/3 Down	A	74 48		68 32		70 26		62 0	
	B	76 50		68 30		65 28		0 38	
	Avg	75 49		68 31		67 5 27		31 19	
2/3 Down	A	70 46		0 34		70 0		0 0	
	B	56 49		58 34		0 26		0 3	
	Avg	63 47 5		29 34		35 13		0 1 5	
End	A	56 32		0 0		34 30		56 0	
	B	0 0		48 24		60 32		78 0	
	Avg	28 16		24 12		47 31		67 0	

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EMITTER DISCHARGES DATA SHEET 2C END BLOCK

Farm 67/22 Date 2/12/97 Lateral Age ----------

Location of Emmiters on Lateral		Location of Lateral on Submain Submain ID ----------							
		Inlet Lateral ID --------		1/3 Down Lateral ID --------		2/3 Down Lateral ID --------		End Lateral ID --------	
		ml/ min	mlps	ml/ min	mlps	ml/ min	mlps	ml/ min	mlps
Inlet		ϕ 20		ϕ 20		ϕ 20		ϕ 16	
	A	36	0 60	0	0 00	42	0 70	22	0 37
	B	32	0 53	46	0 77	42	0 70	30	0 50
	Avg	34	0 57	23	0 38	42	0 70	26	0 43
1/3 Down	A	32	0 53	46	0 77	36	0 60	28	0 47
	B	28	0 47	62	1 03	38	0 63	28	0 47
	Avg	30	0 50	54	0 90	37	0 62	28	0 47
2/3 Down	A	32	0 53	0	0 00	32	0 53	30	0 50
	B	36	0 60	0	0 00	32	0 53	30	0 50
	Avg	34	0 57	0	0 00	32	0 53	30	0 50
End	A	38	0 63	38	0 63	0	0 00	20	0 33
	B	34	0 57	14	0 23	55	0 92	0	0 00
	Avg	36	0 60	26	0 43	27 5	0 46	10	0 17

LATERAL LINES AND EMITTERS DATA SHEET 1

Farm 175/22 Date 11/12/97

Lateral	Lateral Pressure kPa (psi)			Contamination
	Inlet	End	= I - E	
Head Block Area 1 7 Du Flowrate 1 ---------- 2 ----------				
1	16	15	1	0
2	15 8	15	0 8	0
3	17 8	11 5	6 3	0
4	17 2	12 2	5	0
Middle Block Area 1 7 Du Flowrate 1 ---------- 2 ----------				
1	8 2	8 2	0	0
2	7 8	8	-0 2	0
3	7 8	8 2	-0 4	0
4	8	8 2	-0 2	0
End Block Area 3 Du Flowrate 1 ---------- 2 ----------				
1	6 4	3 5	2 9	0
2	5 2	3	2 2	0
3	4 6	2 8	1 8	0
4	4 6	2 8	1 8	0

1 Qualitative measure of lateral contamination rate of quantity of material flushed from the line

0 = none 1 = slight 2 = medium 3 = significant

Length of Irrigation

Head Block -------- hours

Middle Block -- -- hours

End Block -------- hours

Comments

85

EMITTER DISCHARGES DATA SHEET 2A HEAD BLOCK

Farm 175/22 Date 11/12/97 Lateral Age ----------

Location of Emmiters on Lateral		Location of Lateral on Submain Submain ID ----------							
		Inlet Lateral ID 20		**1/3 Down** Lateral ID 20		**2/3 Down** Lateral ID 20		**End** Lateral ID 20	
		ml/ min	mlps	ml/ min	mlps	ml/ min	mlps	ml/ min	mlps
Inlet	A	88	1 47	36	0 60	48	0 80	48	0 80
	B	46	0 77	41	0 68	50	0 83	46	0 77
	Avg	67	1 12	38 5	0 64	49	0 82	47	0 78
1/3 Down	A	47	0 78	36	0 60	36	0 60	48	0 80
	B	47	0 78	46	0 77	42	0 70	74	1 23
	Avg	47	0 78	41	0 68	39	0 65	61	1 02
2/3 Down	A	46	0 77	44	0 73	38	0 63	38	0 63
	B	40	0 67	50	0 83	42	0 70	34	0 57
	Avg	43	0 72	47	0 78	40	0 67	36	0 60
End	A	50	0 83	48	0 80	44	0 73	40	0 67
	B	48	0 80	80	1 33	0	0 00	50	0 83
	Avg	49	0 82	64	1 07	22	0 37	45	0 75

EMITTER DISCHARGES DATA SHEET 2B MIDDLE BLOCK

Farm 175/22 Date 11/12/97 Lateral Age ----------

Location of Emmiters on Lateral		Location of Lateral on Submain Submain ID ----------							
		Inlet Lateral ID 20		**1/3 Down** Lateral ID 20		**2/3 Down** Lateral ID 20		**End** Lateral ID 20	
		ml/ min	mlps	ml/ min	mlps	ml/ min	mlps	ml/ min	mlps
Inlet	A	30	0 50	24	0 40	28	0 47	24	0 40
	B	30	0 50	26	0 43	26	0 43	30	0 50
	Avg	30	0 50	25	0 42	27	0 45	27	0 45
1/3 Down	A	26	0 43	26	0 43	26	0 43	28	0 47
	B	26	0 43	30	0 50	44	0 73	32	0 53
	Avg	26	0 43	28	0 47	35	0 58	30	0 50
2/3 Down	A	26	0 43	27	0 45	23	0 38	30	0 50
	B	24	0 40	23	0 38	24	0 40	30	0 50
	Avg	25	0 42	25	0 42	23 5	0 39	30	0 50
End	A	26	0 43	30	0 50	28	0 47	0	0 00
	B	24	0 40	24	0 40	28	0 47	0	0 00
	Avg	25	0 42	27	0 45	28	0 47	0	0 00

EMITTER DISCHARGES, DATA SHEET 2C END BLOCK

Farm 175/22 Date 11/12/97 Lateral Age ----------

Location of Emmiters on Lateral		Location of Lateral on Submain Submain ID ----------							
		Inlet Lateral ID 20		**1/3 Down** Lateral ID 20		**2/3 Down** Lateral ID 20		**End** Lateral ID 20	
		ml/ min	mlps	ml/ min	mlps	ml/ min	mlps	ml/ min	mlps
Inlet	A	80	1 33	70	1 17	58	0 97	58	0 97
	B	70	1 17	74	1 23	58	0 97	60	1 00
	Avg	75	1 25	72	1 20	58	0 97	59	0 98
1/3 Down	A	64	1 07	60	1 00	54	0 90	48	0 80
	B	62	1 03	60	1 00	54	0 90	48	0 80
	Avg	63	1 05	60	1 00	54	0 90	48	0 80
2/3 Down	A	60	1 00	54	0 90	38	0 63	48	0 80
	B	44	0 73	54	0 90	50	0 83	40	0 67
	Avg	52	0 87	54	0 90	44	0 73	44	0 73
End	A	66	1 10	56	0 93	50	0 83	54	0 90
	B	60	1 00	56	0 93	50	0 83	50	0 83
	Avg	63	1 05	56	0 93	50	0 83	52	0 87

LATERAL LINES AND EMITTERS DATA SHEET 1

Farm 177/22 Date 10/12/97

Lateral	Lateral Pressure, kPa (psi)			Contamination[1]
	Inlet	End	= I - E	
Head Block Area 2 0 Du Flowrate 1 ---------- 2 ----------				
1	13 2	11	2 2	2
2	12 5	9 6	2 9	2
3	12 1	11 2	0 9	2
4	11 2	10 6	0 6	2
Middle Block Area 2 5 Du Flowrate 1 - ---------- 2 ----------				
1	12 6	6	6 6	2
2	11 5	5 5	6	2
3	11 5	4 7	6 8	2
4	11 4	5 4	6	2
End Block Area 2 5 Du Flowrate 1 ---------- 2 ---------- -----				
1	13 2	10 5	2 7	2
2	12 3	11	1 3	2
3	12	9 4	2 6	2
4	10 5	9 2	1 3	2

1 Qualitative measure of lateral contamination rate of quantity of material flushed from the line

0 = none 1 = slight 2 = medium 3 = significant

Length of Irrigation

Head Block 1 hours/4 days

Middle Block 1 hours/4 days

End Block 1 hours/4 days

Comments

EMI ITER DISCHARGES DATA SHEET 2A HEAD BLOCK

Farm 177 Date 10/12/97 Lateral Age ----------

Location of Emmiters on Lateral		Location of Lateral on Submain, Submain ID ϕ 63							
		Inlet Lateral ID --------		**1/3 Down** Lateral ID --------		**2/3 Down** Lateral ID --------		**End** Lateral ID --------	
		ml/ min	mlps	ml/ min	mlps	ml/ min	mlps	ml/ min	mlps
Inlet	A	60	1 00	60	1 00	52	0 87	58	0 97
	B	60	1 00	52	0 87	56	0 93	54	0 90
	Avg	60	1 00	56	0 93	54	0 90	56	0 93
1/3 Down	A	62	1 03	50	0 83	56	0 93	50	0 83
	B	58	0 97	44	0 73	52	0 87	54	0 90
	Avg	60	1 00	47	0 78	54	0 90	52	0 87
2/3 Down	A	50	0 83	52	0 87	50	0 83	50	0 83
	B	54	0 90	44	0 73	56	0 93	54	0 90
	Avg	52	0 87	48	0 80	53	0 88	52	0 87
End	A	52	0 87	100	1 67	46	0 77	52	0 87
	B	58	0 97	70	1 17	40	0 67	55	0 92
	Avg	55	0 92	85	1 42	43	0 72	53 5	0 89

EMITTER DISCHARGES, DATA SHEET 2B MIDDLE BLOCK

Farm 177 Date 10/12/97 Lateral Age ----------

Location of Emmiters on Lateral		Location of Lateral on Submain, Submain ID ----------							
		Inlet Lateral ID ϕ 16		**1/3 Down** Lateral ID --------		**2/3 Down** Lateral ID --------		**End** Lateral ID --------	
		ml/ min	mlps	ml/ min	mlps	ml/ min	mlps	ml/ min	mlps
Inlet	A	100	1 67	74	1 23	78	1 30	82	1 37
	B	102	1 70	78	1 30	94	1 57	84	1 40
	Avg	101	1 68	76	1 27	86	1 43	83	1 38
1/3 Down	A	80	1 33	88	1 47	60	1 00	112	1 87
	B	70	1 17	84	1 40	70	1 17	90	1 50
	Avg	75	1 25	86	1 43	65	1 08	101	1 68
2/3 Down	A	58	0 97	74	1 23	70	1 17	68	1 13
	B	60	1 00	70	1 17	68	1 13	70	1 17
	Avg	59	0 98	72	1 20	69	1 15	69	1 15
End	A	2	0 70	64	1 07	70	1 17	64	1 07
	B	58	0 97	65	1 08	71	1 18	56	0 93
	Avg	50	0 83	64 5	1 08	70 5	1 18	60	1 00

EM TTER DISCHARGES, DATA SHEET 2C END BLOCK

Farm 177 Date 10/12/97 Lateral Age ----------

Location of Emmiters on Lateral		Location of Lateral on Submain Submain ID 63							
		Inlet Lateral ID ϕ 16		**1/3 Down** Lateral ID ϕ 16		**2/3 Down** Lateral ID ϕ 16		**End** Lateral ID ϕ 16	
		ml/ min	mlps	ml/ min	mlps	ml/ min	mlps	ml/ min	mlps
Inlet	A	62	1 03	42	0 70	56	0 93	54	0 90
	B	50	0 83	38	0 63	54	0 90	48	0 80
	Avg	56	0 93	40	0 67	55	0 92	51	0 85
1/3 Down	A	48	0 80	34	0 57	52	0 87	40	0 67
	B	54	0 90	36	0 60	54	0 90	50	0 83
	Avg	51	0 85	35	0 58	53	0 88	45	0 75
2/3 Down	A	44	0 73	28	0 47	50	0 83	42	0 70
	B	54	0 90	0	0 00	52	0 87	46	0 77
	Avg	49	0 82	14	0 23	51	0 85	44	0 73
End	A	53	0 88	40	0 67	52	0 87	46	0 77
	B	60	1 00	0	0 00	54	0 90	42	0 70
	Avg	56 5	0 94	20	0 33	53	0 88	44	0 73

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LATERAL LINES AND EMITTERS DATA SHEET 1

Farm 265/22 Date 4/12/97

Lateral	Lateral Pressure kPa (psi)			Contamination[1]
	Inlet	End	= I - E	
Head Block Area 1 5 Du Flowrate 1 ---------- 2 ----------				
1	26	6 3	19 7	1
2	24	12 5	11 5	1
3	24	13 5	10 5	1
4	24	13	11	1
Middle Block Area 1 575 Du Flowrate 1 ---------- 2 ----------				
1	25 5	4 5	21	1
2	25 1	5 5	19 6	1
3	25	5 1	19 9	1
4	25 2	4 6	20 6	1
End Block Area 40*40 m^2 Flowrate 1 ---------- 2 - ----------				
1	19 7	6 1	13 6	1
2	18 7	5 2	13 5	1
3	18 5	5 7	12 8	1
4	18 4	6 54	11 86	1

1 Qualitative measure of lateral contamination rate of quantity of material flushed from the line

0 = none 1 = slight 2 = medium 3 = significant

Length of Irrigation

Head Block 2 hours / week

Middle Block 2 hours / week

End Block 2 hours / week

Comments

93

EMITTER DISCHARGES DATA SHEET 2A HEAD BLOCK

Farm 265 Date 4/12/97 Lateral Age ----------

Location of Emmiters on Lateral		Location of Lateral on Submain Submain ID ----------							
		Inlet Lateral ID --------		**1/3 Down** Lateral ID --------		**2/3 Down** Lateral ID --------		**End** Lateral ID --------	
		ml/ min	mlps	ml/ 1 min	mlps	ml/ 1 min	mlps	ml/ 1 min	mlps
Inlet	A	2 [illegible]00	40 00	3700	61 67	3400	56 67	3760	62 67
	B								
	Avg								
1/3 Down	A	3[illegible]00	63 33	3000	50 00	3660	61 00	3540	59 00
	B								
	Avg								
2/3 Down	A	2 40	37 33	2960	49 33	3800	63 33	3720	62 00
	B								
	Avg								
End	A	2 60	36 00	2840	47 33	3340	55 67	3540	59 00
	B								
	Avg								

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EMITTER DISCHARGES DATA SHEET 2B MIDDLE BLOCK

Farm 265 Date 4/12/97 Lateral Age ----------

Location of Emmiters on Lateral		Location of Lateral on Submain Submain ID ----------							
		Inlet Lateral ID --------		**1/3 Down** Lateral ID --------		**2/3 Down** Lateral ID --------		**End** Lateral ID --------	
		ml/ min	mlps	ml/ min	mlps	ml/ min	mlps	ml/ min	mlps
Inlet	A	2140	35 67	2780	46 33	2120	35 33	2200	36 67
	B								
	Avg								
1/3 Down	A	2340	39 00	2320	38 67	2360	39 33	1960	32 67
	B								
	Avg								
2/3 Down	A	1 80	29 67	1960	32 67	2060	34 33	1860	31 00
	B								
	Avg								
End	A	1900	31 67	2080	34 67	2040	34 00	1840	30 67
	B								
	Avg								

EMITTER DISCHARGES, DATA SHEET 2C END BLOCK

Farm 265 Date 4/12/97 Lateral Age --- ----------

Location of Emmiters on Lateral		Location of Lateral on Submain Submain ID ----------							
		Inlet Lateral ID --------		**1/3 Down** Lateral ID --------		**2/3 Down** Lateral ID --------		**End** Lateral ID --------	
		ml/ min	mlps	ml/ min	mlps	ml/ min	mlps	ml/ min	mlps
Inlet	A	2660	44 33	2800	46 67	2580	43 00	3020	50 33
	B								
	Avg								
1/3 Down	A	2530	42 67	2280	38 00	1880	31 33	2820	47 00
	B								
	Avg								
2/3 Down	A	2400	40 00	2160	36 00	1800	30 00	2800	46 67
	B								
	Avg								
End	A	2240	37 33	1940	32 33	2060	34 33	2280	38 00
	B								
	Avg								

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LATERAL LINES AND EMITTERS, DATA SHEET 1

Farm 266/22 Date 6/12/97

Lateral	Lateral Pressure kPa (psi)			Contamination[1]
	Inlet	End	= I - E	
Head Block Area 1 4 Du Flowrate 1 ---------- 2 ------- - --------				
1	22	5	17	1
2	21 2	5 5	15 7	1
3	21 2	5	16 2	1
4	21 2	6 4	14 8	1
Middle Block Area 1 6 Du Flowrate 1 ---------- 2 ----------				
1	20 2	4 6	15 6	1
2	19 1	4 4	14 7	1
3	19 5	4 6	14 9	1
4	19 5	4 3	15 2	1
End Block Area 1 6 Du Flowrate 1 ---------- 2 ----------				
1	17	3 3	13 7	1
2	16 2	3 5	12 7	1
3	16 4	4 6	11 8	1
4	16 2	3 3	12 9	1

1 Qualitative measure of lateral contamination rate of quantity of material flushed from the line

0 = none 1 = slight 2 = medium 3 = significant

Length of Irrigation

Head Block 2 hours / week

Middle Block 2 hours / week

End Block 2 hours / week

Comments

97

EMITTER DISCHARGES DATA SHEET 2A HEAD BLOCK

Farm 266 Date 6/12/97 Lateral Age ------ -------

Location of Emmiters on Lateral		Location of Lateral on Submain, Submain ID ----------							
		Inlet Lateral ID --------		**1/3 Down** Lateral ID --------		**2/3 Down** Lateral ID --------		**End** Lateral ID --------	
		ml/ 1 min	mlps	ml/ 1 min	mlps	ml/ 1 min	mlps	ml/ 1 min	mlps
Inlet	A	3240	54	3740	62 33	2960	49 33	3640	60 67
	B								
	Avg								
1/3 Down	A	2200	36 67	2000	33 33	2260	37 67	2400	40
	B								
	Avg								
2/3 Down	A	1950	32 5	2020	33 67	1920	32 00	2400	40
	B								
	Avg								
End	A	1750	29 17	1840	30 67	1760	29 33	2100	35
	B								
	Avg								

EMITTER DISCHARGES, DATA SHEET 2B MIDDLE BLOCK

Farm 266 Date 6/12/97 Lateral Age ----------

Location of Emmiters on Lateral		Location of Lateral on Submain Submain ID ----------							
		Inlet Lateral ID --------		**1/3 Down** Lateral ID --------		**2/3 Down** Lateral ID --------		**End** Lateral ID --------	
		ml/ 1 min	mlps	ml/ 1 min	mlps	ml/ 1 min	mlps	ml/ 1 min	mlps
Inlet	A	2820	47	3100	51 67	2680	44 67	3200	53 33
	B								
	Avg								
1/3 Down	A	2760	46	2800	46 67	2550	42 50	2060	34 33
	B								
	Avg								
2/3 Down	A	1800	30	1820	30 33	1640	27 33	1600	26 67
	B								
	Avg								
End	A	1640	27 33	1680	28	1440	24	1260	21
	B								
	Avg								

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EMITTER DISCHARGES, DATA SHEET 2C END BLOCK

Farm 266/22 Date 6/12/97 Lateral Age ----------

Location of Emmiters on Lateral		Location of Lateral on Submain, Submain ID ----------							
		Inlet Lateral ID --------		**1/3 Down** Lateral ID --------		**2/3 Down** Lateral ID --------		**End** Lateral ID --------	
		ml/ 1 min	mlps	ml/ 1 min	mlps	ml/ 1 min	mlps	ml/ 1 min	mlps
Inlet	A	2[illegible]60	36 00	2740	45 67	2440	40 67	3820	63 67
	B								
	Avg								
1/3 Down	A	2080	34 67	2000	33 33	2260	37 67	1660	27 67
	B								
	Avg								
2/3 Down	A	1[illegible]60	21 00	980	16 33	1580	26 33	1420	23 67
	B								
	Avg								
End	A	1[illegible]00	18 33	760	12 67	1520	25 33	1280	21 33
	B								
	Avg								

LATERAL LINES AND EMITTERS DATA SHEET 1

Farm 294/22 Date 8/12/97

Lateral	Lateral Pressure kPa (psi)			Contamination[1]
	Inlet	End	= I - E	
Head Block Area 2 5 Du Flowrate 1 --- -- --------- 2 ----------				
1	11 5	10 8	0 7	1
2	10 4	9 5	0 9	1
3	9 6	9 3	0 3	1
4	9 5	7 5	2	1
Middle Block Area 1 5 Du Flowrate 1 ---------- 2 ----------				
1	12	10 7	1 3	1
2	10 1	10 2	-0 1	1
3	11 4	9 7	1 7	1
4	10 2	10 5	-0 3	1
End Block Area 2 5 Du Flowrate 1 --- ---------- 2 -- ----------				
1	5 5	5	0 5	1
2	4 3	4 9	-0 6	1
3	4 3	4 8	-0 5	1
4	5 1	5 5	-0 4	1

1 Qualitative measure of lateral contamination rate of quantity of material flushed from the line

0 = none 1 = slight 2 = medium 3 = significant

Length of Irrigation

Head Block 1 5 hours/week

Middle Block 1 5 hours/week

End Block 1 5 hours/week

Comments

101

EMITTER DISCHARGES, DATA SHEET 2A, HEAD BLOCK

Farm 294 Date 8/12/97 Lateral Age 3 years

Location of Emmiters on Lateral		Location of Lateral on Submain Submain ID 63							
		Inlet Lateral ID 20		**1/3 Down** Lateral ID 20		**2/3 Down** Lateral ID 20		**End** Lateral ID 20	
		ml/ 1 min	mlps	ml/ 1 min	mlps	ml/ 1 min	mlps	ml/ 1 min	mlps
Inlet	A	44	0 73	42	0 70	38	0 63	0	0 00
	B	44	0 73	40	0 67	38	0 63	54	0 90
	Avg	44	0 73	41	0 68	38	0 63	27	0 45
1/3 Down	A	30	0 50	40	0 67	42	0 70	0	0 00
	B	42	0 70	42	0 70	42	0 70	34	0 57
	Avg	36	0 60	41	0 68	42	0 70	17	0 28
2/3 Down	A	38	0 63	38	0 63	52	0 87	70	1 17
	B	41	0 68	38	0 63	0	0 00	54	0 90
	Avg	39 5	0 66	38	0 63	26	0 43	62	1 03
End	A	0	0 00	38	0 63	38	0 63	38	0 63
	B	2	0 70	40	0 67	36	0 60	0	0 00
	Avg	1	0 35	39	0 65	37	0 62	19	0 32

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EMITTER DISCHARGES, DATA SHEET 2B, MIDDLE BLOCK

Farm 294 Date 8/12/97 Lateral Age 3 years

Location of Emmiters on Lateral		Location of Lateral on Submain Submain ID 63							
		Inlet Lateral ID 20		**1/3 Down** Lateral ID 20		**2/3 Down** Lateral ID 20		**End** Lateral ID 20	
		ml/ min	mlps	ml/ min	mlps	ml/ min	mlps	ml/ min	mlps
Inlet	A	94	1 57	36	0 60	42	0 70	34	0 57
	B	46	0 77	36	0 60	46	0 77	44	0 73
	Avg	70	1 17	36	0 60	44	0 73	39	0 65
1/3 Down	A	40	0 67	44	0 73	44	0 73	40	0 67
	B	44	0 73	38	0 63	44	0 73	38	0 63
	Avg	42	0 70	41	0 68	44	0 73	39	0 65
2/3 Down	A	38	0 63	40	0 67	44	0 73	40	0 67
	B	36	0 60	38	0 63	42	0 70	40	0 67
	Avg	37	0 62	39	0 65	43	0 72	40	0 67
End	A	38	0 63	42	0 70	46	0 77	40	0 67
	B	42	0 70	40	0 67	36	0 60	40	0 67
	Avg	40	0 67	41	0 68	41	0 68	40	0 67

EMITTER DISCHARGES, DATA SHEET 2C END BLOCK

Farm 294 Date 8/12/97 Lateral Age 3 years

Location of Emmiters on Lateral		Location of Lateral on Submain, Submain ID ----------							
		Inlet Lateral ID 20		**1/3 Down** Lateral ID 20		**2/3 Down** Lateral ID 20		**End** Lateral ID 20	
		ml/ min	mlps	ml/ min	mlps	ml/ min	mlps	ml/ min	mlps
Inlet	A	28	0 47	30	0 50	24	0 40	0	0 00
	B	30	0 50	28	0 47	28	0 47	22	0 37
	Avg	29	0 48	29	0 48	26	0 43	11	0 18
1/3 Down	A	26	0 43	26	0 43	22	0 37	22	0 37
	B	24	0 40	26	0 43	28	0 47	24	0 40
	Avg	25	0 42	26	0 43	25	0 42	23	0 38
2/3 Down	A	26	0 43	28	0 47	28	0 47	0	0 00
	B	26	0 43	28	0 47	24	0 40	24	0 40
	Avg	26	0 43	28	0 47	26	0 43	12	0 20
End	A	20	0 33	0	0 00	22	0 37	0	0 00
	B	26	0 43	24	0 40	24	0 40	2	0 03
	Avg	23	0 38	12	0 20	23	0 38	1	0 02

LATERAL LINES AND EMITTERS DATA SHEET 1

Farm 117/23 Date 15/12/97

Lateral	Lateral Pressure kPa (psi)			Contamination[1]
	Inlet	End	= I - E	
Head Block Area 1 5 Du Flowrate 1 ---------- 2 ----------				
1	15 7	12 7	3	1
2	13 5	11 4	2 1	1
3	13	10 1	2 9	1
4	12 5	10 3	2 2	1
Middle Block Area 1 8 Du Flowrate 1 ---------- 2 ----------				
1	19	13	6	1
2	18	13	5	1
3	18	12 7	5 3	1
4	18 1	13 2	4 9	1
End Block Area 2 5 Du Flowrate 1 ---------- 2 ----------				
1	12 5	10	2 5	1
2	10 8	7 9	2 9	1
3	9 5	7 5	2	1
4	10	7 4	2 6	1

1 Qualitative measure of lateral contamination ate of quantity of material flushed from the line

0 = none 1 = slight 2 = medium 3 = significant

Length of Irrigation

Head Block 1 hours/4 days

Middle Block 1 hours/4 days

End Block 1 hours/4 days

Comments

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EMITTER DISCHARGES DATA SHEET 2A HEAD BLOCK

Farm 117/23 Date 15/12/97 Lateral Age ----------

Location of Emmiters on Lateral		Location of Lateral on Submain, Submain ID 50							
		Inlet Lateral ID 16		**1/3 Down** Lateral ID 16		**2/3 Down** Lateral ID 16		**End** Lateral ID 16	
		ml/ 1 min	mlps	ml/ 1 min	mlps	ml/ 1 min	mlps	ml/ 1 min	mlps
Inlet	A	74	1 23	58	0 97	52	0 87	50	0 83
	B	74	1 23	62	1 03	52	0 87	54	0 90
	Avg	74	1 23	60	1 00	52	0 87	52	0 87
1/3 Down	A	74	1 23	56	0 93	52	0 87	50	0 83
	B	68	1 13	54	0 90	54	0 90	54	0 90
	Avg	71	1 18	55	0 92	53	0 88	52	0 87
2/3 Down	A	66	1 10	56	0 93	52	0 87	48	0 80
	B	70	1 17	54	0 90	52	0 87	50	0 83
	Avg	68	1 13	55	0 92	52	0 87	49	0 82
End	A	62	1 03	58	0 97	52	0 87	54	0 90
	B	66	1 10	58	0 97	54	0 90	56	0 93
	Avg	64	1 07	58	0 97	53	0 88	55	0 92

EMITTER DISCHARGES DATA SHEET 2B, MIDDLE BLOCK

Farm 117/23 Date 15/12/97 Lateral Age 15 years

Location of Emmiters on Lateral		Location of Lateral on Submain Submain ID 63							
		Inlet Lateral ID --------		**1/3 Down** Lateral ID --------		**2/3 Down** Lateral ID --------		**End** Lateral ID --------	
		ml/ 1 min	mlps	ml/ 1 min	mlps	ml/ 1 min	mlps	ml/ 1 min	mlps
Inlet	A	80	1 33	76	1 27	72	1 20	76	1 27
	B	78	1 30	78	1 30	76	1 27	80	1 33
	Avg	79	1 32	77	1 28	74	1 23	78	1 30
1/3 Down	A	66	1 10	60	1 00	64	1 07	58	0 97
	B	66	1 10	66	1 10	68	1 13	70	1 17
	Avg	66	1 10	63	1 05	66	1 10	64	1 07
2/3 Down	A	62	1 03	66	1 10	62	1 03	64	1 07
	B	60	1 00	66	1 10	62	1 03	60	1 00
	Avg	61	1 02	66	1 10	62	1 03	62	1 03
End	A	68	1 13	66	1 10	68	1 13	58	0 97
	E	68	1 13	68	1 13	58	0 97	64	1 07
	Avg	68	1 13	67	1 12	63	1 05	61	1 02

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EMITTER DISCHARGES DATA SHEET 2C END BLOCK

Farm 117/23 Date 15/12/97 Lateral Age

Location of Emmiters on Lateral		Location of Lateral on Submain, Submain ID 50							
		Inlet Lateral ID 16		**1/3 Down** Lateral ID 16		**2/3 Down** Lateral ID 16		**End** Lateral ID 16	
		ml/ 1 min	mlps	ml/ 1 min	mlps	ml/ 1 min	mlps	ml/ 1 min	mlps
Inlet	A	58	0 97	52	0 87	48	0 80	48	0 80
	B	58	0 97	46	0 77	50	0 83	50	0 83
	Avg	58	0 97	49	0 82	49	0 82	49	0 82
1/3 Down	A	50	0 83	48	0 80	48	0 80	46	0 77
	B	52	0 87	48	0 80	50	0 83	44	0 73
	Avg	51	0 85	48	0 80	49	0 82	45	0 75
2/3 Down	A	50	0 83	46	0 77	40	0 67	44	0 73
	B	56	0 93	44	0 73	38	0 63	48	0 80
	Avg	53	0 88	45	0 75	39	0 65	46	0 77
End	A	50	0 83	48	0 80	74	1 23	46	0 77
	B	56	0 93	50	0 83	46	0 77	48	0 80
	Avg	53	0 88	49	0 82	60	1 00	47	0 78

LATERAL LINES AND EMITTERS DATA SHEET 1

Farm 202/23 Date 8/12/97

Lateral	Lateral Pressure kPa (psi)			Contamination[1]
	Inlet	End	= I - E	
Head Block Area 22 2*24 2- m^2 Flowrate 1 ---------- 2 ---------- ------				
1	30 psi	21 psi	9	1
2	30 psi	29 psi	1	1
3	28 psi	26 psi	2	1
4	27 psi	14 psi	13	1
Middle Block Area 1 m^2 Flowrate 1 ---------- 2 ----------				
1	28 psi	20 5 psi	7 5	1
2	25 psi	18 psi	7	1
3	22 psi	16 psi	6	1
4	22 psi	17 psi	5	1
End Block Area 1 46 m^2 Flowrate 1 ------ -------- 2 ----------				
1	26 psi	11 5 psi	14 5	1
2	25 psi	11 5 psi	13 5	1
3	25 psi	11 5 psi	13 5	1
4	20 psi	8 0 psi	12	1

1 Qualitative measure of lateral contamination rate of quantity of material flushed from the line

0 = none 1 = slight 2 = medium 3 = significant

Length of Irrigation

Head Block 4 hours/week

Middle Block 4 hours/week

End Block 4 hours/week

Comments

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EMITTER DISCHARGES, DATA SHEET 2A, HEAD BLOCK

Farm 202 Date 8/12/97 Lateral Age 10 years

Location of Emmiters on Lateral		Location of Lateral on Submain Submain ID 50 mm							
		Inlet Lateral ID 20 mm		**1/3 Down** Lateral ID --------		**2/3 Down** Lateral ID --------		**End** Lateral ID --------	
		ml/ min	mlps	ml/ min	mlps	ml/ min	mlps	ml/ min	mlps
Inlet	A	1520	25 33	2320	38 67	2500	41 67	810	13 50
	B								
	Avg								
1/3 Down	A	5200	86 67	2270	37 83	1440	24 00	1200	20 00
	B								
	Avg								
2/3 Down	A	1820	30 33	0	0 00	5240	87 33	2120	35 33
	B								
	Avg								
End	A	1000	16 67	2140	35 67	4440	74 00	2700	45 00
	B								
	Avg								

EMITTER DISCHARGES, DATA SHEET 2B MIDDLE BLOCK

Farm 202 Date 8/12/97 Lateral Age 10 years

Location of Emmiters on Lateral		Location of Lateral on Submain Submain ID 50 mm							
		Inlet Lateral ID 20 mm		**1/3 Down** Lateral ID --------		**2/3 Down** Lateral ID --------		**End** Lateral ID --------	
		ml/ min	mlps	ml/ min	mlps	ml/ min	mlps	ml/ min	mlps
Inlet	A	960	16 00	0	0 00	1420	23 67	0	0 00
	B								
	Avg								
1/3 Down	A	2240	37 33	60	1 00	1740	29 00	0	0 00
	B								
	Avg								
2/3 Down	A	380	6 33	900	15 00	2300	38 33	1240	20 67
	B								
	Avg								
End	A	1740	29 00	160	2 67	1640	27 33	800	13 33
	B								
	Avg								

EMITTER DISCHARGES DATA SHEET 2C END BLOCK

Farm 202 Date 8/12/97 Lateral Age 10 years

Location of Emmiters on Lateral		Location of Lateral on Submain Submain ID 50 mm							
		Inlet Lateral ID 20 mm		**1/3 Down** Lateral ID --------		**2/3 Down** Lateral ID --------		**End** Lateral ID --------	
		ml/ min	mlps	ml/ min	mlps	ml/ min	mlps	ml/ min	mlps
Inlet	A	2200	36 67	1820	30 33	0	0 00	2220	37 00
	B								
	Avg								
1/3 Down	A	1500	25 00	2100	35 00	0	0 00	2000	33 33
	B								
	Avg								
2/3 Down	A	1500	25 00	0	0 00	1700	28 33	1580	26 33
	B								
	Avg								
End	A	1760	29 33	2000	33 33	1560	26 00	0	0 00
	B								
	Avg								

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LATERAL LINES AND EMITTERS DATA SHEET 1

Farm 216/23 Date ---------

Lateral	Lateral Pressure kPa (psi)			Contamination[1]
	Inlet	End	= I - E	
Head Block Area 4 Du Flowrate 1 ----- ---------- 2 ----------				
1	19 5	14 6*	4 9	1
2	16 5	16 75	-0 25	1
3	15 75	15 1	0 65	1
4	15	13 1	1 9	1
Middle Block Area 7 Du Flowrate 1 ---------- 2 ----------				
1	10*	3 75	6 25	1
2	14	14	0	1
3	13 2	11 1	2 1	1
4	12 5	7	5 5	1
End Block Area Du Flowrate 1 ------ --------- 2 ------ ----------				
1	17	16	1	1
2	16	15	1	1
3	16	15 5	0 5	1
4	15 2	15	0 2	1

1 Qualitative measure of lateral contamination rate of quantity of material flushed from the line

0 = none 1 = slight 2 = medium 3 = significant

Length of Irrigation

Head Block 2 hours/week

Middle Block hours

End Block hours

Comments

* Leakage

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EMITTER DISCHARGES DATA SHEET 2A, HEAD BLOCK

Farm 216 Date Lateral Age 50 mm

Location of Emmiters on Lateral		Location of Lateral on Submain Submain ID ----------							
		Inlet Lateral ID 16		**1/3 Down** Lateral ID 20		**2/3 Down** Lateral ID 20		**End** Lateral ID 16	
		ml/ 1 min	mlps	ml/ 1 min	mlps	ml/ 1 min	mlps	ml/ 1 min	mlps
Inlet	A	96	1 6	58	0 97	68	1 13	54	0 90
	B	96	1 6	58	0 97	68	1 13	56	0 93
	Avg	96	1 6	58	0 97	68	1 13	55	0 92
1/3 Down	A	66	1 1	56	0 93	48	0 80	66	1 10
	B	60	1	26	0 43	58	0 97	69	1 15
	Avg	63	1 05	41	0 68	53	0 88	67 5	1 13
2/3 Down	A	79	1 32	0	0 00	60	1 00	72	1 20
	B	65	1 08	70	1 17	52	0 87	72	1 20
	Avg	72	1 20	35	0 58	56	0 93	72	1 20
End	A	62	1 03	52	0 87	67	1 12	28	0 47
	B	76	1 27	68	1 13	60	1 00	72	1 20
	Avg	69	1 15	60	1	63 5	1 06	50	0 83

EMITTER DISCHARGES, DATA SHEET 2B, MIDDLE BLOCK

Farm 216/23 Date Lateral Age

Location of Emmiters on Lateral		Location of Lateral on Submain, Submain ID ----------							
		Inlet Lateral ID 16		**1/3 Down** Lateral ID 20		**2/3 Down** Lateral ID 20		**End** Lateral ID 16	
		ml/ 1 min	mlps	ml/ 1 min	mlps	ml/ 1 min	mlps	ml/ 1 min	mlps
Inlet	A	40	0 67	66	1 10	80	1 33	80	1 33
	B	45	0 75	76	1 27	77	1 28	76	1 27
	Avg	42 5	0 71	71	1 18	78 5	1 31	78	1 30
1/3 Down	A	25	0 42	72	1 20	60	1 00	51	0 85
	B	30	0 50	69	1 15	60	1 00	50	0 83
	Avg	27 5	0 46	70 5	1 18	60	1 00	50 5	0 84
2/3 Down	A	36	0 60	45	0 75	60	1 00	20	0 33
	B	0	0 00	40	0 67	60	1 00	22	0 37
	Avg	18	0 30	42 5	0 71	60	1 00	21	0 35
End	A	33	0 55	54	0 90	78	1 30	46	0 77
	B	0	0 00	54	0 90	62	1 03	24	0 40
	Avg	16 5	0 28	54	0 90	70	1 17	35	0 58

EMITTER DISCHARGES, DATA SHEET 2C, END BLOCK

Farm 216/23 Date Lateral Age

Location of Emmiters on Lateral		Location of Lateral on Submain Submain ID ----------							
		Inlet Lateral ID --------		1/3 Down Lateral ID -- ----		**2/3 Down** Lateral ID --------		**End** Lateral ID --------	
		ml/ 1 min	mlps	ml/ 1 min	mlps	ml/ 1 min	mlps	ml/ 1 min	mlps
Inlet	A	62	1 03	68	1 13	68	1 13	70	1 17
	B	0	0 00	66	1 10	64	1 07	67	1 12
	Avg	31	0 52	67	1 12	66	1 10	68 5	1 14
1/3 Down	A	68	1 13	60	1 00	62	1 03	72	1 20
	B	65	1 08	58	0 97	59	0 98	66	1 10
	Avg	66 5	1 11	59	0 98	60 5	1 01	69	1 15
2/3 Down	A	68	1 13	50	0 83	36	0 60	70	1 17
	B	66	1 10	47	0 78	42	0 70	68	1 13
	Avg	67	1 12	48 5	0 81	39	0 65	69	1 15
End	A	72	1 20	64	1 07	50	0 83	80	1 33
	B	66	1 10	48	0 80	44	0 73	70	1 17
	Avg	69	1 15	56	0 93	47	0 78	75	1 25

LATERAL LINES AND EMITTERS DATA SHEET 1

Farm 249/23 Date 6/12/97

Lateral	Lateral Pressure kPa (psi)			Contamination[1]
	Inlet	End	= I - E	
Head Block Area 900 m^2 Flowrate 1 ---------- 2 ----------				
1	5 75 psi	5 5 psi	0 25	1
2	6 0 psi	6 0 psi	0	1
3	6 0 psi	6 5 psi	-0 5	1
4	5 5 psi	5 0 psi	0 5	1
Middle Block Area 480 m^2 Flowrate 1 ---------- 2 ----------				
1	2 25 psi	3 0 psi	-0 75	1
2	2 5 psi	3 0 psi	-0 5	1
3	3 0 psi	2 5 psi	0 5	1
4	3 5 psi	2 6 psi	0 9	1
End Block Area 1 5 Du Flowrate 1 ---------- 2 ----------				
1	4 75 psi	4 5 psi	0 25	1
2	4 8 psi	1 5 psi	3 3	1
3	3 1 psi	2 25 psi	0 85	1
4	4 0 psi	3 0 psi	1	1

1 Qualitative measure of lateral contamination rate of quantity of material flushed from the line

0 = none 1 = slight 2 = medium 3 = significant

Length of Irrigation

Head Block 1 5 hours/week

Middle Block 1 0 hours/week

End Block 1 5 hours/week

Comments

In block 2 the water has been openend on 10 plastic houses which caused lower pressure

EMITTER DISCHARGES DATA SHEET 2A HEAD BLOCK

Farm 249 Date 6/12/97 Lateral Age 5 years

Location of Emmiters on Lateral		Location of Lateral on Submain Submain ID ----------							
		Inlet Lateral ID 20 mm		**1/3 Down** Lateral ID --------		**2/3 Down** Lateral ID --------		**End** Lateral ID --------	
		ml/min	mlps	ml/ min	mlps	ml/ min	mlps	ml/ min	mlps
Inlet	A	36	0 60	44	0 73	30	0 50	70	1 17
	B	20	0 33	64	1 07	86	1 43	34	0 57
	Avg	28	0 47	54	0 90	58	0 97	52	0 87
1/3 Down	A	28	0 47	40	0 67	30	0 50	36	0 60
	B	32	0 53	38	0 63	30	0 50	40	0 67
	Avg	30	0 50	39	0 65	30	0 50	38	0 63
2/3 Down	A	32	0 53	36	0 60	30	0 50	20	0 33
	B	36	0 60	34	0 57	16	0 27	32	0 53
	Avg	34	0 57	35	0 58	23	0 38	26	0 43
End	A	24	0 40	44	0 73	24	0 40	44	0 73
	B	38	0 63	36	0 60	20	0 33	5	0 08
	Avg	31	0 52	40	0 67	22	0 37	25	0 42

EMITTER DISCHARGES, DATA SHEET 2B MIDDLE BLOCK

Farm 249 Date 6/12/97 Lateral Age 3 years

Location of Emmiters on Lateral		Location of Lateral on Submain, Submain ID ----------							
		Inlet Lateral ID 20 mm		**1/3 Down** Lateral ID --- ----		**2/3 Down** Lateral ID --------		**End** Lateral ID --------	
		ml/ min	mlps	ml/ min	mlps	ml/ min	mlps	ml/min	mlps
Inlet	A	10	0 17	17	0 28	36	0 60	35	0 58
	B	14	0 23	15	0 25	20	0 33	25	0 42
	Avg	12	0 20	16	0 27	28	0 47	30	0 50
1/3 Down	A	10	0 17	28	0 47	22	0 37	32	0 53
	B	4	0 23	24	0 40	22	0 37	28	0 47
	Avg	2	0 20	26	0 43	22	0 37	30	0 50
2/3 Down	A	26	0 43	32	0 53	22	0 37	32	0 53
	B	24	0 40	28	0 47	21	0 35	24	0 40
	Avg	25	0 42	30	0 50	22	0 37	28	0 47
End	A	92	1 53	26	0 43	50	0 83	15	0 25
	B	24	0 40	22	0 37	46	0 77	5	0 08
	Avg	58*	0 97	24	0 40	48	0 80	10	0 17

EMITTER DISCHARGES DATA SHEET 2C END BLOCK

Farm 249/23 Date 6/12/97 Lateral Age 3 years

Location of Emmiters on Lateral		Location of Lateral on Submain, Submain ID ----------							
		Inlet Lateral ID 20 mm		**1/3 Down** Lateral ID --------		**2/3 Down** Lateral ID --------		**End** Lateral ID --------	
		ml/ min	mlps	ml/ min	mlps	ml/ min	mlps	ml/ min	mlps
Inlet	A	70	1 17	0	0 00	20	0 33	16	0 27
	B	45	0 75	36	0 60	46	0 77	20	0 33
	Avg	58	0 97	18	0 30	33	0 55	18	0 30
1/3 Down	A	28	0 47	56	0 93	20	0 33	28	0 47
	B	28	0 47	24	0 40	8	0 13	12	0 20
	Avg	28	0 47	40	0 67	14	0 23	20	0 33
2/3 Down	A	28	0 47	20	0 33	46	0 77	172	2 87
	B	24	0 40	20	0 33	20	0 33	64	1 07
	Avg	26	0 43	20	0 33	33	0 55	120*	2 00
End	A	20	0 33	116	1 93	20	0 33	50	0 83
	B	30	0 50	152	2 53	0	0 00	20	0 33
	Avg	25	0 42	134*	2 23	10	0 17	358	5 97

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LATERAL LINES AND EMITTERS DATA SHEET 1

Farm 221/23 Date 15/12/97

Lateral	Lateral Pressure kPa (psi)			Contamination[1]
	Inlet	End	= I - E	
Head Block Area 2 394 Du Flowrate 1 ---------- 2 ----------				
1	9	9 5	-0 5	sli (1)
2	7 8	8 5	-0 7	sli (1)
3	7 2	7	0 2	sli (1)
4	7	7 6	-0 6	sli (1)
Middle Block Area 1 764 Du Flowrate 1 ---------- 2 ----------				
1	6 8	4 8	2	sli (1)
2	6 8	3	3 8	sli (1)
3	6 8	5 8	1	sli (1)
4	6 6	6 4	0 2	sli (1)
End Block Area 1 764 Du Flowrate 1 ---------- 2 ----------				
1	9	8	1	sli (1)
2	8 5	8 8	-0 3	sli (1)
3	8	5	3	sli (1)
4	7 5	9	-1 5	sli (1)

1 Qualitative measure of lateral contamination rate of quantity of material flushed from the line

0 = none 1 = slight 2 = medium 3 = significant

Length of Irrigation

Head Block 1 hour/week

Middle Block 1 hour/week

End Block 1 hour/week

Comments

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EMITTER DISCHARGES, DATA SHEET 2A HEAD BLOCK

Farm 221 Date 15/12/97 Lateral Age ----------

Location of Emmiters on Lateral		Location of Lateral on Submain Submain ID ----------							
		Inlet Lateral ID --------		**1/3 Down** Lateral ID --------		**2/3 Down** Lateral ID --------		**End** Lateral ID --------	
		ml/ 1 min	mlps	ml/ 1 min	mlps	ml/ 1 min	mlps	ml/ 1 min	mlps
Inlet	A	140	2 33	30	0 50	24	0 40	30	0 50
	B	28	0 47	30	0 50	30	0 50	50	0 83
	Avg	84	1 40	30	0 50	27	0 45	40	0 67
1/3 Down	A	33	0 55	30	0 50	106	1 77	112	1 87
	B	36	0 60	20	0 33	0	0 00	0	0 00
	Avg	34 5	0 58	25	0 42	53	0 88	56	0 93
2/3 Down	A	0	0 00	30	0 50	110	1 83	38	0 63
	B	50	0 83	0	0 00	75	1 25	0	0 00
	Avg	25	0 42	15	0 25	92 5	1 54	19	0 32
End	A	0	0 00	30	0 50	0	0	36	0 60
	B	40	0 67	40	0 67	0	0	32	0 53
	Avg	20	0 33	35	0 58	0	0	34	0 57

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EMITTER DISCHARGES DATA SHEET 2B MIDDLE BLOCK

Farm 221 Date 15/12/97 Lateral Age 5 years

Location of Emmiters on Lateral		Location of Lateral on Submain Submain ID 45							
		Inlet Lateral ID 17		**1/3 Down** Lateral ID 17		**2/3 Down** Lateral ID 17		**End** Lateral ID 17	
		ml/ 1 min	mlps	ml/ 1 min	mlps	ml/ 1 min	mlps	ml/ 1 min	mlps
Inlet	A	32	0 53	32	0 53	28	0 47	18	0 30
	B	44	0 73	30	0 50	0	0 00	0	0 00
	Avg	38	0 63	31	0 52	14	0 23	9	0 15
1/3 Down	A	36	0 60	20	0 33	24	0 40	12	0 20
	B	0	0 00	18	0 30	26	0 43	94	1 57
	Avg	18	0 30	19	0 32	25	0 42	53	0 88
2/3 Down	A	30	0 50	24	0 40	24	0 40	0	0 00
	B	0	0 00	22	0 37	0	0 00	23	0 38
	Avg	15	0 25	23	0 38	12	0 20	11 5	0 19
End	A	80	1 33	22	0 37	18	0 30	42	0 70
	B	90	1 50	0	0 00	14	0 23	22	0 37
	Avg	85	1 42	11	0 18	16	0 27	32	0 53

123

EMITTER DISCHARGES DATA SHEET 2C, END BLOCK

Farm 221/ Date 15/12/97 Lateral Age 2 years

Location of Emmiters on Lateral		Location of Lateral on Submain Submain ID 17							
		Inlet Lateral ID --------		**1/3 Down** Lateral ID --------		**2/3 Down** Lateral ID --------		**End** Lateral ID --------	
		ml/ 1 min	mlps	ml/ 1 min	mlps	ml/ 1 min	mlps	ml/ 1 min	mlps
Inlet	A	40	0 67	0	0 00	42	0 70	20	0 33
	B	48	0 80	38	0 63	0	0 00	76	1 27
	Avg	44	0 73	19	0 32	21	0 35	48	0 80
1/3 Down	A	40	0 67	0	0 00	34	0 57	28	0 47
	B	0	0 00	48	0 80	0	0 00	0	0 00
	Avg	20	0 33	24	0 40	17	0 28	14	0 23
2/3 Down	A	48	0 80	36	0 60	36	0 60	22	0 37
	B	0	0 00	0	0 00	0	0 00	0	0 00
	Avg	24	0 40	18	0 30	18	0 30	11	0 18
End	A	36	0 60	44	0 73	38	0 63	110	1 83
	B	0	0 00	34	0 57	36	0 60	0	0 00
	Avg	18	0 30	39	0 65	37	0 62	55	0 92

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LATERAL LINES AND EMITTERS DATA SHEET 1

Farm 224/23 Date ---------

Lateral	Lateral Pressure kPa (psi)			Contamination[1]
	Inlet	End	= I - E	
Head Block Area 1 6 Du Flowrate 1 ---------- 2 -------- -- -- ---				
1	5	4	1	2
2	4 8	5	-0 2	2
3	4 8	5	-0 2	2
4	4	4 5	-0 5	2
Middle Block Area 1 3 Du Flowrate 1 ---------- 2 ----------				
1	6 5	5	1 5	2
2	6	6	0	2
3	5	5	0	2
4	6	5	1	2
End Block Area 1 3 Du Flowrate 1 ---------- 2 ---- -- - --- - --				
1	4	4	0	2
2	5	5	0	2
3	4	4	0	2
4	4	5	-1	2

1 Qualitative measure of lateral contamination rate of quantity of material flushed from the line

0 = none 1 = slight 2 = medium 3 = significant

Length of Irrigation

Head Block 2-3 hours/week

Middle Block 3 hours/week

End Block 3 hours/week

Comments

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EMITTER DISCHARGES DATA SHEET 2A HEAD BLOCK

Farm 224 Date 1/12/97 Lateral Age ----------

Location of Emmiters on Lateral		Location of Lateral on Submain Submain ID ----------							
		Inlet Lateral ID --------		**1/3 Down** Lateral ID --------		**2/3 Down** Lateral ID --------		**End** Lateral ID --------	
		ml/ 1 min	mlps	ml/ 1 min	mlps	ml/ 1 min	mlps	ml/ 1 min	mlps
Inlet	A	30	0 50	40	0 67	34	0 57	36	0 60
	B	28	0 47	38	0 63	48	0 80	33	0 55
	Avg	29	0 48	39	0 65	41	0 68	34 5	0 58
1/3 Down	A	82	1 37	28	0 47	33	0 55	23	0 38
	B	27	0 45	32	0 53	42	0 70	26	0 43
	Avg	54 5	0 91	30	0 50	37 5	0 63	24 5	0 41
2/3 Down	A	24	0 40	28	0 47	42	0 70	26	0 43
	B	31	0 52	34	0 57	38	0 63	26	0 43
	Avg	27 5	0 46	31	0 52	40	0 67	26	0 43
End	A	30	0 50	32	0 53	42	0 70	26	0 43
	B	33	0 55	44	0 73	46	0 77	28	0 47
	Avg	31 5	0 53	38	0 63	44	0 73	27	0 45

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EMITTER DISCHARGES DATA SHEET 2B, MIDDLE BLOCK

Farm 224 Date 1/12/97 Lateral Age 15 years

Location of Emmiters on Lateral		Location of Lateral on Submain Submain ID ----------							
		Inlet Lateral ID --------		**1/3 Down** Lateral ID --------		**2/3 Down** Lateral ID --------		**End** Lateral ID --------	
		ml/ 1 min	mlps	ml/ 1 min	mlps	ml/ 1 min	mlps	ml/ 1 min	mlps
Inlet	A	30	1 33	48	0 80	42	0 70	36	0 60
	B	122	2 03	37	0 62	41	0 68	34	0 57
	Avg	101	1 68	42 5	0 71	41 5	0 69	35	0 58
1/3 Down	A	41	0 68	43	0 72	38	0 63	30	0 50
	B	38	0 63	40	0 67	40	0 67	40	0 67
	Avg	39 5	0 66	41 5	0 69	39	0 65	35	0 58
2/3 Down	A	40	0 67	41	0 68	50	0 83	50	0 83
	B	40	0 67	36	0 60	68	1 13	46	0 77
	Avg	40	0 67	38 5	0 64	39	0 65	48	0 80
End	A	41	0 68	43	0 72	40	0 67	27	0 45
	B	37	0 62	43	0 72	46	0 77	29	0 48
	Avg	39	0 65	43	0 72	43	0 72	28	0 466667

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EMITTER DISCHARGES, DATA SHEET 2C END BLOCK

Farm 224/23 Date 1/12/97 Lateral Age 15 years

Location of Emmiters on Lateral		Location of Lateral on Submain Submain ID ----------							
		Inlet Lateral ID --------		1/3 Down Lateral ID --------		**2/3 Down** Lateral ID --------		**End** Lateral ID --------	
		ml/ 1 min	mlps	ml/ 1 min	mlps	ml/ 1 min	mlps	ml/ 1 min	mlps
Inlet	A	36	0 60	60	1 00	43	0 72	38	0 63
	B	38	0 63	40	0 67	36	0 60	40	0 67
	Avg	37	0 62	50	0 83	39 5	0 66	39	0 65
1/3 Down	A	50	0 83	40	0 67	36	0 60	40	0 67
	B	42	0 70	42	0 70	40	0 67	41	0 68
	Avg	46	0 77	41	0 68	38	0 63	40 5	0 68
2/3 Down	A	42	0 70	38	0 63	36	0 60	34	0 57
	B	18	0 30	40	0 67	34	0 57	34	0 57
	Avg	30	0 50	39	0 65	35	0 58	34	0 57
End	A	35	0 58	72	1 20	32	0 53	30	0 50
	B	46	0 77	38	0 63	38	0 63	40	0 67
	Avg	40 5	0 68	55	0 92	35	0 58	35	0 58

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EMITTER DISCHARGES DATA SHEET 2A, HEAD BLOCK

Farm 243/23 Date 15/12/97 Lateral Age 5 years

Location of Emmiters on Lateral		Location of Lateral on Submain Submain ID 45							
		Inlet Lateral ID 17		**1/3 Down** Lateral ID 17		**2/3 Down** Lateral ID 17		**End** Lateral ID 17	
		ml/ 1 min	mlps	ml/ 1 min	mlps	ml/ 1 min	mlps	ml/ 1 min	mlps
Inlet	A	30	0 50	20	0 33	38	0 63	44	0 73
	B	28	0 47	32	0 53	33	0 55	38	0 63
	Avg	29	0 48	26	0 43	35 5	0 59	41	0 68
1/3 Down	A	0	0 00	16	0 27	10	0 17	0	0 00
	B	0	0 00	0	0 00	34	0 57	24	0 40
	Avg	0	0 00	8	0 13	22	0 37	12	0 20
2/3 Down	A	36	0 60	0	0	18	0 30	0	0 00
	B	20	0 33	0	0	32	0 53	28	0 47
	Avg	28	0 47	0	0	25	0 42	14	0 23
End	A	28	0 47	0	0	10	0 17	0	0 00
	B	36	0 60	0	0	120	2 00	22	0 37
	Avg	32	0 53	0	0	65	1 08	11	0 18

EMITTER DISCHARGES, DATA SHEET 2B, MIDDLE BLOCK

Farm 243 Date 15/12/97 Lateral Age 5 years

Location of Emmiters on Lateral		Location of Lateral on Submain, Submain ID ----------							
		Inlet Lateral ID 12 8		**1/3 Down** Lateral ID 12 8		**2/3 Down** Lateral ID 12 8		**End** Lateral ID 12 8	
		ml/ 1 min	mlps	ml/ 1 min	mlps	ml/ 1 min	mlps	ml/ 1 min	mlps
Inlet	A	58	0 97	54	0 90	52	0 87	50	0 83
	B	60	1 00	56	0 93	34	0 57	70	1 17
	Avg	59	0 98	55	0 92	43	0 72	60	1 00
1/3 Down	A	44	0 73	40	0 67	60	1 00	20	0 33
	B	49	0 82	56	0 93	0	0 00	100	1 67
	Avg	46 5	0 78	48	0 80	30	0 50	60	1 00
2/3 Down	A	42	0 70	0	0 00	58	0 97	80	1 33
	B	0	0 00	56	0 93	0	0 00	0	0 00
	Avg	21	0 35	28	0 47	29	0 48	40	0 67
End	A	0	0 00	0	0	0	0	48	0 80
	B	50	0 83	0	0	0	0	48	0 80
	Avg	25	0 42	0	0	0	0	48	0 80

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EMITTER DISCHARGES, DATA SHEET 2C END BLOCK

Farm 243/23 Date 15/12/97 Lateral Age 5 years

Location of Emmiters on Lateral		Location of Lateral on Submain Submain ID 45							
		Inlet Lateral ID 17		**1/3 Down** Lateral ID 17		**2/3 Down** Lateral ID 17		**End** Lateral ID 17	
		ml/ 1 min	mlps	ml/ 1 min	mlps	ml/ 1 min	mlps	ml/ 1 min	mlps
Inlet	A	230	3 83	30	0 50	40	0 67	88	1 47
	B	50	0 83	170	2 83	20	0 33	44	0 73
	Avg	140	2 33	100	1 67	30	0 50	66	1 10
1/3 Down	A	42	0 70	30	0 50	38	0 63	34	0 57
	B	50	0 83	250	4 17	32	0 53	32	0 53
	Avg	46	0 77	140	2 33	35	0 58	33	0 55
2/3 Down	A	46	0 77	0	0 00	32	0 53	38	0 63
	B	38	0 63	30	0 50	28	0 47	60	1 00
	Avg	42	0 70	15	0 25	30	0 50	49	0 82
End	A	0	0 00	0	0 00	0	0 00	40	0 67
	B	30	0 50	12	0 20	34	0 57	38	0 63
	Avg	15	0 25	6	0 10	17	0 28	39	0 65

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LATERAL LINES AND EMITTERS DATA SHEET 1

Farm 51/24 Date 3/12/97

Lateral	Lateral Pressure kPa (psi)			Contamination[1]
	Inlet	End	= I - E	
Head Block Area 4 416 Du Flowrate 1 ---------- 2 ----------				
1	5 psi	1 5 psi	3 5	3
2	5 psi	1 5 psi	3 5	3
3	5 psi	-	5	3
4	5 psi	-	5	3
Middle Block Area 1 955 Du Flowrate 1 ---------- 2 ----------				
1	5 5 psi	-	5 5	3
2	4 5 psi	0 5 psi	4	3
3	4 5 psi	-	4 5	3
4	5 psi	1 5 psi	3 5	3
End Block Area 1 823 Du Flowrate 1 ---------- --- 2 ----------				
1	6 psi	2 psi	4	3
2	6 psi	2 psi	4	3
3	4 5 psi	1 psi	3 5	3
4	4 5 psi	3 5 psi	1	3

1 Qualitative measure of lateral contamination rate of quantity of material flushed from the line

0 = none 1 = slight 2 = medium 3 = significant

Length of Irrigation

Head Block 4 hours/week

Middle Block 4 hours/week

End Block 4 hours/week

Comments

3 VALVE
3 VALVE
6 VALVE → 13 DUN

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EMITTER DISCHARGES DATA SHEET 2A HEAD BLOCK

Farm 51 Date 3/12/97 Lateral Age ----------

Location of Emmiters on Lateral		Location of Lateral on Submain, Submain ID 50							
		Inlet Lateral ID 20		**1/3 Down** Lateral ID --------		**2/3 Down** Lateral ID --------		**End** Lateral ID --------	
		ml/ 1 min	mlps	ml/ 1 min	mlps	ml/ 1 min	mlps	ml/ 1 min	mlps
Inlet	A	980*	16 33	2100	35 00	500*	8 33	430*	7 17
	B								
	Avg								
1/3 Down	A	680	11 33	1840	30 67	1140*	19 00	860	14 33
	B								
	Avg								
2/3 Down	A	340	5 67	1040	17 33	740	12 33	980	16 33
	B								
	Avg								
End	A	830	13 83	870	14 50	500	8 33	440	7 33
	B								
	Avg								

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EMITTER DISCHARGES DATA SHEET 2B MIDDLE BLOCK

Farm 51 Date 3/12/97 Lateral Age ----------

Location of Emmiters on Lateral		Location of Lateral on Submain Submain ID ----------							
		Inlet Lateral ID 20		**1/3 Down** Lateral ID --------		**2/3 Down** Lateral ID --------		**End** Lateral ID --------	
		ml/ min	mlps	ml/ min	mlps	ml/ min	mlps	ml/ min	mlps
Inlet	A	1000	16 67	2630	43 83	1700	28 33	1340	22 33
	B								
	Avg								
1/3 Down	A	350	6 00	1180	19 67	5000	83 33	1560	26 00
	B								
	Avg								
2/3 Down	A	0	0 00	600	10 00	420	7 00	200	3 33
	B								
	Avg								
End	A	180	3 00	660	11 00	660	11 00	2480	41 33
	B								
	Avg								

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EMITTER DISCHARGES DATA SHEET 2C, END BLOCK

Farm 51 Date 3/12/97 Lateral Age 7 years

Location of Emmiters on Lateral		Location of Lateral on Submain Submain ID ----------							
		Inlet Lateral ID 20		**1/3 Down** Lateral ID --------		**2/3 Down** Lateral ID --------		**End** Lateral ID --------	
		ml/ min	mlps	ml/ min	mlps	ml/ min	mlps	ml/ min	mlps
Inlet	A	2770	46 17	2770	46 17	2380	39 67	2600	43 33
	B								
	Avg								
1/3 Down	A	2000	33 33	2000	33 33	2290	38 17	2150	35 83
	B								
	Avg								
2/3 Down	A	1570	26 17	1570	26 17	2260	37 67	1800	30 00
	B								
	Avg								
End	A	500	8 33	500	8 33	1080	18 00	830	13 83
	B								
	Avg								

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LATERAL LINES AND EMITTERS DATA SHEET 1

Farm 76/24 Date 7/12/97

Lateral	Lateral Pressure kPa (psi)			Contamination[1]
	Inlet	End	= I - E	
Head Block Area 2 25 Du Flowrate 1 ---------- 2 ------ --------- -				
1	30 psi	25 psi	5	1
2	27 psi	25 psi	2	1
3	26 psi	21 5 psi	4 5	1
4	23 5 psi	20 5 psi	2	1
Middle Block Area 2 0 Du Flowrate 1 ---------- 2 ----------				
1	8 5 psi	9 0 psi	-0 5	1
2	7 75 psi	8 5 psi	-0 75	1
3	8 75 psi	9 5 psi	-0 75	1
4	10 5 psi	10 0 psi	0 5	1
End Block Area 2 0 Du Flowrate 1 ---------- 2 - ----------				
1	12 25 psi	13 psi	-0 75	1
2	13 5 psi	12 75 psi	0 75	1
3	7 25 psi	6 0 psi	1 25	1
4	7 5 psi	8 0 psi	0 5	1

1 Qualitative measure of lateral contamination rate of quantity of material flushed f m the line

0 = none 1 = slight 2 = medium 3 = significant

Length of Irrigation

Head Block 2 hours/week

Middle Block 2 hours/week

End Block 2 hours/week

Comments

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EMITTER DISCHARGES DATA SHEET 2A HEAD BLOCK

Farm 76 Date 7/12/97 Lateral Age 2 years

Location of Emmiters on Lateral		Location of Lateral on Submain, Submain ID 50 mm							
		Inlet Lateral ID 16 mm		**1/3 Down** Lateral ID		**2/3 Down** Lateral ID		**End** Lateral ID	
		ml/ min	mlps	ml/ min	mlps	ml/min	mlps	ml/ min	mlps
Inlet	A	120	2 00	90	1 50	90	1 50	102	1 70
	B	110	1 83	76	1 27	94	1 57	98	1 63
	Avg	115	1 92	88	1 47	92	1 53	100	1 67
1/3 Down	A	109	1 82	82	1 37	100	1 67	92	1 53
	B	106	1 77	78	1 30	100	1 67	91	1 52
	Avg	108	1 80	80	1 33	100	1 67	92	1 53
2/3 Down	A	100	1 67	82	1 37	90	1 50	90	1 50
	B	75	1 25	79	1 32	86	1 43	70	1 17
	Avg	88	1 47	81	1 35	88	1 47	80	1 33
End	A	52	0 87	86	1 43	96	1 60	42	0 70
	B	48	0 80	82	1 37	95	1 58	38	0 63
	Avg	50	0 83	84	1 40	96	1 60	40	0 67

EMITTER DISCHARGES, DATA SHEET 2B, MIDDLE BLOCK

Farm 76 Date 7/12/97 Lateral Age 2 years

Location of Emmiters on Lateral		Location of Lateral on Submain, Submain ID 50 mm							
		Inlet Lateral ID 16		**1/3 Down** Lateral ID		**2/3 Down** Lateral ID		**End** Lateral ID	
		ml/min	mlps	ml/ min	mlps	ml/ min	mlps	ml/min	mlps
Inlet	A	60	1 00	62	1 03	58	0 97	30	0 50
	B	58	0 97	60	1 00	56	0 93	32	0 53
	Avg	59	0 98	61	1 02	57	0 95	31	0 52
1/3 Down	A	54	0 90	56	0 93	50	0 83	30	0 50
	B	50	0 83	58	0 97	52	0 87	30	0 50
	Avg	52	0 87	57	0 95	51	0 85	30	0 50
2/3 Down	A	56	0 93	56	0 93	40	0 67	60	1 00
	B	0	0 00	56	0 93	44	0 73	50	0 83
	Avg	28	0 47	56	0 93	42	0 70	55	0 92
End	A	54	0 90	50	0 83	48	0 80	52	0 87
	B	56	0 93	52	0 87	45	0 75	50	0 83
	Avg	55	0 92	51	0 85	47	0 78	51	0 85

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EMITTER DISCHARGES DATA SHEET 2C END BLOCK

Farm 76 Date 7/12/97 Lateral Age 2 years

Location of Emmiters on Lateral		Location of Lateral on Submain, Submain ID ----------							
		Inlet Lateral ID 16 mm		**1/3 Down** Lateral ID --------		**2/3 Down** Lateral ID --------		**End** Lateral ID --------	
		ml/min	mlps	ml/min	mlps	ml/ min	mlps	ml/min	mlps
Inlet	A	[illegible]0	1 17	72	1 20	84	1 40	44	0 73
	B	[illegible]0	1 17	70	1 17	66	1 10	44	0 73
	Avg	[illegible]0	1 17	71	1 18	75	1 25	44	0 73
1/3 Down	A	70	1 17	60	1 00	52	0 87	44	0 73
	B	70	1 17	56	0 93	0	0 00	38	0 63
	Avg	70	1 17	58	0 97	26	0 43	41	0 68
2/3 Down	A	62	1 03	80	1 33	44	0 73	50	0 83
	B	60	1 00	40	0 67	44	0 73	26	0 43
	Avg	61	1 02	60	1 00	44	0 73	38	0 63
End	A	64	1 07	64	1 07	52	0 87	36	0 60
	B	60	1 00	66	1 10	80	1 33	38	0 63
	Avg	62	1 03	65	1 08	66	1 10	37	0 62

LATERAL LINES AND EMITTERS DATA SHEET 1

Farm 4/25 Date 8/12/97

Lateral	Lateral Pressure kPa (psi)			Contamination[1]
	Inlet	End	= I - E	
Head Block Area 1 75 Du Flowrate 1 ---------- 2 ----------				
1	11 25 psi	11 0 psi	0 25	2
2	10 5 psi	8 75 psi	1 75	2
3	10 75 psi	7 5 psi	3 25	2
4	10 25 psi	9 5 psi	0 75	2
Middle Block Area 2 Du Flowrate 1 ---------- 2 ----------				
1	4 0 psi	3 5 psi	0 5	2
2	4 75 psi	4 0 psi	0 75	2
3	4 75 psi	1 0 psi	3 75	2
4	5 25 psi	3 0 psi	2 25	2
End Block Area 1 43 Du Flowrate 1 -- ---- -------- 2 ---------- -----				
1	2 5 psi	1 0 psi	1 5	2
2	1 75 psi	1 75 psi	0	2
3	1 psi	0 9 psi	0 1	2
4	0	0	0	2

1 Qualitative measure of lateral contamination rate of quantity of material flushed from the line

0 = none 1 = slight 2 = medium 3 = significant

Length of Irrigation

Head Block 3 hours/week

Middle Block 3 hours/week

End Block 3 hours/week

Comments

On the same lateral there are more than one diameter (between 16mm and 20mm)

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LATERAL LINES AND EMITTERS DATA SHEET 1

Farm 4/25 Date 8/12/97

Lateral	Lateral Pressure kPa (psi)			Contamination[1]
	Inlet	End	= I - E	
Head Block Area 1 75 Du Flowrate 1 ---------- 2 - -- ----------				
1	11 25 psi	11 0 psi	0 25	2
2	10 5 psi	8 75 psi	1 75	2
3	10 75 psi	7 5 psi	3 25	2
4	10 25 psi	9 5 psi	0 75	2
Middle Block Area 2 Du Flowrate 1 ---------- 2 ---------- --- ----				
1	4 0 psi	3 5 psi	0 5	2
2	4 75 psi	4 0 psi	0 75	2
3	4 75 psi	1 0 psi	3 75	2
4	5 25 psi	3 0 psi	2 25	2
End Block Area 49*29 2 Du Flowrate 1 ------ ----- --- 2 ----- ------ -----				
1	2 5 psi	1 0 psi	1 5	2
2	1 75 psi	1 75 psi	0	2
3	1 psi	0 9 psi	0 1	2
4	0	0	0	2

1 Qua ıtive measure of lateral contamination rate of quantity of material flushed from the line

0 = none 1 = slight 2 = medium 3 = significant

Length of Irrigation

Head Block 3 hours

Middle Block 3 hours

End Block 3 hours

Comments

On the same lateral there are more than one diameter (between 16mm and 20mm)

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EMITTER DISCHARGES, DATA SHEET 2A HEAD BLOCK

Farm 4 Date 8/12/97 Lateral Age ----------

Location of Emmiters on Lateral		Location of Lateral on Submain Submain ID 50 mm							
		Inlet Lateral ID 16		**1/3 Down** Lateral ID --------		**2/3 Down** Lateral ID --------		**End** Lateral ID --------	
		ml/ min	mlps	ml/ min	mlps	ml/ min	mlps	ml/ min	mlps
Inlet	A	34	0 57	36	0 60	30	0 50	22	0 37
	B	20	0 33	24*	0 40	28	0 47	32	0 53
	Avg	27	0 45	30	0 50	29	0 48	27	0 45
1/3 Down	A	16	0 27	30	0 50	30	0 50	24	0 40
	B	0	0 00	0	0 00	28	0 47	23	0 38
	Avg	8	0 13	15	0 25	29	0 48	24	0 40
2/3 Down	A	10	0 17	36	0 60	32	0 53	26	0 43
	B	10	0 17	0	0 00	0	0 00	0	0 00
	Avg	10	0 17	18	0 30	16	0 27	13	0 22
End	A	40*	0 67	12	0 20	26	0 43	420	7 00
	B	14	0 23	4	0 07	0	0 00	70	1 17
	Avg	27*	0 45	8	0 13	13	0 22	245*	4 08

EMITTER DISCHARGES, DATA SHEET 2B, MIDDLE BLOCK

Farm 4 Date 8/12/97 Lateral Age ----------

Location of Emmiters on Lateral		Location of Lateral on Submain, Submain ID ----------							
		Inlet Lateral ID 16		**1/3 Down** Lateral ID --------		**2/3 Down** Lateral ID --------		**End** Lateral ID --------	
		ml/ min	mlps	ml/ min	mlps	ml/ min	mlps	ml/ min	mlps
Inlet	A	36	0 60	32	0 53	26	0 43	44	0 73
	B	32	0 53	30	0 50	0	0 00	0	0 00
	Avg	34	0 57	31	0 52	13	0 22	22	0 37
1/3 Down	A	38	0 63	36	0 60	30	0 50	40	0 67
	B	0	0 00	0	0 00	32	0 53	40	0 67
	Avg	19	0 32	18	0 30	31	0 52	40	0 67
2/3 Down	A	36	0 60	54	0 90	30	0 50	44	0 73*
	B	10	0 17	40	0 67	6	0 10	26	0 43
	Avg	23	0 38	47	0 78	18	0 30	35	0 58
End	A	92	1 53	38	0 63	550*	9 17	24	0 40
	B	0	0 00	32	0 53	0	0 00	8	0 13
	Avg	46	0 77	35	0 58	275	4 58	16	0 27

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EMITTER DISCHARGES DATA SHEET 2C, END BLOCK

Farm 4 Date 8/12/97 Lateral Age ----------

Location of Emmiters on Lateral		Location of Lateral on Submain Submain ID 50 mm							
		Inlet Lateral ID 16 mm		**1/3 Down** Lateral ID --------		**2/3 Down** Lateral ID --------		**End** Lateral ID --------	
		ml/ 1 min	mlps	ml/ 1 min	mlps	ml/ 1 min	mlps	ml/ 1 min	mlps
Inlet	A	520*	8 67	220	3 67	0	0 00	0	0 00
	B	510*	8 50	200	3 33	8	0 13	0	0 00
	Avg	515*	8 58	210	3 50	4	0 07	0	0 00
1/3 Down	A	36	0 60	108	1 80	82	1 37	0	0 00
	B	110	1 83	80	1 33	75	1 25	0	0 00
	Avg	73	1 22	94	1 57	79	1 32	0	0 00
2/3 Down	A	250	4 17	340*	#VALUE!	208*		0	0 00
	B	46	0 77	28	0 47	206*	3 43	0	0 00
	Avg	148*	2 47	184*	3 07	207*	3 45	0	0 00
End	A	0	0 00	36	0 60	180*	3 00	0	0 00
	B	0	0 00	52	0 87	0	0 00	0	0 00
	Avg	0	0 00	44	0 73	90*	1 50	0	0 00

LATERAL LINES AND EMITTERS DATA SHEET 1

Farm 31/25 Date 7/12/97

Lateral	Lateral Pressure kPa (psi)			Contamination[1]
	Inlet	End	= I - E	
Head Block Area 1 13 Du Flowrate 1 -- ---------- 2 --- - -------- -				
1	4 0	4 1	-0 1	0
2	4 0	5 1	-1 1	0
3	38 0	4 2	33 8	0
4	3 2	4 0	-0 8	0
Middle Block Area 1 13 Du Flowrate 1 ---------- -- 2 ------- ---- -----				
1	4 5	3 5	1	0
2	3 8	2 8	1	0
3	3 0	2 4	0 6	0
4	2 0	2 0	0	0
End Block Area 1 13 Du Flowrate 1 ---------- --- 2 ----- - - --------				
1	5 0	6 8	-1 8	0
2	6 0	5 8	0 2	0
3	6 0	8 0	-2	0
4	6 0	8 0	-2	0

1 Qualitative measure of lateral contamination rate of quantity of material flushed from the line

0 = none 1 = slight 2 = medium 3 = significant

Length of Irrigation

Head Block 3-4 hours/20 days

Middle Block 20 min /4 days

End Block 2 hours/4 days

Comments

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EMI ITER DISCHARGES, DATA SHEET 2A HEAD BLOCK

Farn 31 Date 7/12/97 Lateral Age 1 year

Location of Emmiters on Lateral		Location of Lateral on Submain Submain ID ----------							
		Inlet Lateral ID 16		**1/3 Down** Lateral ID 16		**2/3 Down** Lateral ID 16		**End** Lateral ID 16	
		ml/ min	1 mlps	ml/ 1 min	1 mlps	ml/ 1 min	1 mlps	ml/ 1 min	1 mlps
Inlet	A	0	0 50	22	0 37	24	0 40	24	0 40
	B	2	0 53	30	0 50	26	0 43	26	0 43
	Avg	1	0 52	26	0 43	25	0 42	25	0 42
1/3 Down	A	26	0 43	26	0 43	24	0 40	24	0 40
	B	0	0 17	16	0 27	26	0 43	24	0 40
	Avg	8	0 30	21	0 35	25	0 42	24	0 40
2/3 Down	A	28	0 47	30	0 50	26	0 43	24	0 40
	B	30	0 50	16	0 27	22	0 37	24	0 40
	Avg	29	0 48	23	0 38	24	0 40	24	0 40
End	A	18	0 30	36	0 60	32	0 53	28	0 47
	B	30	0 50	30	0 50	30	0 50	24	0 40
	Avg	24	0 40	33	0 55	31	0 52	26	0 43

EMITTER DISCHARGES, DATA SHEET 2B, MIDDLE BLOCK

Farm 31 Date 7/12/97 Lateral Age 1 year

Location of Emmiters on Lateral		Location of Lateral on Submain Submain ID ----------							
		Inlet Lateral ID 16		**1/3 Down** Lateral ID --------		**2/3 Down** Lateral ID --------		**End** Lateral ID --------	
		ml/ min	mlps	ml/ 1 min	mlps	ml/ 1 min	mlps	ml/ 1 min	mlps
Inlet	A	24	0 40	10	0 17	47	0 78	40	0 67
	B	22	0 37	0	0 00	50	0 83	40	0 67
	Avg	23	0 38	5	0 08	48 5	0 81	40	0 67
1/3 Down	A	24	0 40	10	0 17	46	0 77	42	0 70
	B	24	0 40	10	0 17	50	0 83	44	0 73
	Avg	24	0 40	10	0 17	48	0 80	43	0 72
2/3 Down	A	18	0 30	18	0 30	46	0 77	48	0 80
	B	18	0 30	18	0 30	52	0 87	40	0 67
	Avg	18	0 30	18	0 30	49	0 82	44	0 73
End	A	28	0 47	22	0 37	45	0 75	42	0 70
	B	24	0 40	0	0 00	46	0 77	42	0 70
	Avg	26	0 43	11	0 18	45 5	0 76	42	0 70

EMITTER DISCHARGES, DATA SHEET 2C END BLOCK

Farm 31 Date 7/12/97 Lateral Age 1 year

Location of Emmiters on Lateral		Location of Lateral on Submain, Submain ID ----------							
		Inlet Lateral ID 20		**1/3 Down** Lateral ID 20		**2/3 Down** Lateral ID 20		**End** Lateral ID 20	
		ml/ 1 min	mlps	ml/ 1 min	mlps	ml/ 1 min	mlps	ml/ 1 min	mlps
Inlet	A	40	0 67	42	0 70	38	0 63	42	0 70
	B	48	0 80	68	1 13	72	1 20	40	0 67
	Avg	44	0 73	55	0 92	55	0 92	41	0 68
1/3 Down	A	38	0 63	42	0 70	40	0 67	36	0 60
	B	8	1 30	44	0 73	40	0 67	36	0 60
	Avg	58	0 97	43	0 72	40	0 67	36	0 60
2/3 Down	A	38	0 63	42	0 70	42	0 70	48	0 80
	B	40	0 67	42	0 70	40	0 67	48	0 80
	Avg	39	0 65	42	0 70	41	0 68	48	0 80
End	A	50	0 83	40	0 67	50	0 83	46	0 77
	B	46	0 77	42	0 70	44	0 73	46	0 77
	Avg	48	0 80	41	0 68	47	0 78	46	0 77

LATERAL LINES AND EMITTERS DATA SHEET 1

Farm 33/25 Date ---------

Lateral	Lateral Pressure kPa (psi)			Contamination[1]
	Inlet	End	= I - E	
Head Block Area 2 Du Flowrate 1 --- ---------- 2 -- ----------				
1	8	8	0	1
2	8	7 75	0 25	1
3	7	7 35	-0 35	1
4	6 9	6 75	0 15	1
Middle Block Area 2 16 m2 Flowrate 1 ---------- 2 ----------				
1	7	5 75	1 25	1
2	6 75	5	1 75	1
3	6 9	5 25	1 65	1
4	5 2	7 1	-1 9	1
End Block Area 2 Du Flowrate 1 ---------- 2 ---------- ------				
1	7	8 75	-1 75	1
2	6 75	7 75	-1	1
3	6 5	7 75	1 25	1
4	5 9	5 9	0	1

1 Qualitative measure of lateral contamination rate of quantity of material flushed from the line

0 = none 1 = slight 2 = medium 3 = significant

Length of Irrigation

Head Block 3 hours/15 days

Middle Block 8 hours/10 days

End Block 2 hours/week

Comments

LATERAL LINES AND EMITTERS DATA SHEET 1

Farm 33/25 Date ---------

Lateral	Lateral Pressure kPa (psi)			Contamination[1]
	Inlet	End	= I - E	
Head Block Area 2 Du Flowrate 1 ---------- 2 ----------				
1	8	8	0	1
2	8	7 75	0 25	1
3	7	7 35	-0 35	1
4	6 9	6 75	0 15	1
Middle Block Area 2 16 m2 Flowrate 1 ---------- 2 ----------				
1	7	5 75	1 25	1
2	6 75	5	1 75	1
3	6 9	5 25	1 65	1
4	5 2	7 1	-1 9	1
End Block Area 2 Du Flowrate 1 ----- ---------- 2 --------- --------				
1	7	8 75	-1 75	1
2	6 75	7 75	-1	1
3	6 5	7 75	-1 25	1
4	5 9	5 9	0	1

1 Qualitative measure of lateral contamination, rate of quantity of material flushed from the line

0 = none 1 = slight 2 = medium 3 = significant

Length of Irrigation

Head Block 3 hours

Middle Block 8 hours

End Block 2 hours

Comments

EMITTER DISCHARGES, DATA SHEET 2A HEAD BLOCK

Farr 33 Date Lateral Age ----------

Location of Emmiters on Lateral		Location of Lateral on Submain Submain ID ----------							
		Inlet Lateral ID 16		**1/3 Down** Lateral ID 16		**2/3 Down** Lateral ID 16		**End** Lateral ID 16	
		ml/ 1 min	mlps	ml/ 1 min	mlps	ml/ 1 min	mlps	ml/ 1 min	mlps
Inlet	A	46	0 77	44	0 73	42	0 70	44	0 73
	B	48	0 80	46	0 77	48	0 80	46	0 77
	Avg	47	0 78	45	0 75	45	0 75	45	0 75
1/3 Down	A	46	0 77	42	0 70	46	0 77	47	0 78
	B	44	0 73	42	0 70	44	0 73	36	0 60
	Avg	45	0 75	42	0 70	45	0 75	41 5	0 69
2/3 Down	A	40	0 67	40	0 67	42	0 70	42	0 70
	B	38	0 63	42	0 70	36	0 60	40	0 67
	Avg	39	0 65	41	0 68	39	0 65	41	0 68
End	A	40	0 67	44	0 73	40	0 67	36	0 60
	B	44	0 73	38	0 63	0	0 00	38	0 63
	Avg	42	0 70	41	0 68	20	0 33	37	0 62

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EMITTER DISCHARGES, DATA SHEET 2B MIDDLE BLOCK

Farm 33 Date Lateral Age

Location of Emmiters on Lateral		Location of Lateral on Submain Submain ID ----------							
		Inlet Lateral ID 16		**1/3 Down** Lateral ID --------		**2/3 Down** Lateral ID --------		**End** Lateral ID --------	
		ml/ 1 min	mlps	ml/ 1 min	mlps	ml/ 1 min	mlps	ml/ 1 min	mlps
Inlet	A	54	0 90	44	0 73	48	0 80	42	0 70
	B	51	0 85	46	0 77	46	0 77	44	0 73
	Avg	52 5	0 88	45	0 75	47	0 78	43	0 72
1/3 Down	A	48	0 80	40	0 67	50	0 83	0	0 00
	B	50	0 83	41	0 68	48	0 80	42	0 70
	Avg	49	0 82	40 5	0 68	49	0 82	21	0 35
2/3 Down	A	46	0 77	44	0 73	44	0 73	44	0 73
	B	44	0 73	42	0 70	46	0 77	40	0 67
	Avg	45	0 75	43	0 72	45	0 75	42	0 70
End	A	44	0 73	44	0 73	40	0 67	40	0 67
	B	41	0 68	40	0 67	41	0 68	39	0 65
	Avg	42 5	0 71	42	0 70	40 5	0 68	39 5	0 658333

EMITTER DISCHARGES DATA SHEET 2C END BLOCK

Farm 33/25 Date Lateral Age

Location of Emmiters on Lateral		Location of Lateral on Submain, Submain ID 50							
		Inlet Lateral ID 16		**1/3 Down** Lateral ID --------		**2/3 Down** Lateral ID --------		**End** Lateral ID --------	
		ml/ 1 min	mlps	ml/ 1 min	mlps	ml/ 1 min	mlps	ml/ 1 min	mlps
Inlet	A	48	0 80	57	0 95	40	0 67	47	0 78
	B	48	0 80	50	0 83	42	0 70	48	0 80
	Avg	48	0 80	53 5	0 89	41	0 68	47 5	0 79
1/3 Down	A	48	0 80	48	0 80	40	0 67	43	0 72
	B	47	0 78	46	0 77	41	0 68	42	0 70
	Avg	47 5	0 79	47	0 78	40 5	0 68	42 5	0 71
2/3 Down	A	48	0 80	46	0 77	40	0 67	40	0 67
	B	47	0 78	45	0 75	40	0 67	41	0 68
	Avg	47 5	0 79	45 5	0 76	40	0 67	40 5	0 68
End	A	0	0 00	48	0 80	43	0 72	0	0 00
	B	40	0 67	46	0 77	44	0 73	0	0 00
	Avg	20	0 33	47	0 78	43 5	0 73	0	0 00

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LATERAL LINES AND EMITTERS DATA SHEET 1

Farm 89/25 Date 2/12/97

Lateral	Lateral Pressure kPa (psi)			Contamination[1]
	Inlet	End	I - E	
Head Block Area 2 5 Du Flowrate 1 -- ---------- 2 ---- ----------				
1	6 3 psi	5 5 psi	0 8	3
2	5 5 psi	4 5 psi	1	3
3	5 2 psi	5 0 psi	0 2	3
4	5 5 psi	4 5 psi	1	3
Middle Block Area 2 11 Du Flowrate 1 ---------- 2 ---------- --				
1	1 0 bar	0 5 bar	0 5	3
2	0 9 bar	0 6 bar	0 3	3
3	0 65 bar	0 6 bar	0 05	3
4	0 6 bar	0 2 bar	0 4	3
End Block Area 2 12 Du Flowrate 1 ---------- 2 --- ----- ----- --				
1	6 5 psi	6 0 psi	0 5	3
2	6 5 psi	7 0 psi	-0 5	3
3	14 psi	8 5 psi	5 5	3
4	13 psi	6 5 psi	6 5	3

1 Qualitative measure of lateral contamination rate of quantity of material flushed from the line

0 = none 1 = slight 2 = medium 3 = significant

Length of Irrigation

Head Block 4 hours/week

Middle Block 4 hours/week

End Block 1 5 hours/week

Comments

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EMITTER DISCHARGES, DATA SHEET 2A HEAD BLOCK

Farm 89 Date 2/12/97 Lateral Age 2 years

Location of Emmiters on Lateral		Location of Lateral on Submain, Submain ID ----------							
		Inlet Lateral ID 16		**1/3 Down** Lateral ID --------		**2/3 Down** Lateral ID --------		**End** Lateral ID --------	
		ml/ min	mlps	ml/ min	mlps	ml/ min	mlps	ml/ min	mlps
Inlet	A	55	0 92	50	0 83	36	0 60	50	0 83
	B	41	0 68	30	0 50	44	0 73	38	0 63
	Avg	48	0 80	40	0 67	40	0 67	44	0 73
1/3 Down	A	40	0 67	27	0 45	45	0 75	33	0 55
	B	40	0 67	25	0 42	31	0 52	45	0 75
	Avg	40	0 67	26	0 43	38	0 63	39	0 65
2/3 Down	A	33	0 55	40	0 67	37	0 62	41	0 68
	E	35	0 58	24	0 40	37	0 62	35	0 58
	Avg	34	0 57	32	0 53	37	0 62	38	0 63
End	A	32	0 53	39	0 65	35	0 58	38	0 63
	B	28	0 47	45	0 75	37	0 62	38	0 63
	Avg	30	0 50	42	0 70	36	0 60	38	0 63

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EMITTER DISCHARGES, DATA SHEET 2B MIDDLE BLOCK

Farm 89 Date 2/12/97 Lateral Age 2 years

Location of Emmiters on Lateral		Location of Lateral on Submain Submain ID ----------							
		Inlet Lateral ID 16		**1/3 Down** Lateral ID --------		**2/3 Down** Lateral ID --------		**End** Lateral ID --------	
		ml/ min	mlps	ml/ min	mlps	ml/ min	mlps	ml/ min	mlps
Inlet	A	50	0 83	66	1 10	50	0 83	50	0 83
	B	54	0 90	64	1 07	40	0 67	22	0 37
	Avg	52	0 87	65	1 08	45	0 75	36	0 60
1/3 Down	A	63	1 05	70	1 17	44	0 73	41	0 68
	B	61	1 02	50	0 83	44	0 73	27	0 45
	Avg	62	1 03	60	1 00	44	0 73	34	0 57
2/3 Down	A	75	1 25	61	1 02	30	0 50	43	0 72
	B	69	1 15	55	0 92	32	0 53	25	0 42
	Avg	72	1 20	58	0 97	31	0 52	34	0 57
End	A	28	0 47	36	0 60	40	0 67	17	0 28
	B	28	0 47	32	0 53	16	0 27	31	0 52
	Avg	28	0 47	34	0 57	28	0 47	24	0 40

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EMITTER DISCHARGES, DATA SHEET 2C END BLOCK

Farm 89/25 Date 2/12/97 Lateral Age 2 years

Location of Emmiters on Lateral		Location of Lateral on Submain Submain ID ----------							
		Inlet Lateral ID 16		**1/3 Down** Lateral ID --------		**2/3 Down** Lateral ID --------		**End** Lateral ID --------	
		ml/ min	mlps	ml/ min	mlps	ml/ min	mlps	ml/ min	mlps
Inlet	A	34	0 57	39	0 65	60	1 00	33	0 55
	B	30	0 50	33	0 55	48	0 80	27	0 45
	Avg	32	0 53	36	0 60	54	0 90	30	0 50
1/3 Down	A	33	0 55	32	0 53	48	0 80	26	0 43
	B	31	0 52	28	0 47	50	0 83	30	0 50
	Avg	32	0 53	30	0 50	49	0 82	28	0 47
2/3 Down	A	35	0 58	30	0 50	40	0 67	25	0 42
	B	29	0 48	20	0 33	50	0 83	15	0 25
	Avg	32	0 53	25	0 42	45	0 75	20	0 33
End	A	35	0 58	22	0 37	41	0 68	24	0 40
	B	33	0 55	18	0 30	39	0 65	24	0 40
	Avg	34	0 57	20	0 33	40	0 67	24	0 40

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LATERAL LINES AND EMITTERS DATA SHEET 1

Farm 116/25 Date ---------

Lateral	Lateral Pressure kPa (psi)			Contamination[1]
	Inlet	End	= I - E	
Head Block Area 1 19 Du Flowrate 1 ---------- 2 ---------- ----				
1	8 0 psi	6 5 psi	2 5	1
2	7 75 psi	7 0 psi	0 75	1
3	8 0 psi	7 25 psi	0 75	1
4	8 5 psi	8 0 psi	0 5	1
Middle Block Area 2 75 Du Flowrate 1 ---------- 2 ----------				
1	6 0 psi	4 5 psi	1 5	1
2	6 5 psi	4 25 psi	2 25	1
3	7 0 psi	5 0 psi	2	1
4	7 0 psi	4 75 psi	2 25	1
End Block Area 1 51 Du Flowrate 1 ---------- 2 ----------				
1	5 5 psi	5 0 psi	0 5	1
2	6 0 psi	5 0 psi	1	1
3	6 0 psi	5 25 psi	0 75	1
4	7 0 psi	6 0 psi	1	1

1 Qualitative measure of lateral contamination rate of quantity of material flushed from the line

0 = none 1 = slight 2 = medium 3 = significant

Length of Irrigation

Head Block 8 hours/week

Middle Block 8 hours/week

End Block 8 hours/week

Comments

EMI"TER DISCHARGES, DATA SHEET 2A HEAD BLOCK

Farm 116 Date ---------- Lateral Age ----------

Location of Emmiters on Lateral		Location of Lateral on Submain Submain ID 2 5 inch							
		Inlet La eral ID 16 mm		**1/3 Down** Lateral ID --------		**2/3 Down** Lateral ID --------		**End** Lateral ID --------	
		ml/ min	mlps	ml/ min	mlps	ml/ min	mlps	ml/ min	mlps
Inlet	A	52	0 87	56	0 93	52	0 87	100	1 67
	B	44	0 73	60	1 00	62	1 03	60	1 00
	Avg	48	0 80	58	0 97	57	0 95	80	1 33
1/3 Down	A	56	0 93	54	0 90	36	0 60	58	0 97
	B	52	0 87	54	0 90	36	0 60	40	0 67
	Avg	54	0 90	54	0 90	36	0 60	49	0 82
2/3 Down	A	40	0 67	44	0 73	58	0 97	54	0 90
	B	58	0 97	52	0 87	64	1 07	48	0 80
	Avg	49	0 82	48	0 80	61	1 02	51	0 85
End	A	48	0 80	52	0 87	56	0 93	36	0 60
	B	54	0 90	52	0 87	56	0 93	46	0 77
	Avg	51	0 85	52	0 87	56	0 93	41	0 68

EMITTER DISCHARGES DATA SHEET 2B MIDDLE BLOCK

Farm 116 Date -------- ----- Lateral Age ----------

Location of Emmiters on Lateral		Location of Lateral on Submain Submain ID 2 5 inch							
		Inlet Lateral ID 16 mm		**1/3 Down** Lateral ID --------		**2/3 Down** Lateral ID --------		**End** Lateral ID --------	
		ml/ min	mlps	ml/ min	mlps	ml/ min	mlps	ml/ min	mlps
Inlet	A	56	0 93	48	0 80	46	0 77	32	0 53
	B	52	0 87	46	0 77	52	0 87	36	0 60
	Avg	54	0 90	47	0 78	49	0 82	34	0 57
1/3 Down	A	16	0 27	48	0 80	44	0 73	40	0 67
	B	12	0 20	38	0 63	50	0 83	30	0 50
	Avg	14	0 23	43	0 72	47	0 78	35	0 58
2/3 Down	A	32	0 53	36	0 60	30	0 50	46	0 77
	B	40	0 67	38	0 63	48	0 80	46	0 77
	Avg	36	0 60	37	0 62	39	0 65	46	0 77
End	A	42	0 70	48	0 80	42	0 70	44	0 73
	B	44	0 73	46	0 77	50	0 83	52	0 87
	Avg	43	0 72	47	0 78	46	0 77	48	0 80

EMITTER DISCHARGES, DATA SHEET 2C END BLOCK

Farm 116 Date ---------- Lateral Age ----------

Location of Emmiters on Lateral		Location of Lateral on Submain Submain ID ----------							
		Inlet Lateral ID --------		**1/3 Down** Lateral ID --------		**2/3 Down** Lateral ID --------		**End** Lateral ID --------	
		ml/ min	mlps	ml/ min	mlps	ml/ min	mlps	ml/ min	mlps
Inlet	A	24	0 40	43	0 72	48	0 80	46	0 77
	B	36	0 60	42	0 70	42	0 70	44	0 73
	Avg	30	0 50	42 5	0 71	45	0 75	45	0 75
1/3 Down	A	44	0 73	40	0 67	44	0 73	44	0 73
	B	42	0 70	41	0 68	42	0 70	43	0 72
	Avg	43	0 72	40 5	0 68	43	0 72	43 5	0 73
2/3 Down	A	48	0 80	42	0 70	22	0 37	44	0 73
	B	44	0 73	40	0 67	44	0 73	39	0 65
	Avg	46	0 77	41	0 68	33	0 55	41 5	0 69
End	A	32	0 53	24	0 40	40	0 67	38	0 63
	B	48	0 80	36	0 60	42	0 70	40	0 67
	Avg	40	0 67	30	0 50	41	0 68	39	0 65

LATERAL LINES AND EMITTERS DATA SHEET 1

Farm 174/25 Date ---------

Lateral	Lateral Pressure, kPa (psi)			Contamination[1]
	Inlet	End	= I - E	
Head Block Area 2 14 Du Flowrate 1 ---------- 2 ----------				
1	14 25	10 75	3 5	1
2	13 9	11 25	2 65	1
3	13 6	10 9	2 7	1
4	13 3	10	3 3	1
Middle Block Area 2 14 Du Flowrate 1 ---------- 2 ----------				
1	6	6	0	1
2	6 25	4 1	2 15	1
3	6	6	0	1
4	6	6	0	1
End Block Area 2 14 Du Flowrate 1 --------- ------ 2 - -- ----------				
1	3	4	-1	1
2	3	3 5	-0 5	1
3	3	3 5	-0 5	1
4	3 6	4 1	-0 5	1

1 Qualitative measure of lateral contamination rate of quantity of material flushed from the line

0 = none 1 = slight 2 = medium 3 = significant

Length of Irrigation

Head Block 5 hours

Middle Block 5 hours

End Block 5 hours

Comments

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EMI TER DISCHARGES DATA SHEET 2A HEAD BLOCK

Farm 174 Date ---------- Lateral Age ----------

Location of Emmiters on Lateral		Location of Lateral on Submain Submain ID 63 mm							
		Inlet Lateral ID 16		**1/3 Down** Lateral ID --------		**2/3 Down** Lateral ID --------		**End** Lateral ID --------	
		ml/ min	mlps	ml/ min	mlps	ml/ min	mlps	ml/ min	mlps
Inlet	A	62	1 03	62	1 03	46	0 77	30	0 50
	B	60	1 00	50	0 83	50	0 83	74	1 23
	Avg	61	1 02	56	0 93	48	0 80	52	0 87
1/3 Down	A	52	0 87	52	0 87	50	0 83	60	1 00
	B	52	0 87	56	0 93	52	0 87	62	1 03
	Avg	52	0 87	54	0 90	51	0 85	61	1 02
2/3 Down	A	62	1 03	52	0 87	50	0 83	48	0 80
	B	0	1 00	58	0 97	54	0 90	56	0 93
	Avg	61	1 02	55	0 92	52	0 87	52	0 87
End	A	44	0 73	50	0 83	48	0 80	54	0 90
	B	54	0 90	48	0 80	54	0 90	60	1 00
	Avg	49	0 82	49	0 82	51	0 85	57	0 95

EMITTER DISCHARGES, DATA SHEET 2B, MIDDLE BLOCK

Farm 174 Date ---------- Lateral Age ----------

Location of Emmiters on Lateral		Location of Lateral on Submain Submain ID 1 5							
		Inlet Lateral ID --------		**1/3 Down** Lateral ID --------		**2/3 Down** Lateral ID --------		**End** Lateral ID --------	
		ml/ min	mlps	ml/ min	mlps	ml/ min	mlps	ml/ min	mlps
Inlet	A	44	0 73	48	0 80	36	0 60	32	0 53
	B	40	0 67	48	0 80	44	0 73	39	0 65
	Avg	42	0 70	48	0 80	40	0 67	35 5	0 59
1/3 Down	A	36	0 60	44	0 73	40	0 67	30	0 50
	B	36	0 60	36	0 60	44	0 73	32	0 53
	Avg	36	0 60	40	0 67	42	0 70	31	0 52
2/3 Down	A	32	0 53	44	0 73	40	0 67	40	0 67
	B	32	0 53	40	0 67	36	0 60	40	0 67
	Avg	32	0 53	42	0 70	38	0 63	40	0 67
End	A	32	0 53	40	0 67	40	0 67	32	0 53
	B	36	0 60	48	0 80	44	0 73	44	0 73
	Avg	34	0 57	44	0 73	42	0 70	38	0 63

EMITTER DISCHARGES DATA SHEET 2C, END BLOCK

Farm 174 Date ------ ---- Lateral Age ----------

Location of Emmiters on Lateral		Location of Lateral on Submain, Submain ID ----------							
		Inlet Lateral ID --------		**1/3 Down** Lateral ID --------		**2/3 Down** Lateral ID --------		**End** Lateral ID --------	
		ml/ min	mlps	ml/ min	mlps	ml/ min	mlps	ml/ min	mlps
Inlet	A	20	0 33	12	0 20	32	0 53	12	0 20
	B	28	0 47	12	0 20	32	0 53	32	0 53
	Avg	24	0 40	12	0 20	32	0 53	22	0 37
1/3 Down	A	28	0 47	12	0 20	32	0 53	32	0 53
	B	28	0 47	16	0 27	28	0 47	36	0 60
	Avg	28	0 47	14	0 23	30	0 50	34	0 57
2/3 Down	A	30	0 50	26	0 43	28	0 47	20	0 33
	B	32	0 53	28	0 47	36	0 60	32	0 53
	Avg	31	0 52	27	0 45	32	0 53	26	0 43
End	A	32	0 53	28	0 47	28	0 47	32	0 53
	B	16	0 27	23	0 38	36	0 60	20	0 33
	Avg	24	0 40	25 5	0 43	32	0 53	26	0 43

LATERAL LINES AND EMITTERS DATA SHEET 1

Farm 178/25 Date 2/12/97

Lateral	Lateral Pressure kPa (psi)			Contamination[1]
	Inlet	End	= I - E	
Head Block Area 1 248 Du Flowrate 1 ---------- 2 ---- ----------				
1	2 0	1 8	0 2	0
2	2 4	1 2	1 2	0
3	2 4	2 2	0 2	0
4	2 8	2 8	0 0	0
Middle Block Area 2 017 Du Flowrate 1 ---------- 2 ----------				
1	3 5	3 2	0 3	0
2	4 0	3 6	1 4	0
3	4 5	4 0	0 5	0
4	4 8	4 0	0 8	0
End Block Area 1 98 Du Flowrate 1 ---------- 2 ---------- ---- -				
1	3 8	3 0	0 8	0
2	4 1	3 2	0 9	0
3	4 0	3 5	0 5	0
4	4 5	3 5	1 0	0

1 Qualitative measure of lateral contamination, rate of quantity of material flushed from the line

0 = none 1 = slight 2 = medium 3 = significant

Length of Irrigation

Head Block 2 5 hours/2 days

Middle Block 2 5 hours/2 days

End Block 2 5 hours/2 days

Comments

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EMITTER DISCHARGES, DATA SHEET 2A HEAD BLOCK

Farm 178 Date 2/12/97 Lateral Age ----------

Location of Emmiters on Lateral		Location of Lateral on Submain Submain ID ----------							
		Inlet Lateral ID --------		**1/3 Down** Lateral ID --------		**2/3 Down** Lateral ID --------		**End** Lateral ID --------	
		ml/ 1 min	mlps	ml/ 1 min	mlps	ml/ 1 min	mlps	ml/ 1 min	mlps
Inlet	A	52	0 87	110	1 83	18	0 30	38	0 63
	B	74	1 23	380	6 33	72	1 20	48	0 80
	Avg	63	1 05	245	4 08	45	0 75	43	0 72
1/3 Down	A	0	0 00	92	1 53	0	0 00	26	0 43
	B	24	0 40	5	0 08	5	0 08	28	0 47
	Avg	12	0 20	48 5	0 81	2 5	0 04	27	0 45
2/3 Down	A	86	1 43	127	2 12	0	0 00	0	0 00
	B	107	1 78	117	1 95	76	1 27	16	0 27
	Avg	96 5	1 61	122	2 03	38	0 63	8	0 13
End	A	20	0 33	49	0 82	18	0 30	0	0 00
	B	16	0 27	16	0 27	22	0 37	24	0 40
	Avg	36	0 60	65	1 08	40	0 67	24	0 40

EMITTER DISCHARGES, DATA SHEET 2B MIDDLE BLOCK

Farm 178 Date 2/12/97 Lateral Age ----------

Location of Emmiters on Lateral		Location of Lateral on Submain Submain ID ----------							
		Inlet Lateral ID 67*30 1		**1/3 Down** Lateral ID --------		**2/3 Down** Lateral ID --------		**End** Lateral ID --------	
		ml/ 1 min	mlps	ml/ 1 min	mlps	ml/ 1 min	mlps	ml/ 1 min	mlps
Inlet	A	18	0 3	28	0 47	30	0 50	36	0 60
	B	24	0 4	31	0 52	26	0 43	35	0 58
	Avg	21	0 35	29 5	0 49	28	0 47	35 5	0 59
1/3 Down	A	22	0 37	24	0 40	18	0 30	26	0 43
	B	5	0 08	25	0 42	0	0 00	20	0 33
	Avg	13 5	0 23	24 5	0 41	9	0 15	23	0 38
2/3 Down	A	22	0 37	14	0 23	32	0 53	30	0 50
	E	24	0 40	30	0 50	26	0 43	14	0 23
	Avg	23	0 38	32	0 53	29	0 48	22	0 37
End	A	26	0 43	30	0 50	10	0 17	30	0 50
	B	18	0 30	24	0 40	34	0 57	0	0 00
	Avg	22	0 37	27	0 45	17	0 28	15	0 25

EMITTER DISCHARGES DATA SHEET 2C END BLOCK

Farm 178 /25 Date 2/12/97 Lateral Age New

Location of Emmiters on Lateral		Location of Lateral on Submain, Submain ID ----------							
		Inlet Lateral ID --------		**1/3 Down** Lateral ID --------		**2/3 Down** Lateral ID --------		**End** Lateral ID --------	
		ml/ 1 min	mlps	ml/ 1 min	mlps	ml/ 1 min	mlps	ml/ 1 min	mlps
Inlet	A	32	0 53	32	0 53	32	0 53	34	0 57
	B	34	0 57	24	0 40	34	0 57	34	0 57
	Avg	33	0 55	28	0 47	33	0 55	34	0 57
1/3 Down	A	32	0 53	34	0 57	22	0 37	30	0 50
	B	28	0 47	30	0 50	32	0 53	30	0 50
	Avg	30	0 50	32	0 53	27	0 45	30	0 50
2/3 Down	A	34	0 57	30	0 50	32	0 53	34	0 57
	B	26	0 43	32	0 53	30	0 50	30	0 50
	Avg	30	0 50	31	0 52	31	0 52	32	0 53
End	A	28	0 47	28	0 47	28	0 47	34	0 57
	B	26	0 43	28	0 47	30	0 50	30	0 50
	Avg	27	0 45	28	0 47	29	0 48	32	0 53

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LATERAL LINES AND EMITTERS DATA SHEET 1

Farm 226/25 Date 4/12/97

Lateral	Lateral Pressure kPa (psi)			Contamination[1]
	Inlet	End	= I - E	
Head Block Area 1 613 Du Flowrate 1 --------- ------ 2 -------- --- --- -				
1	6 5 psi	1 25 psi	5 25	2
2	6 0 psi	1 25 psi	4 75	2
3	5 0 psi	1 5 psi	3 5	2
4	5 0 psi	1 25 psi	3 75	2
Middle Block Area 2 5 Du Flowrate 1 ---------- 2 ----------				
1	6 0 psi	1 5 psi	4 5	2
2	5 5 psi	1 5 psi	4	2
3	4 5 psi	1 5 psi	3	2
4	4 0 psi	2 5 psi	1 5	2
End Block Area 2 5 Du Flowrate 1 ------ ------- - 2 ---------- ---				
1	11 0 psi	3 0 psi	8	2
2	9 0 psi	1 5 psi	7 5	2
3	6 5 psi	1 75 psi	4 75	2
4	6 0 psi		6	2

1 Qualitative measure of lateral contamination rate of quantity of material flushed from the line

0 = none 1 = slight 2 = medium 3 = significant

Length of Irrigation

Head Block 4 hours/4 days

Middle Block 4 hours/4 days

End Block 4 hours/4 days

Comments

Length of irrigation depends on the pressure of water if it was high it will irrigate 5 dunums for 8 hours if it was low it will irrigate 2 5 dunums for 4 hours

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EMITTER DISCHARGES DATA SHEET 2A HEAD BLOCK

Farm 226 Date 4/12/97 Lateral Age 2 years

Location of Emmiters on Lateral		Location of Lateral on Submain Submain ID 1 5 inch							
		Inlet Lateral ID 20 mm		**1/3 Down** Lateral ID --------		**2/3 Down** Lateral ID --------		**End** Lateral ID --------	
		ml/ 1 min	mlps	ml/ 1 min	mlps	ml/ 1 min	mlps	ml/ 1 min	mlps
Inlet	A	700	11 67	1200	20 00	1560	26 00	475	7 92
	B	0	0 00	0	0 00	0	0 00	475	7 92
	Avg	350	5 83	600	10 00	780	13 00	475	7 92
1/3 Down	A	520	8 67	0	0 00	560	9 33	380	6 33
	B	390	6 50	650	10 83	1000	16 67	380	6 33
	Avg	455	7 58	650	10 83	780	13 00	380	6 33
2/3 Down	A	680	11 33	0	0 00	195	3 25	660	11 00
	B	0	0 00	600	10 00	195	3 25	420	7 00
	Avg	340	5 67	300	5 00	195	3 25	540	9 00
End	A	460	7 67	760	12 67	490	8 17	560	9 33
	B	450	7 50	720	12 00	490	8 17	400	6 67
	Avg	455	7 58	740	12 33	490	8 17	480	8 00

EMITTER DISCHARGES, DATA SHEET 2B MIDDLE BLOCK

Farm 226 Date 4/12/97 Lateral Age 2 years

Location of Emmiters on Lateral		Location of Lateral on Submain Submain ID 1 5 inch							
		Inlet Lateral ID 20 mm		**1/3 Down** Lateral ID --------		**2/3 Down** Lateral ID --------		**End** Lateral ID --------	
		ml/ min	mlps	ml/ min	mlps	ml/ min	mlps	ml/ min	mlps
Inlet	A	1200	20 00	1020	17 00	1000	16 67	1350	22 50
	B	1200	20 00	900	15 00	900	15 00	1350	22 50
	Avg	1200	20 00	960	16 00	950	15 83	1350	22 50
1/3 Down	A	1000	16 67	1560	26 00	720	12 00	500	8 33
	B	900	15 00	1030	17 17	0	0 00	520	8 67
	Avg	950	15 83	1295*	21 58	360	6 00	510	8 50
2/3 Down	A	600	10 00	400	6 67	420	7 00	980	16 33
	B	600	10 00	740	12 33	890	14 83	980	16 33
	Avg	600	10 00	570	9 50	655	10 92	980	16 33
End	A	820	13 67	420	7 00	0	0 00	460	7 67
	B	660	11 00	660	11 00	780	13 00	460	7 67
	Avg	740	12 33	540	9 00	390	6 50	460	7 67

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EM TTER DISCHARGES DATA SHEET 2C END BLOCK

Farm 226 Date 4/12/97 Lateral Age 2 years

Location of Emmiters on Lateral		Location of Lateral on Submain, Submain ID 1 5 inch							
		Inlet Lateral ID 20 mm		**1/3 Down** Lateral ID --------		**2/3 Down** Lateral ID --------		**End** Lateral ID --------	
		ml/ min	mlps	ml/ min	mlps	ml/ min	mlps	ml/ min	mlps
Inlet	A	1240	20 67	1120	18 67	1170	19 50	240	4 00
	B	1240	20 67	1120	18 67	720	12 00	290	4 83
	Avg	1240	20 67	1120	18 67	945	15 75	264	4 40
1/3 Down	A	1500	25 00	810	13 50	1140	19 00	290	4 83
	B	1500	25 00	410	6 83	680	11 33	170	2 83
	Avg	1500	25 00	610	10 17	910	15 17	230	3 83
2/3 Down	A	1580	26 33	820	13 67	560	9 33	280	4 67
	B	1580	26 33	660	11 00	440	7 33	440	7 33
	Avg	1580	26 33	740	12 33	500	8 33	360	6 00
End	A	1400	23 33	540	9 00	780	13 00	0	0 00
	B	1400	23 33	540	9 00	780	13 00	0	0 00
	Avg	1400	23 33	540	9 00	780	13 00	0	0 00

LATERAL LINES AND EMITTERS DATA SHEET 1

Farm 227/25 Date 11/12/97

Lateral	Lateral Pressure, kPa (psi)			Contamination[1]
	Inlet	End	= I - E	
Head Block Area 2 5 Du Flowrate 1 ---------- 2 ---------- -				
1	11 1	2 5	8 6	1
2	11 75	2 5	9 25	1
3	10 5	2	8 5	1
4	13 75	1	12 75	1
Middle Block Area 2 5 Du Flowrate 1 ---------- 2 ----------				
1	5	2	3	1
2	5 5	-	5 5	1
3	5 75	1 25	4 5	1
4	4 5	0	4 5	1
End Block Area 2 5 Du Flowrate 1 ---------- 2 ----------				
1	4 9	2 1	2 8	1
2	4 9	2 1	2 8	1
3	5	1 5	3 5	1
4	5 5	-	5 5	1

1 Qualitative measure of lateral contamination, rate of quantity of material flushed fro the line

0 = none 1 = slight 2 = medium 3 = significant

Length of Irrigation

Head Block 4 hours

Middle Block 4 hours

End Block 4 hours

Comments

EMITTER DISCHARGES, DATA SHEET 2A, HEAD BLOCK

Farm 227 Date 11/12/97 Lateral Age 2 years

Location of Emmiters on Lateral		Location of Lateral on Submain Submain ID ----------							
		Inlet Lateral ID 20		**1/3 Down** Lateral ID 20		**2/3 Down** Lateral ID 20		**End** Lateral ID 20	
		ml/ min	mlps	ml/ min	mlps	ml/ min	mlps	ml/ min	mlps
Inlet	A	180	19 67	720	12 00	1000	16 67	420	7 00
	B	180	19 67	500	8 33	1060	17 67	0	0 00
	Avg	180	19 67	610	10 17	1030	17 17	210	3 50
1/3 Down	A	490	8 17	960	16 00	840	14 00	500	8 33
	B	490	8 17	0	0 00	1000	16 67	0	0 00
	Avg	490	8 17	480	8 00	920	15 33	250	4 17
2/3 Down	A	840	14 00	0	0 00	500	8 33	180	3 00
	B	840	14 00	540	9 00	300	5 00	0	0 00
	Avg	840	14 00	270	4 50	400	6 67	90	1 50
End	A	680	11 33	0	0 00	480	8 00	0	0 00
	B	680	11 33	0	0 00	400	6 67	0	0 00
	Avg	680	11 33	0	0 00	440	7 33	0	0 00

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EMITTER DISCHARGES DATA SHEET 2B MIDDLE BLOCK

Farm 227 Date 11/12/97 Lateral Age 2 years

Location of Emmiters on Lateral		Location of Lateral on Submain Submain ID ----------							
		Inlet Lateral ID 16		**1/3 Down** Lateral ID 20		**2/3 Down** Lateral ID 16		**End** Lateral ID 16	
		ml/ min	mlps	ml/ min	mlps	ml/ min	mlps	ml/ min	mlps
Inlet	A	1260	21 00	1640	27 33	1520	25 33	1420	23 67
	B	0	0 00	1880	31 33	920	15 33	980	16 33
	Avg	630	10 50	1760	29 33	1220	20 33	1200	20 00
1/3 Down	A	1580	26 33	920	15 33	1000	16 67	1000	16 67
	B	0	0 00	980	16 33	0	0 00	1050	17 50
	Avg	790	13 17	950	15 83	500	8 33	1025	17 08
2/3 Down	A	800	13 33	1100	18 33	660	11 00	400	6 67
	B	0	0 00	1100	18 33	780	13 00	400	6 67
	Avg	400	6 67	1100	18 33	720	12 00	400	6 67
End	A	740	12 33	1080	18 00	700	11 67	420	7 00
	B	0	0 00	0	0 00	0	0 00	415	6 92
	Avg	370	6 17	540	9 00	350	5 83	417 5	6 96

EMITTER DISCHARGES DATA SHEET 2C, END BLOCK

Farm 227 Date 11/12/97 Lateral Age 2 years

Location of Emmiters on Lateral		Location of Lateral on Submain Submain ID 50 mm							
		Inlet Lateral ID 20		**1/3 Down** Lateral ID 20		**2/3 Down** Lateral ID 20		**End** Lateral ID 20	
		ml/ min	mlps	ml/ min	mlps	ml/ min	mlps	ml/ min	mlps
Inlet	A	1220	20 33	590	9 83	620	10 33	650	10 83
	B	0	0 00	1080	18 00	1240	20 67	1300	21 67
	Avg	610	10 17	835	13 92	930	15 50	975	16 25
1/3 Down	A	1100	18 33	340	5 67	1240	20 67	290	4 83
	B	0	0 00	680	11 33	0	0 00	580	9 67
	Avg	550	9 17	510	8 50	620	10 33	435	7 25
2/3 Down	A	420	7 00	360	6 00	520	8 67	260	4 33
	B	0	0 00	720	12 00	1040	17 33	520	8 67
	Avg	210	3 50	540	9 00	780	13 00	390	6 50
End	A	460	7 67	560	9 33	390	6 50	0	0 00
	B	0	0 00	1120	18 67	780	13 00	0	0 00
	Avg	230	3 83	840	14 00	585	9 75	0	0 00

LATERAL LINES AND EMITTERS DATA SHEET 1

Farm 296/25 Date 14/12/97

Lateral	Lateral Pressure kPa (psi)			Contamination[1]
	Inlet	End	= I - E	
Head Block Area 1 Du Flowrate 1 ---------- 2 ----------				
1	11 1	10 5	0 6	1
2	11 1	10 5	0 6	1
3	10 75	8 75	2	1
4	11	10	1	1
Middle Block Area 1 Du Flowrate 1 ---------- 2 ----------				
1	8 9	8 25	0 65	1
2	8 5	8	0 5	1
3	7 75	7 9	-0 15	1
4	8 5	7	1 5	1
End Block Area 1 4 Du Flowrate 1 ---------- 2 -------- ---------				
1	11 75	11 25	0 5	1
2	11 5	9 5	2	1
3	12	11 25	0 75	1
4	12	10 75	1 25	1

1 Qualitative measure of lateral contamination rate of quantity of material flushed from the line

0 = none 1 = slight 2 = medium 3 = significant

Length of Irrigation

Head Block 1 hour/3 days

Middle Block 2 hours/3 days

End Block 1 hour/3 days

Comments

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EMITTER DISCHARGES DATA SHEET 2A HEAD BLOCK

Farm 296 Date 14/12/97 Lateral Age ----------

Location of Emmiters on Lateral		Location of Lateral on Submain, Submain ID 50 mm							
		Inlet Lateral ID 16		**1/3 Down** Lateral ID --------		**2/3 Down** Lateral ID --------		**End** Lateral ID --------	
		ml/ min	mlps	ml/ min	mlps	ml/ min	mlps	ml/ min	mlps
Inlet	A	62	1 03	61	1 02	56	0 93	66	1 10
	B	60	1 00	58	0 97	57	0 95	64	1 07
	Avg	61	1 02	59 5	0 99	56 5	0 94	65	1 08
1/3 Down	A	50	0 83	44	0 73	60	1 00	58	0 97
	B	53	0 88	50	0 83	58	0 97	57	0 95
	Avg	51 5	0 86	47	0 78	59	0 98	57 5	0 96
2/3 Down	A	76	1 27	42	0 70	32	0 53	44	0 73
	B	68	1 13	39	0 65	40	0 67	50	0 83
	Avg	72	1 20	40 5	0 68	36	0 60	47	0 78
End	A	59	0 98	41	0 68	51	0 85	47	0 78
	B	62	1 03	40	0 67	47	0 78	51	0 85
	Avg	60 5	1 01	40 5	0 68	49	0 82	49	0 82

EMITTER DISCHARGES DATA SHEET 2B MIDDLE BLOCK

Farm 296 Date 14/12/97 Lateral Age ----------

Location of Emmiters on Lateral		Location of Lateral on Submain, Submain ID 50 mm							
		Inlet Lateral ID 16		**1/3 Down** Lateral ID --------		**2/3 Down** Lateral ID --------		**End** Lateral ID --------	
		ml/ min	mlps	ml/ min	mlps	ml/ min	mlps	ml/ min	mlps
Inlet	A	60	1 00	48	0 80	48	0 80	44	0 73
	B	64	1 07	48	0 80	48	0 80	58	0 97
	Avg	62	1 03	48	0 80	48	0 80	51	0 85
1/3 Down	A	28	0 47	56	0 93	0	0 00	58	0 97
	B	60	1 00	52	0 87	52	0 87	46	0 77
	Avg	44	0 73	54	0 90	26	0 43	52	0 87
2/3 Down	A	52	0 87	60	1 00	50	0 83	52	0 87
	B	60	1 00	60	1 00	57	0 95	56	0 93
	Avg	56	0 93	60	1 00	53 5	0 89	54	0 90
End	A	50	0 83	46	0 77	46	0 77	26	0 43
	B	54	0 90	48	0 80	60	1 00	4	0 07
	Avg	52	0 87	47	0 78	53	0 88	15	0 25

EMITTER DISCHARGES, DATA SHEET 2C END BLOCK

Farm 296 Date 14/12/97 Lateral Age ----------

Location of Emmiters on Lateral		Location of Lateral on Submain, Submain ID 50							
		Inlet Lateral ID 16		**1/3 Down** Lateral ID --------		**2/3 Down** Lateral ID --------		**End** Lateral ID --------	
		ml/ min	mlps	ml/ min	mlps	ml/ min	mlps	ml/ min	mlps
Inlet	A	52	0 87	56	0 93	24	0 40	44	0 73
	B	54	0 90	58	0 97	44	0 73	48	0 80
	Avg	53	0 88	57	0 95	34	0 57	46	0 77
1/3 Down	A	42	0 70	43	0 72	48	0 80	32	0 53
	B	44	0 73	54	0 90	52	0 87	34	0 57
	Avg	43	0 72	48 5	0 81	50	0 83	33	0 55
2/3 Down	A	56	0 93	54	0 90	52	0 87	48	0 80
	B	49	0 82	55	0 92	50	0 83	50	0 83
	Avg	52 5	0 88	54 5	0 91	51	0 85	49	0 82
End	A	64	1 07	52	0 87	28	0 47	44	0 73
	B	62	1 03	49	0 82	52	0 87	47	0 78
	Avg	63	1 05	50 5	0 84	40	0 67	45 5	0 76

LATERAL LINES AND EMITTERS DATA SHEET 1

Farm 26/26 Date 9/12/97

Lateral	Lateral Pressure, kPa (psi)			Contamination[1]
	Inlet	End	= I - E	
Head Block Area 1 5 Du Flowrate 1 ---------- 2 ---------- ---				
1	24	21 5	2 5	0
2	23	20	3	0
3	23 5	21	2 5	0
4	24	21 5	2 5	0
Middle Block Area 1 62 Du Flowrate 1 ---------- 2 ----------				
1	12 2	9 5	2 7	0
2	12 2	10	2 2	0
3	12 8	10 6	2 2	0
4	13	9 8	3 2	0
End Block Area 1 036 Du Flowrate 1 --------- ------ 2 --- ----------				
1	12	10	2	0
2	11	9	2	0
3	11	9 2	1 8	0
4	11 8	9 8	2	0

1 Qualitative measure of lateral contamination rate of quantity of material flushed from t e line

0 = none 1 = slight 2 = medium 3 = significant

Length of Irrigation

Head Block 2 hours/3 days

Middle Block 2 hours/3 days

End Block 2 hours/3 days

Comments

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EMITTER DISCHARGES DATA SHEET 2A HEAD BLOCK

Farm 26/26 Date 9/12/97 Lateral Age 2-4 years

Location of Emmiters on Lateral		Location of Lateral on Submain Submain ID ----------							
		Inlet Lateral ID ϕ 16		**1/3 Down** Lateral ID ϕ 16		**2/3 Down** Lateral ID ϕ 16		**End** Lateral ID ϕ 16	
		ml/ 1 min	mlps	ml/ 1 min	mlps	ml/ 1 min	mlps	ml/ 1 min	mlps
Inlet	A	192	3 20	90	1 50	60	1 00	70	1 17
	B	70	1 17	82	1 37	62	1 03	200	3 33
	Avg	131	2 18	86	1 43	61	1 02	135	2 25
1/3 Down	A	64	1 07	78	1 30	104	1 73	90	1 50
	B	64	1 07	78	1 30	440	7 33	90	1 50
	Avg	64	1 07	78	1 30	272	4 53	90	1 50
2/3 Down	A	54	0 90	90	1 50	64	1 07	90	1 50
	B	64	1 07	82	1 37	54	0 90	0	0 00
	Avg	59	0 98	86	1 43	59	0 98	45	0 75
End	A	0	0 00	56	0 93	68	1 13	104	1 73
	B	0	0 00	210	3 50	64	1 07	66	1 10
	Avg	0	0 00	133	2 22	66	1 10	85	1 42

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EMITTER DISCHARGES, DATA SHEET 2B MIDDLE BLOCK

Farm 26/26 Date 9/12/97 Lateral Age 2-4 years

Location of Emmiters on Lateral		Location of Lateral on Submain Submain ID ----------							
		Inlet Lateral ID ϕ 16		**1/3 Down** Lateral ID ϕ 16		**2/3 Down** Lateral ID ϕ 16		**End** Lateral ID ϕ 16	
		ml/ 1 min	mlps	ml/ 1 min	mlps	ml/ 1 min	mlps	ml/ 1 min	mlps
Inlet	A	226	3 77	62	1 03	140	2 33	92	1 53
	B	104	1 73	68	1 13	90	1 50	32	0 53
	Avg	165	2 75	65	1 08	115	1 92	62	1 03
1/3 Down	A	70	1 17	58	0 97	68	1 13	50	0 83
	B	64	1 07	12	0 20	228	3 80	52	0 87
	Avg	67	1 12	35	0 58	148	2 47	51	0 85
2/3 Down	A	54	0 90	58	0 97	70	1 17	400	6 67
	B	56	0 93	58	0 97	140	2 33	150	2 50
	Avg	55	0 92	58	0 97	105	1 75	275	4 58
End	A	58	0 97	54	0 90	72	1 20	0	0 00
	B	48	0 80	56	0 93	50	0 83	64	1 07
	Avg	53	0 88	55	0 92	61	1 02	32	0 53

184

EMITTER DISCHARGES, DATA SHEET 2C, END BLOCK

Farm 26/26 Date 9/12/97 Lateral Age 2-4 years

Location of Emmiters on Lateral		Location of Lateral on Submain Submain ID ----------							
		Inlet Lateral ID ϕ 16		**1/3 Down** Lateral ID ϕ 16		**2/3 Down** Lateral ID ϕ 16		**End** Lateral ID ϕ 16	
		ml/ 1 min	mlps	ml/ 1 min	mlps	ml/ 1 min	mlps	ml/ 1 min	mlps
Inlet	A	86	1 43	50	0 83	42	0 70	50	0 83
	B	52	0 87	48	0 80	52	0 87	48	0 80
	Avg	69	1 15	49	0 82	47	0 78	49	0 82
1/3 Down	A	52	0 87	48	0 80	44	0 73	48	0 80
	B	52	0 87	36	0 60	42	0 70	46	0 77
	Avg	52	0 87	42	0 70	43	0 72	47	0 78
2/3 Down	A	54	0 90	52	0 87	50	0 83	52	0 87
	B	62	1 03	54	0 90	48	0 80	48	0 80
	Avg	58	0 97	53	0 88	49	0 82	50	0 83
End	A	52	0 87	28	0 47	44	0 73	46	0 77
	B	52	0 87	50	0 83	0	0 00	52	0 87
	Avg	52	0 87	39	0 65	22	0 37	49	0 82

LATERAL LINES AND EMITTERS DATA SHEET 1

Farm 70/26 Date 14/12/97

Lateral	Lateral Pressure kPa (psi)			Contamination[1]
	Inlet	End	= I - E	
Head Block Area 2 48 Du Flowrate 1 ---------- 2 ----------				
1	15	12 5	2 5	
2	14 5	12 5	2	
3	15	12 4	2 6	
4	17	13	4	
Middle Block Area 3 38 Du Flowrate 1 ---------- 2 ---------- ---				
1	12 8	12 2	0 6	
2	11	10 4	0 6	
3	11 2	10 4	0 8	
4	11	10 5	0 5	
End Block Area 3 36 Du Flowrate 1 ---------- 2 ---------- --				
1	14	12	2	
2	13	11	2	
3	13	9 5	3 5	
4	13 8	10 8	3	

1 Qualitative measure of lateral contamination, rate of quantity of material flushed from the line

0 = none 1 = slight 2 = medium 3 = significant

Length of Irrigation

Head Block -------- hours

Middle Block -------- hours

End Block -------- hours

Comments

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EMITTER DISCHARGES DATA SHEET 2A, HEAD BLOCK

Farm 70 Date 14/12/97 Lateral Age 2 years

Location of Emmiters on Lateral		Location of Lateral on Submain Submain ID 45 mm							
		Inlet Lateral ID 12 8		**1/3 Down** Lateral ID 12 8		**2/3 Down** Lateral ID 12 8		**End** Lateral ID 12 8	
		ml/ min	mlps	ml/ min	mlps	ml/ min	mlps	ml/ min	mlps
Inlet	A	54	0 90	0	0 00	42	0 70	56	0 93
	B	56	0 93	56	0 93	40	0 67	58	0 97
	Avg	55	0 92	28	0 47	41	0 68	57	0 95
1/3 Down	A	38	0 63	54	0 90	65	1 08	60	1 00
	B	60	1 00	54	0 90	70	1 17	52	0 87
	Avg	49	0 82	54	0 90	67 5	1 13	56	0 93
2/3 Down	A	50	0 83	40	0 67	48	0 80	0	0 00
	B	50	0 83	44	0 73	50	0 83	60	1 00
	Avg	50	0 83	42	0 70	49	0 82	30	0 50
End	A	54	0 90	50	0 83	38	0 63	50	0 83
	B	56	0 93	54	0 90	0	0 00	0	0 00
	Avg	55	0 92	52	0 87	19	0 32	25	0 42

EMITTER DISCHARGES, DATA SHEET 2B MIDDLE BLOCK

Farm 70 Date 14/12/97 Lateral Age 2 years

Location of Emmiters on Lateral		Location of Lateral on Submain, Submain ID 45							
		Inlet Lateral ID --------		**1/3 Down** Lateral ID --------		**2/3 Down** Lateral ID --------		**End** Lateral ID --------	
		ml/ min	mlps	ml/ min	mlps	ml/ min	mlps	ml/ min	mlps
Inlet	A	50	0 83	54	0 90	52	0 87	50	0 83
	B	50	0 83	70	1 17	56	0 93	30	0 50
	Avg	50	0 83	62	1 03	54	0 90	40	0 67
1/3 Down	A	40	0 67	28	0 47	46	0 77	54	0 90
	B	10	0 17	58	0 97	48	0 80	54	0 90
	Avg	25	0 42	43	0 72	47	0 78	54	0 90
2/3 Down	A	50	0 83	44	0 73	20	0 33	50	0 83
	B	50	0 83	44	0 73	54	0 90	52	0 87
	Avg	50	0 83	44	0 73	37	0 62	51	0 85
End	A	46	0 77	0	0 00	48	0 80	56	0 93
	B	48	0 80	0	0 00	45	0 75	50	0 83
	Avg	47	0 78	0	0 00	46 5	0 78	53	0 88

EMITTER DISCHARGES DATA SHEET 2C END BLOCK

Farm 70 Date 14/12/97 Lateral Age 2 years

Location of Emmiters on Lateral		Location of Lateral on Submain Submain ID 45 mm							
		Inlet Lateral ID 12 8		**1/3 Down** Lateral ID 12 8		**2/3 Down** Lateral ID 12 8		**End** Lateral ID 12 8	
		ml/ min	mlps	ml/ min	mlps	ml/ min	mlps	ml/ min	mlps
Inlet	A	58	0 97	42	0 70	34	0 57	55	0 92
	B	54	0 90	50	0 83	48	0 80	45	0 75
	Avg	56	0 93	46	0 77	41	0 68	50	0 83
1/3 Down	A	54	0 90	43	0 72	48	0 80	45	0 75
	B	42	0 70	46	0 77	52	0 87	55	0 92
	Avg	48	0 80	44 5	0 74	50	0 83	50	0 83
2/3 Down	A	0	0 00	42	0 70	44	0 73	30	0 50
	B	42	0 70	40	0 67	54	0 90	48	0 80
	Avg	21	0 35	41	0 68	49	0 82	39	0 65
End	A	48	0 80	0	0 00	50	0 83	60	1 00
	B	52	0 87	52	0 87	50	0 83	50	0 83
	Avg	50	0 83	26	0 43	50	0 83	55	0 92

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LATERAL LINES AND EMITTERS DATA SHEET 1

128/26 Date 8/12/97

Lateral	Lateral Pressure kPa (psi)			Contamination[1]
	Inlet	End	= I - E	
Head Block Area 1 87 Du Flowrate 1 ---------- 2 ----------				
1	11 4	10	1 4	2
2	11	8	3	2
3	11 8	8 8	3	2
4	12	5 6	6 4	2
Middle Block Area 2 9 Du Flowrate 1 ---------- 2 ----------				
1	11 2	5	6 2	2
2	11	4 8	6 2	2
3	9 8	4 2	5 6	2
4	9 6	4	5 6	2
End Block Area 2 75 Du Flowrate 1 ---------- 2 ----------				
1	24	9	15	2
2	23 5	8	15 5	2
3	21	9 8	11 2	2
4	19	10 8	8 2	2

1 Qualitative measure of lateral contamination rate of quantity of material flushed from the line

0 = none 1 = slight 2 = medium 3 = significant

Length of Irrigation

Head Block 4 hours /6 days

Middle Block 4 hours /6 days

End Block 4 hours /6 days

Comments

190

EMITTER DISCHARGES DATA SHEET 2A HEAD BLOCK

Farm 128/26 Date 8/12/97 Lateral Age ----------

Location of Emmiters on Lateral		Location of Lateral on Submain Submain ID ----------							
		Inlet Lateral ID 20		**1/3 Down** Lateral ID 20		**2/3 Down** Lateral ID 20		**End** Lateral ID 20	
		ml/ 1 min	mlps	ml/ 1 min	mlps	ml/ 1 min	mlps	ml/ 1 min	mlps
Inlet	A	1114	18 57	1160	18 57	1120	18 57	715	18 57
	B								
	Avg								
1/3 Down	A	960	18 57	1110	18 57	1000	18 57	680	18 57
	B								
	Avg								
2/3 Down	A	940	18 57	1070	18 57	970	18 57	830	18 57
	B								
	Avg								
End	A	1040	18 57	680	18 57	950	18 57	580	18 57
	B								
	Avg								

EMITTER DISCHARGES, DATA SHEET 2B, MIDDLE BLOCK

Farm 128/26 Date 8/12/97 Lateral Age ----------

Location of Emmiters on Lateral		Location of Lateral on Submain, Submain ID ----------							
		Inlet Lateral ID 20		**1/3 Down** Lateral ID 20		**2/3 Down** Lateral ID 20		**End** Lateral ID 20	
		ml/ 1 min	mlps	ml/ 1 min	mlps	ml/ 1 min	mlps	ml/ 1 min	mlps
Inlet	A	710	11 83	820	13 67	800	13 33	760	12 67
	B								
	Avg								
1/3 Down	A	720	12 00	630	10 50	740	12 33	760	12 67
	B								
	Avg								0 00
2/3 Down	A	800	13 33	910	15 17	510	8 50	660	11 00
	B								
	Avg								
End	A	870	14 50	620	10 33	610	10 17	720	12 00
	B								
	Avg								

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EMITTER DISCHARGES, DATA SHEET 2C, END BLOCK

Farm 128/26 Date 8/12/97 Lateral Age ----------

Location of Emmiters on Lateral		Location of Lateral on Submain, Submain ID ----------							
		Inlet Lateral ID 20		**1/3 Down** Lateral ID 20		**2/3 Down** Lateral ID 20		**End** Lateral ID 20	
		ml/ 1 min	mlps	ml/ 1 min	mlps	ml/ 1 min	mlps	ml/ 1 min	mlps
Inlet	A	1440	24 00	1400	23 33	1240	20 67	1100	18 33
	B								
	Avg								
1/3 Down	A	1130	18 83	1300	21 67	860	14 33	950	15 83
	B								
	Avg								
2/3 Down	A	780	13 00	1200	20 00	840	14 00	840	14 00
	B								
	Avg				0 00				
End	A	1010	16 83	1090	18 17	880	14 67	920	15 33
	B								
	Avg								

193

LATERAL LINES AND EMITTERS DATA SHEET 1

Farm 138/26 Date 1/12/97

Lateral	Lateral Pressure kPa (psi)			Contamination[1]
	Inlet	End	= I - E	
Head Block Area 3 09 Du Flowrate 1 ---------- 2 ----------				
1	34 9	15 6	19 3	
2	25 8	9 8	16 0	
3	20 2	8 8	11 4	
4	22 5	7 5	15 0	
Middle Block Area 3 242 Du Flowrate 1 ---------- 2 ----------				
1	33 0	11 0	22 0	
2	30 5	8 5	22 0	
3	27 3	11 0	16 3	
4	26 0	10 0	16 0	
End Block Area 2 796 Du Flowrate 1 ---------- 2 - ----------				
1	28 5	7 0	21 5	
2	21 2	5 0	16 2	
3	19 2	6 2	13 0	
4	17 8	5 0	12 8	

1 Qualitative measure of lateral contamination rate of quantity of material flushed from the line

0 = none 1 = slight 2 = medium 3 = significant

Length of Irrigation

Head Block -------- hours

Middle Block -------- hours

End Block -------- hours

Comments

EMITTER DISCHARGES, DATA SHEET 2A HEAD BLOCK

Farm 138 Date 1/12/97 Lateral Age ----------

Location of Emmiters on Lateral		Location of Lateral on Submain Submain ID ----------							
		Inlet Lateral ID --------		**1/3 Down** Lateral ID --------		**2/3 Down** Lateral ID --------		**End** Lateral ID --------	
		ml/ 1 min	mlps	ml/ 1 min	mlps	ml/ 1 min	mlps	ml/ 1 min	mlps
Inlet	A	1540	25 67	1836	30 60	905	15 08	985	16 42
	B								
	Avg								
1/3 Down	A	1700	28 33	838	13 97	1050	17 50	860	14 33
	B								
	Avg								
2/3 Down	A	220	3 67	500	8 33	560	9 33	1020	17 00
	B								
	Avg								
End	A	1530	25 50	775	12 92	760	12 67	950	15 83
	B								
	Avg								

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EMITTER DISCHARGES, DATA SHEET 2B, MIDDLE BLOCK

Farm 138 Date 1/12/97 Lateral Age ----------

Location of Emmiters on Lateral		Location of Lateral on Submain, Submain ID ----------							
		Inlet Lateral ID --------		**1/3 Down** Lateral ID --------		**2/3 Down** Lateral ID --------		**End** Lateral ID --------	
		ml/ 1 min	mlps	ml/ 1 min	mlps	ml/ 1 min	mlps	ml/ 1 min	mlps
Inlet	A	1160	19 33	1310	21 83	1300	21 67	800	13 33
	B								
	Avg								
1/3 Down	A	1280	21 33	1400	23 33	1000	16 67	1250	20 83
	B								
	Avg								
2/3 Down	A	1340	22 33	915	15 25	1060	17 67	800	13 33
	B								
	Avg								
End	A	750	12 5	950	15 83	1170	19 50	1070	17 83
	B								
	Avg								

196

EMITTER DISCHARGES, DATA SHEET 2C END BLOCK

Farm 138/26 Date 1/12/97 Lateral Age ----------

Location of Emmiters on Lateral		Location of Lateral on Submain, Submain ID ----------							
		Inlet Lateral ID --------		**1/3 Down** Lateral ID --------		**2/3 Down** Lateral ID --------		**End** Lateral ID --------	
		ml/ 1 min	mlps	ml/ 1 min	mlps	ml/ 1 min	mlps	ml/ 1 min	mlps
Inlet	A	1160	19 33	790	13 17	900	15 00	870	14 50
	B								
	Avg								
1/3 Down	A	1040	17 33	830	13 83	1020	17 00	915	15 25
	B								
	Avg								
2/3 Down	A	1000	16 67	780	13 00	965	16 08	740	12 33
	B								
	Avg								
End	A	1030	17 17	920	15 33	640	10 67	810	13 50
	B								
	Avg								

LATERAL LINES AND EMITTERS DATA SHEET 1

Farm 50/29 Date 4/12/97

Lateral	Lateral Pressure kPa (psi)			Contamination[1]
	Inlet	End	= I - E	
Head Block Area 1 333 Du Flowrate 1 ---------- 2 ----------				
1	7 2	8 2	-1	
2	6 8	8 2	-1 4	
3	6 5	8 4	-1 9	
4	6 5	8	-2 5	
Middle Block Area 1 548 Du Flowrate 1 ---------- 2 ----------				
1	8 8	10	-1 2	
2	8 5	9 5	-1	
3	8 2	8 5	-0 3	
4	8	9	-1	
End Block Area 1 333 Du Flowrate 1 ---------- 2 ----------				
1	11 2	12	-0 8	
2	11	11 5	-0 5	
3	10 8	11 2	-0 4	
4	11	11 6	-0 6	

1 Qualitative measure of lateral contamination rate of quantity of material flushed from the line

0 = none 1 = slight 2 = medium 3 = significant

Length of Irrigation

Head Block 2 hours / 2 days

Middle Block 2 hours / 2 days

End Block 2 hours / 2 days

Comments

198

EMITTER DISCHARGES, DATA SHEET 2A, HEAD BLOCK

Farm 50 Date 4/12/97 Lateral Age 1 year

Location of Emmiters on Lateral		Location of Lateral on Submain Submain ID ----------							
		Inlet Lateral ID 12 8		**1/3 Down** Lateral ID 12 8		**2/3 Down** Lateral ID 12 8		**End** Lateral ID 12 8	
		ml/ 1 min	mlps	ml/ 1 min	mlps	ml/ 1 min	mlps	ml/ 1 min	mlps
Inlet	A	44	0 73	30	0 50	36	0 60	40	0 67
	B	38	0 63	40	0 67	0	0 00	40	0 67
	Avg	41	0 68	35	0 58	18	0 30	40	0 67
1/3 Down	A	43	0 72	32	0 53	41	0 68	32	0 53
	B	0	0 00	35	0 58	41	0 68	44	0 73
	Avg	21 5	0 36	33 5	0 56	41	0 68	38	0 63
2/3 Down	A	44	0 73	41	0 68	28	0 47	48	0 80
	B	58	0 97	40	0 67	44	0 73	40	0 67
	Avg	51	0 85	40 5	0 68	36	0 60	43	0 72
End	A	0	0	46	0 77	38	0 63	50	0 83
	B	0	0	46	0 77	0	0 00	50	0 83
	Avg	0	0	46	0 77	19	0 32	50	0 83

EM TTER DISCHARGES, DATA SHEET 2B, MIDDLE BLOCK

Farm 50 Date 4/12/97 Lateral Age 1 year

Location of Emmiters on Lateral		Location of Lateral on Submain, Submain ID ----------							
		Inlet Lateral ID 12 8		**1/3 Down** Lateral ID 12 8		**2/3 Down** Lateral ID 12 8		**End** Lateral ID 12 8	
		ml/ min	mlps	ml/ min	mlps	ml/ min	mlps	ml/ min	mlps
Inlet	A	49	0 82	47	0 78	44	0 73	57	0 95
	B	38	0 63	42	0 70	51	0 85	60	1 00
	Avg	43 5	0 73	44 5	0 74	47 5	0 79	58 5	0 98
1/3 Down	A	36	0 60	40	0 67	44	0 73	50	0 83
	B	40	0 67	40	0 67	48	0 80	50	0 83
	Avg	38	0 63	40	0 67	46	0 77	50	0 83
2/3 Down	A	40	0 67	39	0 65	60	1 00	52	0 87
	B	50	0 83	45	0 75	36	0 60	53	0 88
	Avg	45	0 75	42	0 70	48	0 80	52 5	0 88
End	A	45	0 75	32	0 53	49	0 82	50	0 83
	B	26	0 43	45	0 75	50	0 83	50	0 83
	Avg	35 5	0 59	38 5	0 64	49 5	0 83	50	0 83

EMITTER DISCHARGES, DATA SHEET 2C, END BLOCK

Farm 50/29 Date 4/12/97 Lateral Age 1 year

Location of Emmiters on Lateral		Location of Lateral on Submain, Submain ID ----------							
		Inlet Lateral ID 12 8		**1/3 Down** Lateral ID 12 8		**2/3 Down** Lateral ID 12 8		**End** Lateral ID 12 8	
		ml/ 1 min	mlps	ml/ 1 min	mlps	ml/ 1 min	mlps	ml/ 1 min	mlps
Inlet	A	54	0 90	56	0 93	43	0 72	50	0 83
	B	56	0 93	58	0 97	52	0 87	48	0 80
	Avg	55	0 92	57	0 95	47 5	0 79	49	0 82
1/3 Down	A	38	0 63	45	0 75	46	0 77	50	0 83
	B	62	1 03	0	0 00	54	0 90	45	0 75
	Avg	50	0 83	22 5	0 38	50	0 83	47 5	0 79
2/3 Down	A	53	0 88	50	0 83	54	0 90	36	0 60
	B	53	0 88	50	0 83	52	0 87	52	0 87
	Avg	53	0 88	50	0 83	53	0 88	44	0 73
End	A	54	0 90	54	0 90	46	0 77	50	0 83
	B	52	0 87	56	0 93	0	0 00	54	0 90
	Avg	53	0 88	55	0 92	23	0 38	52	0 87

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LATERAL LINES AND EMITTERS DATA SHEET 1

Farm 91/29 Date 6/12/97

Lateral	Lateral Pressure kPa (psi)			Contamination[1]
	Inlet	End	= I - E	
Head Block Area 0 605 Du Flowrate 1 ---------- ---- 2 -- - - -- - ----				
1	8 5	1 5	7	
2	8	5	3	
3	8	5	3	
4	7	4	3	
Middle Block Area 0 75 Du Flowrate 1 ---------- 2 ----------				
1	14 5	2	12 5	
2	13	1	12	
3	11	1 2	10 2	
4	12 5	1	11 5	
End Block Area 0 528 Du Flowrate 1 ---------- -- 2 ----------				
1	16	1 5	15 5	
2	10 5	1 5	9	
3	10 5	1	9 5	
4	11	1	10	

1 Qualitative measure of lateral contamination rate of quantity of material flushed from the line

0 = none 1 = slight 2 = medium 3 = significant

Length of Irrigation

Head Block 3 hours/2 days

Middle Block 3 hours/2 days

End Block 3 hours/2 days

Comments

202

EMITTER DISCHARGES, DATA SHEET 2A HEAD BLOCK

Farm 91/29 Date 6/12/97 Lateral Age 10 years

Location of Emmiters on Lateral		Location of Lateral on Submain Submain ID ----------							
		Inlet Lateral ID --------		**1/3 Down** Lateral ID --------		**2/3 Down** Lateral ID --------		**End** Lateral ID --------	
		ml/ 1 min	mlps	ml/ 1 min	mlps	ml/ 1 min	mlps	ml/ 1 min	mlps
Inlet	A	785	13 08	420	7	320	5 33	350	5 83
	B								
	Avg								
1/3 Down	A	1210	20 17	1200	20	1190	19 83	910	15 17
	B								
	Avg								
2/3 Down	A	1080	18	820	13 66667	660	11 00	870	14 5
	B								
	Avg								
End	A	1410	23 5	870	14 5	1100	18 33	660	11
	B								
	Avg								

203

EMITTER DISCHARGES DATA SHEET 2B, MIDDLE BLOCK

Farm 91/29 Date 6/12/97 Lateral Age 10 years

Location of Emmiters on Lateral		Location of Lateral on Submain Submain ID ----------							
		Inlet Lateral ID --------		**1/3 Down** Lateral ID --------		**2/3 Down** Lateral ID --------		**End** Lateral ID --------	
		ml/ min	mlps	ml/ min	mlps	ml/ min	mlps	ml/ min	mlps
Inlet	A	775	12 92	1120	18 67	2900	48 33	1090	18 17
	B								
	Avg								
1/3 Down	A	1660	27 67	525	8 75	1430	23 83	1680	28 00
	B								
	Avg								
2/3 Down	A	275	4 58	425	7 08	880	14 67	1270	21 17
	B								
	Avg								
End	A	425	7 08	425	7 08	2970	49 50	2600	43 33
	B								
	Avg								

204

EMITTER DISCHARGES DATA SHEET 2C END BLOCK

Farm 91/29 Date 6/12/97 Lateral Age 10 years

Location of Emmiters on Lateral		Location of Lateral on Submain Submain ID ----------							
		Inlet Lateral ID --------		**1/3 Down** Lateral ID --------		**2/3 Down** Lateral ID --------		**End** Lateral ID --------	
		ml/ min	mlps	ml/ min	mlps	ml/ min	mlps	ml/ min	mlps
Inlet	A	1400	23 33	1750	29 17	2710	45 17	2430	40 5
	B								
	Avg								
1/3 Down	A	1500	25	1500	25	1620	27	1830	30 5
	B								
	Avg								
2/3 Down	A	610	10 17	620	10 33	990	16 5	480	8
	B								
	Avg								
End	A	1720	28 67	40	0 67	940	15 67	640	10 67
	B								
	Avg								

205

[redacted]

SHEET 1

I - E

Contamination[1]

0 0 0 0 0 0 0 0 0 0 0 0

naterial flushed from the line

2/3 Down	A	40	0 67	80	1 33	26	0 43	142	2 37
	B	30	0 50	5	0 08	50	0 83	0	0 00
	Avg	35	0 58	42 5	0 71	38	0 63	71	1 18
End	A	50	0 83	70	1 17	20	0 33	12	0 20
	B	130	2 17	40	0 67	214	3 57	48	0 80
	Avg	90	1 50	55	0 92	117	1 95	30	0 50

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EMITTER DISCHARGES, DATA SHEET 2C, END BLOCK

Farm 199/29 Date 3/12/97 Lateral Age 7 years

Location of Emmiters on Lateral		Location of Lateral on Submain Submain ID ----------							
		Inlet Lateral ID --------		**1/3 Down** Lateral ID --------		**2/3 Down** Lateral ID --------		**End** Lateral ID --------	
		ml/ min	mlps	ml/ min	mlps	ml/ min	mlps	ml/ min	mlps
Inlet	A	10	0 17	5	0 08	25	0 42	0	0 00
	B	45	0 75	25	0 42	15	0 25	16	0 27
	Avg	27 5	0 46	15	0 25	20	0 33	8	0 13
1/3 Down	A	160	2 67	30	0 50	175	2 92	320	5 33
	B	140	2 33	5	0 08	0	0 00	35	0 58
	Avg	150	2 50	17 5	0 29	87 5	1 46	177 5	2 96
2/3 Down	A	146	2 43	246	4 10	30	0 50	70	1 17
	B	100	1 67	14	0 23	20	0 33	0	0 00
	Avg	123	2 05	130	2 17	25	0 42	35	0 58
End	A	0	0 00	20	0 33	0	0 00	65	1 08
	B	16	0 27	20	0 33	30	0 50	120	2 00
	Avg	8	0 13	20	0 33	15	0 25	92 5	1 54

267