

REFERENCE EVAPOTRANSPIRATION (ET_o) DATA (CIMIS Station # 158 Bennett Valley)

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Totals
2001	1.33	1.66	3.40	4.53	6.45	7.16	6.76	6.27	4.61	3.14	1.36	0.87	= 47.54
2002	1.29	1.83	3.37	3.95	5.28	6.69	6.28	5.58	4.69	3.23	1.71	0.88	= 44.78
2003	0.67	1.92	3.42	3.32	3.95	5.59	7.01	5.88	4.66	3.79	1.34	0.78	= 42.33
2004	0.92	1.50	3.81	4.93	6.50	7.48	6.27	5.86	5.12	2.80	1.50	0.97	= 47.66
2005	1.00	1.44	2.96	4.38	4.99	5.75	6.88	5.55	4.18	3.36	1.55	0.68	= 42.72
2006	1.02	1.75	2.05	2.76	5.25	6.03	6.54	5.04	4.14	2.95	1.43	1.13	= 40.09
2007	1.61	1.55	3.80	4.67	5.91	6.76	6.72	5.67	4.58	3.06	1.73	1.17	= 47.23
2008	0.82	1.89	3.54	4.89	5.54	6.92	6.66	6.06	4.39	3.21	1.42	1.00	= 46.34
2009	1.51	1.39	3.33	4.73	5.20	5.93	6.56	5.76	4.67	2.88	1.67	0.84	= 44.47
2010	0.70	1.34	3.14	3.73	4.89	6.33	5.89	5.31	4.52	2.46	1.68	0.67	= 40.66
Avg.	1.09	1.63	3.28	4.19	5.40	6.46	6.56	5.70	4.56	3.09	1.54	0.90	= 44.38
2011	1.28	1.82	2.25	4.28	5.14	5.43	6.54	5.60	4.33	2.62	1.43	1.57	= 42.29
April - October (2001-2010) Avg. =	35.95											Annual (2001-2010) Avg. =	44.38

RAINFALL DATA (Bennett Valley, Santa Rosa)

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Totals
2001	4.83	6.30	1.61	1.85	0.00	0.63	0.00	0.00	0.00	0.72	7.80	11.35	= 35.09
2002	4.59	1.91	3.05	0.70	0.82	0.00	0.00	0.00	0.02	0.06	3.41	17.02	= 31.58
2003	3.55	2.21	2.57	5.74	1.53	0.05	0.00	0.00	0.00	0.00	2.92	10.56	= 29.13
2004	3.42	8.15	1.06	0.90	0.02	0.00	0.00	0.00	0.00	3.60	1.60	9.00	= 27.75
2005	3.73	3.93	5.60	1.67	5.44	1.76	0.00	0.00	0.00	1.56	2.30	16.64	= 42.63
2006	4.97	3.29	8.56	4.99	0.00	0.00	0.00	0.00	0.00	0.74	2.98	5.19	= 30.72
2007	0.52	7.51	0.4	2.21	0.49	0.55	0.04	0.00	0.00	2.16	0.73	4.74	= 19.35
2008	9.08	2.93	0.36	0.50	0.16	0.00	0.00	0.00	0.00	1.00	2.28	2.69	= 19.00
2009	0.57	8.32	2.92	0.56	2.88	0.01	0.00	0.00	0.00	2.52	1.32	3.82	= 22.92
2010	8.80	4.00	4.09	3.84	2.61	0.27	0.00	0.00	0.00	4.50	2.74	4.83	= 35.68
Avg.	3.92	4.95	2.90	2.12	1.26	0.33	0.00	0.00	0.00	1.37	2.82	9.00	= 28.69
2011	1.31	5.57	9.68	0.72	2.23	1.65	0.00	0.00	0.00	1.72	1.63	0.18	= 24.69
April - October (2001-2010) Avg. =	5.10											Annual (2001-2010) Avg. =	28.69

ET_o MINUS EFFECTIVE RAINFALL

(Effective Rainfall (ER): If rainfall < 0.25, then ER = 0. If rainfall > 0.25, then ER = 0.33 x rainfall)

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Totals
2001	0.00	0.00	2.34	3.31	6.45	6.74	6.76	6.27	4.61	2.66	0.00	0.00	= 39.15
2002	0.00	0.57	1.36	3.49	4.74	6.69	6.28	5.58	4.69	3.23	0.00	0.00	= 36.62
2003	0.00	0.46	1.72	0.00	2.94	5.59	7.01	5.88	4.66	3.79	0.00	0.00	= 32.06
2004	0.00	0.00	3.11	4.34	6.50	7.48	6.27	5.86	5.12	0.42	0.44	0.00	= 39.54
2005	0.00	0.00	0.00	3.28	1.40	4.59	6.88	5.55	4.18	2.33	0.03	0.00	= 28.24
2006	0.00	0.00	0.00	0.00	5.25	6.03	6.54	5.04	4.14	2.46	0.00	0.00	= 29.46
2007	1.27	0.00	3.54	3.21	5.59	6.40	6.72	5.67	4.58	1.63	1.25	0.00	= 39.85
2008	0.00	0.00	3.30	4.56	5.54	6.92	6.66	6.06	4.39	2.55	0.00	0.00	= 39.98
2009	1.13	0.00	1.40	4.36	3.30	5.93	6.56	5.76	4.67	1.22	0.80	0.00	= 35.13
2010	0.00	0.02	1.79	2.46	4.03	6.24	5.89	5.31	4.52	0.98	0.78	0.00	= 32.01
Avg.	0.24	0.11	1.86	2.90	4.57	6.26	6.56	5.70	4.56	2.13	0.33	0.00	= 35.20
2011	0.85	0.00	0.00	4.04	4.40	4.89	6.54	5.60	4.33	2.05	0.89	1.57	= 35.16
April - October (2001-2010) Avg. =	32.67											Annual (2001-2010) Avg. =	35.20