

ET_{Idaho} 2009: Evapotranspiration and Consumptive Irrigation

Water Requirements for Idaho

Please send suggestions for improving this site to [robison at kimberly dot uidaho dot edu](mailto:robison@kimberly.uidaho.edu) Copyright 2010, University of Idaho.

Idaho Falls 16 SE (NWS --104456)

Statistics based on 30 years between 1972 to 2008

For a different land cover or crop click on the above link.

You can highlight this table and copy via the clipboard to a Microsoft Excel or OpenOffice spreadsheet to plot or otherwise work with this data.

Open water - shallow systems (ponds, streams)															
Precipitation Deficit (Click here for a graph)															
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Growing Season ^a	Non Growing Season ^b	Annual
				15	31	30	31	31	30	31					
Mean	mm/day												mm		
Monthly ^c	0.95	0.24	0.16	1.28	1.82	2.63	3.41	2.91	1.92	0.87	-0.57	0.95	378	0	378
15-Day Moving Average ^d	0.98	0.35	0.15	1.26	1.76	2.67	3.41	2.75	1.88	0.92	-0.49	0.89	1,434		
7-Day Moving Average ^e	0.99	0.27	0.17	1.25	1.76	2.59	3.38	2.87	1.90	0.93	-0.55	0.93			
3-Day Moving Average ^f	0.96	0.24	0.15	1.28	1.81	2.60	3.41	2.91	1.90	0.88	-0.57	0.95			
Standard Deviation	19.2/56.4/78.9/105.7/90.2/57.6/27.0 mm/day												435 mm		
Monthly	1.49	0.49	1.17	0.76	1.99	0.90	1.29	1.18	0.89	0.98	0.86	1.27	124	0	124
15-Day Moving Average	1.40	0.68	1.02	1.10	1.74	1.38	1.15	1.33	1.16	1.08	1.08	1.15			
7-Day Moving Average	1.70	1.06	1.36	1.56	2.29	2.08	1.56	1.61	1.57	1.54	1.52	1.57			
3-Day Moving Average	2.16	1.58	2.02	2.21	3.11	2.77	2.06	2.14	2.31	2.14	2.21	2.10			
20% Exceedance	mm/day												mm		
Monthly	0.16	0.21	0.80	1.85	2.94	3.33	3.96	3.49	2.60	1.26	0.11	0.23	511	0	511
15-Day Moving Average	0.40	0.58	1.41	2.67	4.29	4.51	4.55	4.13	3.18	2.34	0.68	0.33			
7-Day Moving Average	0.75	1.13	1.89	3.61	4.81	4.94	4.81	4.60	3.71	2.93	1.25	0.69			
3-Day Moving Average	0.90	1.32	2.47	4.42	5.30	5.55	5.17	4.94	4.20	3.31	1.60	0.90			
80% Exceedance	mm/day												mm		
	-	-													

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Grass Pasture - low management															
Precipitation Deficit (Click here for a graph)															
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Growing Season ^a	Non Growing Season ^b	Annual
				30	31	30	31	31	30	31					
Mean	mm/day												mm		
Monthly ^c	0.08	0.03	0.11	0.26	1.55	3.63	4.17	3.66	1.55	0.32	-0.71	0.31	447	-36	410
15-Day Moving Average ^d	0.08	0.00	0.11	0.19	1.49	3.64	4.20	3.56	1.51	0.29	-0.66	0.29	1.48 ft.		
7-Day Moving Average ^e	0.08	0.02	0.10	0.23	1.51	3.59	4.15	3.64	1.52	0.29	-0.70	0.29			
3-Day Moving Average ^f	0.08	0.03	0.11	0.25	1.55	3.61	4.17	3.67	1.44	0.31	-0.71	0.31			
Standard Deviation	3.9 / 48.9 / 108.9 / 129.3 / 113.5 / 46.5 / mm/day														
Monthly	0.39	0.10	0.17	0.31	1.31	0.82	1.14	1.27	0.90	0.81	0.64	0.65	80	31	90
15-Day Moving Average	0.34	0.16	0.22	0.44	1.20	1.18	0.98	1.22	1.30	0.75	0.82	0.58			
7-Day Moving Average	0.43	0.27	0.36	0.74	1.59	1.78	1.40	1.52	1.74	1.21	1.20	0.71			
3-Day Moving Average	0.57	0.41	0.58	1.13	2.27	2.51	2.10	2.02	2.47	1.82	1.80	0.97			
20% Exceedance	mm/day														
Monthly	0.05	0.07	0.18	0.38	2.33	4.32	4.70	4.09	2.22	0.10	-0.28	0.00	507	-7	500
15-Day Moving Average	0.14	0.21	0.52	0.76	3.46	5.33	5.35	4.86	3.74	0.61	0.14	0.16			
7-Day Moving Average	0.30	0.44	0.78	1.19	4.42	6.26	6.22	5.94	4.55	1.30	0.55	0.29			
3-Day Moving Average	0.38	0.51	0.96	2.11	5.42	7.89	7.35	7.29	5.97	2.64	0.75	0.37			
80% Exceedance	mm/day														
Monthly	0.18	-0.01	0.02	0.01	0.60	2.71	3.42	3.25	0.70	0.63	-1.32	0.76	365	-64	300

1.48 ft.