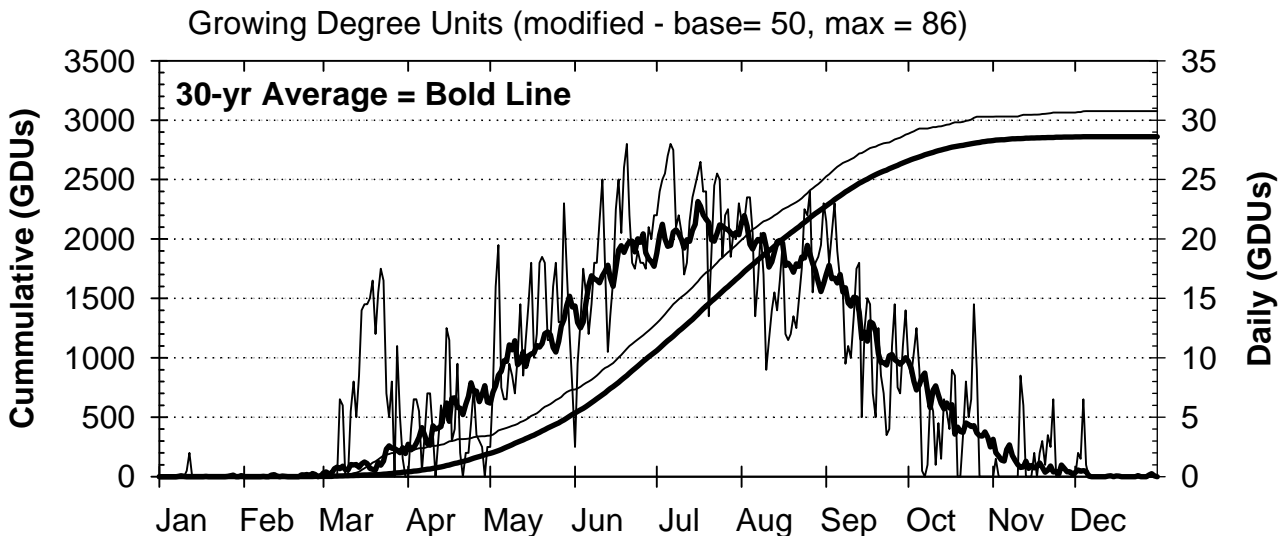
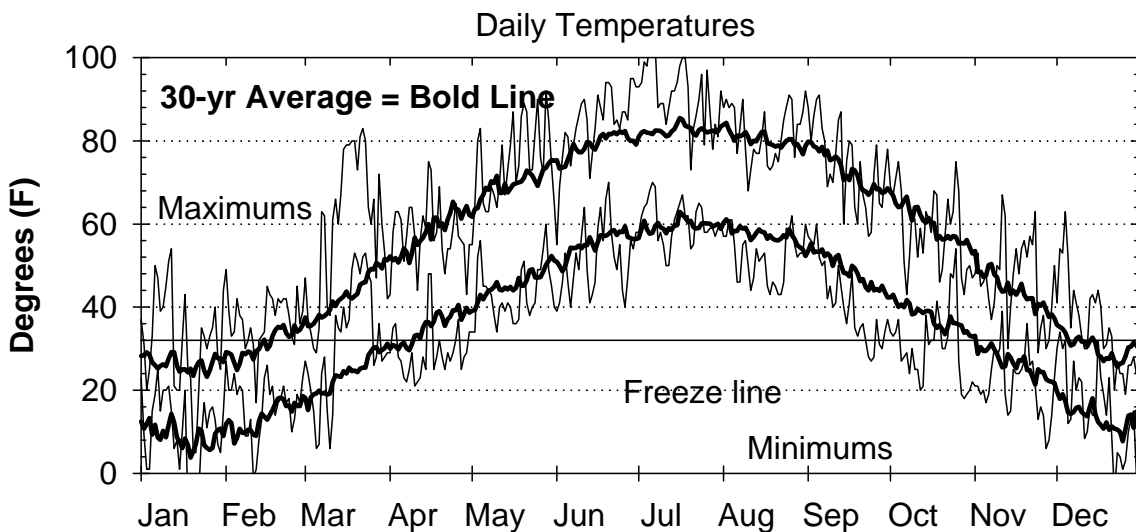
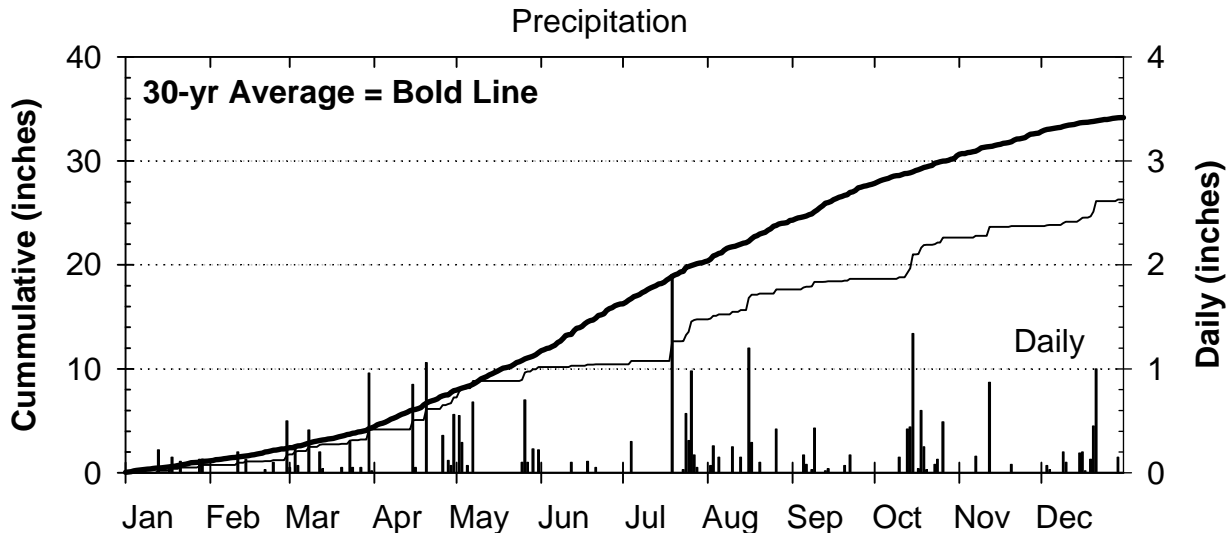


## 2012 Weather Summary for Arlington, WI



**Table A-1. Daily Precipitation, Solar Radiation, Soil and Air Temperatures and Growing Degree Units at the Arlington Research Station during 2011.**

Day of year	<u>Precipitation</u>		Daily Solar Radiation	<u>Soil Temperature</u> at 2 inches		<u>Air</u> Temperature		<u>Growing Degree</u> Units (86/50 F)		
	Daily	Total		Max	Min	Max	Min	Daily	Total	
	inches		W m <sup>-2</sup>	°F		°F				
92	1-Apr	0.00	4.2	173	71	42	43	29	0	216
93	2-Apr	0.00	4.2	235	71	45	58	35	4	220
94	3-Apr	0.00	4.2	176	70	48	63	36	7	226
95	4-Apr	0.00	4.2	268	72	41	63	28	7	233
96	5-Apr	0.00	4.2	272	71	40	61	27	6	238
97	6-Apr	0.00	4.2	275	77	38	51	23	1	239
98	7-Apr	0.00	4.2	196	74	40	57	22	4	242
99	8-Apr	0.00	4.2	220	75	42	64	25	7	249
100	9-Apr	0.00	4.2	277	71	40	64	29	7	256
101	10-Apr	0.00	4.2	226	63	38	57	21	4	260
102	11-Apr	0.00	4.2	279	77	37	44	22	0	260
103	12-Apr	0.00	4.2	274	83	39	56	23	3	263
104	13-Apr	0.00	4.2	137	67	45	62	28	6	269
105	14-Apr	0.00	4.2	261	89	55	59	25	5	273
106	15-Apr	0.85	5.0	95	76	64	75	48	13	286
107	16-Apr	0.05	5.1	115	66	46	73	48	12	297
108	17-Apr	0.00	5.1	301	77	40	56	25	3	300
109	18-Apr	0.00	5.1	177	71	49	58	28	4	304
110	19-Apr	0.00	5.1	89	64	47	69	32	10	314
111	20-Apr	1.06	6.1	100	57	43	54	28	2	316
112	21-Apr	0.00	6.1	275	74	39	48	25	0	316
113	22-Apr	0.00	6.1	275	67	42	54	29	2	318
114	23-Apr	0.00	6.1	293	68	39	54	27	2	320
115	24-Apr	0.00	6.1	258	77	40	59	29	5	324
116	25-Apr	0.00	6.1	104	67	50	65	32	8	332
117	26-Apr	0.36	6.5	263	68	43	57	37	4	335
118	27-Apr	0.00	6.5	270	72	39	56	25	3	338
119	28-Apr	0.12	6.6	40	51	43	55	28	3	341
120	29-Apr	0.07	6.7	159	60	39	43	29	0	341
121	30-Apr	0.56	7.3	88	64	48	55	34	3	343
122	1-May	0.00	7.3	212	72	44	55	34	3	346
123	2-May	0.55	7.8	256	85	61	65	34	8	353
124	3-May	0.29	8.1	208	90	67	80	52	16	369
125	4-May	0.00	8.1	92	72	61	83	56	20	389
126	5-May	0.07	8.2	113	74	59	65	45	8	396
127	6-May	0.00	8.2	65	69	59	63	45	7	403
128	7-May	0.68	8.8	176	80	58	63	44	7	409
129	8-May	0.00	8.8	231	77	55	69	43	10	419
130	9-May	0.00	8.8	200	73	52	67	38	9	427
131	10-May	0.00	8.8	284	86	46	64	34	7	434
132	11-May	0.00	8.8	238	88	52	70	40	10	444
133	12-May	0.00	8.8	209	85	59	79	41	15	459
134	13-May	0.00	8.8	292	96	53	67	39	9	467
135	14-May	0.00	8.8	286	95	54	73	41	12	479
136	15-May	0.00	8.8	255	96	60	79	40	15	493
137	16-May	0.00	8.8	340	96	56	87	36	18	511
138	17-May	0.00	8.8	280	93	56	70	36	10	521
139	18-May	0.00	8.8	336	98	60	74	37	12	533
140	19-May	0.00	8.8	308	101	64	86	49	18	551
141	20-May	0.00	8.8	274	99	71	89	51	19	570
142	21-May	0.00	8.8	345	97	63	87	41	18	588
143	22-May	0.00	8.8	345	101	59	73	38	12	599
144	23-May	0.00	8.8	305	95	63	73	40	12	611
145	24-May	0.00	8.8	313	99	69	82	41	16	627

**Table A-1. Daily Precipitation, Solar Radiation, Soil and Air Temperatures and Growing Degree Units at the Arlington Research Station during 2011.**

Day of year	<u>Precipitation</u>		Daily Solar Radiation	<u>Soil Temperature</u> at 2 inches		<u>Air</u> Temperature		<u>Growing Degree</u> Units (86/50 F)	
	Daily	Total		Max	Min	Max	Min	Daily	Total
	inches		W m <sup>-2</sup>	°F		°F			
146 25-May	0.10	8.9	229	97	65	90	49	18	645
147 26-May	0.70	9.6	154	89	68	76	49	13	658
148 27-May	0.10	9.7	311	94	69	72	54	13	671
149 28-May	0.00	9.7	219	93	70	92	60	23	694
150 29-May	0.23	10.0	328	92	64	85	49	18	711
151 30-May	0.00	10.0	148	81	62	74	45	12	723
152 31-May	0.22	10.2	136	70	59	65	40	8	731
153 1-Jun	0.00	10.2	313	86	56	55	39	3	733
154 2-Jun	0.00	10.2	332	92	57	69	41	10	743
155 3-Jun	0.00	10.2	292	97	60	76	46	13	756
156 4-Jun	0.00	10.2	296	105	69	82	53	18	773
157 5-Jun	0.00	10.2	231	101	67	81	46	16	789
158 6-Jun	0.00	10.2	325	106	61	74	40	12	801
159 7-Jun	0.00	10.2	328	106	65	79	47	15	815
160 8-Jun	0.00	10.2	300	104	70	83	53	18	833
161 9-Jun	0.00	10.2	342	107	73	86	49	18	851
162 10-Jun	0.00	10.2	330	108	74	89	57	22	873
163 11-Jun	0.00	10.2	259	102	76	90	64	25	898
164 12-Jun	0.10	10.3	345	100	69	85	49	18	915
165 13-Jun	0.00	10.3	289	101	64	71	41	11	926
166 14-Jun	0.00	10.3	259	97	67	77	43	14	939
167 15-Jun	0.00	10.3	323	108	72	83	46	17	956
168 16-Jun	0.00	10.3	179	96	79	91	59	23	978
169 17-Jun	0.00	10.3	317	109	74	88	64	25	1003
170 18-Jun	0.11	10.4	290	109	80	85	56	21	1024
171 19-Jun	0.00	10.4	326	112	84	94	66	26	1050
172 20-Jun	0.00	10.4	323	111	85	94	70	28	1078
173 21-Jun	0.05	10.5	320	106	79	93	58	22	1100
174 22-Jun	0.00	10.5	350	110	74	84	52	18	1118
175 23-Jun	0.00	10.5	175	100	74	85	49	18	1135
176 24-Jun	0.00	10.5	267	112	75	83	55	19	1154
177 25-Jun	0.00	10.5				87	44	18	1172
178 26-Jun	0.00	10.5				87	40	18	1190
179 27-Jun	0.00	10.5	192	110	87	85	47	18	1208
180 28-Jun	0.00	10.5	292	114	84	95	56	21	1229
181 29-Jun	0.00	10.5	279	112	77	95	54	20	1249
182 30-Jun	0.00	10.5	302	115	80	93	58	22	1271
183 1-Jul	0.00	10.5	285	116	80	93	58	22	1293
184 2-Jul	0.00	10.5	289	117	85	94	62	24	1317
185 3-Jul	0.00	10.5	267	115	88	99	64	25	1342
186 4-Jul	0.30	10.8	309	120	89	98	65	26	1367
187 5-Jul	0.00	10.8	309	122	90	103	68	27	1394
188 6-Jul	0.00	10.8	308	124	92	103	70	28	1422
189 7-Jul	0.00	10.8	291	120	91	103	69	28	1450
190 8-Jul	0.00	10.8	316	118	84	88	56	21	1471
191 9-Jul	0.00	10.8	278	119	84	89	58	22	1493
192 10-Jul	0.00	10.8	287	116	82	89	55	21	1513
193 11-Jul	0.00	10.8	332	118	79	84	50	17	1530
194 12-Jul	0.00	10.8	302	117	80	88	50	18	1548
195 13-Jul	0.00	10.8	260	114	82	92	57	22	1570
196 14-Jul	0.00	10.8	236	115	87	92	61	24	1593
197 15-Jul	0.00	10.8	281	121	85	94	63	25	1618
198 16-Jul	0.00	10.8	307	120	87	98	65	26	1643
199 17-Jul	0.00	10.8	314	122	89	100	67	27	1670

**Table A-1. Daily Precipitation, Solar Radiation, Soil and Air Temperatures and Growing Degree Units at the Arlington Research Station during 2011.**

Day of year		<u>Precipitation</u>		Daily Solar Radiation	<u>Soil Temperature</u> at 2 inches		<u>Air</u> Temperature		<u>Growing Degree</u> Units (86/50 F)	
		Daily	Total		Max	Min	Max	Min	Daily	Total
		inches		W m <sup>-2</sup>	°F		°F			
200	18-Jul	0.00	10.8	270	122	86	100	62	24	1694
201	19-Jul	1.90	12.7	90	90	79	93	62	24	1718
202	20-Jul	0.00	12.7	310	104	75	73	54	14	1731
203	21-Jul	0.00	12.7	177	101	77	83	55	19	1750
204	22-Jul	0.00	12.7	166	106	80	86	63	25	1775
205	23-Jul	0.03	12.7	258	117	81	90	65	26	1800
206	24-Jul	0.57	13.3	120	95	80	96	64	25	1825
207	25-Jul	0.31	13.6	276	103	78	79	58	19	1844
208	26-Jul	0.98	14.5	300	105	82	97	58	22	1866
209	27-Jul	0.17	14.7	255	100	77	87	59	23	1888
210	28-Jul	0.05	14.8	312	105	73	78	59	19	1907
211	29-Jul	0.00	14.8	193	102	76	84	57	21	1927
212	30-Jul	0.00	14.8	303	113	77	81	59	20	1947
213	31-Jul	0.00	14.8	282	116	80	92	60	23	1970
214	1-Aug	0.00	14.8	296	115	79	88	57	22	1992
215	2-Aug	0.07	14.8	181	101	83	90	57	22	2013
216	3-Aug	0.26	15.1	277	112	80	88	61	24	2037
217	4-Aug	0.00	15.1	161	109	78	89	61	24	2060
218	5-Aug	0.15	15.2	319	103	74	88	55	21	2081
219	6-Aug	0.00	15.2	319	109	68	77	46	14	2094
220	7-Aug	0.00	15.2	292	116	78	83	46	17	2111
221	8-Aug	0.00	15.2	137	98	78	90	55	21	2131
222	9-Aug	0.00	15.2	57	86	70	78	56	17	2148
223	10-Aug	0.25	15.5	291	94	69	68	50	9	2157
224	11-Aug	0.00	15.5	300	104	63	73	44	12	2169
225	12-Aug	0.00	15.5	150	98	68	78	47	14	2183
226	13-Aug	0.15	15.6	161	96	72	77	54	16	2198
227	14-Aug	0.00	15.6	250	106	68	77	51	14	2212
228	15-Aug	0.00	15.6	230	108	77	81	52	17	2229
229	16-Aug	1.20	16.8	149	88	68	87	53	20	2248
230	17-Aug	0.29	17.1	297	95	63	74	45	12	2260
231	18-Aug	0.00	17.1	266	103	61	73	43	12	2272
232	19-Aug	0.00	17.1	227	103	66	74	46	12	2284
233	20-Aug	0.10	17.2	277	104	65	77	45	14	2297
234	21-Aug	0.00	17.2	284	107	64	75	43	13	2310
235	22-Aug	0.00	17.2	276	107	66	80	43	15	2325
236	23-Aug	0.00	17.2	235	110	78	85	46	18	2342
237	24-Aug	0.00	17.2	196	107	78	88	59	23	2365
238	25-Aug	0.00	17.2	241	108	74	91	58	22	2387
239	26-Aug	0.42	17.7	63	90	76	90	62	24	2411
240	27-Aug	0.00	17.7	274	96	72	76	55	16	2426
241	28-Aug	0.00	17.7	230	106	68	84	52	18	2444
242	29-Aug	0.00	17.7	247	106	73	84	53	19	2463
243	30-Aug	0.00	17.7	248	107	76	87	53	20	2482
244	31-Aug	0.00	17.7	214	110	76	92	60	23	2505
245	1-Sep	0.00	17.7	177	103	77	88	57	22	2527
246	2-Sep	0.00	17.7	218	108	75	80	56	18	2545
247	3-Sep	0.00	17.7	175	111	77	86	55	21	2565
248	4-Sep	0.00	17.7	239	112	78	90	60	23	2588
249	5-Sep	0.17	17.8	201	98	75	91	52	19	2607
250	6-Sep	0.08	17.9	254	104	69	83	50	17	2624
251	7-Sep	0.00	17.9	78	84	65	80	51	16	2639
252	8-Sep	0.03	17.9	232	94	61	69	42	10	2649
253	9-Sep	0.43	18.4	217	87	62	72	45	11	2660

**Table A-1. Daily Precipitation, Solar Radiation, Soil and Air Temperatures and Growing Degree Units at the Arlington Research Station during 2011.**

Day of year	<u>Precipitation</u>		Daily Solar Radiation	<u>Soil Temperature</u> at 2 inches		<u>Air</u> Temperature		<u>Growing Degree</u> Units (86/50 F)		
	Daily	Total		Max	Min	Max	Min	Daily	Total	
	inches		W m <sup>-2</sup>	°F		°F				
254	10-Sep	0.00	18.4	246	95	57	70	40	10	2670
255	11-Sep	0.00	18.4	239	99	65	77	41	14	2683
256	12-Sep	0.00	18.4	205	103	70	85	50	18	2701
257	13-Sep	0.02	18.4	46	74	58	87	45	18	2719
258	14-Sep	0.04	18.4	237	95	57	60	40	5	2724
259	15-Sep	0.00	18.4	234	97	57	75	36	13	2736
260	16-Sep	0.00	18.4	208	93	61	80	41	15	2751
261	17-Sep	0.00	18.4	99	86	62	79	48	15	2766
262	18-Sep	0.00	18.4	172	80	52	64	35	7	2773
263	19-Sep	0.00	18.4	162	84	50	60	33	5	2778
264	20-Sep	0.07	18.5	208	84	53	75	35	13	2790
265	21-Sep	0.00	18.5	102	77	54	67	36	9	2799
266	22-Sep	0.17	18.7	138	69	49	64	32	7	2806
267	23-Sep	0.00	18.7	228	79	43	57	28	4	2809
268	24-Sep	0.00	18.7	220	82	43	58	27	4	2813
269	25-Sep	0.00	18.7	212	91	53	72	28	11	2824
270	26-Sep	0.00	18.7	221	88	52	79	37	15	2839
271	27-Sep	0.00	18.7	180	85	48	65	31	8	2846
272	28-Sep	0.00	18.7	206	88	48	64	30	7	2853
273	29-Sep	0.00	18.7	202	91	53	72	34	11	2864
274	30-Sep	0.00	18.7	197	88	52	78	37	14	2878
275	1-Oct	0.00	18.7	116	78	52	69	34	10	2888
276	2-Oct	0.00	18.7	186	87	52	67	33	9	2896
277	3-Oct	0.00	18.7	187	91	53	71	34	11	2907
278	4-Oct	0.00	18.7	106	74	52	75	37	13	2919
279	5-Oct	0.00	18.7	126	67	45	68	27	9	2928
280	6-Oct	0.00	18.7	72	62	46	51	28	1	2929
281	7-Oct	0.00	18.7	164	72	42	43	29	0	2929
282	8-Oct	0.00	18.7	151	69	39	52	24	1	2930
283	9-Oct	0.00	18.7	65	69	44	63	30	7	2936
284	10-Oct	0.15	18.8	174	62	39	61	25	6	2942
285	11-Oct	0.00	18.8	95	65	43	52	25	1	2943
286	12-Oct	0.00	18.8	186	69	35	59	20	5	2947
287	13-Oct	0.42	19.2	22	63	48	53	21	2	2949
288	14-Oct	0.44	19.7	21	64	50	63	38	7	2955
289	15-Oct	1.34	21.0	167	69	43	61	31	6	2961
290	16-Oct	0.00	21.0	124	68	44	58	32	4	2965
291	17-Oct	0.04	21.1	74	68	51	68	32	9	2974
292	18-Oct	0.60	21.7	38	56	50	67	41	9	2982
293	19-Oct	0.25	21.9	61	60	48	46	37	0	2982
294	20-Oct	0.03	21.9	148	70	41	49	30	0	2982
295	21-Oct	0.00	21.9	156	69	40	57	30	4	2986
296	22-Oct	0.00	21.9	22	62	52	66	33	8	2994
297	23-Oct	0.08	22.0	26	67	59	60	48	5	2999
298	24-Oct	0.13	22.1	95	80	62	63	47	7	3005
299	25-Oct	0.00	22.1	21	71	46	75	54	15	3020
300	26-Oct	0.49	22.6	150	62	40	68	27	9	3029
301	27-Oct	0.00	22.6	144	58	38	47	19	0	3029
302	28-Oct	0.00	22.6	144	60	37	43	18	0	3029
303	29-Oct	0.00	22.6	150	58	36	49	19	0	3029
304	30-Oct	0.00	22.6	107	49	36	50	20	0	3029
305	31-Oct	0.00	22.6	146	52	35	47	22	0	3029

**Table A-2. Monthly and total precipitation (inches) data for the Arlington Research Station.**

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sep	Oct	Nov	Dec	Annual
1983	0.4	1.8	2.4	2.0	3.9	2.1	4.5	4.5	3.1	3.6	3.1	2.4	33.8
1984	0.7	1.5	1.2	4.1	3.2	7.6	2.9	1.8	3.6	5.9	2.5	1.5	36.4
1985	1.4	1.8	2.1	2.4	2.8	3.5	5.9	3.6	6.9	3.0	5.3	1.4	40.1
1986	1.2	1.0	1.5	2.7	2.1	4.2	4.6	4.9	10.7	1.9	1.3	0.5	36.7
1987	0.5	0.0	1.9	2.6	4.7	0.6	4.0	4.9	4.9	1.6	4.9	1.4	32.2
1988	2.1	1.0	1.3	3.3	1.0	1.5	1.6	2.9	3.9	2.2	1.5	1.2	23.4
1989	0.7	0.9	1.5	1.4	1.8	2.0	3.8	4.3	3.8	2.4	1.3	0.5	24.3
1990	1.8	0.9	3.7	2.5	4.3	6.3	1.6	5.4	1.2	2.3	1.7	2.4	34.2
1991	1.0	0.4	3.0	4.5	1.9	2.6	3.8	1.8	4.7	6.8	3.6	1.4	35.4
1992	0.5	1.6	1.7	4.0	1.2	1.2	5.8	1.9	7.5	1.3	5.2	2.8	34.6
1993	1.6	1.0	2.3	7.1	4.5	6.1	9.4	3.2	4.2	1.2	1.6	0.2	42.3
1994	0.9	2.0	0.1	2.3	2.0	7.9	6.1	4.0	4.7	0.5	2.8	0.8	34.0
1995	1.3	0.1	2.2	3.4	6.0	2.2	2.8	5.0	1.8	4.2	2.4	0.7	31.9
1996	1.8	0.5	0.3	2.6	3.2	7.8	2.4	2.8	0.9	3.3	0.8	1.6	28.0
1997	0.7	2.8	2.2	2.0	3.3	4.9	6.3	3.2	1.6	1.4	1.0	0.8	30.0
1998	1.2	0.9	3.3	4.0	4.1	6.8	2.1	6.7	3.0	3.4	1.6	0.3	37.4
1999	2.8	1.2	0.6	6.0	3.9	5.3	3.4	2.5	1.4	1.4	1.3	1.0	30.9
2000	1.0	2.3	1.4	3.4	10.5	7.2	3.4	3.3	3.1	0.7	1.5	1.5	39.3
2001	0.8	1.4	0.4	3.1	4.7	7.0	2.9	5.3	5.2	1.7	1.7	1.4	35.8
2002	0.5	1.1	0.8	3.4	3.2	4.3	2.9	3.7	1.9	4.0	2.1	0.6	28.7
2003	0.4	0.2	1.4	2.2	3.8	3.3	3.3	1.8	4.0	1.3	5.3	1.9	28.9
2004	0.3	1.2	2.7	1.9	10.3	4.1	4.3	3.0	0.5	3.3	1.6	1.6	34.8
2005	1.5	1.2	1.8	0.8	3.4	1.5	4.4	3.1	4.7	0.6	3.8	1.0	27.6
2006	1.6	0.6	2.1	5.1	4.3	4.5	4.1	6.1	5.4	3.2	1.7	0.9	39.6
2007	0.5	1.5	3.2	3.3	1.2	3.3	2.9	11.3	2.8	2.3	0.5	3.3	36.3
2008	2.9	2.6	2.8	9.3	3.3	13.8	5.1	1.9	1.6	3.4	1.3	1.8	49.8
2009	0.4	1.7	4.8	4.3	3.6	4.3	2.3	3.2	2.4	4.6	1.3	2.8	35.5
2010	1.7	1.1	1.0	3.7	4.2	7.6	9.3	4.7	4.5	1.7	1.4	1.7	42.5
2011	0.6	0.7	3.4	3.5	1.6	4.1	2.5	1.5	3.9	1.6	3.3	2.4	28.9
2012	0.8	1.0	2.5	3.1	2.9	0.3	4.3	2.9	1.0	4.0	1.1	2.5	26.3
30-year Average	1.1	1.2	2.0	3.5	3.7	4.6	4.1	3.8	3.6	2.6	2.3	1.5	34.0

**Table A-3. Average monthly and annual temperature (°F) data for the Arlington Research Station.**

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sep	Oct	Nov	Dec	Annual
1983	23	27	34	43	53	67	75	74	62	51	38	10	46
1984	15	30	27	46	55	69	69	72	61	52	36	26	46
1985	12	17	38	52	62	64	71	66	62	50	32	12	45
1986	18	19	36	50	59	66	72	64	62	51	32	25	46
1987	23	31	38	51	61	71	74	68	62	45	40	27	49
1988	13	18	35	47	63	72	75	75	64	45	37	24	47
1989	28	15	30	46	57	66	73	70	60	51	33	13	45
1990	28	26	37	49	55	68	70	69	64	49	40	21	48
1991	14	26	36	50	63	70	71	70	59	49	29	24	47
1992	24	28	33	43	58	64	66	64	59	47	31	22	45
1993	19	19	29	42	57	64	69	69	55	46	33	23	44
1994	6	13	33	46	56	68	67	67	64	53	40	28	45
1995	20	23	37	44	57	72	73	76	60	52	29	21	47
1996	16	22	29	44	55	68	69	70	62	51	30	23	45
1997	17	24	33	42	51	68	69	65	61	50	32	27	45
1998	23	33	33	48	62	66	71	71	65	51	39	30	50
1999	15	30	35	48	60	68	75	67	59	48	43	25	48
2000	20	29	41	45	61	65	69	71	62	54	34	10	47
2001	20	17	30	51	59	67	72	71	59	48	46	31	48
2002	26	27	29	46	54	69	75	70	64	44	34	27	47
2003	17	17	32	44	56	66	71	72	61	49	35	28	46
2004	14	22	37	47	56	65	69	64	65	50	39	24	46
2005	17	27	30	50	54	72	73	70	65	50	36	17	47
2006	29	21	34	50	57	66	73	69	58	44	38	29	48
2007	21	13	37	43	60	68	70	70	62	53	33	17	46
2008	15	14	27	45	53	66	70	67	61	47	34	14	43
2009	8	21	31	43	56	64	63	64	60	42	38	18	42
2010	14	19	36	49	57	66	71	70	58	50	36	15	45
2011	13	18	28	41	54	65	73	68	57	49	36	27	44
2012	21	27	46	44	59	68	76	67	58	45	34	25	47
30-year Average	18	22	34	46	57	67	71	69	61	49	36	22	46