

**Plumley Farm Research Site, Raleigh County, WV**  
**37° 48' N latitude; 80° 59' W longitude; 890 m (2920 ft) elevation**

Day	Date	Total Precip (in.)	Min Temp (°C)	Max Temp (°C)	Ave Temp (°C)	Min RH (%)	Max RH (%)	Max PAR (μmol/s/m2)	Ave PAR (μmol/s/m2)	Total PAR Flux (mmol/m2)	Min Wind (MPH)	Max Wind (MPH)	Ave Wind (MPH)	Max Solar Radiation (W/M2)	Ave Solar Radiation (W/M2)	Total Solar Radiation (MJ)	DETo (mm)
335	12/1/2007	0	-4.295	8.89	2.61	15.31	73.8	1266	239.8	20716	0	24.2	7.46	645.6	120.2	10.384	1.321
336	12/2/2007	0.43	2.834	12.02	4.718	30.28	99.5	499.1	41.56	3590.4	3.147	25.09	12.17	239.8	19.24	1.662	0.589
337	12/3/2007	0.01	-6.026	10.71	-0.62	73.4	98.1	710	48.56	4195.8	2.312	19.9	10.07	375.3	24.12	2.0836	0.207
338	12/4/2007	0	-6.848	0.398	-4.328	46.41	90.8	1159	208.1	17976	0	13.76	6.181	608.9	108.8	9.404	0.667
339	12/5/2007	0	-7.65	0.237	-3.839	64.1	100	389.4	46.11	3984	0	26.64	7.8	176.1	19.77	1.7078	0.094
340	12/6/2007	0.04	-9.95	-0.525	-5.112	45.21	97.5	1067	251.2	21703	0	17.82	7.56	577.9	138.2	11.939	0.8
341	12/7/2007	0.04	-4.312	5.349	-0.929	60.94	100	1002	43.55	3763.2	0	17.64	7.07	479.5	21.92	1.8942	0.144
342	12/8/2007	0.2	4.083	7.26	5.674	100	100	278.3	34.12	2948.2	0	11.44	3.977	158.8	18.65	1.6116	0.131
343	12/9/2007	0.06	6.19	18.73	13.3	68.23	100	1124	134.8	11651	0	16.09	6.301	599.5	68.5	5.9183	0.751
344	12/10/2007	0.07	13.27	15.24	14.13	88.4	100	699.6	62.82	5427.5	1.06	14.54	6.124	344.4	30.06	2.5976	0.296
345	12/11/2007	0.02	12.94	19.47	15.37	62.38	100	1266	162.1	14005	1.298	14.24	5.689	642.5	82.6	7.1361	1.172
346	12/12/2007	0.07	7.84	14.86	11.44	77.6	100	570.3	35.87	3099.3	0	20.2	6.395	285.7	16.58	1.4328	0.152
347	12/13/2007	0.59	5.219	11.6	8.33	85.9	100	586.4	44.75	3866.1	2.193	20.14	8.74	289.5	21.42	1.8505	0.124
348	12/14/2007	0	-2.369	5.846	2.079	63.73	99	1237	149	12875	0	10.42	5.216	639.4	78.2	6.7594	0.582
349	12/15/2007	0.05	-3.011	0.482	-1.066	93.9	100	212.9	32.76	2830.7	0	21.45	9.59	103.4	15.36	1.3271	0.054
350	12/16/2007	0.11	-6.605	2.96	-2.376	77	100	807	63.73	5506.3	0	24.67	7.39	476.6	34.53	2.9832	0.206
351	12/17/2007	0.02	-8.09	-1.622	-6.312	56.15	97.3	1230	219.1	18933	1.298	17.1	7.31	660.5	117.1	10.122	0.61
352	12/18/2007	0	-8.16	1.715	-2.695	45.91	95	1150	218.8	18907	1.417	13.76	7.09	614.5	117.9	10.189	0.743
353	12/19/2007	0.06	-3.131	3.695	0.257	54.54	100	750	72.3	6245.1	0	14.6	5.939	422.2	36.57	3.1595	0.243
354	12/20/2007	0.02	-1.034	7.33	2.241	35.2	100	1310	188.1	16255	1.119	18.29	6.084	697.6	95.3	8.2365	0.842
355	12/21/2007	0.17	-1.544	1.664	-0.303	88.1	100	296.1	45.96	3971.1	6.844	19.61	12.4	169.5	24.74	2.1373	0.092
356	12/22/2007	0	-1.429	5.241	2.38	81.8	100	1229	91.5	7903.8	4.876	22.41	11.51	601.4	45.91	3.9672	0.351
357	12/23/2007	0.34	-1.625	12.47	5.675	51.44	100	1312	89.4	7724.7	2.014	32.01	13.41	686.4	45.23	3.9076	0.462
358	12/24/2007	0	-3.847	5.403	-0.123	38.03	69.36	1033	236.9	20472	1.716	12.45	5.503	538.3	122.4	10.573	1.039
359	12/25/2007	0	-3.056	9.14	1.58	29.01	78.2	1016	229.4	19817	0	11.02	3.995	539.5	117.6	10.158	1.007
360	12/26/2007	0	0.283	11.62	3.837	26.06	67.77	1327	172.6	14913	0	14.24	5.926	682.9	86.8	7.4958	0.944
361	12/27/2007	0	2.422	6.77	4.196	51.8	99.5	425.4	48.25	4168.5	0	20.68	6.019	258.5	23.41	2.0226	0.25
362	12/28/2007	0.31	1.618	7.89	4.811	94.1	100	211.6	30.43	2629	2.67	27	11.6	102.4	14.4	1.2441	0.085
363	12/29/2007	0.19	0.269	8.74	4.369	57.13	100	1288	129	11144	0	13.94	3.923	714	70.2	6.0686	0.556
364	12/30/2007	0.18	-0.309	4.169	2.159	91	100	140.6	23.96	2070.1	0	15.31	5.882	66.09	10.74	0.92838	0.038
365	12/31/2007	0	-1.394	7.95	2.403	33.17	94.9	1022	239.5	20692	0	21.1	6.816	543.1	129	11.145	1.148
	Dec-07	2.98	-9.95	19.47	2.71	15.31	100	1327	117.23	313982.8	0	32.01	7.46	714	60.5	162.0458	15.7