

**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)	Total DETo (mm)
244	09/01/2007	0	15.85	28.48	20.19	43.12	99.6	1773	381.7	32982	0	11.73	3.773	1100	224.8	19.427	3.382
245	09/02/2007	0	13.3	28.63	19.98	42.77	91	1740	447.9	38706	0	15.07	6.539	1032	263.7	22.782	3.924
246	09/03/2007	0	16.82	28.99	22.03	33.65	85.2	1706	448.4	38748	1.179	12.15	4.823	1011	266.9	23.057	4.417
247	09/04/2007	0	17.42	29.87	22.66	26.27	71.5	1501	468.5	40485	0	8.99	3.013	894	279.3	24.131	4.725
248	09/05/2007	0	17.58	33.27	24.19	24.09	75.4	1440	438.8	37917	0	9.94	3.563	900	271.9	23.493	4.61
249	09/06/2007	0	18.89	33.6	24.61	25.11	78	1442	391.2	33808	0	12.51	5.926	942	251.3	21.717	4.86
250	09/07/2007	0	18.77	30.26	23.95	30.19	79.6	1560	336.9	29114	0	11.79	5.244	1038	217.3	18.776	4.153
251	09/08/2007	0	18.56	31.12	24.24	27.2	79	1641	374.8	32389	0	13.34	4.523	1053	243.9	21.078	4.466
252	09/09/2007	0	18.06	31.35	23.04	31.03	80.9	1585	298.7	25814	0	11.97	5.059	1060	194.8	16.829	3.681
253	09/10/2007	0.36	18.69	26.15	20.66	61.98	100	1503	149.3	12905	0	15.31	3.129	933	95.9	8.2891	1.516
254	09/11/2007	0.88	14.63	19.99	18.36	86	99.7	713	76.6	6622.5	0	13.88	5.18	483.8	48.85	4.221	0.63
255	09/12/2007	0	10.8	23.12	16.37	31.66	97.9	1419	422.8	36537	0	11.02	3.4	927	278.8	24.088	3.937
256	09/13/2007	0	11.29	25.16	17.8	53.81	88.7	1472	353.6	30556	0	15.73	6.585	961	229.8	19.853	3.28
257	09/14/2007	1.1	15.91	18.41	17.23	86.8	99.9	269.3	52.02	4495.6	0	12.39	4.739	154.3	30.39	2.6261	0.303
258	09/15/2007	0.02	6.821	16.04	11.64	48.3	100	1486	407.8	35245	0	22.83	6.364	980	272.8	23.568	3.101
259	09/16/2007	0	3.841	21.59	11.43	36.42	99.8	1357	398.5	34436	0	12.45	3.429	890	261.3	22.579	3.054
260	09/17/2007	0	7.37	24.54	14.19	30.47	94.6	1336	399.6	34537	0	15.01	7.07	875	262.7	22.698	3.5
261	09/18/2007	0	8.92	24.78	15.59	41.34	94.9	1321	392.1	33886	0	14.48	6.722	867	258.2	22.308	3.477
262	09/19/2007	0	9.87	25.62	16.37	44.8	100	1368	368.3	31830	0	12.39	4.829	903	241.5	20.869	3.209
263	09/20/2007	0	11.54	27.34	18.03	33.38	93.5	1330	388.8	33603	0	12.33	4.226	865	250.7	21.659	3.527
264	09/21/2007	0	13.75	23.69	17.77	62.61	99.7	1866	312.2	26976	0	16.09	6.764	1119	197	17.022	2.565
265	09/22/2007	0	15.37	27.37	20.54	52.68	100	1701	311.1	26887	0	10.18	3.329	1059	192	16.586	2.738
266	09/23/2007	0	17.86	27.83	22.18	45.33	91.1	1569	343.1	29650	0	10.54	2.761	948	207.5	17.931	3.231
267	09/24/2007	0	15.95	30.48	21.8	35.35	95.5	1436	383.8	33167	0	12.51	4.782	857	229.5	19.825	3.462
268	09/25/2007	0	16.77	30.31	22.64	39.64	96.2	1366	357.1	30861	0	11.73	4.897	862	213.8	18.473	3.368
269	09/26/2007	0.02	19.08	28.88	22.6	44.21	89.7	1413	286.7	24776	0	9.59	3.34	884	174.2	15.049	2.743
270	09/27/2007	0.28	14.44	25.24	18.41	55.88	99	1422	242.2	20934	0	21.45	3.963	905	154.1	13.319	2.163
271	09/28/2007	0.02	11.37	19.26	14.95	42.33	99.1	1459	341.3	29494	0	15.55	5.615	977	230.4	19.905	3.016
272	09/29/2007	0	9.17	22.6	14.82	27.89	79.8	1260	354.7	30651	0	12.15	3.466	841	235.9	20.386	3.313
273	09/30/2007	0	8.74	22.73	14.98	31.98	78.2	1273	342.6	29611	1.417	15.91	7.87	860	229.5	19.825	3.5
	Sep-07	2.68	3.841	33.6	19.11	24.09	100	1866	342.37	887623.1	0	22.83	4.83	1119	216.96	562.3692	97.851