

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

Year	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
2007	274	10/1/2007	0	10.07	22.95	15.59	35.56	85	1237	334.4	28894	2.014	19.25	8.97	828	224.8	19.421	3.384
2007	275	10/2/2007	0	11.57	23.49	16.24	45.71	87.2	1395	322.9	27902	1.358	15.61	8.01	977	215.1	18.589	3.059
2007	276	10/3/2007	0	14.1	28.32	19.53	42.73	93.9	1540	295.5	25535	0	12.75	5.884	1001	184.2	15.918	2.732
2007	277	10/4/2007	0	15.8	25.03	19.62	65.48	96	1835	179.1	15482	0	13.4	4.916	1094	109.8	9.4846	1.616
2007	278	10/5/2007	0	16.83	28.14	20.46	46.31	95.9	1826	262.8	22714	0	14.54	4.899	1136	161.5	13.95	2.384
2007	279	10/6/2007	0	15.11	28.64	20.14	36.15	99.7	1385	317.7	27455	0	11.5	4.529	841	190.8	16.485	2.769
2007	280	10/7/2007	0	15.79	28.96	21.31	41.83	97.2	1393	328	28345	0	9.65	3.256	824	194.4	16.8	3.083
2007	281	10/8/2007	0	17.23	30.02	22.8	34.21	90.9	1377	294.8	25472	0	7.98	2.603	849	176.2	15.225	2.887
2007	282	10/9/2007	0.07	14.78	26.43	20.06	47.83	98	1252	174	15037	0	10.18	3.66	913	104	8.9875	1.776
2007	283	10/10/2007	0.01	6.994	21.25	13.96	31.27	99.3	1203	310.1	26800	0	18.95	5.521	802	202.7	17.516	2.91
2007	284	10/11/2007	0.03	4.23	8.28	5.799	66.17	99.7	1406	98.1	8477.5	1.06	12.33	4.891	928	65.61	5.6692	0.687
2007	285	10/12/2007	0	4.873	9.18	6.911	69.94	99	424.9	70	6053.1	0	11.14	3.874	294.4	46.61	4.0276	0.522
2007	286	10/13/2007	0	4.219	16.57	9.25	33.67	97.9	1138	299.6	25893	0	9.77	2.819	766	199.4	17.225	2.368
2007	287	10/14/2007	0	5.649	17.24	11.38	49.04	86.4	1158	287.3	24832	0	12.93	3.635	763	187.9	16.238	2.274
2007	288	10/15/2007	0	8.36	24.06	15.38	36.39	86.9	1205	265.4	22936	0	11.08	5.223	786	170.9	14.763	2.49
2007	289	10/16/2007	0	11.86	24.01	16.59	36.83	88.2	1195	224.3	19380	0	11.56	4.937	795	146.1	12.623	2.238
2007	290	10/17/2007	0	13.26	24.68	17.45	50.55	95	1485	188.9	16321	0	16.09	4.882	1004	120.3	10.398	1.775
2007	291	10/18/2007	0.01	15.6	24.41	18.45	55.4	92.5	1615	191.6	16558	2.491	19.84	9.25	1030	121.6	10.507	1.882
2007	292	10/19/2007	0.21	11.99	19.97	17.15	61.55	96.1	611.2	103.2	8920.8	0	15.13	6.446	381.9	64.65	5.5863	1.051
2007	293	10/20/2007	0.01	9	17.59	12.65	35.92	92.1	1324	291.6	25198	0	14.24	4.079	892	193.8	16.746	2.488
2007	294	10/21/2007	0	6.914	24.54	15.26	23	79.8	1131	283.7	24514	1.417	16.92	7.54	756	186.9	16.149	3.322
2007	295	10/22/2007	0	12.17	21.46	15.72	39.09	90	1492	158.9	13730	0	21.16	9.83	984	101.9	8.8054	1.732
2007	296	10/23/2007	0.2	15.21	22.17	17.7	67.45	100	1062	92	7954.4	0	20.38	8.08	680.3	57.98	5.0096	0.941
2007	297	10/24/2007	2.11	10.29	17.69	13.44	94.6	100	398.7	41.71	3604.7	0	12.33	4.35	263.8	25.93	2.2408	0.256
2007	298	10/25/2007	1.14	9.83	12.93	11.32	97.6	100	409.5	40.13	3468.2	1.179	19.61	6.995	277	26.64	2.3019	0.224
2007	299	10/26/2007	0.3	9.56	13.11	11.65	100	100	222	34.14	2950.1	3.147	17.04	8.32	155.3	24.33	2.1022	0.171
2007	300	10/27/2007	0.01	7.46	13.54	9.89	56.08	100	1320	195.9	16932	1.298	14.18	5.407	950	141.8	12.249	1.482
2007	301	10/28/2007	0.03	2.2	10.26	6.229	40.12	100	1215	226.2	19548	1.298	15.67	6.945	935	169.7	14.664	1.598
2007	302	10/29/2007	0	-0.415	16.43	6.561	28.45	80	986	248.5	21475	0	18.47	3.597	717	181.3	15.667	1.893
2007	303	10/30/2007	0	4.883	19.04	11.01	21.24	65.24	968	245	21174	0	9.83	4.66	704	178.2	15.393	2.55
2007	304	10/31/2007	0	3.954	20.71	11.75	11.04	64.61	986	245.9	21250	0	12.15	6.553	691.1	177.1	15.305	2.755
		Oct-07	4.13	-0.415	30.02	14.56	11.04	100	1835	214.56	574805.8	0	21.16	5.63	1136	140.39	376.0461	61.299