

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

| Date | Total Precip (in.) | Min Temp (°C) | Max Temp (°C) | Ave Temp (°C) | Min RH (%) | Max RH (%) | Max PAR $\mu\text{mol/s/m}^2$ | Ave PAR $\mu\text{mol/s/m}^2$ | Total PAR Flux mmol/m^2 | 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) |
|-----------|--------------------|---------------|---------------|---------------|------------|------------|-------------------------------|-------------------------------|----------------------------------|----------------|----------------|----------------|----------------------------|----------------------------|----------------------------|-----------|
| 4/1/2005 | 0.1 | 5.911 | 13.92 | 9.02 | 36.3 | 100 | 1378 | 184.8 | 15966 | 0 | 25.63 | 8.88 | 1060 | 134.7 | 11.639 | 1.811 |
| 4/2/2005 | 0.91 | -1.896 | 10.35 | 2.498 | 81.6 | 100 | 1814 | 100.1 | 8652.9 | 1.119 | 23.12 | 10.6 | 1502 | 76.5 | 6.611 | 0.567 |
| 4/3/2005 | 0 | -1.876 | 10.18 | 4.317 | 28.39 | 100 | 1834 | 531 | 45882 | 4.459 | 21.99 | 12.78 | 1424 | 413.7 | 35.745 | 3.589 |
| 4/4/2005 | 0 | 4.678 | 16.75 | 10.83 | 25.48 | 57.58 | 1675 | 521 | 45011 | 0 | 22.53 | 8.1 | 1254 | 396.6 | 34.265 | 4.886 |
| 4/5/2005 | 0 | 8.87 | 23.72 | 16.7 | 19.03 | 49.98 | 1634 | 504.8 | 43614 | 0 | 18.65 | 6.328 | 1219 | 375.5 | 32.446 | 6.084 |
| 4/6/2005 | 0 | 15.41 | 23.54 | 18.68 | 18.08 | 46.82 | 1634 | 447.9 | 38695 | 0 | 22.17 | 6.812 | 1225 | 331.9 | 28.674 | 5.689 |
| 4/7/2005 | 0 | 11.78 | 16.83 | 14.42 | 42.4 | 93.6 | 1079 | 152 | 13129 | 0 | 19.49 | 9.45 | 829 | 109.8 | 9.4861 | 1.697 |
| 4/8/2005 | 0.32 | 10.61 | 20.47 | 13.1 | 51.99 | 99.4 | 1978 | 238.8 | 20628 | 0 | 14.89 | 5.181 | 1481 | 178.8 | 15.451 | 2.188 |
| 4/9/2005 | 0 | 6.747 | 20.06 | 12.95 | 27.37 | 85.7 | 1704 | 528 | 45619 | 1.179 | 19.19 | 7.43 | 1265 | 405.5 | 35.039 | 5.244 |
| 4/10/2005 | 0 | 7.52 | 23.92 | 16.12 | 15.14 | 68.99 | 1703 | 533.6 | 46103 | 0 | 14.95 | 6.454 | 1269 | 401.6 | 34.701 | 6.178 |
| 4/11/2005 | 0 | 13.99 | 23.75 | 18.92 | 16.31 | 51.43 | 2009 | 454.2 | 39239 | 0 | 13.22 | 4.262 | 1579 | 336.5 | 29.077 | 5.516 |
| 4/12/2005 | 0.19 | 5.346 | 14.91 | 9.07 | 49.47 | 99.8 | 575.9 | 97.7 | 8442.8 | 2.789 | 19.61 | 11.55 | 451.9 | 73.9 | 6.3854 | 0.768 |
| 4/13/2005 | 0.01 | 4.178 | 7.19 | 5.381 | 75 | 100 | 786 | 74.4 | 6429.4 | 2.133 | 16.68 | 7.14 | 664.1 | 59.92 | 5.177 | 0.533 |
| 4/14/2005 | 0 | 3.544 | 15.86 | 10.23 | 20.68 | 78.8 | 1668 | 539.5 | 46616 | 0 | 17.64 | 6.334 | 1301 | 421.6 | 36.426 | 5.226 |
| 4/15/2005 | 0 | 4.921 | 18.19 | 11 | 23.41 | 66.09 | 1689 | 519.7 | 44904 | 1.239 | 16.98 | 5.6 | 1314 | 401.3 | 34.668 | 5.045 |
| 4/16/2005 | 0 | 1.681 | 18.54 | 9.71 | 12.19 | 46 | 1684 | 541.7 | 46799 | 1.179 | 17.7 | 8.28 | 1330 | 433 | 37.41 | 5.638 |
| 4/17/2005 | 0 | 5.235 | 20.78 | 13.51 | 11.1 | 40.65 | 1807 | 495 | 42771 | 1.119 | 12.75 | 6 | 1415 | 384.7 | 33.241 | 5.853 |
| 4/18/2005 | 0 | 12.5 | 22.1 | 16.84 | 18.14 | 52.06 | 1922 | 370.3 | 31993 | 0 | 12.33 | 4.307 | 1588 | 285.3 | 24.653 | 4.335 |
| 4/19/2005 | 0 | 14.51 | 25.42 | 19 | 21.3 | 57.12 | 1943 | 420.4 | 36323 | 0 | 11.56 | 3.64 | 1454 | 326.1 | 28.178 | 5.052 |
| 4/20/2005 | 0 | 14.52 | 23.54 | 18.55 | 24.44 | 60.47 | 2204 | 485.6 | 41954 | 1.179 | 14.72 | 5.522 | 1720 | 366.5 | 31.662 | 5.732 |
| 4/21/2005 | 0.4 | 11.11 | 23.72 | 15.78 | 35.56 | 99.3 | 1956 | 325.6 | 28134 | 0 | 13.28 | 4.987 | 1587 | 253.8 | 21.928 | 3.751 |
| 4/22/2005 | 0.38 | 10.51 | 19.7 | 12.87 | 66.78 | 99.9 | 1744 | 179.5 | 15511 | 1.775 | 19.43 | 7.26 | 1541 | 150.4 | 12.991 | 1.611 |
| 4/23/2005 | 0.16 | -1.255 | 11.4 | 5.035 | 70.5 | 100 | 1940 | 189.3 | 16357 | 2.252 | 19.78 | 8.03 | 1475 | 153.1 | 13.224 | 1.213 |
| 4/24/2005 | 0.17 | -3.772 | 0.167 | -1.623 | 94.6 | 100 | 1570 | 193.3 | 16698 | 2.61 | 19.84 | 7.59 | 1231 | 156.8 | 13.545 | 0.837 |
| 4/25/2005 | 0.1 | 0.084 | 13.3 | 6.795 | 28.41 | 96.6 | 2013 | 558.4 | 48249 | 2.014 | 20.98 | 7.22 | 1554 | 443.7 | 38.331 | 4.49 |
| 4/26/2005 | 0.02 | 5.829 | 16.28 | 9.75 | 33.24 | 94 | 2326 | 341 | 29462 | 2.729 | 29.03 | 10.63 | 1708 | 270.5 | 23.367 | 3.306 |
| 4/27/2005 | 0.08 | 2.705 | 11.17 | 5.769 | 53.86 | 92.5 | 2485 | 253.7 | 21919 | 1.775 | 15.73 | 5.758 | 2083 | 204.5 | 17.669 | 1.982 |
| 4/28/2005 | 0.02 | 2.114 | 12.55 | 6.94 | 35.28 | 95.9 | 1856 | 392.1 | 33881 | 1.06 | 12.69 | 5.316 | 1493 | 304.9 | 26.347 | 3.428 |
| 4/29/2005 | 0.62 | 4.902 | 14.05 | 9.42 | 82.1 | 99.8 | 880 | 83.4 | 7202.4 | 0 | 11.79 | 4.562 | 665.7 | 64.66 | 5.5869 | 0.695 |
| 4/30/2005 | 0.57 | 5.492 | 14.07 | 10.76 | 94.7 | 100 | 821 | 64.32 | 5557 | 1.239 | 16.8 | 7.05 | 691.5 | 51.78 | 4.4735 | 0.487 |
| Summary: | 4.05 | -3.77 | 25.42 | 11.08 | 11.1 | 100 | 2485 | 344.04 | 891741.5 | 0 | 29.03 | 7.10 | 2083 | 265.59 | 688.40 | 103.43 |