**Table S1.** Climatic data of rainfall, minimum and maximum temperatures, relative humidity, wind speed and solar radiation from 2007 to 2017.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | **rainfall (mm)** | **minimum temp. (°C)** | **max temp. (°C)** | **relative humidity (%)** | **wind (m/s)** | **solar radiation MJ/m2** | **hours of sunshine** |
| **2007** |  |  |  |  |  |  |  |
| January | 88 | 2.3 | 10.9 | 82 | 1.3 | 11.66 | 9.24 |
| February | 113.2 | 2.8 | 12.5 | 74 | 1.8 | 14.47 | 10.35 |
| March | 70.6 | 4.6 | 14.2 | 70 | 2 | 19.19 | 12.17 |
| April | 1.8 | 6.8 | 21.9 | 56 | 1.5 | 22.77 | 13.24 |
| May | 69.4 | 10.1 | 23.6 | 61 | 1.2 | 26.83 | 14.5 |
| June | 40.2 | 13.9 | 28 | 52 | 1.5 | 29.23 | 15.2 |
| July | 0.8 | 14.2 | 32.4 | 34 | 1.8 | 29.54 | 15.22 |
| August | 48 | 14.8 | 29.6 | 48 | 1.5 | 25.54 | 14.1 |
| September | 47 | 10.1 | 24.2 | 51 | 1.8 | 20.78 | 12.27 |
| October | 47.6 | 8.3 | 18.8 | 62 | 1.4 | 16.08 | 11.21 |
| November | 37 | 2.4 | 12.2 | 70 | 1.6 | 11.77 | 9.52 |
| December | 59.8 | 0.4 | 8.3 | 74 | 1.9 | 9.71 | 9.34 |
| **2008** |  |  |  |  |  |  |  |
| January | 95.6 | 2.3 | 9.9 | 79.0 | 1.6 | 11.66 | 9.24 |
| February | 36.8 | 0.9 | 11.5 | 68.0 | 1.4 | 14.47 | 10.35 |
| March | 119.2 | 3.6 | 13.1 | 75.0 | 2.0 | 19.19 | 12.17 |
| April | 118.8 | 6.2 | 17.2 | 68.0 | 2.5 | 22.77 | 13.24 |
| May | 82.0 | 9.8 | 22.8 | 65.0 | 1.4 | 26.83 | 14.50 |
| June | 116.2 | 14.2 | 27.2 | 67.0 | 1.1 | 29.23 | 15.20 |
| July | 22.6 | 14.5 | 30.3 | 52.0 | 1.6 | 29.54 | 15.22 |
| August | 12.4 | 14.8 | 31.8 | 48.0 | 1.6 | 25.54 | 14.10 |
| September | 60.8 | 11.0 | 24.1 | 61.0 | 1.7 | 20.78 | 12.27 |
| October | 38.8 | 9.7 | 21.2 | 71.0 | 1.6 | 16.08 | 11.21 |
| November | 156.2 | 5.2 | 13.5 | 83.0 | 1.6 | 11.77 | 9.52 |
| December | 173.6 | 1.6 | 8.0 | 85.0 | 1.8 | 9.71 | 9.34 |
| **2009** |  |  |  |  |  |  |  |
| January | 62.8 | 1.3 | 8.5 | 82.0 | 1.7 | 11.66 | 9.24 |
| February | 57.4 | -0.3 | 9.7 | 73.0 | 1.6 | 14.47 | 10.35 |
| March | 110.4 | 2.5 | 13.9 | 71.0 | 2.0 | 19.19 | 12.17 |
| April | 77.6 | 7.0 | 19.2 | 73.0 | 1.4 | 22.77 | 13.24 |
| May | 52.2 | 9.9 | 25.7 | 60.0 | 1.2 | 26.83 | 14.50 |
| June | 55.6 | 12.6 | 25.8 | 63.0 | 1.7 | 29.23 | 15.20 |
| July | 9.8 | 15.2 | 31.0 | 53.0 | 0.9 | 29.54 | 15.22 |
| August | 26.8 | 16.5 | 32.2 | 54.0 | 1.1 | 25.54 | 14.10 |
| September | 50.6 | 14.3 | 26.0 | 62.0 | 2.2 | 20.78 | 12.27 |
| October | 41.8 | 6.8 | 19.2 | 69.0 | 2.0 | 16.08 | 11.21 |
| November | 82.6 | 4.5 | 14.5 | 88.0 | 0.9 | 11.77 | 9.52 |
| December | 109.0 | 2.6 | 9.7 | 86.0 | 1.9 | 9.71 | 9.34 |
| **2010** |  |  |  |  |  |  |  |
| January | 176.2 | 0.6 | 7.2 | 85.0 | 1.9 | 11.66 | 9.24 |
| February | 143.8 | 2.0 | 10.1 | 82.0 | 1.6 | 14.47 | 10.35 |
| March | 37.2 | 3.0 | 13.6 | 72.0 | 1.9 | 19.19 | 12.17 |
| April | 80.4 | 5.3 | 18.3 | 71.0 | 1.9 | 22.77 | 13.24 |
| May | 142.0 | 9.5 | 20.6 | 77.0 | 1.1 | 26.83 | 14.50 |
| June | 55.0 | 12.4 | 26.3 | 62.0 | 1.2 | 29.23 | 15.20 |
| July | 27.2 | 16.2 | 31.2 | 52.0 | 1.4 | 29.54 | 15.22 |
| August | 44.6 | 15.2 | 29.2 | 60.0 | 1.1 | 25.54 | 14.10 |
| September | 101.2 | 11.5 | 24.1 | 69.0 | 1.2 | 20.78 | 12.27 |
| October | 55.2 | 8.2 | 18.0 | 78.0 | 1.6 | 16.08 | 11.21 |
| November | 247.8 | 5.9 | 13.8 | 89.0 | 1.1 | 11.77 | 9.52 |
| December | 99.6 | 1.7 | 8.9 | 82.0 | 1.9 | 9.71 | 9.34 |
| **2011** |  |  |  |  |  |  |  |
| January | 39.4 | 1.2 | 8.9 | 84.0 | 2.0 | 11.66 | 9.24 |
| February | 36.4 | 0.9 | 10.5 | 72.0 | 2.3 | 14.47 | 10.35 |
| March | 86.6 | 3.2 | 12.9 | 68.0 | 2.3 | 19.19 | 12.17 |
| April | 13.2 | 6.3 | 20.0 | 59.0 | 2.2 | 22.77 | 13.24 |
| May | 52.6 | 8.8 | 23.8 | 56.0 | 1.6 | 26.83 | 14.50 |
| June | 24.4 | 13.6 | 27.9 | 59.0 | 1.1 | 29.23 | 15.20 |
| July | 89.0 | 14.7 | 28.8 | 58.0 | 0.8 | 29.54 | 15.22 |
| August | 0.2 | 15.2 | 32.1 | 48.0 | 1.0 | 25.54 | 14.10 |
| September | 37.0 | 13.9 | 29.0 | 56.0 | 1.3 | 20.78 | 12.27 |
| October | 42.0 | 7.4 | 19.9 | 69.0 | 1.8 | 16.08 | 11.21 |
| November | 10.4 | 3.5 | 14.6 | 82.0 | 1.6 | 11.77 | 9.52 |
| December | 86.6 | 2.7 | 11.3 | 81.0 | 1.3 | 9.71 | 9.34 |
| **2012** |  |  |  |  |  |  |  |
| January | 42.6 | -1.8 | 9.7 | 75.0 | 1.7 | 11.66 | 9.24 |
| February | 23.8 | -1.4 | 6.8 | 68.0 | 2.4 | 14.47 | 10.35 |
| March | 9.0 | 3.1 | 18.3 | 55.0 | 1.9 | 19.19 | 12.17 |
| April | 95.6 | 6.9 | 18.9 | 73.0 | 0.9 | 22.77 | 13.24 |
| May | 85.6 | 8.5 | 22.1 | 68.0 | 1.4 | 26.83 | 14.50 |
| June | 25.2 | 14.0 | 30.2 | 51.0 | 0.9 | 29.23 | 15.20 |
| July | 18.4 | 15.8 | 33.0 | 42.0 | 1.4 | 29.54 | 15.22 |
| August | 26.8 | 16.3 | 33.7 | 40.0 | 1.3 | 25.54 | 14.10 |
| September | 57.0 | 13.5 | 25.5 | 63.0 | 1.6 | 20.78 | 12.27 |
| October | 145.2 | 10.1 | 21.4 | 77.0 | 0.7 | 16.08 | 11.21 |
| November | 261.4 | 7.3 | 15.4 | 84.0 | 1.8 | 11.77 | 9.52 |
| December | 104.6 | 0.8 | 8.9 | 86.0 | 1.4 | 9.71 | 9.34 |
| **2013** |  |  |  |  |  |  |  |
| January | 123.4 | 1.4 | 8.2 | 89.0 | 1.5 | 11.66 | 9.24 |
| February | 112.2 | 0.1 | 9.0 | 76.0 | 2.0 | 14.47 | 10.35 |
| March | 149.2 | 4.1 | 13.5 | 76.0 | 1.3 | 19.19 | 12.17 |
| April | 66.0 | 7.9 | 20.4 | 67.0 | 1.3 | 22.77 | 13.24 |
| May | 196.8 | 10.1 | 20.5 | 76.0 | 0.9 | 26.83 | 14.50 |
| June | 52.6 | 12.6 | 26.5 | 62.0 | 1.0 | 29.23 | 15.20 |
| July | 18.0 | 15.2 | 30.6 | 55.0 | 1.3 | 29.54 | 15.22 |
| August | 29.4 | 15.9 | 31.2 | 49.0 | 1.3 | 25.54 | 14.10 |
| September | 102.6 | 12.7 | 26.1 | 63.0 | 0.8 | 20.78 | 12.27 |
| October | 160.4 | 11.5 | 21.1 | 83.0 | 0.6 | 16.08 | 11.21 |
| November | 208.6 | 6.9 | 13.9 | 84.0 | 2.0 | 11.77 | 9.52 |
| December | 14.6 | 1.5 | 9.2 | 88.0 | 1.3 | 9.71 | 9.34 |
| **2014** |  |  |  |  |  |  |  |
| January | 121.8 | 3.0 | 10.2 | 76.0 | 1.1 | 11.66 | 9.24 |
| February | 131.0 | 4.8 | 13.5 | 65.0 | 1.0 | 14.47 | 10.35 |
| March | 49.8 | 3.9 | 15.5 | 67.0 | 1.6 | 19.19 | 12.17 |
| April | 104.2 | 6.9 | 18.8 | 71.0 | 1.3 | 22.77 | 13.24 |
| May | 79.8 | 9.2 | 21.8 | 64.0 | 1.0 | 26.83 | 14.50 |
| June | 64.2 | 13.3 | 27.6 | 53.0 | 1.3 | 29.23 | 15.20 |
| July | 235.6 | 15.5 | 27.9 | 50.0 | 0.8 | 29.54 | 15.22 |
| August | 35.4 | 15.2 | 28.7 | 43.0 | 0.7 | 25.54 | 14.10 |
| September | 107.4 | 13.1 | 24.4 | 59.0 | 1.1 | 20.78 | 12.27 |
| October | 22.8 | 10.8 | 21.7 | 78.0 | 1.4 | 16.08 | 11.21 |
| November | 152.4 | 8.2 | 16.4 | 81.0 | 1.0 | 11.77 | 9.52 |
| December | 49.2 | 3.8 | 11.0 | 86.0 | 1.4 | 9.71 | 9.34 |
| **2015** |  |  |  |  |  |  |  |
| January | 36.2 | 1.2 | 10.6 | 76.0 | 1.5 | 11.66 | 9.24 |
| February | 75.4 | 1.9 | 10.5 | 73.0 | 2.5 | 14.47 | 10.35 |
| March | 125.0 | 4.2 | 14.2 | 66.0 | 2.1 | 19.19 | 12.17 |
| April | 32.2 | 5.6 | 18.8 | 58.0 | 1.3 | 22.77 | 13.24 |
| May | 53.0 | 10.6 | 24.4 | 57.0 | 1.1 | 26.83 | 14.50 |
| June | 34.6 | 13.5 | 28.5 | 52.0 | 1.3 | 29.23 | 15.20 |
| July | 16.8 | 18.3 | 34.6 | 43.0 | 0.8 | 29.54 | 15.22 |
| August | 73.2 | 16.8 | 31.5 | 53.0 | 1.1 | 25.54 | 14.10 |
| September | 23.4 | 13.2 | 25.5 | 55.0 | 1.5 | 20.78 | 12.27 |
| October | 113.8 | 10.9 | 19.6 | 74.0 | 1.8 | 16.08 | 11.21 |
| November | 57.0 | 5.3 | 14.9 | 81.0 | 1.0 | 11.77 | 9.52 |
| December | 2.0 | 1.2 | 9.6 | 91.0 | 0.5 | 9.71 | 9.34 |
| **2016** |  |  |  |  |  |  |  |
| January | 103.6 | 2.1 | 10.4 | 85.2 | 0.9 | 11.66 | 9.24 |
| February | 127.4 | 5.0 | 13.3 | 85.6 | 1.3 | 14.47 | 10.35 |
| March | 36.8 | 4.5 | 14.4 | 78.7 | 2.2 | 19.19 | 12.17 |
| April | 91.2 | 7.3 | 20.6 | 63.5 | 1.1 | 22.77 | 13.24 |
| May | 121.4 | 9.6 | 21.9 | 75.9 | 0.9 | 26.83 | 14.50 |
| June | 194.8 | 14.0 | 26.8 | 76.4 | 0.8 | 29.23 | 15.20 |
| July | 42.4 | 16.1 | 31.6 | 59.9 | 1.0 | 29.54 | 15.22 |
| August | 75.0 | 14.8 | 29.3 | 63.6 | 1.5 | 25.54 | 14.10 |
| September | 137.0 | 12.8 | 26.0 | 69.6 | 1.5 | 20.78 | 12.27 |
| October | 133.6 | 9.6 | 19.7 | 78.3 | 1.4 | 16.08 | 11.21 |
| November | 112.6 | 6.1 | 14.6 | 81.7 | 1.0 | 11.77 | 9.52 |
| December | 3.0 | 0.8 | 10.7 | 62.4 | 1.4 | 9.71 | 9.34 |
| **2017** |  |  |  |  |  |  |  |
| January | 27.8 | -1.3 | 7.4 | 70.0 | 2.5 | 11.66 | 9.24 |
| February | 62.4 | 3.9 | 12.9 | 79.1 | 1.4 | 14.47 | 10.35 |
| March | 79.8 | 3.8 | 17.4 | 61.3 | 1.6 | 19.19 | 12.17 |
| April | 58.6 | 5.3 | 19.7 | 62.4 | 1.3 | 22.77 | 13.24 |
| May | 27.6 | 9.5 | 24.1 | 66.0 | 1.1 | 26.83 | 14.50 |
| June | 65.6 | 14.9 | 30.1 | 57.1 | 1.0 | 29.23 | 15.20 |
| July | 47.0 | 15.6 | 32.5 | 51.5 | 0.9 | 29.54 | 15.22 |
| August | 17.6 | 16.6 | 34.4 | 44.5 | 1.1 | 25.54 | 14.10 |
| September | 91.8 | 11.4 | 24.0 | 74.3 | 1.1 | 20.78 | 12.27 |
| October | 20.4 | 6.8 | 22.1 | 63.4 | 0.9 | 16.08 | 11.21 |
| November | 106.2 | 4.7 | 13.7 | 82.2 | 1.2 | 11.77 | 9.52 |
| December | 135.8 | 0.7 | 10.0 | 81.6 | 1.5 | 9.71 | 9.34 |