**WEATHER STATION**

**Department of Agricultural Engineering**

**Records of Climatological Observations (Daily)**

 **Location: BSMRAU Campus** **Month: January, 2013**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Date | \*\* Air Temp. (oC) | \*\* Soil Temp. (oC), Depth | \*\*Dry/Wet bulb Temp. (oC) at 9am | \*\*Humidity | \*Rainfall | \*Evaporation | Atmospheric pressure | Ground water table |
| Max. | Min. | Ave. | 10 cm. | 20 cm. | 30 cm. | Dry  | Wet | (%) | (mm) | (mm) | (inHg) | (m) |
| { |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 1 | 23.0 | 09.0 | 16.0 | 19.5 | 19.0 | 19.5 | \*\*\* | \*\*\* | 80.0 | 0.00 | 1.19 | \*\*\* | - |
| 2 | 26.0 | 09.0 | 17.5 | 19.0 | 19.0 | 19.5 | - | - | 81.0 | 0.00 | 1.45 | - | - |
| 3 | 26.0 | 13.0 | 19.5 | 19.0 | 19.5 | 19.5 | - | - | 81.0 | 0.00 | 1.45 | - | - |
| 4 | 25.0 | 12.0 | 18.5 | 19.0 | 19.5 | 20.0 | - | - | 81.0 | 0.00 | 1.45 | - | - |
| 5 | 24.0 | 11.0 | 17.5 | 19.5 | 19.0 | 19.5 | - | - | 91.0 | 0.00 | 1.59 | - | 20.26 |
| 6 | 25.0 | 10.0 | 17.5 | 19.0 | 19.5 | 18.5 | - | - | 81.0 | 0.00 | 1.68 | - | - |
| 7 | 25.0 | 08.0 | 16.5 | 18.5 | 18.0 | 18.0 | - | - | 81.0 | 0.00 | 1.72 | - | - |
| 8 | 21.0 | 11.0 | 16.0 | 18.0 | 18.5 | 18.5 | - | - | 80.0 | 0.00 | 1.63 | - | - |
| 9 | 17.0 | 07.0 | 12.0 | 18.0 | 17.5 | 17.5 | - | - | 81.0 | 0.00 | 1.54 | - | - |
| 10 | 15.0 | 04.0 | 09.5 | 17.5 | 16.5 | 15.5 | - | - | 89.0 | 0.00 | 0.88 | - | - |
| 11 | 17.0 | 06.0 | 11.5 | 17.5 | 17.0 | 16.5 | - | - | 89.0 | 0.00 | 0.69 | - | - |
| 12 | 17.0 | 05.0 | 11.0 | 17.0 | 16.5 | 16.0 | - | - | 79.0 | 0.00 | 0.88 | - | 20.47 |
| 13 | 23.0 | 07.0 | 15.0 | 17.0 | 16.5 | 15.5 | - | - | 89.0 | 0.00 | 1.06 | - | - |
| 14 | 24.0 | 08.0 | 16.0 | 18.0 | 17.5 | 17.5 | - | - | 90.0 | 0.00 | 1.45 | - | - |
| 15 | 25.0 | 09.0 | 17.0 | 18.0 | 17.5 | 17.5 | - | - | 90.0 | 0.00 | 1.59 | - | - |
| 16 | 26.0 | 10.0 | 18.0 | 17.5 | 18.0 | 19.0 | - | - | 91.0 | 0.00 | 1.68 | - | - |

\*Daily total, \*\*Daily Average, \*\*\* Instrument out of order P.T.O.

**WEATHER STATION**

**Department of Agricultural Engineering**

**Records of Climatological Observations (Daily)**

 **Location: BSMRAU Campus Month: January, 2013**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Date | \*\* Air Temp. (oC) | \*\* Soil Temp. (oC), Depth | \*\*Dry/Wet bulb Temp. (oC) at 9am | \*\*Humidity | \*Rainfall | \*Evaporation | Atmospheric pressure | Ground water table |
| Max. | Min. | Ave. | 10 cm. | 20 cm. | 30 cm. | Dry | Wet | (%) | (mm) | (mm) | (inHg) | (m) |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 17 | 22.0 | 08.0 | 15.0 | 17.0 | 18.0 | 18.5 | - | - | 91.0 | 0.00 | 1.72 | - | - |
| 18 | 28.0 | 11.0 | 19.5 | 19.0 | 18.0 | 17.5 | - | - | 90.0 | 0.00 | 1.72 | - | - |
| 19 | 28.0 | 11.0 | 19.5 | 19.0 | 18.5 | 17.5 | - | - | 73.0 | 0.00 | 1.76 | - | - |
| 20 | 28.0 | 14.0 | 21.0 | 19.5 | 20.5 | 20.5 | - | - | 81.0 | 00.0 | 2.21 | - | 20.80 |
| 21 | 26.0 | 13.0 | 19.5 | 19.5 | 20.0 | 20.5 | - | - | 74.0 | 0.00 | 2.16 | - | - |
| 22 | 26.0 | 11.0 | 18.5 | 18.5 | 19.0 | 19.0 | - | - | 81.0 | 0.00 | 2.25 | - | - |
| 23 | 26.0 | 13.0 | 19.5 | 18.5 | 19.0 | 19.0 | - | - | 81.0 | 0.00 | 2.47 | - | - |
| 24 | 25.0 | 12.0 | 18.5 | 19.5 | 19.5 | 18.0 | - | - | 81.0 | 0.00 | 2.65 | - | - |
| 25 | 25.0 | 09.0 | 17.0 | 18.5 | 19.0 | 20.0 | - | - | 81.0 | 0.00 | 3.09 | - | - |
| 26 | 21.0 | 09.0 | 15.0 | 18.5 | 17.0 | 19.5 | - | - | 84.0 | 0.00 | 2.83 | - | - |
| 27 | 22.0 | 09.0 | 15.5 | 18.0 | 18.5 | 17.5 | - | - | 81.0 | 0.00 | 2.47 | - | 21.07 |
| 28 | 22.0 | 11.0 | 16.5 | 18.5 | 18.0 | 17.0 | - | - | 91.0 | 0.00 | 1.32 | - | - |
| 29 | 25.0 | 12.0 | 18.5 | 18.0 | 18.5 | 17.5 | - | - | 81.0 | 0.00 | 1.41 | - | - |
| 30 | 25.0 | 10.0 | 17.5 | 19.0 | 18.5 | 18.0 | - | - | 81.0 | 0.00 | 1.76 | - | - |
| 31 | 26.0 | 10.0 | 18.0 | 18.5 | 19.0 | 19.5 | - | - | 81.0 | 0.00 | 2.56 | - | - |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Total/Av. | 23.67 | 9.74 | 16.70 | 18.43 | 18.38 | 18.30 | - | - | 83.41 | 0.00 | 54.31 | - | 20.65 |

\*Daily total, \*\*Daily Average, \*\*\* Instrument out of order

**WEATHER STATION**

**Department of Agricultural Engineering**

**Records of Climatological Observations (Daily)**

 **Location: BSMRAU Campus** **Month: February, 2013**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Date | \*\* Air Temp. (oC) | \*\* Soil Temp. (oC), Depth | \*\*Dry/Wet bulb Temp. (oC) at 9am | \*\*Humidity | \*Rainfall | \*Evaporation | Atmospheric pressure | Ground water table |
| Max. | Min. | Ave. | 10 cm. | 20 cm. | 30 cm. | Dry | Wet | (%) | (mm) | (mm) | (inHg) | (m) |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 1 | 26.0 | 13.0 | 19.5 | 18.5 | 18.5 | 19.0 | \*\*\* | \*\*\* | 71.0 | 0.00 | 2.21 | \*\*\* | - |
| 2 | 27.0 | 11.0 | 19.0 | 19.5 | 20.5 | 20.5 | - | - | 73.0 | 0.00 | 1.32 | - | - |
| 3 | 28.0 | 15.0 | 21.5 | 20.0 | 19.5 | 20.0 | - | - | 73.0 | 0.00 | 1.76 | - | 21.32 |
| 4 | 28.0 | 13.0 | 20.5 | 19.0 | 19.5 | 20.0 | - | - | 73.0 | 0.00 | 2.65 | - | - |
| 5 | 29.0 | 13.0 | 21.0 | 19.5 | 20.0 | 20.5 | - | - | 69.0 | 0.00 | 2.38 | - | - |
| 6 | 30.0 | 14.0 | 22.0 | 20.0 | 20.5 | 20.5 | - | - | 64.0 | 0.00 | 2.65 | - | - |
| 7 | 30.0 | 15.0 | 22.5 | 20.5 | 20.5 | 21.0 | - | - | 63.0 | 0.00 | 2.74 | - | - |
| 8 | 30.0 | 19.0 | 24.5 | 21.0 | 21.0 | 21.5 | - | - | 63.0 | 0.00 | 3.53 | - | - |
| 9 | 26.0 | 15.0 | 20.5 | 21.0 | 21.5 | 22.0 | - | - | 62.0 | 0.00 | 4.15 | - | - |
| 10 | 26.0 | 13.0 | 19.5 | 21.0 | 20.5 | 20.0 | - | - | 61.0 | 0.00 | 4.42 | - | 21.26 |
| 11 | 27.0 | 15.0 | 21.0 | 21.5 | 21.0 | 22.0 | - | - | 61.0 | 0.00 | 3.53 | - | - |
| 12 | 29.0 | 14.0 | 21.5 | 21.5 | 21.0 | 22.0 | - | - | 61.0 | 0.00 | 3.09 | - | - |
| 13 | 29.0 | 18.0 | 23.5 | 20.5 | 21.0 | 21.5 | - |  | 59.0 | 0.00 | 3.22 | - | - |
| 14 | 30.0 | 14.0 | 22.0 | 21.0 | 21.5 | 22.0 | - |  | 64.0 | 0.00 | 3.53 | - | - |
| 15 | 30.0 | 12.0 | 21.0 | 22.0 | 21.5 | 23.0 | - | - | 59.0 | 0.00 | 4.33 | - | - |
| 16 | 30.0 | 15.0 | 22.5 | 20.0 | 21.0 | 21.5 | - | - | 67.0 | 0.00 | 2.65 | - | - |

\*Daily total, \*\*Daily Average, \*\*\* Instrument out of order P.T.O.

**WEATHER STATION**

**Department of Agricultural Engineering**

**Records of Climatological Observations (Daily)**

 **Location: BSMRAU Campus Month: February, 2013**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Date | \*\* Air Temp. (oC) | \*\* Soil Temp. (oC), Depth | \*\*Dry/Wet bulb Temp. (oC) at 9am | \*\*Humidity | \*Rainfall | \*Evaporation | Atmospheric pressure | Ground water table |
| Max. | Min. | Ave. | 10 cm. | 20 cm. | 30 cm. | Dry | Wet | (%) | (mm) | (mm) | (inHg) | (m) |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 17 | 27.0 | 19.0 | 23.0 | 21.0 | 21.5 | 21.5 | - | - | 82.0 | 0.00 | 2.65 | - | 21.32 |
| 18 | 20.0 | 16.0 | 18.0 | 21.5 | 21.0 | 20.0 | - | - | 82.0 | 9.74 | 0.87 | - | - |
| 19 | 20.0 | 12.0 | 16.0 | 19.5 | 20.0 | 19.0 | - | - | 82.0 | 0.00 | 0.88 | - | - |
| 20 | 25.0 | 14.0 | 19.5 | 20.5 | 20.0 | 19.0 | - | - | 80.0 | 0.00 | 2.43 | - | - |
| 21 | 27.0 | 16.0 | 21.5 | 21.0 | 20.5 | 20.0 | - | - | 82.0 | 0.00 | 3.53 | - | - |
| 22 | 28.0 | 17.0 | 22.5 | 21.5 | 21.0 | 20.5 | - | - | 82.0 | 0.00 | 4.42 | - | - |
| 23 | 31.0 | 18.0 | 24.5 | 22.5 | 22.0 | 23.0 | - | - | 82.0 | 0.00 | 5.30 | - | - |
| 24 | 32.0 | 18.0 | 25.0 | 22.0 | 21.5 | 21.0 | - | - | 81.0 | 0.00 | 3.98 | - | 21.43 |
| 25 | 32.0 | 18.0 | 25.0 | 22.5 | 22.5 | 22.0 | - | - | 82.0 | 0.00 | 4.42 | - | - |
| 26 | 32.0 | 17.0 | 24.5 | 23.0 | 22.5 | 21.5 | - | - | 72.0 | 00.0 | 3.53 | - | - |
| 27 | 31.0 | 17.0 | 24.0 | 22.5 | 22.5 | 22.0 | - | - | 73.0 | 0.00 | 3.98 | - | - |
| 28 | 31.0 | 16.0 | 23.5 | 23.0 | 22.5 | 22.0 | - | - | 72.0 | 0.00 | 4.86 | - | - |
|  |  |  |  |  |  |  |  |  |  |  |  | - |  |
| Total/Av. | 28.25 | 15.25 | 21.75 | 20.96 | 20.94 | 21.01 | - | -  | 71.25 | 9.74 | 89.01 |  - | 21.33 |

\*Daily total, \*\*Daily Average, \*\*\* Instrument out of order

**WEATHER STATION**

**Department of Agricultural Engineering**

**Records of Climatological Observations (Daily)**

 **Location: BSMRAU Campus** **Month: March, 2013**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Date | \*\* Air Temp. (oC) | \*\* Soil Temp. (oC), Depth | \*\*Dry/Wet bulb Temp. (oC) at 9am | \*\*Humidity | \*Rainfall | \*Evaporation | Atmospheric pressure | Ground water table |
| Max. | Min. | Ave. | 10 cm. | 20 cm. | 30 cm. | Dry | Wet | (%) | (mm) | (mm) | (inHg) | (m) |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 1 | 31.0 | 15.0 | 23.0 | 22.5 | 21.5 | 22.0 | \*\*\* | \*\*\* | 62.0 | 0.00 | 5.30 | \*\*\* | - |
| 2 | 29.0 | 13.0 | 21.0 | 22.5 | 22.0 | 21.5 | - | - | 72.0 | 0.00 | 4.86 | - | - |
| 3 | 30.0 | 15.0 | 22.5 | 22.5 | 22.0 | 21.5 | - | - | 76.0 | 0.00 | 4.42 | - | 21.58 |
| 4 | 30.0 | 16.0 | 23.0 | 23.0 | 22.5 | 22.0 | - | - | 76.0 | 0.00 | 3.36 | - | - |
| 5 | 31.0 | 15.0 | 23.0 | 23.0 | 22.5 | 21.5 | - | - | 60.0 | 0.00 | 2.91 | - | - |
| 6 | 32.0 | 16.0 | 24.0 | 23.0 | 22.5 | 22.0 | - | - | 59.0 | 0.00 | 4.42 | - | - |
| 7 | 32.0 | 15.0 | 23.5 | 23.0 | 22.5 | 22.0 | - | - | 60.0 | 0.00 | 4.45 | - | - |
| 8 | 33.0 | 16.5 | 24.75 | 23.0 | 22.5 | 22.5 | - | - | 59.0 | 0.00 | 4.33 | - | - |
| 9 | 33.0 | 17.0 | 25.0 | 23.0 | 23.0 | 22.5 | - | - | 60.0 | 0.00 | 4.77 | - | - |
| 10 | 33.0 | 18.0 | 25.5 | 23.0 | 22.5 | 22.0 | - | - | 60.0 | 0.00 | 5.13 | - | 21.61 |
| 11 | 34.0 | 20.0 | 27.0 | 24.0 | 23.5 | 24.0 | - | - | 72.0 | 0.00 | 3.45 | - | - |
| 12 | 31.0 | 22.0 | 26.5 | 23.0 | 23.5 | 23.5 | - | - | 72.0 | 0.00 | 2.47 | - | - |
| 13 | 31.0 | 23.0 | 27.0 | 23.0 | 23.5 | 24.0 | - | - | 76.0 | 0.00 | 2.65 | - | - |
| 14 | 32.0 | 21.0 | 26.5 | 24.0 | 24.0 | 25.0 | - | - | 76.0 | 0.00 | 3.18 | - | - |
| 15 | 31.0 | 20.0 | 25.5 | 24.0 | 24.5 | 25.0 | - | - | 76.0 | 0.00 | 2.91 | - | - |
| 16 | 32.0 | 20.0 | 26.0 | 24.0 | 24.5 | 24.5 | - | - | 74.0 | 0.00 | 3.09 | - | - |

\*Daily total, \*\*Daily Average, \*\*\* Instrument out of order P.T.O.

**WEATHER STATION**

**Department of Agricultural Engineering**

**Records of Climatological Observations (Daily)**

 **Location: BSMRAU Campus Month: March, 2013**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Date | \*\* Air Temp. (oC) | \*\* Soil Temp. (oC), Depth | \*\*Dry/Wet bulb Temp. (oC) at 9am | \*\*Humidity | \*Rainfall | \*Evaporation | Atmospheric pressure | Ground water table |
| Max. | Min. | Ave. | 10 cm. | 20 cm. | 30 cm. | Dry | Wet | (%) | (mm) | (mm) | (inHg) | (m) |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 17 | 33.0 | 21.0 | 27.0 | 24.0 | 24.5 | 24.0 | - | - | 74.0 | 0.00 | 3.45 | - | 21.67 |
| 18 | 33.0 | 20.0 | 26.5 | 24.0 | 24.0 | 24.5 | - | - | 74.0 | 0.00 | 3.80 | - | - |
| 19 | 33.0 | 21.0 | 27.0 | 24.5 | 25.0 | 25.0 | - | - | 72.0 | 0.00 | 4.06 | - | - |
| 20 | 33.5 | 21.0 | 27.25 | 24.5 | 25.0 | 25.0 | - | - | 72.0 | 0.00 | 4.77 | - | - |
| 21 | 34.0 | 23.0 | 28.5 | 24.5 | 25.0 | 25.5 | - | - | 73.0 | 0.00 | 4.42 | - | - |
| 22 | 34.0 | 24.0 | 29.0 | 24.5 | 25.0 | 26.0 | - | - | 73.0 | 0.00 | 4.68 | - | - |
| 23 | 33.0 | 23.0 | 28.0 | 24.5 | 25.0 | 25.5 | - | - | 73.0 | 0.00 | 4.33 | - | - |
| 24 | 33.0 | 22.0 | 27.5 | 24.5 | 25.0 | 25.5 | - | - | 72.0 | 0.00 | 3.45 | - | 21.65 |
| 25 | 33.0 | 25.0 | 29.0 | 24.5 | 25.0 | 25.5 | - | - | 73.0 | 0.00 | 4.42 | - | - |
| 26 | 35.0 | 23.0 | 29.0 | 25.5 | 26.0 | 26.0 | - | - | 76.0 | 0.00 | 4.51 | - | - |
| 27 | 36.0 | 24.0 | 30.0 | 25.5 | 26.0 | 26.5 | - | - | 78.0 | 0.00 | 4.86 | - | - |
| 28 | 36.0 | 21.0 | 28.5 | 25.0 | 26.0 | 26.5 | - | - | 78.0 | 0.00 | 5.13 | - | - |
| 29 | 35.0 | 24.0 | 29.5 | 25.5 | 26.0 | 26.0 | - | - | 78.0 | 0.00 | 4.60 | - | - |
| 30 | 35.0 | 25.0 | 30.0 | 25.5 | 26.5 | 27.0 | - | - | 74.0 | 0.00 | 4.42 | - | - |
| 31 | 35.0 | 20.0 | 27.5 | 25.5 | 26.5 | 27.0 | - | - | 78.0 | 15.90 | 3.11 | - | 22.16 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Total/Av. | 32.79 | 19.98 | 26.38 | 23.95 | 24.11 | 24.22 | - | - | 71.22 | 15.90 | 125.71 | - | 21.73 |

\*Daily total, \*\*Daily Average, \*\*\* Instrument out of order

**WEATHER STATION**

**Department of Agricultural Engineering**

**Records of Climatological Observations (Daily)**

 **Location: BSMRAU Campus** **Month: April, 2013**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Date | \*\* Air Temp. (oC) | \*\* Soil Temp. (oC), Depth | \*\*Dry/Wet bulb Temp. (oC) at 9am | \*\*Humidity | \*Rainfall | \*Evaporation | Atmospheric pressure | Ground water table |
| Max. | Min. | Ave. | 10 cm. | 20 cm. | 30 cm. | Dry | Wet | (%) | (mm) | (mm) | (inHg) | (m) |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 1 | 34.0 | 24.0 | 29.0 | 25.0 | 25.5 | 26.0 | \*\*\* | \*\*\* | 73.0 | 0.00 | 3.45 | - | - |
| 2 | 34.0 | 23.0 | 28.5 | 25.0 | 25.5 | 27.0 | - | - | 74.0 | 0.00 | 3.62 | - | - |
| 3 | 35.0 | 24.5 | 29.75 | 25.5 | 26.0 | 27.0 | - | - | 74.0 | 0.00 | 3.54 | - | - |
| 4 | 37.0 | 24.0 | 30.5 | 27.0 | 27.5 | 28.0 | - | - | 74.0 | 0.00 | 4.51 | - | - |
| 5 | 36.0 | 22.0 | 29.0 | 27.0 | 27.5 | 28.0 | - | - | 74.0 | 00.0 | 4.33 | - | - |
| 6 | 36.0 | 21.0 | 28.5 | 27.0 | 28.0 | 28.5 | - | - | 74.0 | 0.00 | 5.13 | - | - |
| 7 | 36.0 | 20.0 | 28.0 | 27.0 | 28.0 | 28.5 | - | - | 74.0 | 0.00 | 5.57 | - | 23.18 |
| 8 | 36.0 | 25.0 | 30.5 | 28.0 | 28.5 | 29.0 | - | - | 74.0 | 0.00 | 4.33 | - | - |
| 9 | 36.0 | 25.0 | 30.5 | 28.0 | 28.5 | 29.0 | - | - | 74.0 | 0.00 | 5.30 | - | - |
| 10 | 37.0 | 26.0 | 31.5 | 28.0 | 28.5 | 29.0 | - | - | 72.0 | 0.00 | 5.39 | - | - |
| 11 | 36.0 | 26.0 | 31.0 | 28.5 | 29.5 | 29.5 | - | - | 70.0 | 0.00 | 5.30 | - | - |
| 12 | 36.0 | 25.0 | 30.5 | 28.5 | 29.0 | 29.5 | - | - | 73.0 | 0.00 | 4.42 | - | - |
| 13 | 36.0 | 26.0 | 31.0 | 28.5 | 29.0 | 29.5 | - | - | 73.0 | 0.00 | 5.04 | - | - |
| 14 | 36.0 | 26.0 | 31.0 | 28.5 | 29.0 | 30.0 | - | - | 73.0 | 0.00 | 5.30 | - | 23.16 |
| 15 | 33.0 | 24.0 | 28.5 | 28.5 | 29.0 | 29.5 | - | - | 73.0 | 0.00 | 4.51 | - | - |
| 16 | 33.0 | 22.0 | 27.5 | 28.0 | 29.0 | 29.0 | - | - | 73.0 | 0.00 | 4.33 | - | - |

\*Daily total, \*\*Daily Average, \*\*\* Instrument out of order P.T.O.

**WEATHER STATION**

**Department of Agricultural Engineering**

**Records of Climatological Observations (Daily)**

 **Location: BSMRAU Campus Month: April, 2013**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Date | \*\* Air Temp. (oC) | \*\* Soil Temp. (oC), Depth | \*\*Dry/Wet bulb Temp. (oC) at 9am | \*\*Humidity | \*Rainfall | \*Evaporation | Atmospheric pressure | Ground water table |
| Max. | Min. | Ave. | 10 cm. | 20 cm. | 30 cm. | Dry | Wet | (%) | (mm) | (mm) | (inHg) | (m) |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 17 | 30.0 | 19.0 | 24.5 | 28.0 | 28.5 | 28.5 | - | - | 76.0 | 19.48 | 2.63 | - | - |
| 18 | 30.0 | 21.0 | 25.5 | 28.0 | 28.5 | 29.0 | - | - | 84.0 | 0.00 | 4.06 | - | - |
| 19 | 31.0 | 22.0 | 26.5 | 28.0 | 28.5 | 28.5 | - | - | 76.0 | 0.00 | 3.45 | - | - |
| 20 | 33.0 | 20.0 | 26.5 | 28.5 | 29.0 | 29.5 | - | - | 76.0 | 9.09 | 2.89 | - | - |
| 21 | 32.0 | 22.0 | 27.0 | 28.5 | 29.0 | 29.5 | - | - | 76.0 | 0.00 | 4.77 | - | 21.95 |
| 22 | 32.0 | 22.5 | 27.25 | 28.0 | 29.0 | 29.0 | - | - | 75.0 | 5.19 | 2.77 | - | - |
| 23 | 28.0 | 20.0 | 24.0 | 28.0 | 28.5 | 29.0 | - | - | 75.0 | 1.62 | 3.21 | - | - |
| 24 | 32.0 | 21.0 | 26.5 | 28.5 | 29.5 | 30.0 | - | - | 84.0 | 0.00 | 3.53 | 30.03 | - |
| 25 | 34.0 | 23.0 | 28.5 | 28.5 | 29.0 | 29.5 | - | - | 70.0 | 0.00 | 5.48 | 30.00 | - |
| 26 | 34.0 | 24.0 | 29.0 | 28.0 | 28.5 | 29.0 | - | - | 76.0 | 0.00 | 3.53 | 30.00 | - |
| 27 | 35.0 | 25.0 | 30.0 | 28.5 | 29.0 | 30.0 | - | - | 76.0 | 0.00 | 5.30 | 30.05 | - |
| 28 | 32.0 | 21.0 | 26.5 | 28.0 | 28.5 | 29.0 | - | - | 76.0 | 18.01 | 2.97 | 29.88 | 21.88 |
| 29 | 31.0 | 25.0 | 28.0 | 28.5 | 29.0 | 29.0 | 29 | 27 | 84.0 | 0.00 | 3.18 | 29.85 | - |
| 30 | 34.0 | 24.0 | 29.0 | 28.0 | 29.0 | 29.0 | 29 | 27 | 85.0 | 32.30 | 2.90 | 29.88 | - |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Total/Av. | 33.83 | 23.1 | 28.46 | 27.76 | 28.38 | 28.85 | 29 | 27 | 75.36 | 85.69 | 124.74 | 29.96 | 22.54 |

\*Daily total, \*\*Daily Average, \*\*\* Instrument out of order

**WEATHER STATION**

**Department of Agricultural Engineering**

**Records of Climatological Observations (Daily)**

 **Location: BSMRAU Campus** **Month: May, 2013**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Date | \*\* Air Temp. (oC) | \*\* Soil Temp. (oC), Depth | \*\*Dry/Wet bulb Temp. (oC) at 9am | \*\*Humidity | \*Rainfall | \*Evaporation | Atmospheric pressure | Ground water table |
| Max. | Min. | Ave. | 10 cm. | 20 cm. | 30 cm. | Dry | Wet | (%) | (mm) | (mm) | (inHg) | (m) |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 1 | 33.0 | 27.0 | 30.0 | 29.0 | 29.5 | 30.0 | 32 | 29 | 79.0 | 0.00 | 4.15 | 29.80 | - |
| 2 | 34.5 | 28.5 | 31.5 | 29.5 | 30.0 | 29.5 | 32 | 29 | 79.0 | 0.00 | 5.48 | 29.71 | - |
| 3 | 35.0 | 28.0 | 31.5 | 28.5 | 29.5 | 30.0 | 26 | 23 | 84.0 | 0.00 | 6.19 | 29.88 | - |
| 4 | 35.0 | 25.0 | 30.0 | 29.0 | 29.5 | 29.0 | 25 | 23 | 84.0 | 0.00 | 6.01 | 29.85 | - |
| 5 | 29.5 | 20.0 | 24.75 | 28.0 | 29.0 | 29.5 | 25 | 22 | 76.0 | 18.50 | 2.57 | 29.94 | 22.03 |
| 6 | 29.0 | 22.0 | 25.5 | 29.0 | 29.0 | 29.5 | 25 | 23 | 84.0 | 26.62 | 2.73 | 29.88 | - |
| 7 | 26.0 | 21.0 | 23.5 | 28.0 | 28.0 | 29.0 | 25 | 24 | 92.0 | 49.35 | 1.22 | 29.85 | - |
| 8 | 29.0 | 25.0 | 27.0 | 29.0 | 28.5 | 29.5 | 25 | 23 | 84.0 | 2.27 | 1.65 | 29.80 | - |
| 9 | 33.0 | 23.0 | 28.0 | 28.0 | 28.5 | 28.0 | 26 | 24 | 84.0 | 1.62 | 1.88 | 29.83 | - |
| 10 | 33.0 | 23.0 | 28.0 | 28.0 | 28.5 | 28.5 | 27 | 24 | 77.0 | 0.00 | 2.65 | 29.88 | - |
| 11 | 33.0 | 24.0 | 28.5 | 28.0 | 29.0 | 28.5 | 29 | 26 | 78.0 | 0.00 | 3.53 | 29.85 | - |
| 12 | 33.0 | 22.0 | 27.5 | 28.0 | 27.0 | 27.5 | 29 | 26 | 78.0 | 0.00 | 3.62 | 29.85 | 21.56 |
| 13 | 30.0 | 23.0 | 26.5 | 28.0 | 28.5 | 28.0 | 27 | 25 | 84.0 | 4.22 | 2.00 | 29.91 | - |
| 14 | 32.0 | 22.0 | 27.0 | 28.5 | 29.5 | 29.5 | 29 | 26 | 78.0 | 21.10 | 3.40 | 29.83 | - |
| 15 | 33.8 | 24.5 | 29.15 | 29.5 | 30.0 | 29.5 | 29 | 26 | 78.0 | 0.00 | 3.62 | 29.83 | - |
| 16 | 31.0 | 19.0 | 25.0 | 28.0 | 28.5 | 28.0 | 26 | 24 | 84.0 | 7.46 | 3.92 | 29.68 | - |

\*Daily total, \*\*Daily Average, \*\*\* Instrument out of order P.T.O.

**WEATHER STATION**

**Department of Agricultural Engineering**

**Records of Climatological Observations (Daily)**

 **Location: BSMRAU Campus Month: May, 2013**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Date | \*\* Air Temp. (oC) | \*\* Soil Temp. (oC), Depth | \*\*Dry/Wet bulb Temp. (oC) at 9am | \*\*Humidity | \*Rainfall | \*Evaporation | Atmospheric pressure | Ground water table |
| Max. | Min. | Ave. | 10 cm. | 20 cm. | 30 cm. | Dry | Wet | (%) | (mm) | (mm) | (inHg) | (m) |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 17 | 27.0 | 21.0 | 24.0 | 28.0 | 29.0 | 28.5 | 26 | 24 | 84.0 | 24.34 | 3.08 | 29.83 | - |
| 18 | 31.0 | 26.0 | 28.5 | 28.5 | 28.5 | 29.0 | 26 | 24 | 84.0 | 0.00 | 4.42 | 29.85 | - |
| 19 | 33.0 | 26.0 | 29.5 | 28.5 | 29.5 | 29.5 | 29 | 26 | 78.0 | 3.49 | 4.37 | 29.85 | 21.47 |
| 20 | 33.0 | 26.0 | 29.5 | 28.0 | 28.0 | 29.0 | 30 | 28 | 85.0 | 3.89 | 2.12 | 29.83 | - |
| 21 | 28.0 | 24.0 | 26.0 | 28.0 | 28.5 | 29.0 | 28 | 26 | 85.0 | 47.36 | 1.35 | 29.83 | - |
| 22 | 30.0 | 25.0 | 27.5 | 28.0 | 28.5 | 28.5 | 28 | 26 | 85.0 | 3.89 | 3.18 | 29.80 | - |
| 23 | 28.0 | 24.0 | 26.0 | 27.5 | 27.0 | 27.5 | 27 | 25 | 84.0 | 112.01 | O.F. | 29.80 | - |
| 24 | 26.0 | 23.0 | 24.5 | 27.0 | 27.5 | 28.0 | 28 | 26 | 78.0 | 64.73 | O.F. | 29.80 | - |
| 25 | 28.0 | 24.0 | 26.0 | 27.0 | 27.5 | 27.5 | 28 | 26 | 85.0 | 5.84 | 3.89 | 29.80 | - |
| 26 | 31.0 | 26.0 | 28.5 | 27.5 | 28.0 | 28.0 | 29 | 27 | 85.0 | 0.00 | 5.30 | 29.77 | 21.28 |
| 27 | 33.0 | 27.0 | 30.0 | 28.0 | 28.5 | 29.0 | 29 | 27 | 85.0 | 0.00 | 5.48 | 29.80 | - |
| 28 | 35.0 | 26.0 | 30.5 | 28.0 | 28.5 | 28.5 | 30 | 27 | 78.0 | 10.71 | 4.07 | 29.85 | - |
| 29 | 32.0 | 26.0 | 29.0 | 29.0 | 29.5 | 30.0 | 29 | 27 | 85.0 | 0.00 | 3.71 | 29.77 | - |
| 30 | 31.0 | 26.0 | 28.5 | 29.0 | 29.5 | 29.5 | 28 | 26 | 85.0 | 0.00 | 3.53 | 29.71 | - |
| 31 | 30.0 | 24.0 | 27.0 | 29.0 | 29.5 | 29.5 | 28 | 26 | 85.0 | 13.63 | 3.01 | 29.85 | - |
| Total/Av. | 31.15 | 24.22 | 27.69 | 28.29 | 28.70 | 28.85 | 27.74 | 25.41 | 82.38 | 421.03 | 102.13 | 29.82 | 21.58 |

\*Daily total, \*\*Daily Average, \*\*\* Instrument out of order, O.F. = Overflow

**WEATHER STATION**

**Department of Agricultural Engineering**

**Records of Climatological Observations (Daily)**

 **Location: BSMRAU Campus** **Month: June, 2013**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Date | \*\* Air Temp. (oC) | \*\* Soil Temp. (oC), Depth | \*\*Dry/Wet bulb Temp. (oC) at 9am | \*\*Humidity | \*Rainfall | \*Evaporation | Atmospheric pressure | Ground water table |
| Max. | Min. | Ave. | 10 cm. | 20 cm. | 30 cm. | Dry | Wet | (%) | (mm) | (mm) | (inHg) | (m) |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 1 | 30.0 | 23.0 | 26.5 | 29.5 | 29.5 | 30.0 | 29 | 27 | 84.0 | 6.16 | 2.62 | 29.85 | - |
| 2 | 34.0 | 26.0 | 30.0 | 29.5 | 30.0 | 31.0 | 30 | 28 | 85.0 | 0.00 | 5.21 | 29.85 | 21.26 |
| 3 | 34.0 | 27.0 | 30.5 | 29.5 | 30.0 | 30.5 | 32 | 29 | 79.0 | 0.00 | 4.77 | 29.85 | - |
| 4 | 36.0 | 28.0 | 32.0 | 29.5 | 30.0 | 30.5 | 34 | 29 | 74.0 | 0.00 | 4.06 | 29.83 | - |
| 5 | 35.0 | 28.0 | 31.5 | 29.5 | 30.5 | 30.58 | 33 | 30 | 80.0 | 0.00 | 5.39 | 29.80 | - |
| 6 | 33.5 | 28.0 | 30.75 | 29.5 | 31.0 | 31.5 | 32 | 29 | 79.0 | 7.14 | 3.47 | 29.80 | - |
| 7 | 33.0 | 28.0 | 30.5 | 30.0 | 31.0 | 31.0 | 32 | 29 | 79.0 | 0.00 | 3.53 | 29.71 | - |
| 8 | 31.0 | 27.0 | 29.0 | 30.0 | 30.5 | 30.0 | 29 | 26 | 85.0 | 59.09 | O.F. | 29.73 | - |
| 9 | 33.0 | 29.0 | 31.0 | 30.0 | 31.0 | 31.5 | 30 | 28 | 85.0 | 6.81 | 2.20 | 29.71 | 21.24 |
| 10 | 36.0 | 27.0 | 31.5 | 31.0 | 31.5 | 31.5 | 32 | 29 | 79.0 | 0.00 | 5.04 | 29.73 | - |
| 11 | 34.0 | 28.0 | 31.0 | 31.5 | 32.0 | 32.5 | 34 | 29 | 73.0 | 0.00 | 4.51 | 29.71 | - |
| 12 | 36.0 | 28.5 | 32.25 | 32.0 | 31.5 | 32.5 | 33 | 30 | 80.0 | 0.00 | 5.82 | 29.68 | - |
| 13 | 35.5 | 26.0 | 30.75 | 31.5 | 31.5 | 32.0 | 29 | 27 | 85.0 | 6.98 | 5.03 | 29.74 | - |
| 14 | 34.5 | 27.0 | 30.75 | 32.0 | 31.5 | 32.0 | 31 | 28 | 79.0 | 0.00 | 4.15 | 29.74 | - |
| 15 | 34.0 | 27.5 | 30.75 | 32.0 | 31.5 | 31.5 | 31 | 29 | 85.0 | 3.24 | 3.94 | 29.80 | - |
| 16 | 35.0 | 28.0 | 31.5 | 32.0 | 31.5 | 32.0 | 32 | 29 | 79.0 | 0.00 | 5.04 | 29.80 | 21.37 |

\*Daily total, \*\*Daily Average, \*\*\* Instrument out of order, O.F. = Overflow P.T.O.

**WEATHER STATION**

**Department of Agricultural Engineering**

**Records of Climatological Observations (Daily)**

 **Location: BSMRAU Campus Month: June, 2013**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Date | \*\* Air Temp. (oC) | \*\* Soil Temp. (oC), Depth | \*\*Dry/Wet bulb Temp. (oC) at 9am | \*\*Humidity | \*Rainfall | \*Evaporation | Atmospheric pressure | Ground water table |
| Max. | Min. | Ave. | 10 cm. | 20 cm. | 30 cm. | Dry | Wet | (%) | (mm) | (mm) | (inHg) | (m) |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 17 | 35.0 | 29.5 | 32.25 | 32.0 | 31.5 | 32.0 | 31 | 28.5 | 79.0 | 0.00 | 4.86 | 29.77 | - |
| 18 | 36.0 | 29.5 | 32.75 | 32.0 | 31.5 | 31.5 | 32 | 29 | 79.0 | 0.00 | 4.84 | 29.77 | - |
| 19 | 36.0 | 30.0 | 33.0 | 32.5 | 31.5 | 31.5 | 31 | 29 | 85.0 | 0.00 | 4.93 | 29.68 | - |
| 20 | 31.0 | 26.0 | 28.5 | 32.0 | 31.0 | 31.5 | 30.5 | 28.5 | 78.0 | 38.63 | 3.24 | 29.68 | - |
| 21 | 33.0 | 28.5 | 30.75 | 32.0 | 31.0 | 31.5 | 30.5 | 28.5 | 78.0 | 0.00 | 4.14 | 29.66 | - |
| 22 | 33.5 | 26.5 | 30.0 | 32.0 | 31.5 | 31.5 | 29.5 | 29 | 79.0 | 38.96 | 4.29 | 29.66 | - |
| 23 | 35.0 | 28.0 | 31.5 | 32.0 | 31.5 | 32.0 | 31.5 | 28 | 79.0 | 0.00 | 6.01 | 29.62 | 21.42 |
| 24 | 35.0 | 27.0 | 31.0 | 32.0 | 31.0 | 31.5 | 30 | 28 | 85.0 | 2.92 | 4.51 | 29.68 | - |
| 25 | 33.0 | 28.0 | 30.5 | 31.5 | 30.0 | 30.5 | 30 | 28 | 85.0 | 6.81 | 1.94 | 29.77 | - |
| 26 | 30.0 | 26.0 | 28.0 | 32.0 | 31.0 | 31.5 | 30 | 28 | 85.0 | 47.07 | 1.59 | 29.77 | - |
| 27 | 32.0 | 27.0 | 29.5 | 32.0 | 31.5 | 31.0 | 29 | 28 | 92.0 | 18.83 | 1.13 | 29.77 | - |
| 28 | 32.0 | 27.0 | 29.5 | 32.0 | 31.0 | 31.0 | 30 | 28 | 85.0 | 6.81 | 2.29 | 29.68 | - |
| 29 | 30.0 | 26.0 | 28.0 | 31.0 | 30.5 | 30.0 | 28 | 27 | 92.0 | 79.54 | O.F | 29.68 | - |
| 30 | 30.0 | 26.5 | 28.25 | 30.5 | 30.0 | 29.5 | 27 | 26 | 92.0 | 11.36 | 0.74 | 29.68 | 21.47 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Total/Av. | 33.53 | 27.38 | 30.45 | 31.15 | 30.96 | 31.23 | 30.76 | 28.31 | 82.1 | 340.35 | 109.29 | 29.74 | 21.35 |

\*Daily total, \*\*Daily Average, \*\*\* Instrument out of order, O.F. = Overflow

**WEATHER STATION**

**Department of Agricultural Engineering**

**Records of Climatological Observations (Daily)**

 **Location: BSMRAU Campus** **Month: July, 2013**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Date | \*\* Air Temp. (oC) | \*\* Soil Temp. (oC), Depth | \*\*Dry/Wet bulb Temp. (oC) at 9am | \*\*Humidity | \*Rainfall | \*Evaporation | Atmospheric pressure | Ground water table |
| Max. | Min. | Ave. | 10 cm. | 20 cm. | 30 cm. | Dry | Wet | (%) | (mm) | (mm) | (inHg) | (m) |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 1 | 31.0 | 26.0 | 28.5 | 31.5 | 31.0 | 31.0 | 28 | 27 | 92.0 | 1.94 | 1.76 | 29.68 | - |
| 2 | 32.0 | 27.0 | 29.5 | 31.5 | 31.0 | 31.5 | 30 | 28 | 85.0 | 0.00 | 4.14 | 29.68 | - |
| 3 | 33.0 | 27.0 | 30.0 | 32.0 | 31.5 | 31.0 | 29 | 28 | 92.0 | 11.52 | 2.67 | 29.68 | - |
| 4 | 34.0 | 27.0 | 30.5 | 31.5 | 31.5 | 31.0 | 30 | 29 | 92.0 | 10.06 | 2.54 | 29.74 | - |
| 5 | 33.0 | 27.0 | 30.0 | 32.5 | 31.5 | 31.0 | 31 | 28 | 78.0 | 3.24 | 4.12 | 29.68 | - |
| 6 | 32.5 | 27.0 | 29.75 | 32.5 | 32.0 | 31.5 | 31 | 27 | 78.0 | 0.00 | 2.30 | 29.77 | - |
| 7 | 33.0 | 27.0 | 30.0 | 32.5 | 31.5 | 31.0 | 31 | 28 | 78.0 | 0.00 | 4.42 | 29.68 | 21.58 |
| 8 | 33.0 | 28.0 | 30.5 | 32.5 | 32.0 | 31.5 | 32 | 28 | 79.0 | 11.36 | 3.29 | 29.78 | - |
| 9 | 35.0 | 28.0 | 31.5 | 33.0 | 32.0 | 32.5 | 31 | 28 | 79.0 | 0.00 | 6.43 | 29.74 | - |
| 10 | 34.0 | 27.5 | 30.75 | 32.5 | 32.0 | 31.5 | 30 | 28 | 85.0 | 1.94 | 4.64 | 29.68 | - |
| 11 | 33.0 | 27.0 | 30.0 | 32.5 | 30.5 | 30.0 | 30 | 27 | 78.0 | 1.46 | 3.89 | 29.28 | - |
| 12 | 33.0 | 27.5 | 30.25 | 32.5 | 30.0 | 30.5 | 30 | 27 | 78.0 | 0.00 | 3.25 | 29.71 | - |
| 13 | 31.0 | 26.0 | 28.5 | 32.5 | 30.0 | 30.5 | 28 | 26 | 79.0 | 1.62 | 4.27 | 29.68 | - |
| 14 | 31.0 | 26.5 | 28.75 | 32.5 | 30.0 | 30.0 | 29.5 | 27.5 | 85.0 | 5.68 | 3.91 | 29.71 | 21.56 |
| 15 | 32.0 | 27.0 | 29.5 | 32.5 | 31.0 | 30.5 | 27 | 27 | 85.0 | 0.00 | 4.42 | 29.74 | - |
| 16 | 32.0 | 27.5 | 29.75 | 32.5 | 31.0 | 31.0 | 29 | 27.5 | 85.0 | 0.00 | 5.70 | 29.74 | - |

\*Daily total, \*\*Daily Average, \*\*\* Instrument out of order, O.F. = Overflow P.T.O.

**WEATHER STATION**

**Department of Agricultural Engineering**

**Records of Climatological Observations (Daily)**

 **Location: BSMRAU Campus Month: July, 2013**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Date | \*\* Air Temp. (oC) | \*\* Soil Temp. (oC), Depth | \*\*Dry/Wet bulb Temp. (oC) at 9am | \*\*Humidity | \*Rainfall | \*Evaporation | Atmospheric pressure | Ground water table |
| Max. | Min. | Ave. | 10 cm. | 20 cm. | 30 cm. | Dry | Wet | (%) | (mm) | (mm) | (inHg) | (m) |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 17 | 34.0 | 26.5 | 30.25 | 32.5 | 31.5 | 31.0 | 30 | 28 | 85.0 | 5.84 | 4.95 | 29.74 | - |
| 18 | 32.0 | 27.0 | 29.5 | 32.5 | 31.0 | 30.5 | 28 | 27 | 92.0 | 15.09 | 4.65 | 29.68 | - |
| 19 | 33.0 | 27.0 | 30.0 | 32.5 | 31.0 | 31.0 | 28.5 | 27.5 | 85.0 | 0.00 | 3.08 | 28.73 | - |
| 20 | 33.0 | 26.0 | 29.5 | 32.5 | 31.0 | 31.0 | 28 | 27 | 85.0 | 8.11 | 3.42 | 29.67 | - |
| 21 | 33.5 | 27.5 | 30.5 | 32.5 | 31.0 | 31.0 | 29.5 | 27.5 | 85.0 | 0.00 | 4.49 | 29.68 | 21.51 |
| 22 | 33.0 | 27.5 | 30.25 | 32.5 | 31.0 | 31.0 | 31 | 27.5 | 78.0 | 0.00 | 5.10 | 29.68 | - |
| 23 | 34.0 | 27.0 | 30.5 | 32.5 | 31.0 | 31.0 | 30 | 28 | 85.0 | 0.00 | 3.53 | 29.71 | - |
| 24 | 33.0 | 30.0 | 31.5 | 32.5 | 31.0 | 31.0 | 30 | 27.5 | 78.0 | 1.94 | 5.47 | 29.71 | - |
| 25 | 33.0 | 27.0 | 30.0 | 32.0 | 31.0 | 31.5 | 31 | 27.5 | 76.0 | 0.00 | 5.30 | 29.71 | - |
| 26 | 33.0 | 27.5 | 30.25 | 32.5 | 31.0 | 31.0 | 31 | 27 | 78.0 | 0.00 | 5.13 | 29.71 | - |
| 27 | 31.0 | 26.0 | 28.5 | 32.0 | 30.5 | 31.0 | 28 | 27 | 92.0 | 32.46 | 2.38 | 29.77 | - |
| 28 | 28.0 | 24.0 | 26.0 | 32.0 | 30.0 | 30.5 | 26 | 25 | 92.0 | 49.35 | 1.31 | 29.77 | 21.56 |
| 29 | 32.0 | 26.0 | 29.0 | 32.5 | 30.5 | 31.0 | 27 | 27 | 78.0 | 0.00 | 2.75 | 29.66 | - |
| 30 | 32.5 | 26.5 | 29.5 | 32.5 | 30.5 | 31.0 | 30 | 27 | 78.0 | 0.00 | 2.92 | 29.60 | - |
| 31 | 33.0 | 27.0 | 30.0 | 32.5 | 30.0 | 30.0 | 28 | 27 | 92.0 | 2.11 | 4.76 | 29.68 | - |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Total/Av. | 32.59 | 26.95 | 29.77 | 32.35 | 30.98 | 30.95 | 29.43 | 27.37 | 83.45 | 163.72 | 120.99 | 29.66 | 21.55 |

\*Daily total, \*\*Daily Average, \*\*\* Instrument out of order, O.F. = Overflow

**WEATHER STATION**

**Department of Agricultural Engineering**

**Records of Climatological Observations (Daily)**

 **Location: BSMRAU Campus** **Month: August, 2013**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Date | \*\* Air Temp. (oC) | \*\* Soil Temp. (oC), Depth | \*\*Dry/Wet bulb Temp. (oC) at 9am | \*\*Humidity | \*Rainfall | \*Evaporation | Atmospheric pressure | Ground water table |
| Max. | Min. | Ave. | 10 cm. | 20 cm. | 30 cm. | Dry | Wet | (%) | (mm) | (mm) | (inHg) | (m) |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 1 | 31.5 | 26.5 | 29.0 | 32.5 | 30.5 | 31.0 | 29 | 27 | 85.0 | 4.87 | 2.21 | 29.67 | - |
| 2 | 32.0 | 26.0 | 29.0 | 32.5 | 20.5 | 31.0 | 29 | 27 | 85.0 | 0.00 | 2.83 | 29.68 | - |
| 3 | 31.0 | 26.0 | 28.5 | 32.0 | 31.0 | 31.5 | 29 | 27 | 85.0 | 3.89 | 1.85 | 29.68 | - |
| 4 | 31.5 | 26.0 | 28.75 | 32.0 | 31.0 | 30.0 | 28 | 26 | 85.0 | 0.00 | 3.27 | 29.67 | - |
| 5 | 32.0 | 26.5 | 29.25 | 32.0 | 30.5 | 30.0 | 28 | 26 | 85.0 | 0.00 | 3.06 | 29.61 | - |
| 6 | 32.0 | 26.0 | 29.0 | 32.0 | 30.0 | 29.5 | 29 | 27 | 85.0 | 7.14 | 4.30 | 29.62 | - |
| 7 | 29.0 | 26.0 | 27.5 | 32.0 | 29.5 | 29.5 | 29 | 27 | 85.0 | 17.85 | 4.16 | 29.62 | - |
| 8 | 31.0 | 26.0 | 28.5 | 32.5 | 29.5 | 29.5 | 29 | 27 | 85.0 | 3.24 | 2.35 | 29.62 | - |
| 9 | 32.0 | 26.0 | 29.0 | 32.5 | 30.0 | 29.5 | 30 | 28 | 85.0 | 0.32 | 3.85 | 29.62 | - |
| 10 | 31.0 | 26.0 | 28.5 | 32.0 | 30.0 | 29.5 | 28 | 26 | 85.0 | 0.00 | 1.39 | 29.67 | - |
| 11 | 30.0 | 25.0 | 27.5 | 32.0 | 30.0 | 29.5 | 27 | 26 | 85.0 | 15.58 | 4.07 | 29.66 | - |
| 12 | 31.0 | 26.0 | 28.5 | 32.0 | 29.5 | 29.5 | 29 | 27 | 85.0 | 0.00 | 1.76 | 29.63 | - |
| 13 | 31.0 | 26.0 | 28.5 | 32.0 | 29.5 | 29.5 | 28 | 27 | 92.0 | 1.62 | 2.59 | 29.63 | - |
| 14 | 32.0 | 26.5 | 29.25 | 32.0 | 30.0 | 29.5 | 29 | 27 | 85.0 | 0.00 | 2.72 | 29.63 | - |
| 15 | 32.0 | 26.5 | 29.25 | 32.0 | 31.0 | 31.0 | 29 | 27 | 83.0 | 0.00 | 3.71 | 29.71 | - |
| 16 | 31.5 | 26.0 | 28.75 | 31.5 | 30.0 | 30.0 | 28 | 27 | 92.0 | 12.66 | 1.49 | 29.67 | - |

\*Daily total, \*\*Daily Average, \*\*\* Instrument out of order, O.F. = Overflow P.T.O.

**WEATHER STATION**

**Department of Agricultural Engineering**

**Records of Climatological Observations (Daily)**

 **Location: BSMRAU Campus Month: August, 2013**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Date | \*\* Air Temp. (oC) | \*\* Soil Temp. (oC), Depth | \*\*Dry/Wet bulb Temp. (oC) at 9am | \*\*Humidity | \*Rainfall | \*Evaporation | Atmospheric pressure | Ground water table |
| Max. | Min. | Ave. | 10 cm. | 20 cm. | 30 cm. | Dry | Wet | (%) | (mm) | (mm) | (inHg) | (m) |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 17 | 32.0 | 26.0 | 29.0 | 32.0 | 31.0 | 31.5 | 28 | 27 | 92.0 | 13.96 | 3.34 | 29.67 |  |
| 18 | 32.0 | 27.0 | 29.5 | 32.0 | 31.0 | 31.5 | 28 | 26 | 78.0 | 0.00 | 3.62 | 29.69 | - |
| 19 | 32.0 | 27.5 | 29.75 | 32.5 | 29.5 | 29.5 | 30 | 27 | 85.0 | 0.00 | 5.19 | 29.71 | - |
| 20 | 30.5 | 26.0 | 28.25 | 32.5 | 29.5 | 29.5 | 29 | 27 | 85.0 | 0.64 | 2.65 | 29.71 | - |
| 21 | 30.5 | 26.0 | 28.25 | 32.5 | 29.5 | 30.0 | 29 | 26 | 92.0 | 18.66 | 1.50 | 29.61 | - |
| 22 | 31.0 | 26.5 | 28.75 | 32.5 | 30.0 | 29.5 | 27 | 26 | 85.0 | 1.78 | 2.22 | 29.62 | - |
| 23 | 32.0 | 26.5 | 29.25 | 32.0 | 29.5 | 29.5 | 29 | 27 | 79.0 | 0.00 | 4.51 | 29.61 | - |
| 24 | 33.0 | 27.5 | 30.25 | 32.0 | 29.5 | 29.5 | 30 | 28 | 79.0 | 0.00 | 5.30 | 29.63 | - |
| 25 | 33.0 | 28.5 | 30.75 | 32.5 | 30.0 | 30.5 | 32 | 28 | 79.0 | 0.00 | 4.86 | 29.63 | 21.40 |
| 26 | 33.0 | 28.0 | 30.5 | 32.5 | 30.5 | 30.0 | 31 | 29 | 86.0 | 0.97 | 2.29 | 29.62 | - |
| 27 | 32.5 | 26.5 | 29.5 | 32.5 | 30.5 | 30.0 | 29 | 27 | 85.0 | 49.02 | 2.11 | 29.67 | - |
| 28 | 32.0 | 27.0 | 29.5 | 32.5 | 30.5 | 30.0 | 29 | 27 | 85.0 | 8.11 | 2.80 | 29.63 | - |
| 29 | 32.0 | 26.5 | 29.25 | 32.0 | 30.0 | 30.0 | 29 | 27 | 85.0 | 9.41 | 3.21 | 29.63 | - |
| 30 | 32.0 | 26.0 | 29.0 | 32.0 | 30.5 | 30.0 | 27 | 26 | 92.0 | 8.44 | 3.30 | 29.65 | - |
| 31 | 33.0 | 27.0 | 30.0 | 32.0 | 30.5 | 30.0 | 30 | 28 | 85.0 | 0.00 | 5.13 | 29.63 | - |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Total/Av. | 31.64 | 26.43 | 29.04 | 32.17 | 29.82 | 30.03 | 28.87 | 26.93 | 85.29 | 178.16 | 97.64 | 29.64 | 21.40 |

\*Daily total, \*\*Daily Average, \*\*\* Instrument out of order, O.F. = Overflow

**WEATHER STATION**

**Department of Agricultural Engineering**

**Records of Climatological Observations (Daily)**

 **Location: BSMRAU Campus** **Month: September, 2013**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Date | \*\* Air Temp. (oC) | \*\* Soil Temp. (oC), Depth | \*\*Dry/Wet bulb Temp. (oC) at 9am | \*\*Humidity | \*Rainfall | \*Evaporation | Atmospheric pressure | Ground water table |
| Max. | Min. | Ave. | 10 cm. | 20 cm. | 30 cm. | Dry | Wet | (%) | (mm) | (mm) | (inHg) | (m) |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 1 | 27.0 | 25.0 | 26.0 | 32.0 | 30.0 | 29.5 | 29 | 28 | 92.0 | 6.81 | 3.27 | 29.67 | 21.47 |
| 2 | 32.0 | 27.0 | 29.5 | 32.5 | 30.0 | 29.5 | 30 | 28 | 85.0 | 7.14 | 3.24 | 29.66 | - |
| 3 | 32.0 | 27.0 | 29.5 | 32.5 | 30.0 | 30.0 | 31 | 28 | 79.0 | 0.00 | 3.53 | 29.66 | - |
| 4 | 31.5 | 27.0 | 29.25 | 32.5 | 30.0 | 30.0 | 30 | 28 | 85.0 | 9.41 | 3.04 | 29.63 | - |
| 5 | 33.0 | 26.0 | 29.5 | 32.0 | 30.0 | 30.0 | 28 | 27 | 92.0 | 35.38 | 4.41 | 29.62 | - |
| 6 | 32.0 | 26.0 | 29.0 | 32.5 | 30.0 | 30.0 | 28 | 27 | 92.0 | 0.00 | 2.65 | 29.88 | - |
| 7 | 32.0 | 26.0 | 29.0 | 32.0 | 30.0 | 29.5 | 30 | 28 | 85.0 | 0.00 | 2.91 | 29.88 | - |
| 8 | 32.0 | 26.0 | 29.0 | 32.5 | 30.0 | 29.5 | 27 | 26 | 92.0 | 0.00 | 3.16 | 29.87 | 21.32 |
| 9 | 30.0 | 26.0 | 28.0 | 32.0 | 30.0 | 29.5 | 29 | 28 | 92.0 | 2.59 | 1.20 | 29.68 | - |
| 10 | 31.0 | 25.0 | 28.0 | 32.0 | 29.5 | 29.5 | 26 | 26 | 92.0 | 32.49 | 0.94 | 29.69 | - |
| 11 | 31.0 | 26.0 | 28.5 | 32.0 | 29.5 | 29.5 | 30 | 28 | 85.0 | 0.00 | 2.74 | 29.91 | - |
| 12 | 31.5 | 27.0 | 29.25 | 32.5 | 30.0 | 29.5 | 30 | 28 | 85.0 | 3.89 | 1.14 | 29.93 | - |
| 13 | 32.0 | 27.0 | 29.5 | 32.5 | 30.0 | 29.5 | 30 | 29 | 92.0 | 0.00 | 3.98 | 29.87 | - |
| 14 | 34.0 | 27.0 | 30.5 | 32.5 | 30.0 | 29.5 | 27 | 26 | 92.0 | 9.74 | 7.08 | 29.84 | - |
| 15 | 32.3 | 26.0 | 29.15 | 32.5 | 30.5 | 29.5 | 29 | 27 | 85.0 | 0.00 | 3.25 | 29.81 | 21.28 |
| 16 | 33.0 | 26.0 | 29.5 | 32.5 | 30.5 | 30.5 | 30 | 28 | 85.0 | 0.00 | 5.60 | 29.68 |  |

\*Daily total, \*\*Daily Average, \*\*\* Instrument out of order, O.F. = Overflow P.T.O.

**WEATHER STATION**

**Department of Agricultural Engineering**

**Records of Climatological Observations (Daily)**

 **Location: BSMRAU Campus**  **Month: September, 2013**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Date | \*\* Air Temp. (oC) | \*\* Soil Temp. (oC), Depth | \*\*Dry/Wet bulb Temp. (oC) at 9am | \*\*Humidity | \*Rainfall | \*Evaporation | Atmospheric pressure | Ground water table |
| Max. | Min. | Ave. | 10 cm. | 20 cm. | 30 cm. | Dry | Wet | (%) | (mm) | (mm) | (inHg) | (m) |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 17 | 32.5 | 27.0 | 29.75 | 32.5 | 30.5 | 30.5 | 29 | 27 | 85.0 | 0.00 | 3.98 | 29.68 | - |
| 18 | 33.0 | 26.0 | 29.5 | 32.0 | 30.5 | 30.5 | 28 | 27 | 92.0 | 9.41 | 2.50 | 29.67 | - |
| 19 | 34.0 | 27.0 | 30.5 | 32.5 | 30.5 | 30.3 | 30 | 27 | 78.0 | 7.62 | 4.70 | 29.73 | - |
| 20 | 32.0 | 27.0 | 29.5 | 32.5 | 31.5 | 31.0 | 30 | 28 | 85.0 | 0.00 | 4.42 | 29.83 | - |
| 21 | 34.0 | 27.0 | 30.5 | 32.0 | 31.5 | 31.0 | 30 | 27 | 79.0 | 0.00 | 4.42 | 29.80 | - |
| 22 | 33.5 | 27.5 | 30.5 | 32.5 | 31.5 | 31.0 | 31 | 28 | 76.0 | 0.00 | 5.21 | 29.81 | 21.35 |
| 23 | 32.0 | 27.0 | 29.5 | 32.5 | 31.5 | 31.0 | 31 | 28 | 79.0 | 0.00 | 3.58 | 29.82 | - |
| 24 | 33.0 | 28.0 | 30.5 | 32.0 | 31.5 | 31.0 | 31 | 29 | 86.0 | 0.00 | 3.62 | 29.94 | - |
| 25 | 32.0 | 26.0 | 29.0 | 32.0 | 31.5 | 31.0 | 28 | 27 | 92.0 | 0.00 | 3.71 | 29.94 | - |
| 26 | 31.5 | 25.0 | 28.25 | 32.0 | 31.5 | 31.0 | 30 | 28 | 85.0 | 5.84 | 1.41 | 29.83 | - |
| 27 | 32.0 | 27.0 | 29.5 | 32.5 | 30.0 | 29.5 | 30 | 28 | 85.0 | 0.00 | 3.53 | 29.83 | - |
| 28 | 32.0 | 26.0 | 29.0 | 32.5 | 30.0 | 29.5 | 28 | 27 | 92.0 | 8.11 | 1.91 | 29.85 | - |
| 29 | 32.0 | 26.0 | 29.0 | 32.5 | 30.0 | 29.5 | 29 | 27 | 85.0 | 1.62 | 0.61 | 29.83 | 21.35 |
| 30 | 29.0 | 26.0 | 27.5 | 32.5 | 29.5 | 29.0 | 26 | 25 | 92.0 | 11.03 | 1.74 | 29.85 | - |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Total/Av. | 31.96 | 26.41 | 29.18 | 32.31 | 30.38 | 30.02 | 29.16 | 27.43 | 86.7 | 151.08 | 97.48 | 29.78 | 21.35 |

\*Daily total, \*\*Daily Average, \*\*\* Instrument out of order, O.F. = Overflow

**WEATHER STATION**

**Department of Agricultural Engineering**

**Records of Climatological Observations (Daily)**

 **Location: BSMRAU Campus** **Month: October, 2013**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Date | \*\* Air Temp. (oC) | \*\* Soil Temp. (oC), Depth | \*\*Dry/Wet bulb Temp. (oC) at 9am | \*\*Humidity | \*Rainfall | \*Evaporation | Atmospheric pressure | Ground water table |
| Max. | Min. | Ave. | 10 cm. | 20 cm. | 30 cm. | Dry | Wet | (%) | (mm) | (mm) | (inHg) | (m) |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 1 | 29.0 | 25.0 | 27.0 | 32.0 | 29.5 | 29.0 | 28.5 | 26.5 | 85.0 | 0.00 | 2.12 | 29.91 | - |
| 2 | 31.0 | 26.0 | 28.5 | 32.5 | 29.5 | 29.0 | 31.5 | 26.5 | 73.0 | 0.00 | 3.49 | 29.88 | - |
| 3 | 35.0 | 26.0 | 30.5 | 32.7 | 30.5 | 30.0 | 29 | 27 | 85.0 | 0.00 | 5.69 | 29.91 | - |
| 4 | 32.0 | 25.0 | 28.5 | 32.0 | 29.5 | 29.0 | 26 | 25 | 92.0 | 15.25 | 2.86 | 29.91 | - |
| 5 | 28.0 | 25.0 | 26.5 | 32.0 | 29.5 | 29.0 | 27 | 26 | 92.0 | 12.33 | 2.59 | 29.90 | - |
| 6 | 30.0 | 25.0 | 27.5 | 32.0 | 29.5 | 29.0 | 26 | 25 | 92.0 | 12.98 | 2.36 | 29.91 | 21.41 |
| 7 | 27.0 | 24.0 | 25.5 | 32.0 | 29.0 | 29.0 | 26 | 25 | 92.0 | 81.81 | O.F. | 29.91 | - |
| 8 | 30.0 | 25.0 | 27.5 | 32.0 | 29.0 | 29.0 | 29 | 26 | 78.0 | 0.00 | 1.76 | 29.83 | - |
| 9 | 32.0 | 25.0 | 28.5 | 32.0 | 29.5 | 29.0 | 30 | 26 | 68.0 | 0.00 | 4.42 | 29.68 | - |
| 10 | 32.0 | 25.0 | 28.5 | 32.5 | 29.3 | 29.0 | 29 | 26 | 78.0 | 0.00 | 3.53 | 29.71 | - |
| 11 | 33.0 | 27.0 | 30.0 | 32.5 | 29.0 | 28.5 | 30 | 27 | 77.0 | 0.00 | 3.98 | 29.69 | - |
| 12 | 34.0 | 25.0 | 29.5 | 32.5 | 29.0 | 28.5 | 30 | 26 | 68.0 | 0.00 | 3.53 | 29.68 | - |
| 13 | 34.0 | 29.0 | 31.5 | 32.5 | 29.5 | 29.0 | 29 | 26 | 77.0 | 0.00 | 3.14 | 29.68 | 21.32 |
| 14 | 32.0 | 26.0 | 29.0 | 32.5 | 29.5 | 29.0 | 29 | 27 | 85.0 | 0.00 | 3.36 | 29.71 | - |
| 15 | 31.0 | 27.0 | 29.0 | 32.0 | 29.0 | 28.5 | 29 | 28 | 92.0 | 0.00 | 3.65 | 29.81 | - |
| 16 | 31.0 | 25.0 | 28.0 | 32.5 | 29.5 | 29.0 | 30 | 28 | 86.0 | 49.35 | O.F. | 29.63 | - |

\*Daily total, \*\*Daily Average, \*\*\* Instrument out of order, O.F. = Overflow P.T.O.

**WEATHER STATION**

**Department of Agricultural Engineering**

**Records of Climatological Observations (Daily)**

 **Location: BSMRAU Campus Month: October, 2013**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Date | \*\* Air Temp. (oC) | \*\* Soil Temp. (oC), Depth | \*\*Dry/Wet bulb Temp. (oC) at 9am | \*\*Humidity | \*Rainfall | \*Evaporation | Atmospheric pressure | Ground water table |
| Max. | Min. | Ave. | 10 cm. | 20 cm. | 30 cm. | Dry | Wet | (%) | (mm) | (mm) | (inHg) | (m) |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 17 | 31.0 | 25.0 | 28.0 | 32.0 | 29.0 | 29.0 | 28 | 27 | 92.0 | 16.55 | 2.74 | 29.81 | - |
| 18 | 32.0 | 26.0 | 29.0 | 32.0 | 28.5 | 28.5 | 30 | 27 | 92.0 | 0.00 | 3.09 | 29.81 | - |
| 19 | 33.0 | 25.0 | 29.0 | 31.5 | 28.5 | 28.0 | 29 | 25 | 77.0 | 0.00 | 3.53 | 29.81 | - |
| 20 | 32.0 | 26.0 | 29.0 | 31.5 | 28.5 | 28.0 | 29 | 26 | 92.0 | 0.00 | 3.36 | 29.81 | 21.06 |
| 21 | 31.0 | 24.0 | 27.5 | 31.5 | 28.5 | 27.5 | 27 | 25 | 85.0 | 1.94 | 2.47 | 29.83 | - |
| 22 | 31.0 | 23.0 | 27.0 | 31.0 | 28.0 | 27.0 | 26 | 25 | 92.0 | 11.03 | 2.89 | 29.83 | - |
| 23 | 28.0 | 23.0 | 25.5 | 31.5 | 28.0 | 28.0 | 27 | 25 | 84.0 | 11.36 | 1.90 | 30.03 | - |
| 24 | 27.5 | 22.0 | 24.75 | 31.0 | 28.0 | 28.0 | 28.5 | 25.5 | 77.0 | 0.81 | 2.39 | 30.09 | - |
| 25 | 31.0 | 23.0 | 27.0 | 31.5 | 28.0 | 27.0 | 24 | 23 | 92.0 | 0.00 | 2.67 | 29.86 | - |
| 26 | 31.0 | 23.0 | 27.0 | 31.5 | 28.0 | 27.5 | 26 | 25 | 92.0 | 5.19 | 0.94 | 29.68 | - |
| 27 | 25.0 | 21.5 | 23.25 | 32.0 | 29.0 | 28.5 | 26 | 24 | 77.0 | 1.07 | 0.79 | 29.97 | 20.90 |
| 28 | 30.0 | 24.0 | 27.0 | 31.5 | 28.5 | 28.0 | 25 | 24 | 92.0 | 0.00 | 2.91 | 29.97 | - |
| 29 | 30.0 | 21.0 | 25.5 | 31.0 | 28.0 | 27.5 | 28 | 25 | 77.0 | 0.00 | 1.68 | 30.03 | - |
| 30 | 30.0 | 21.0 | 25.5 | 31.0 | 28.0 | 27.5 | 25 | 24.5 | 92.0 | 0.00 | 2.03 | 30.12 | - |
| 31 | 31.0 | 29.0 | 30.0 | 31.0 | 28.0 | 27.5 | 26 | 24 | 84.0 | 0.00 | 2.65 | 30.12 | - |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Total/Av. | 30.79 | 24.72 | 27.75 | 31.86 | 28.86 | 28.41 | 27.85 | 25.67 | 84.41 | 219.67 | 82.52 | 29.85 | 21.17 |

\*Daily total, \*\*Daily Average, \*\*\* Instrument out of order, O.F. = Overflow

**WEATHER STATION**

**Department of Agricultural Engineering**

**Records of Climatological Observations (Daily)**

 **Location: BSMRAU Campus** **Month: November, 2013**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Date | \*\* Air Temp. (oC) | \*\* Soil Temp. (oC), Depth | \*\*Dry/Wet bulb Temp. (oC) at 9am | \*\*Humidity | \*Rainfall | \*Evaporation | Atmospheric pressure | Ground water table |
| Max. | Min. | Ave. | 10 cm. | 20 cm. | 30 cm. | Dry | Wet | (%) | (mm) | (mm) | (inHg) | (m) |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 1 | 28.0 | 20.0 | 24.0 | 30.0 | 27.0 | 26.0 | 23 | 22 | 92.0 | 0.00 | 2.38 | 30.12 | - |
| 2 | 29.0 | 20.0 | 24.5 | 30.0 | 27.0 | 26.0 | 24 | 23 | 92.0 | 0.00 | 2.03 | 30.09 | - |
| 3 | 30.0 | 21.0 | 25.5 | 30.0 | 27.5 | 26.5 | 26 | 24 | 84.0 | 0.00 | 1.39 | 30.09 | 21.10 |
| 4 | 28.0 | 21.0 | 24.5 | 30.0 | 27.5 | 27.0 | 25 | 24 | 92.0 | 0.00 | 1.76 | 30.08 | - |
| 5 | 28.0 | 20.5 | 24.25 | 29.5 | 26.0 | 25.0 | 25 | 24 | 92.0 | 0.00 | 1.67 | 30.12 | - |
| 6 | 29.0 | 18.0 | 23.5 | 29.0 | 26.0 | 25.0 | 24 | 22 | 84.0 | 0.00 | 2.65 | 30.14 | - |
| 7 | 30.0 | 17.0 | 23.5 | 30.0 | 26.5 | 26.0 | 26 | 23 | 76.0 | 0.00 | 2.21 | 30.12 | - |
| 8 | 30.5 | 17.0 | 23.75 | 30.5 | 27.5 | 26.0 | 26 | 24 | 84.0 | 0.00 | 2.47 | 30.08 | - |
| 9 | 30.8 | 16.5 | 23.65 | 30.0 | 27.5 | 26.0 | 26 | 24 | 84.0 | 0.00 | 2.91 | 30.06 | - |
| 10 | 30.8 | 16.0 | 23.4 | 30.0 | 27.0 | 26.5 | 26 | 24 | 84.0 | 0.00 | 2.65 | 30.06 | 21.21 |
| 11 | 31.0 | 17.0 | 24.0 | 30.0 | 25.0 | 24.5 | 24 | 21 | 75.0 | 0.00 | 2.74 | 30.12 | - |
| 12 | 30.0 | 15.6 | 22.8 | 30.0 | 26.5 | 26.0 | 24 | 20 | 73.0 | 0.00 | 3.00 | 30.03 | - |
| 13 | 28.8 | 14.0 | 21.4 | 29.5 | 26.0 | 25.0 | 23 | 20 | 73.0 | 0.00 | 2.65 | 30.08 | - |
| 14 | 29.0 | 14.0 | 21.5 | 29.5 | 25.0 | 25.0 | 23 | 20 | 75.0 | 0.00 | 3.00 | 30.08 | - |
| 15 | 28.8 | 14.0 | 21.4 | 26.0 | 25.0 | 24.0 | 23 | 20 | 75.0 | 0.00 | 2.91 | 30.08 | - |
| 16 | 28.0 | 14.0 | 21.0 | 26.0 | 24.0 | 23.5 | 24 | 20 | 74.0 | 0.00 | 2.74 | 30.08 | - |

\*Daily total, \*\*Daily Average, \*\*\* Instrument out of order, O.F. = Overflow P.T.O.

**WEATHER STATION**

**Department of Agricultural Engineering**

**Records of Climatological Observations (Daily)**

 **Location: BSMRAU Campus Month: November, 2013**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Date | \*\* Air Temp. (oC) | \*\* Soil Temp. (oC), Depth | \*\*Dry/Wet bulb Temp. (oC) at 9am | \*\*Humidity | \*Rainfall | \*Evaporation | Atmospheric pressure | Ground water table |
| Max. | Min. | Ave. | 10 cm. | 20 cm. | 30 cm. | Dry | Wet | (%) | (mm) | (mm) | (inHg) | (m) |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 17 | 29.0 | 14.0 | 21.5 | 26.0 | 24.0 | 23.5 | 30 | 20 | 73.0 | 0.00 | 3.27 | 30.09 | 21.19 |
| 18 | 29.0 | 14.0 | 21.5 | 29.0 | 24.5 | 24.0 | 25 | 23 | 84.0 | 0.00 | 2.34 | 30.12 | - |
| 19 | 30.0 | 14.0 | 22.0 | 28.0 | 24.0 | 23.0 | 23 | 20 | 75.0 | 0.00 | 2.91 | 30.12 | - |
| 20 | 29.5 | 13.8 | 21.65 | 28.0 | 24.0 | 23.5 | 23 | 20 | 75.0 | 0.00 | 2.74 | 30.08 | - |
| 21 | 26.0 | 13.5 | 19.75 | 28.5 | 24.5 | 23.5 | 25 | 20 | 61.0 | 0.00 | 1.76 | 30.13 | - |
| 22 | 28.5 | 13.0 | 20.75 | 26.0 | 24.0 | 23.5 | 23 | 20 | 75.0 | 0.00 | 2.74 | 30.12 | - |
| 23 | 28.5 | 13.5 | 21.0 | 25.5 | 24.5 | 23.5 | 23 | 20 | 76.0 | 0.00 | 2.55 | 30.11 | - |
| 24 | 28.2 | 13.5 | 20.85 | 25.5 | 23.5 | 23.0 | 24 | 20 | 68.0 | 0.00 | 2.83 | 30.12 | 21.32 |
| 25 | 28.0 | 14.0 | 21.0 | 25.5 | 23.5 | 23.0 | 25.5 | 21 | 68.0 | 0.00 | 2.03 | 30.12 | - |
| 26 | 27.0 | 14.0 | 20.5 | 23.0 | 22.5 | 22.0 | 26 | 22 | 69.0 | 0.00 | 2.42 | 30.12 | - |
| 27 | 27.0 | 14.0 | 20.5 | 23.0 | 22.0 | 22.0 | 26 | 22 | 73.0 | 0.00 | 2.07 | 30.14 | - |
| 28 | 29.0 | 13.0 | 21.0 | 24.0 | 22.5 | 22.0 | 25 | 21 | 68.0 | 0.00 | 1.85 | 30.12 | - |
| 29 | 27.0 | 14.0 | 20.5 | 22.5 | 22.0 | 21.5 | 21 | 20 | 91.0 | 0.00 | 1.82 | 30.09 | - |
| 30 | 29.0 | 16.0 | 22.5 | 22.5 | 22.0 | 21.5 | 23 | 21 | 75.0 | 0.00 | 1.80 | 30.12 | - |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Total/Av. | 28.84 | 15.66 | 22.25 | 27.56 | 24.95 | 24.25 | 24.48 | 21.5 | 78.0 | 0.00 | 72.29 | 30.10 | 21.21 |

\*Daily total, \*\*Daily Average, \*\*\* Instrument out of order, O.F. = Overflow

**WEATHER STATION**

**Department of Agricultural Engineering**

**Records of Climatological Observations (Daily)**

 **Location: BSMRAU Campus** **Month: December, 2013**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Date | \*\* Air Temp. (oC) | \*\* Soil Temp. (oC), Depth | \*\*Dry/Wet bulb Temp. (oC) at 9am | \*\*Humidity | \*Rainfall | \*Evaporation | Atmospheric pressure | Ground water table |
| Max. | Min. | Ave. | 10 cm. | 20 cm. | 30 cm. | Dry | Wet | (%) | (mm) | (mm) | (inHg) | (m) |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 1 | 29.0 | 15.0 | 22.0 | 23.5 | 22.5 | 22.0 | 23 | 20 | 75.0 | 0.00 | 2.65 | 30.08 | 21.38 |
| 2 | 29.0 | 14.0 | 21.5 | 23.5 | 22.5 | 22.0 | 23 | 20 | 75.0 | 0.00 | 2.11 | 30.08 | - |
| 3 | 29.0 | 15.0 | 22.0 | 23.0 | 22.5 | 22.0 | 22 | 21 | 91.0 | 0.00 | 1.81 | 30.03 | - |
| 4 | 29.0 | 14.0 | 21.5 | 23.0 | 22.5 | 22.0 | 24 | 21 | 75.0 | 0.00 | 2.65 | 30.12 | - |
| 5 | 29.0 | 14.0 | 21.5 | 23.0 | 22.5 | 22.0 | 23 | 20 | 75.0 | 0.00 | 1.85 | 30.12 | - |
| 6 | 29.5 | 14.2 | 21.85 | 23.0 | 22.0 | 21.5 | 23 | 20 | 75.0 | 0.00 | 2.12 | 30.09 | - |
| 7 | 29.0 | 14.0 | 21.5 | 23.5 | 22.0 | 21.5 | 23 | 20 | 75.0 | 0.00 | 2.10 | 30.11 | - |
| 8 | 24.0 | 14.0 | 19.0 | 23.5 | 22.0 | 21.5 | 23 | 20 | 75.0 | 0.00 | 1.76 | 30.12 | 21.41 |
| 9 | 28.8 | 14.2 | 21.5 | 23.0 | 22.0 | 21.5 | 21 | 20 | 91.0 | 0.00 | 1.99 | 30.12 | - |
| 10 | 28.5 | 14.0 | 21.25 | 23.0 | 22.0 | 21.5 | 22 | 20 | 82.0 | 0.00 | 1.85 | 30.11 | - |
| 11 | 28.0 | 13.7 | 20.85 | 23.0 | 22.0 | 21.5 | 22 | 21.5 | 82.0 | 0.00 | 1.76 | 30.11 | - |
| 12 | 27.0 | 13.5 | 20.25 | 23.0 | 22.0 | 21.5 | 20 | 18 | 81.0 | 0.00 | 2.38 | 30.11 | - |
| 13 | 28.0 | 13.5 | 20.75 | 23.0 | 21.5 | 21.0 | 20 | 18 | 81.0 | 0.00 | 1.94 | 30.11 | - |
| 14 | 26.0 | 12.5 | 19.25 | 22.5 | 21.0 | 20.5 | 21 | 18 | 73.0 | 0.00 | 1.85 | 30.12 | - |
| 15 | 24.0 | 11.5 | 17.75 | 22.0 | 20.5 | 20.0 | 21 | 18 | 73.0 | 0.00 | 1.63 | 30.12 | 21.46 |
| 16 | 25.0 | 10.0 | 17.5 | 22.0 | 21.5 | 20.5 | 19 | 17 | 81.0 | 0.00 | 1.76 | 30.17 | - |

\*Daily total, \*\*Daily Average, \*\*\* Instrument out of order, O.F. = Overflow P.T.O.

**WEATHER STATION**

**Department of Agricultural Engineering**

**Records of Climatological Observations (Daily)**

 **Location: BSMRAU Campus Month: December, 2013**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Date | \*\* Air Temp. (oC) | \*\* Soil Temp. (oC), Depth | \*\*Dry/Wet bulb Temp. (oC) at 9am | \*\*Humidity | \*Rainfall | \*Evaporation | Atmospheric pressure | Ground water table |
|  | Max. | Min. | Ave. | 10 cm. | 20 cm. | 30 cm. | Dry | Wet | (%) | (mm) | (mm) | (inHg) | (m) |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 17 | 25.0 | 20.5 | 22.75 | 22.0 | 20.5 | 19.5 | 19 | 16 | 69.0 | 0.00 | 2.65 | 30.15 | - |
| 18 | 25.5 | 11.0 | 18.25 | 22.0 | 20.5 | 19.5 | 19 | 16 | 69.0 | 0.00 | 2.56 | 30.15 | - |
| 19 | 25.0 | 12.0 | 18.5 | 22.0 | 20.0 | 19.5 | 18 | 17 | 91.0 | 0.00 | 1.94 | 30.15 | - |
| 20 | 25.5 | 11.5 | 18.5 | 22.0 | 20.0 | 19.5 | 19 | 17 | 81.0 | 0.00 | 2.03 | 30.14 | - |
| 21 | 25.0 | 12.0 | 18.5 | 22.0 | 20.0 | 19.5 | 17 | 17 | 81.0 | 1.62 | 1.07 | 30.09 | - |
| 22 | 25.0 | 13.0 | 19.0 | 22.0 | 20.5 | 19.5 | 17 | 17 | 90.0 | 0.00 | 1.32 | 30.15 | 21.58 |
| 23 | 24.0 | 13.0 | 18.5 | 22.0 | 20.0 | 19.0 | 18 | 17 | 90.0 | 0.00 | 0.88 | 30.16 | - |
| 24 | 26.0 | 14.0 | 20.0 | 22.0 | 20.0 | 19.0 | 19 | 18 | 90.0 | 0.00 | 1.37 | 30.16 | - |
| 25 | 26.0 | 14.0 | 20.0 | 21.5 | 19.5 | 19.0 | 16 | 15 | 89.0 | 0.00 | 1.76 | 30.15 | - |
| 26 | 26.0 | 10.0 | 18.0 | 21.5 | 19.5 | 19.0 | 15 | 14 | 89.0 | 0.00 | 2.47 | 30.12 | - |
| 27 | 25.5 | 11.0 | 18.25 | 21.5 | 20.0 | 19.5 | 17 | 16 | 89.0 | 0.00 | 2.12 | 30.13 | - |
| 28 | 25.0 | 11.0 | 18.0 | 22.0 | 19.5 | 19.0 | 15 | 14 | 89.0 | 0.00 | 1.15 | 30.15 | - |
| 29 | 25.0 | 11.0 | 18.0 | 22.0 | 20.0 | 19.0 | 16 | 15 | 89.0 | 0.00 | 0.88 | 30.15 | 21.62 |
| 30 | 24.0 | 12.0 | 18.0 | 21.0 | 19.5 | 19.0 | 15 | 14 | 89.0 | 0.00 | 1.76 | 30.18 | - |
| 31 | 23.0 | 10.0 | 16.5 | 21.0 | 19.0 | 19.0 | 13 | 13 | 89.0 | 0.00 | 2.65 | 30.18 | - |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Total/Av. | 26.39 | 13.00 | 19.7 | 22.38 | 20.95 | 20.35 | 19.45 | 17.69 | 82.06 | 1.62 | 58.82 | 30.12 | 21.49 |

\*Daily total, \*\*Daily Average, \*\*\* Instrument out of order

**WEATHER STATION**

**Department of Agricultural Engineering**

**Records of Climatological Observations (Monthly)**

 **Location: BSMRAU Campus Year: 2013**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Month | \*\*Air Temperature (oC) | \*\*Soil Temperature (oC), Depth | \*\*Dry/Wet bulb Temp. (oC) at 9am | \*\*Humidity  | \*Rain Fall  | \*Evaporation | Atmospheric pressure | \*\*Ground water table  |
| Max. | Min. | Ave. | 10 cm. | 20 cm. | 30 cm | Dry | Wet | (%) | (mm) | (mm) | (inHg) | (m) |
| January | 23.67 | 9.74 | 16.70 | 18.43 | 18.38 | 18.30 | - | - | 83.41 | 00.00 | 54.31 | - | 20.65 |
| February | 28.25 | 15.25 | 21.75 | 20.96 | 20.94 | 21.01 | - | -  | 71.25 | 09.74 | 89.01 |  - | 21.33 |
| March | 32.79 | 19.98 | 26.38 | 23.95 | 24.11 | 24.22 | - | - | 71.22 | 15.90 | 125.71 | - | 21.73 |
| April | 33.83 | 23.1 | 28.46 | 27.76 | 28.38 | 28.85 | 29.0 | 27.0 | 75.36 | 85.69 | 124.74 | 29.96 | 22.54 |
| May | 31.15 | 24.22 | 27.69 | 28.29 | 28.70 | 28.85 | 27.74 | 25.41 | 82.38 | 421.03 | 102.13 | 29.82 | 21.58 |
| June | 33.53 | 27.38 | 30.45 | 31.15 | 30.96 | 31.23 | 30.76 | 28.31 | 82.10 | 340.35 | 109.29 | 29.74 | 21.35 |
| July | 32.59 | 26.95 | 29.77 | 32.35 | 30.98 | 30.95 | 29.43 | 27.37 | 83.45 | 163.72 | 120.99 | 29.66 | 21.55 |
| August | 31.64 | 26.43 | 29.04 | 32.17 | 29.82 | 30.03 | 28.87 | 26.93 | 85.29 | 178.16 | 97.64 | 29.64 | 21.40 |
| September | 31.96 | 26.41 | 29.18 | 32.31 | 30.53 | 30.02 | 29.16 | 27.43 | 86.7 | 151.08 | 97.48 | 29.78 | 21.35 |
| October | 30.79 | 24.72 | 27.75 | 31.86 | 28.86 | 28.41 | 27.85 | 25.67 | 84.41 | 219.67 | 82.52 | 29.85 | 21.17 |
| November | 28.84 | 15.66 | 22.25 | 27.56 | 24.95 | 24.25 | 24.48 | 21.5 | 78.0 | 00.00 | 72.29 | 30.10 | 21.21 |
| December | 26.39 | 13.00 | 19.7 | 22.38 | 20.95 | 20.35 | 19.45 | 17.69 | 82.06 | 01.62 | 58.82 | 30.12 | 21.49 |
| Ave./total | 30.45 | 21.07 | 25.76 | 27.43 | 26.46 | 26.37 | 27.41 | 25.25 | 80.46 | 1586.96 | 1134.93 | 29.85 | 21.44 |

\*Monthly total, \*\*Monthly average

WEATHER STATION

Department of Agricultural Engineering

Charts of some important records during 2007-2013

**r = - 0.912 at 5% (83%)**

**r = - 0.383 at 5% (15%)**