**WEATHER STATION**

**Department of Agricultural Engineering**

**Records of Climatological Observations (Daily)**

 **Location: BSMRAU Campus** **Month: January, 2015**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 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 | 17.0 | 20.0 | 20.0 | 19.5 | 19.0 | 21.0 | 19.0 | 91.0 | 0.00 | 0.88 | 0.00 | 0.00 |
| 2 | 28.0 | 21.0 | 24.5 | 22.0 | 21.5 | 21.0 | 18.0 | 19.0 | 88.0 | 0.00 | 1.48 | 0.00 | 0.00 |
| 3 | 27.0 | 20.0 | 23.5 | 22.0 | 21.5 | 21.0 | 24.0 | 22.0 | 83.0 | 0.00 | 1.28 | 0.00 | 0.00 |
| 4 | 29.0 | 20.0 | 24.5 | 22.0 | 21.5 | 21.0 | 22.0 | 20.0 | 82.0 | 0.00 | 1.61 | 0.00 | 0.00 |
| 5 | 26.0 | 18.0 | 22.0 | 21.5 | 21.0 | 21.0 | 20.0 | 18.0 | 81.0 | 0.00 | 1.50 | 0.00 | 0.00 |
| 6 | 25.0 | 11.0 | 18.0 | 19.5 | 19.0 | 18.0 | 18.0 | 16.0 | 80.0 | 0.00 | 2.63 | 0.00 | 0.00 |
| 7 | 24.0 | 10.0 | 17.0 | 19.0 | 18.5 | 18.0 | 16.0 | 15.0 | 89.0 | 0.00 | 2.08 | 0.00 | 0.00 |
| 8 | 22.0 | 10.0 | 16.0 | 19.0 | 18.5 | 18.0 | 17.0 | 16.0 | 90.0 | 0.00 | 1.76 | 0.00 | 0.00 |
| 9 | 23.0 | 11.0 | 17.0 | 19.0 | 18.0 | 18.0 | 18.0 | 17.0 | 90.0 | 0.00 | 1.81 | 0.00 | 0.00 |
| 10 | 20.0 | 10.0 | 15.0 | 18.0 | 18.0 | 17.5 | 15.0 | 14.0 | 89.0 | 0.00 | 1.61 | 0.00 | 0.00 |
| 11 | 22.0 | 10.0 | 16.0 | 18.0 | 17.5 | 17.5 | 11.0 | 10.0 | 91.0 | 0.00 | 1.25 | 0.00 | 0.00 |
| 12 | 21.0 | 11.0 | 16.0 | 18.0 | 17.5 | 17.0 | 12.0 | 12.0 | 92.0 | 0.00 | 1.23 | 0.00 | 0.00 |
| 13 | 23.0 | 10.0 | 16.5 | 18.0 | 17.5 | 17.0 | 13.0 | 13.0 | 92.0 | 0.00 | 1.59 | 0.00 | 0.00 |
| 14 | 25.0 | 12.0 | 18.5 | 18.0 | 17.5 | 17.5 | 18.0 | 16.0 | 80.0 | 0.00 | 1.76 | 0.00 | 0.00 |
| 15 | 26.0 | 11.0 | 18.5 | 18.0 | 17.5 | 17.0 | 16.0 | 16.0 | 92.0 | 0.00 | 1.92 | 0.00 | 0.00 |
| 16 | 27.0 | 12.0 | 19.5 | 19.0 | 18.5 | 18.0 | 20.0 | 19.0 | 91.0 | 0.00 | 1.06 | 0.00 | 0.00 |

\*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, 2015**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 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 | 15.0 | 21.0 | 19.0 | 18.0 | 18.0 | 20.0 | 18.0 | 80.0 | 10.71 | 1.06 | 0.00 | 0.00 |
| 18 | 21.0 | 11.0 | 16.0 | 19.0 | 18.0 | 17.5 | 13.0 | 13.0 | 92.0 | 2.27 | 1.38 | 0.00 | 0.00 |
| 19 | 16.0 | 11.0 | 13.5 | 18.5 | 18.0 | 17.5 | 13.0 | 13.0 | 92.0 | 0.00 | 1.27 | 0.00 | 0.00 |
| 20 | 15.0 | 11.0 | 13.0 | 18.0 | 18.0 | 17.5 | 12.0 | 12.0 | 92.0 | 0.00 | 1.07 | 0.00 | 0.00 |
| 21 | 18.0 | 11.0 | 14.5 | 18.0 | 17.0 | 17.0 | 13.0 | 13.0 | 92.0 | 0.00 | 1.11 | 0.00 | 0.00 |
| 22 | 23.0 | 12.0 | 17.5 | 18.0 | 17.5 | 17.0 | 18.0 | 17.0 | 90.0 | 0.00 | 1.32 | 0.00 | 0.00 |
| 23 | 26.0 | 12.0 | 19.0 | 18.0 | 17.5 | 17.0 | 20.0 | 18.0 | 81.0 | 0.00 | 1.63 | 0.00 | 0.00 |
| 24 | 27.0 | 13.0 | 20.0 | 18.0 | 17.0 | 17.5 | 21.0 | 18.0 | 73.0 | 0.00 | 1.75 | 0.00 | 0.00 |
| 25 | 27.0 | 12.0 | 19.5 | 17.5 | 17.0 | 17.0 | 18.0 | 16.0 | 73.0 | 0.00 | 1.76 | 0.00 | 0.00 |
| 26 | 27.0 | 12.5 | 19.7 | 17.5 | 17.0 | 17.0 | 18.0 | 16.0 | 80.0 | 0.00 | 2.21 | 0.00 | 0.00 |
| 27 | 27.0 | 14.0 | 20.5 | 18.0 | 17.5 | 17.0 | 20.0 | 17.0 | 73.0 | 0.00 | 2.99 | 0.00 | 0.00 |
| 28 | 26.5 | 13.0 | 19.7 | 18.0 | 17.5 | 17.0 | 20.0 | 17.0 | 73.0 | 0.00 | 3.09 | 0.00 | 0.00 |
| 29 | 26.0 | 15.0 | 20.5 | 19.0 | 18.5 | 18.5 | 20.0 | 18.0 | 81.0 | 0.00 | 2.56 | 0.00 | 0.00 |
| 30 | 27.0 | 10.0 | 18.5 | 19.0 | 18.5 | 18.0 | 20.0 | 17.0 | 73.0 | 0.00 | 2.21 | 0.00 | 0.00 |
| 31 | 27.0 | 11.0 | 19.0 | 18.5 | 18.0 | 17.5 | 18.0 | 17.0 | 90.0 | 0.00 | 2.37 | 0.00 | 0.00 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Total/Av. | 24.24 | 12.82 | 18.53 | 18.87 | 18.32 | 17.98 | 17.51 | 16.19 | 85.03 | 12.98 | 53.23 | 0.00 | 0.00 |

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

**WEATHER STATION**

**Department of Agricultural Engineering**

**Records of Climatological Observations (Daily)**

 **Location: BSMRAU Campus** **Month: February, 2015**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 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 | 10.0 | 18.0 | 18.0 | 17.5 | 17.5 | 15.0 | 13.0 | 73.0 | 0.00 | 3.36 | 0.00 | 0.00 |
| 2 | 24.0 | 12.0 | 18.0 | 18.0 | 17.5 | 17.0 | 18.0 | 15.0 | 71.0 | 0.00 | 2.47 | 0.00 | 0.00 |
| 3 | 26.0 | 12.0 | 19.0 | 18.0 | 18.0 | 17.5 | 15.0 | 13.0 | 73.0 | 0.00 | 3.09 | 0.00 | 0.00 |
| 4 | 28.0 | 12.0 | 20.0 | 18.0 | 17.5 | 17.0 | 20.0 | 26.0 | 64.0 | 0.00 | 3.53 | 0.00 | 0.00 |
| 5 | 28.0 | 14.0 | 21.0 | 19.0 | 18.5 | 18.0 | 21.0 | 18.0 | 73.0 | 0.00 | 3.16 | 0.00 | 0.00 |
| 6 | 28.0 | 12.0 | 20.0 | 19.0 | 18.5 | 18.0 | 18.0 | 15.0 | 71.0 | 0.00 | 2.95 | 0.00 | 0.00 |
| 7 | 27.0 | 11.0 | 19.0 | 18.0 | 18.0 | 17.0 | 17.0 | 16.0 | 90.0 | 0.00 | 2.91 | 0.00 | 0.00 |
| 8 | 25.0 | 12.0 | 18.5 | 18.5 | 18.0 | 17.5 | 18.0 | 17.0 | 90.0 | 0.00 | 2.65 | 0.00 | 0.00 |
| 9 | 25.0 | 13.0 | 19.0 | 19.0 | 18.5 | 18.0 | 20.0 | 17.0 | 73.0 | 0.00 | 2.47 | 0.00 | 0.00 |
| 10 | 27.0 | 14.0 | 20.5 | 19.0 | 18.5 | 18.0 | 21.0 | 18.0 | 73.0 | 0.00 | 3.27 | 0.00 | 0.00 |
| 11 | 26.5 | 13.0 | 19.7 | 19.0 | 18.5 | 18.5 | 21.0 | 19.0 | 74.0 | 0.00 | 2.65 | 0.00 | 0.00 |
| 12 | 26.0 | 11.0 | 18.5 | 19.0 | 18.0 | 18.0 | 15.0 | 13.0 | 73.0 | 0.00 | 2.30 | 0.00 | 0.00 |
| 13 | 26.0 | 12.0 | 19.0 | 19.0 | 18.5 | 18.5 | 21.0 | 17.0 | 65.0 | 0.00 | 2.65 | 0.00 | 0.00 |
| 14 | 26.0 | 13.0 | 19.5 | 19.5 | 19.0 | 18.5 | 20.0 | 17.0 | 73.0 | 0.00 | 2.56 | 0.00 | 0.00 |
| 15 | 27.5 | 15.0 | 21.2 | 20.0 | 19.5 | 19.0 | 21.0 | 17.0 | 65.0 | 0.00 | 2.91 | 0.00 | 0.00 |
| 16 | 17.0 | 14.0 | 15.5 | 20.0 | 19.5 | 19.0 | 20.0 | 17.0 | 73.0 | 0.00 | 2.67 | 0.00 | 0.00 |

\*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, 2015**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 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 | 28.0 | 14.0 | 21.0 | 20.0 | 19.5 | 19.0 | 21.0 | 18.0 | 73.0 | 0.00 | 2.83 | 0.00 | 0.00 |
| 18 | 29.0 | 17.0 | 23.0 | 21.0 | 20.5 | 20.0 | 22.0 | 19.0 | 74.0 | 0.00 | 3.00 | 0.00 | 0.00 |
| 19 | 25.0 | 18.0 | 21.5 | 21.5 | 21.0 | 21.0 | 19.0 | 17.0 | 81.0 | 1.62 | 2.50 | 0.00 | 0.00 |
| 20 | 25.0 | 17.0 | 21.0 | 21.0 | 20.5 | 20.5 | 25.0 | 22.0 | 76.0 | 2.27 | 1.82 | 0.00 | 0.00 |
| 21 | 29.0 | 17.0 | 23.0 | 21.0 | 20.0 | 20.0 | 22.0 | 20.0 | 82.0 | 0.00 | 2.93 | 0.00 | 0.00 |
| 22 | 29.0 | 19.0 | 24.0 | 22.0 | 21.0 | 21.0 | 22.0 | 20.0 | 82.0 | 0.00 | 2.99 | 0.00 | 0.00 |
| 23 | 29.0 | 18.0 | 23.5 | 22.0 | 21.5 | 21.0 | 24.0 | 22.0 | 83.0 | 0.00 | 2.65 | 0.00 | 0.00 |
| 24 | 30.0 | 19.0 | 24.5 | 23.0 | 22.5 | 22.0 | 24.0 | 22.0 | 83.0 | 0.00 | 3.00 | 0.00 | 0.00 |
| 25 | 31.0 | 18.0 | 24.5 | 23.0 | 22.5 | 22.0 | 25.0 | 22.0 | 76.0 | 0.00 | 3.45 | 0.00 | 0.00 |
| 26 | 30.0 | 20.0 | 25.0 | 23.5 | 23.0 | 23.0 | 24.0 | 22.0 | 83.0 | 0.00 | 2.84 | 0.00 | 0.00 |
| 27 | 31.0 | 20.0 | 25.5 | 24.0 | 23.5 | 23.0 | 25.0 | 23.0 | 84.0 | 0.00 | 3.22 | 0.00 | 0.00 |
| 28 | 31.0 | 21.0 | 26.0 | 24.0 | 23.5 | 23.0 | 25.0 | 22.0 | 76.0 | 0.00 | 3.09 | 0.00 | 0.00 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Total/Av. | 27.14 | 14.92 | 21.03 | 20.25 | 19.73 | 19.37 | 20.67 | 18.46 | 75.96 | 3.89 | 79.92 | 0.00 | 0.00 |

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

**WEATHER STATION**

**Department of Agricultural Engineering**

**Records of Climatological Observations (Daily)**

 **Location: BSMRAU Campus** **Month: March, 2015**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 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 | 21.0 | 26.0 | 24.0 | 23.5 | 23.5 | 25.0 | 22.0 | 76.0 | 0.00 | 3.09 | 0.00 | 0.00 |
| 2 | 32.0 | 20.0 | 26.0 | 24.0 | 23.5 | 23.0 | 24.0 | 24.0 | 92.0 | 0.00 | 3.62 | 0.00 | 0.00 |
| 3 | 32.5 | 19.0 | 25.7 | 24.0 | 23.0 | 23.0 | 23.0 | 19.0 | 67.0 | 0.00 | 3.70 | 0.00 | 0.00 |
| 4 | 30.0 | 19.0 | 24.5 | 24.0 | 23.5 | 23.0 | 22.0 | 22.0 | 92.0 | 0.00 | 2.65 | 0.00 | 0.00 |
| 5 | 26.0 | 19.0 | 22.5 | 23.5 | 23.0 | 23.0 | 21.0 | 20.0 | 90.0 | 7.14 | 1.56 | 0.00 | 0.00 |
| 6 | 27.0 | 15.0 | 21.0 | 21.0 | 20.5 | 20.0 | 25.0 | 22.0 | 76.0 | 0.00 | 2.56 | 0.00 | 0.00 |
| 7 | 28.0 | 14.0 | 21.0 | 22.0 | 21.5 | 21.0 | 23.0 | 19.0 | 67.0 | 0.00 | 3.09 | 0.00 | 0.00 |
| 8 | 29.0 | 15.0 | 22.0 | 22.0 | 21.5 | 21.0 | 23.0 | 19.0 | 67.0 | 0.00 | 3.36 | 0.00 | 0.00 |
| 9 | 31.0 | 15.0 | 23.0 | 22.0 | 21.5 | 21.0 | 23.0 | 19.0 | 67.0 | 0.00 | 3.71 | 0.00 | 0.00 |
| 10 | 33.0 | 18.0 | 25.5 | 23.0 | 22.5 | 22.0 | 25.0 | 20.0 | 61.0 | 0.00 | 4.42 | 0.00 | 0.00 |
| 11 | 33.0 | 15.0 | 24.0 | 22.0 | 21.5 | 21.5 | 23.0 | 19.0 | 67.0 | 0.00 | 5.30 | 0.00 | 0.00 |
| 12 | 32.0 | 13.0 | 22.5 | 22.0 | 21.5 | 21.0 | 21.0 | 17.0 | 65.0 | 0.00 | 4.40 | 0.00 | 0.00 |
| 13 | 32.0 | 15.0 | 23.5 | 23.0 | 22.5 | 22.0 | 25.0 | 21.0 | 63.0 | 0.00 | 5.04 | 0.00 | 0.00 |
| 14 | 32.5 | 16.0 | 24.2 | 24.0 | 23.0 | 23.5 | 26.0 | 22.0 | 69.0 | 0.00 | 5.30 | 0.00 | 0.00 |
| 15 | 33.0 | 18.0 | 25.5 | 24.0 | 23.0 | 23.0 | 27.0 | 21.0 | 56.0 | 0.00 | 5.44 | 0.00 | 0.00 |
| 16 | 34.0 | 19.0 | 26.5 | 24.0 | 23.5 | 23.0 | 25.0 | 19.0 | 54.0 | 0.00 | 5.55 | 0.00 | 0.00 |

\*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, 2015**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 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 | 18.0 | 24.5 | 24.0 | 23.5 | 23.0 | 25.0 | 21.0 | 68.0 | 0.00 | 4.86 | 0.00 | 0.00 |
| 18 | 32.0 | 22.0 | 27.0 | 25.0 | 24.0 | 24.0 | 27.0 | 22.0 | 63.0 | 0.00 | 5.04 | 0.00 | 0.00 |
| 19 | 33.0 | 19.0 | 26.0 | 24.5 | 24.0 | 23.5 | 26.0 | 21.0 | 62.0 | 0.00 | 4.42 | 0.00 | 0.00 |
| 20 | 32.0 | 18.0 | 25.0 | 25.0 | 24.5 | 24.0 | 25.0 | 21.0 | 68.0 | 0.00 | 4.95 | 0.00 | 0.00 |
| 21 | 32.5 | 17.0 | 24.7 | 25.0 | 24.0 | 24.0 | 26.0 | 21.0 | 62.0 | 0.00 | 5.30 | 0.00 | 0.00 |
| 22 | 33.0 | 16.0 | 24.5 | 24.0 | 23.5 | 23.0 | 25.0 | 21.0 | 68.0 | 0.00 | 5.44 | 0.00 | 0.00 |
| 23 | 33.5 | 18.0 | 25.7 | 25.0 | 24.5 | 24.0 | 27.0 | 22.0 | 68.0 | 0.00 | 5.48 | 0.00 | 0.00 |
| 24 | 34.0 | 20.0 | 27.0 | 25.0 | 24.5 | 24.0 | 28.0 | 24.0 | 70.0 | 0.00 | 5.75 | 0.00 | 0.00 |
| 25 | 35.0 | 22.0 | 28.5 | 25.0 | 24.5 | 24.0 | 28.0 | 24.0 | 70.0 | 0.00 | 5.82 | 0.00 | 0.00 |
| 26 | 35.0 | 22.0 | 28.5 | 26.0 | 25.5 | 24.0 | 26.0 | 23.0 | 76.0 | 0.00 | 5.66 | 0.00 | 0.00 |
| 27 | 34.0 | 23.0 | 28.5 | 26.0 | 25.0 | 25.0 | 26.0 | 24.0 | 84.0 | 0.00 | 5.13 | 0.00 | 0.00 |
| 28 | 34.0 | 24.0 | 29.0 | 27.0 | 26.5 | 26.0 | 27.0 | 25.0 | 84.0 | 0.00 | 5.21 | 0.00 | 0.00 |
| 29 | 33.0 | 23.0 | 28.0 | 26.0 | 25.5 | 25.0 | 28.0 | 25.0 | 77.0 | 0.00 | 4.86 | 0.00 | 0.00 |
| 30 | 32.0 | 22.0 | 27.0 | 26.0 | 25.5 | 25.0 | 27.0 | 25.0 | 84.0 | 15.58 | 4.07 | 0.00 | 0.00 |
| 31 | 33.0 | 22.0 | 27.5 | 26.0 | 25.5 | 24.8 | 24.0 | 23.0 | 91.0 | 6.49 | 4.55 | 0.00 | 0.00 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Total/Av. | 32.03 | 18.61 | 25.32 | 24.12 | 23.53 | 23.15 | 25.03 | 21.51 | 71.74 | 29.21 | 139.33 | 0.00 | 0.00 |

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

**WEATHER STATION**

**Department of Agricultural Engineering**

**Records of Climatological Observations (Daily)**

 **Location: BSMRAU Campus** **Month: April, 2015**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 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 | 21.0 | 26.0 | 26.0 | 25.5 | 25.0 | 25.0 | 25.0 | 92.0 | 0.00 | 3.53 | 0.00 | 0.00 |
| 2 | 32.0 | 21.0 | 26.5 | 27.5 | 26.5 | 26.5 | 24.0 | 24.0 | 92.0 | 46.42 | 3.78 | 0.00 | 0.00 |
| 3 | 33.0 | 22.0 | 27.5 | 27.5 | 27.0 | 26.0 | 25.0 | 24.0 | 92.0 | 43.83 | 4.10 | 0.00 | 0.00 |
| 4 | 35.0 | 23.0 | 29.0 | 29.5 | 28.5 | 28.0 | 29.0 | 26.0 | 78.0 | 6.49 | 4.72 | 0.00 | 0.00 |
| 5 | 33.0 | 19.0 | 26.0 | 27.5 | 26.0 | 25.5 | 24.0 | 22.0 | 83.0 | 54.54 | 3.76 | 0.00 | 0.00 |
| 6 | 29.0 | 21.0 | 25.0 | 26.0 | 25.5 | 25.0 | 23.0 | 22.0 | 91.0 | 58.44 | 2.53 | 0.00 | 0.00 |
| 7 | 30.0 | 22.0 | 26.0 | 27.5 | 27.0 | 26.5 | 26.0 | 24.0 | 84.0 | 0.00 | 2.65 | 0.00 | 0.00 |
| 8 | 32.0 | 20.0 | 26.0 | 27.5 | 27.0 | 26.5 | 25.0 | 22.0 | 76.0 | 10.38 | 3.39 | 0.00 | 0.00 |
| 9 | 31.5 | 23.0 | 27.2 | 28.0 | 28.0 | 27.5 | 27.0 | 25.0 | 84.0 | 0.00 | 4.42 | 0.00 | 0.00 |
| 10 | 35.0 | 23.0 | 29.0 | 29.0 | 28.5 | 28.0 | 28.0 | 25.0 | 77.0 | 0.00 | 4.95 | 0.00 | 0.00 |
| 11 | 35.5 | 24.0 | 29.7 | 29.5 | 28.5 | 28.0 | 29.0 | 26.0 | 78.0 | 0.00 | 5.08 | 0.00 | 0.00 |
| 12 | 34.0 | 23.0 | 28.5 | 29.5 | 29.5 | 28.5 | 27.0 | 27.0 | 92.0 | 0.00 | 4.86 | 0.00 | 0.00 |
| 13 | 33.0 | 23.0 | 28.0 | 29.5 | 29.0 | 28.5 | 27.0 | 24.0 | 77.0 | 0.00 | 4.77 | 0.00 | 0.00 |
| 14 | 34.0 | 24.0 | 29.0 | 30.0 | 29.5 | 29.5 | 27.0 | 24.0 | 77.0 | 0.00 | 5.13 | 0.00 | 0.00 |
| 15 | 35.0 | 23.0 | 29.0 | 30.0 | 29.5 | 29.0 | 29.0 | 26.0 | 78.0 | 0.00 | 5.04 | 0.00 | 0.00 |
| 16 | 34.0 | 24.0 | 29.0 | 30.5 | 30.0 | 29.5 | 28.0 | 25.0 | 77.0 | 0.00 | 4.98 | 0.00 | 0.00 |

\*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, 2015**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 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 | 25.0 | 29.0 | 29.5 | 28.0 | 27.5 | 30.0 | 26.0 | 72.0 | 0.00 | 3.98 | 0.00 | 0.00 |
| 18 | 34.0 | 24.0 | 29.0 | 30.0 | 29.5 | 28.5 | 29.0 | 24.0 | 64.0 | 0.00 | 4.51 | 0.00 | 0.00 |
| 19 | 34.0 | 21.0 | 27.5 | 29.0 | 28.0 | 27.5 | 32.0 | 21.0 | 83.0 | 68.18 | O.F | 0.00 | 0.00 |
| 20 | 30.0 | 22.0 | 26.0 | 29.5 | 29.0 | 28.5 | 27.0 | 26.0 | 92.0 | 0.00 | 3.80 | 0.00 | 0.00 |
| 21 | 34.5 | 24.0 | 29.2 | 29.5 | 29.0 | 28.0 | 29.0 | 26.0 | 78.0 | 0.00 | 5.30 | 0.00 | 0.00 |
| 22 | 34.0 | 22.0 | 28.0 | 29.5 | 29.0 | 28.5 | 25.0 | 22.0 | 76.0 | 0.00 | 4.86 | 0.00 | 0.00 |
| 23 | 33.0 | 22.0 | 27.5 | 28.0 | 27.5 | 27.0 | 24.0 | 22.0 | 83.0 | 42.020 | 3.98 | 0.00 | 0.00 |
| 24 | 32.0 | 21.0 | 26.5 | 29.0 | 28.5 | 28.0 | 25.0 | 23.0 | 84.0 | 0.00 | 3.98 | 0.00 | 0.00 |
| 25 | 32.0 | 22.0 | 27.0 | 29.5 | 29.0 | 28.0 | 21.0 | 20.0 | 91.0 | 3.24 | 4.56 | 0.00 | 0.00 |
| 26 | 24.5 | 20.0 | 22.2 | 29.0 | 28.5 | 28.0 | 25.0 | 23.0 | 84.0 | 32.23 | 2.68 | 0.00 | 0.00 |
| 27 | 30.0 | 22.0 | 26.0 | 29.0 | 28.0 | 27.5 | 27.0 | 24.0 | 77.0 | 0.00 | 4.05 | 0.00 | 0.00 |
| 28 | 32.0 | 22.0 | 27.0 | 29.5 | 29.0 | 28.0 | 26.0 | 23.0 | 76.0 | 0.00 | 4.06 | 0.00 | 0.00 |
| 29 | 32.0 | 24.0 | 28.0 | 29.0 | 28.0 | 28.5 | 27.0 | 24.0 | 77.0 | 1.98 | 4.89 | 0.00 | 0.00 |
| 30 | 32.0 | 23.0 | 27.5 | 30.0 | 29.0 | 28.5 | 28.0 | 26.0 | 85.0 | 0.00 | 3.53 | 0.00 | 0.00 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Total/Av. | 32.46 | 22.33 | 27.4 | 28.83 | 28.18 | 27.65 | 26.6 | 24.03 | 81.66 | 367.75 | 121.87 | 0.00 | 0.00 |

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

**WEATHER STATION**

**Department of Agricultural Engineering**

**Records of Climatological Observations (Daily)**

 **Location: BSMRAU Campus** **Month: May, 2015**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 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 | 23.0 | 28.5 | 29.5 | 28.5 | 28.0 | 29.0 | 27.0 | 85.0 | 0.00 | 4.95 | 0.00 | 0.00 |
| 2 | 34.0 | 24.0 | 29.0 | 30.0 | 29.5 | 29.0 | 30.0 | 27.0 | 78.0 | 0.00 | 5.04 | 0.00 | 0.00 |
| 3 | 34.0 | 23.0 | 28.5 | 30.0 | 29.5 | 29.0 | 29.0 | 27.0 | 85.0 | 0.00 | 4.42 | 0.00 | 0.00 |
| 4 | 35.0 | 27.0 | 31.0 | 30.0 | 29.5 | 29.5 | 29.0 | 26.0 | 78.0 | 0.00 | 5.30 | 0.00 | 0.00 |
| 5 | 35.0 | 26.0 | 30.5 | 30.5 | 29.8 | 29.5 | 29.0 | 27.0 | 85.0 | 0.00 | 5.13 | 0.00 | 0.00 |
| 6 | 35.0 | 26.0 | 30.5 | 30.5 | 30.0 | 29.5 | 29.0 | 27.0 | 85.0 | 0.00 | 4.95 | 0.00 | 0.00 |
| 7 | 35.5 | 26.0 | 30.7 | 30.5 | 30.0 | 30.0 | 30.0 | 27.0 | 78.0 | 0.00 | 5.48 | 0.00 | 0.00 |
| 8 | 33.5 | 21.0 | 27.2 | 29.0 | 28.5 | 28.0 | 22.0 | 21.0 | 91.0 | 37.66 | 3.86 | 0.00 | 0.00 |
| 9 | 29.0 | 22.0 | 25.5 | 29.0 | 28.5 | 28.0 | 29.0 | 27.0 | 85.0 | 0.00 | 3.53 | 0.00 | 0.00 |
| 10 | 34.0 | 24.0 | 29.0 | 29.5 | 28.5 | 28.0 | 24.0 | 23.0 | 91.0 | 0.00 | 4.95 | 0.00 | 0.00 |
| 11 | 31.0 | 22.0 | 26.5 | 28.0 | 27.0 | 26.5 | 22.0 | 21.0 | 91.0 | 23.70 | 3.70 | 0.00 | 0.00 |
| 12 | 31.0 | 21.0 | 26.0 | 28.5 | 27.5 | 26.5 | 29.0 | 27.0 | 85.0 | 14.61 | 3.99 | 0.00 | 0.00 |
| 13 | 31.0 | 22.0 | 26.5 | 29.0 | 28.0 | 27.0 | 30.0 | 27.0 | 78.0 | 0.00 | 3.98 | 0.00 | 0.00 |
| 14 | 33.0 | 27.0 | 30.0 | 30.5 | 29.5 | 29.0 | 31.0 | 27.0 | 72.0 | 0.00 | 4.42 | 0.00 | 0.00 |
| 15 | 36.0 | 27.0 | 31.5 | 32.0 | 31.5 | 30.0 | 30.0 | 27.0 | 78.0 | 0.00 | 5.75 | 0.00 | 0.00 |
| 16 | 34.0 | 24.0 | 29.0 | 29.0 | 28.0 | 26.8 | 25.0 | 25.0 | 92.0 | 102.27 | O.F | 0.00 | 0.00 |

\*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, 2015**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 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 | 25.0 | 27.0 | 30.5 | 30.0 | 29.5 | 29.0 | 27.0 | 85.0 | 0.00 | 3.53 | 0.00 | 0.00 |
| 18 | 34.5 | 27.0 | 30.7 | 32.0 | 31.0 | 30.5 | 29.0 | 26.0 | 78.0 | 0.00 | 5.30 | 0.00 | 0.00 |
| 19 | 33.0 | 26.0 | 29.5 | 31.0 | 30.0 | 29.5 | 30.0 | 27.0 | 78.0 | 0.00 | 3.98 | 0.00 | 0.00 |
| 20 | 35.0 | 27.0 | 31.0 | 31.0 | 30.5 | 30.0 | 31.0 | 27.0 | 72.0 | 0.00 | 5.48 | 0.00 | 0.00 |
| 21 | 36.0 | 27.0 | 31.5 | 32.5 | 32.0 | 31.5 | 31.0 | 28.0 | 79.0 | 0.00 | 5.75 | 0.00 | 0.00 |
| 22 | 35.0 | 27.0 | 31.0 | 32.0 | 31.5 | 30.5 | 30.0 | 28.0 | 85.0 | 0.00 | 5.38 | 0.00 | 0.00 |
| 23 | 34.0 | 25.0 | 29.5 | 32.0 | 31.5 | 30.0 | 32.0 | 29.0 | 79.0 | 0.00 | 5.21 | 0.00 | 0.00 |
| 24 | 34.0 | 23.0 | 28.5 | 32.0 | 31.0 | 30.5 | 27.0 | 24.0 | 77.0 | 2.59 | 5.24 | 0.00 | 0.00 |
| 25 | 32.0 | 25.0 | 28.5 | 32.0 | 31.0 | 30.0 | 29.0 | 27.0 | 85.0 | 0.00 | 4.42 | 0.00 | 0.00 |
| 26 | 34.0 | 23.0 | 28.5 | 30.0 | 29.5 | 29.0 | 23.0 | 22.0 | 91.0 | 13.63 | 3.72 | 0.00 | 0.00 |
| 27 | 32.0 | 22.0 | 27.0 | 32.0 | 31.0 | 30.0 | 27.0 | 26.0 | 92.0 | 0.00 | 4.64 | 0.00 | 0.00 |
| 28 | 31.5 | 25.0 | 28.2 | 32.0 | 31.0 | 30.0 | 26.0 | 24.0 | 92.0 | 0.00 | 4.24 | 0.00 | 0.00 |
| 29 | 34.0 | 23.0 | 28.5 | 32.0 | 30.5 | 30.0 | 30.0 | 28.0 | 85.0 | 58.44 | 3.32 | 0.00 | 0.00 |
| 30 | 31.0 | 25.0 | 28.0 | 31.0 | 30.0 | 29.5 | 30.0 | 29.0 | 92.0 | 0.00 | 3.98 | 0.00 | 0.00 |
| 31 | 34.0 | 26.0 | 30.0 | 32.0 | 30.5 | 30.0 | 31.0 | 28.0 | 79.0 | 1.94 | 3.04 | 0.00 | 0.00 |
| Total/Av. | 33.35 | 24.54 | 28.95 | 30.62 | 29.83 | 29.18 | 28.45 | 26.22 | 83.41 | 254.84 | 136.68 | 0.00 | 0.00 |

\*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, 2015**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 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 | 35.0 | 28.0 | 31.5 | 32.0 | 31.5 | 31.0 | 31.0 | 28.0 | 79.0 | 0.00 | 5.13 | 0.00 | 0.00 |
| 2 | 36.0 | 29.0 | 32.5 | 32.0 | 31.5 | 31.0 | 31.0 | 29.0 | 86.0 | 0.00 | 5.30 | 0.00 | 0.00 |
| 3 | 34.0 | 23.0 | 28.5 | 30.0 | 29.5 | 29.0 | 30.0 | 28.0 | 85.0 | 15.94 | 4.43 | 0.00 | 0.00 |
| 4 | 36.0 | 28.0 | 32.0 | 31.5 | 31.0 | 30.0 | 31.0 | 29.0 | 86.0 | 0.00 | 5.39 | 0.00 | 0.00 |
| 5 | 36.5 | 29.0 | 32.7 | 32.0 | 31.5 | 31.0 | 30.0 | 29.0 | 92.0 | 0.00 | 5.75 | 0.00 | 0.00 |
| 6 | 36.0 | 28.0 | 32.0 | 32.0 | 31.5 | 31.0 | 32.0 | 28.0 | 73.0 | 0.00 | 4.77 | 0.00 | 0.00 |
| 7 | 36.0 | 29.0 | 32.5 | 32.0 | 31.5 | 31.0 | 31.0 | 29.0 | 86.0 | 0.00 | 5.30 | 0.00 | 0.00 |
| 8 | 36.0 | 28.0 | 32.0 | 32.0 | 31.5 | 31.0 | 31.0 | 28.0 | 79.0 | 0.00 | 5.48 | 0.00 | 0.00 |
| 9 | 35.5 | 29.0 | 32.2 | 32.0 | 31.5 | 31.0 | 31.0 | 28.0 | 79.0 | 0.00 | 5.44 | 0.00 | 0.00 |
| 10 | 35.0 | 29.0 | 32.0 | 32.5 | 32.0 | 31.5 | 30.0 | 28.0 | 85.0 | 0.00 | 5.13 | 0.00 | 0.00 |
| 11 | 31.0 | 23.0 | 27.0 | 30.0 | 29.0 | 28.0 | 34.0 | 23.0 | 91.0 | 97.40 | O.F | 0.00 | 0.00 |
| 12 | 29.0 | 22.0 | 25.5 | 30.0 | 29.5 | 28.5 | 29.0 | 27.0 | 85.0 | 64.93 | O.F | 0.00 | 0.00 |
| 13 | 32.0 | 26.0 | 29.0 | 29.0 | 28.5 | 27.0 | 29.0 | 28.0 | 92.0 | 55.19 | 1.49 | 0.00 | 0.00 |
| 14 | 31.0 | 25.0 | 28.0 | 29.0 | 28.0 | 27.5 | 26.0 | 26.0 | 92.0 | 123.37 | O.F | 0.00 | 0.00 |
| 15 | 31.0 | 28.0 | 29.5 | 29.0 | 28.0 | 27.5 | 28.0 | 27.0 | 92.0 | 15.90 | 1.39 | 0.00 | 0.00 |
| 16 | 30.0 | 26.0 | 28.0 | 30.0 | 29.5 | 29.0 | 27.0 | 26.0 | 92.0 | 19.80 | 1.84 | 0.00 | 0.00 |

\*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, 2015**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 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 | 31.5 | 27.0 | 29.2 | 30.0 | 29.5 | 29.0 | 30.0 | 27.0 | 78.0 | 0.00 | 4.33 | 0.00 | 0.00 |
| 18 | 31.0 | 25.0 | 28.0 | 30.0 | 29.5 | 29.5 | 29.0 | 28.0 | 85.0 | 26.62 | 3.70 | 0.00 | 0.00 |
| 19 | 34.0 | 25.0 | 29.5 | 31.0 | 30.5 | 30.0 | 30.0 | 27.0 | 78.0 | 0.00 | 4.60 | 0.00 | 0.00 |
| 20 | 35.0 | 27.0 | 31.0 | 32.0 | 31.5 | 31.0 | 31.0 | 27.0 | 72.0 | 0.00 | 5.30 | 0.00 | 0.00 |
| 21 | 35.0 | 28.0 | 31.5 | 32.0 | 31.5 | 31.0 | 31.0 | 27.0 | 72.0 | 0.00 | 5.46 | 0.00 | 0.00 |
| 22 | 34.0 | 27.0 | 30.5 | 32.0 | 31.0 | 30.0 | 28.0 | 26.0 | 85.0 | 2.59 | 5.06 | 0.00 | 0.00 |
| 23 | 30.0 | 27.0 | 28.5 | 31.5 | 31.0 | 30.0 | 28.0 | 27.0 | 92.0 | 8.11 | 1.03 | 0.00 | 0.00 |
| 24 | 31.0 | 27.0 | 29.0 | 31.0 | 30.5 | 30.0 | 29.0 | 27.0 | 85.0 | 3.24 | 1.26 | 0.00 | 0.00 |
| 25 | 30.5 | 27.0 | 28.7 | 30.5 | 29.5 | 29.0 | 29.0 | 27.0 | 85.0 | 120.45 | O.F | 0.00 | 0.00 |
| 26 | 30.0 | 25.5 | 27.7 | 30.0 | 29.5 | 29.0 | 28.0 | 26.0 | 85.0 | 41.55 | O.F | 0.00 | 0.00 |
| 27 | 30.5 | 26.0 | 28.2 | 30.0 | 29.5 | 29.0 | 28.0 | 26.0 | 85.0 | 19.15 | 0.83 | 0.00 | 0.00 |
| 28 | 28.5 | 26.0 | 27.2 | 29.5 | 29.0 | 28.0 | 27.0 | 26.0 | 92.0 | 18.18 | 1.01 | 0.00 | 0.00 |
| 29 | 30.0 | 26.0 | 28.0 | 29.5 | 29.0 | 29.0 | 29.0 | 28.0 | 92.0 | 10.71 | 0.97 | 0.00 | 0.00 |
| 30 | 32.5 | 27.5 | 30.0 | 29.5 | 29.0 | 28.5 | 29.0 | 27.0 | 85.0 | 0.00 | 3.60 | 0.00 | 0.00 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Total/Av. | 32.78 | 26.7 | 29.74 | 30.78 | 30.2 | 29.6 | 29.56 | 27.23 | 84.83 | 643.13 | 93.99 | 0.00 | 0.00 |

\*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, 2015**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 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 | 30.0 | 31.0 | 30.5 | 30.0 | 29.0 | 27.0 | 85.0 | 0.00 | 4.95 | 0.00 | 0.00 |
| 2 | 33.5 | 27.5 | 30.5 | 31.0 | 30.5 | 30.0 | 29.0 | 26.0 | 78.0 | 0.00 | 5.13 | 0.00 | 0.00 |
| 3 | 33.0 | 27.0 | 30.0 | 32.0 | 31.5 | 30.0 | 30.0 | 27.0 | 78.0 | 0.00 | 5.57 | 0.00 | 0.00 |
| 4 | 34.0 | 28.0 | 31.0 | 32.0 | 31.5 | 31.0 | 30.0 | 28.0 | 85.0 | 0.00 | 5.76 | 0.00 | 0.00 |
| 5 | 35.0 | 28.0 | 31.5 | 32.0 | 31.5 | 31.0 | 29.0 | 27.0 | 85.0 | 0.00 | 3.98 | 0.00 | 0.00 |
| 6 | 33.0 | 27.0 | 30.0 | 32.0 | 31.5 | 31.0 | 30.0 | 28.0 | 85.0 | 0.00 | 3.53 | 0.00 | 0.00 |
| 7 | 33.5 | 27.0 | 30.2 | 32.0 | 31.5 | 31.0 | 28.0 | 27.0 | 92.0 | 3.34 | 3.61 | 0.00 | 0.00 |
| 8 | 32.0 | 27.0 | 29.5 | 31.5 | 31.0 | 31.0 | 28.0 | 27.0 | 92.0 | 4.20 | 2.07 | 0.00 | 0.00 |
| 9 | 34.0 | 26.0 | 30.0 | 30.0 | 29.5 | 29.0 | 26.0 | 27.0 | 92.0 | 27.27 | 4.45 | 0.00 | 0.00 |
| 10 | 30.0 | 26.0 | 28.0 | 30.0 | 29.5 | 29.0 | 29.0 | 27.0 | 85.0 | 14.61 | 0.80 | 0.00 | 0.00 |
| 11 | 30.0 | 26.0 | 28.0 | 30.0 | 29.5 | 29.0 | 29.0 | 27.0 | 85.0 | 22.07 | 1.36 | 0.00 | 0.00 |
| 12 | 34.0 | 28.0 | 31.0 | 31.0 | 30.5 | 30.0 | 30.0 | 27.0 | 78.0 | 2.59 | 3.98 | 0.00 | 0.00 |
| 13 | 34.5 | 28.0 | 31.2 | 31.5 | 31.0 | 30.8 | 30.0 | 28.0 | 85.0 | 0.00 | 4.84 | 0.00 | 0.00 |
| 14 | 34.0 | 27.0 | 30.5 | 30.5 | 30.0 | 30.0 | 30.0 | 28.0 | 85.0 | 0.00 | 4.77 | 0.00 | 0.00 |
| 15 | 31.0 | 25.0 | 28.0 | 29.5 | 29.0 | 28.5 | 25.0 | 25.0 | 92.0 | 100.64 | O.F | 0.00 | 0.00 |
| 16 | 29.0 | 24.0 | 26.5 | 29.5 | 29.0 | 28.5 | 29.0 | 27.0 | 85.0 | 3.57 | 0.91 | 0.00 | 0.00 |

\*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, 2015**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 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 | 27.0 | 30.5 | 30.0 | 29.5 | 29.0 | 27.0 | 26.0 | 92.0 | 51.94 | O.F | 0.00 | 0.00 |
| 18 | 31.0 | 26.0 | 28.5 | 30.0 | 29.5 | 29.5 | 26.0 | 25.0 | 92.0 | 56.81 | O.F | 0.00 | 0.00 |
| 19 | 30.0 | 26.0 | 28.0 | 29.0 | 28.5 | 28.0 | 25.0 | 25.0 | 92.0 | 136.36 | O.F | 0.00 | 0.00 |
| 20 | 30.0 | 26.0 | 28.0 | 29.5 | 29.0 | 29.0 | 27.0 | 26.0 | 92.0 | 19.48 | 1.78 | 0.00 | 0.00 |
| 21 | 30.0 | 26.0 | 28.0 | 30.0 | 29.5 | 29.0 | 26.0 | 25.0 | 92.0 | 11.36 | 2.51 | 0.00 | 0.00 |
| 22 | 30.0 | 27.0 | 28.5 | 30.0 | 29.5 | 29.0 | 27.0 | 27.0 | 92.0 | 24.35 | 1.52 | 0.00 | 0.00 |
| 23 | 31.0 | 27.0 | 29.0 | 30.0 | 29.5 | 29.0 | 29.0 | 27.0 | 85.0 | 8.11 | 1.47 | 0.00 | 0.00 |
| 24 | 32.0 | 26.0 | 29.0 | 30.0 | 29.5 | 29.0 | 27.0 | 26.0 | 92.0 | 11.03 | 1.74 | 0.00 | 0.00 |
| 25 | 31.0 | 26.0 | 28.5 | 30.0 | 29.5 | 29.0 | 26.0 | 25.0 | 92.0 | 32.46 | 1.32 | 0.00 | 0.00 |
| 26 | 31.0 | 27.0 | 29.0 | 30.0 | 29.5 | 29.0 | 30.0 | 27.0 | 78.0 | 0.00 | 3.53 | 0.00 | 0.00 |
| 27 | 34.0 | 27.0 | 30.5 | 30.0 | 29.0 | 29.0 | 28.0 | 26.0 | 85.0 | 14.61 | 3.10 | 0.00 | 0.00 |
| 28 | 30.0 | 26.5 | 28.2 | 30.0 | 29.5 | 29.0 | 28.0 | 26.0 | 85.0 | 9.09 | 2.82 | 0.00 | 0.00 |
| 29 | 34.0 | 27.0 | 30.5 | 31.5 | 31.0 | 30.0 | 31.0 | 28.0 | 78.0 | 0.00 | 4.42 | 0.00 | 0.00 |
| 30 | 36.0 | 28.0 | 32.0 | 32.0 | 31.5 | 30.0 | 32.0 | 28.0 | 73.0 | 0.00 | 5.30 | 0.00 | 0.00 |
| 31 | 35.0 | 27.0 | 31.0 | 31.5 | 31.0 | 30.0 | 27.0 | 26.0 | 92.0 | 11.52 | 1.78 | 0.00 | 0.00 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Total/Av. | 32.33 | 26.70 | 29.5 | 30.61 | 30.09 | 29.59 | 28.29 | 26.64 | 86.41 | 565.41 | 87.00 | 0.00 | 0.00 |

\*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, 2015**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 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 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 3 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 4 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 5 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 6 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 7 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 8 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 9 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 10 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 11 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 12 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 13 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 14 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 15 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 16 |  |  |  |  |  |  |  |  |  |  |  |  |  |

\*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, 2015**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 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 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 18 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 19 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 20 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 21 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 22 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 23 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 24 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 25 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 26 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 27 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 28 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 29 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 30 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 31 |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Total/Av. |  |  |  |  |  |  |  |  |  |  |  |  |  |

\*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, 2015**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 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 | 32.0 | 27.0 | 29.5 | 28.0 | 27.5 | 27.5 | 27.0 | 25.0 | 85.0 | 0.00 | 4.87 | 0.00 | - |
| 2 | 32.0 | 27.0 | 29.5 | 29.5 | 29.0 | 29.0 | 29.0 | 26.0 | 78.0 | 0.00 | 4.69 | 0.00 | - |
| 3 | 33.0 | 27.0 | 30.0 | 30.0 | 29.5 | 29.0 | 30.0 | 27.0 | 78.0 | 0.00 | 4.78 | 0.00 | - |
| 4 | 33.5 | 28.0 | 30.7 | 30.5 | 30.0 | 29.5 | 30.0 | 27.0 | 78.0 | 0.00 | 3.98 | 0.00 | - |
| 5 | 33.5 | 28.0 | 30.7 | 31.0 | 30.0 | 30.0 | 29.0 | 26.0 | 78.0 | 0.00 | 4.69 | 0.00 | - |
| 6 | 34.0 | 28.0 | 31.0 | 30.0 | 29.5 | 29.0 | 30.0 | 27.0 | 78.0 | 0.00 | 4.69 | 0.00 | - |
| 7 | 34.0 | 27.0 | 30.5 | 31.0 | 30.0 | 29.0 | 29.0 | 26.0 | 78.0 | 0.00 | 4.91 | 0.00 | - |
| 8 | 33.5 | 27.0 | 30.2 | 31.0 | 30.0 | 29.5 | 30.0 | 27.0 | 78.0 | 0.00 | 4.69 | 0.00 | - |
| 9 | 32.5 | 28.0 | 30.2 | 30.0 | 29.5 | 29.0 | 30.0 | 27.0 | 78.0 | 0.00 | 3.98 | 0.00 | - |
| 10 | 33.0 | 27.0 | 30.0 | 30.0 | 29.5 | 29.0 | 30.0 | 27.0 | 72.0 | 1.62 | 1.78 | 0.00 | - |
| 11 | 33.5 | 27.0 | 30.2 | 31.0 | 30.0 | 39.5 | 30.0 | 27.0 | 78.0 | 0.00 | 3.98 | 0.00 | - |
| 12 | 33.0 | 27.0 | 30.0 | 30.0 | 29.5 | 29.0 | 30.0 | 28.0 | 85.0 | 0.00 | 2.96 | 0.00 | - |
| 13 | 33.5 | 28.0 | 30.7 | 30.0 | 29.5 | 29.0 | 29.0 | 27.0 | 85.0 | 10.71 | 2.70 | 0.00 | - |
| 14 | 32.0 | 27.0 | 29.5 | 31.0 | 30.0 | 29.5 | 30.0 | 28.0 | 85.0 | 10.06 | 3.07 | 0.00 | - |
| 15 | 33.0 | 27.0 | 30.0 | 31.0 | 30.5 | 30.0 | 28.0 | 29.0 | 79.0 | 0.00 | 2.65 | 0.00 | - |
| 16 | 34.0 | 26.0 | 30.0 | 31.0 | 30.5 | 30.0 | 30.0 | 28.0 | 85.0 | 0.00 | 4.37 | 0.00 | - |

\*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, 2015**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 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 | 27.0 | 30.5 | 32.0 | 30.5 | 30.0 | 29.0 | 27.0 | 85.0 | 0.00 | 3.98 | 0.00 | - |
| 18 | 35.0 | 28.0 | 31.5 | 31.0 | 30.5 | 30.5 | 28.0 | 27.0 | 92.0 | 9.41 | 2.50 | 0.00 | - |
| 19 | 35.0 | 26.0 | 30.5 | 31.5 | 30.5 | 30.0 | 30.0 | 27.0 | 78.0 | 7.62 | 4.70 | 0.00 | - |
| 20 | 33.0 | 27.0 | 30.0 | 31.5 | 30.5 | 29.5 | 30.0 | 28.0 | 85.0 | 0.00 | 4.42 | 0.00 | - |
| 21 | 28.0 | 26.0 | 27.0 | 30.0 | 29.5 | 29.0 | 29.0 | 27.0 | 85.0 | 11.03 | 1.47 | 0.00 | - |
| 22 | 30.0 | 27.0 | 28.5 | 29.5 | 28.5 | 28.0 | 28.0 | 26.0 | 85.0 | 10.71 | 1.97 | 0.00 | - |
| 23 | 30.0 | 26.0 | 28.0 | 28.5 | 27.5 | 27.0 | 27.0 | 26.0 | 92.0 | 7.79 | 1.68 | 0.00 | - |
| 24 | 30.0 | 27.0 | 28.5 | 28.5 | 27.5 | 27.0 | 30.0 | 28.0 | 85.0 | 0.00 | 2.03 | 0.00 | - |
| 25 | 31.0 | 25.0 | 28.0 | 29.0 | 28.5 | 28.0 | 29.0 | 27.0 | 85.0 | 24.35 | 1.43 | 0.00 | - |
| 26 | 32.0 | 24.0 | 28.0 | 29.5 | 28.5 | 28.0 | 29.0 | 27.0 | 85.0 | 0.00 | 2.96 | 0.00 | - |
| 27 | 31.0 | 25.0 | 28.0 | 29.5 | 28.5 | 28.5 | 30.0 | 27.0 | 78.0 | 31.81 | 2.71 | 0.00 | - |
| 28 | 33.5 | 26.0 | 29.7 | 30.5 | 30.0 | 29.5 | 30.0 | 27.0 | 0.00 | 5.27 | 1.91 | 0.00 | - |
| 29 | 34.5 | 26.0 | 30.2 | 30.5 | 30.0 | 29.5 | 29.0 | 27.0 | 85.0 | 1.62 | 0.61 | 0.00 | - |
| 30 | 34.0 | 27.0 | 30.5 | 30.5 | 29.5 | 29.0 | 30.0 | 27.0 | 78.0 | 0.00 | 5.09 | 0.00 | - |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Total/Av. | 32.7 | 26.76 | 29.73 | 30.23 | 29.48 | 29.36 | 29.3 | 27.0 | 79.2 | 132.0 | 100.25 | 0.00 | - |

\*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, 2015**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 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 | 26.0 | 29.5 | 31.0 | 29.5 | 29.0 | 30.0 | 27.0 | 78.0 | 0.00 | 3.52 | 0.00 | - |
| 2 | 33.5 | 27.0 | 30.2 | 31.5 | 29.5 | 29.0 | 29.0 | 27.0 | 85.0 | 0.00 | 3.58 | 0.00 | - |
| 3 | 34.0 | 27.0 | 30.5 | 31.5 | 30.5 | 30.0 | 30.0 | 28.0 | 85.0 | 0.00 | 3.96 | 0.00 | - |
| 4 | 34.0 | 26.0 | 30.0 | 31.0 | 29.5 | 29.5 | 30.0 | 27.0 | 78.0 | 0.00 | 3.36 | 0.00 | - |
| 5 | 33.0 | 26.0 | 29.5 | 31.8 | 30.5 | 29.5 | 30.0 | 27.0 | 78.0 | 0.00 | 3.09 | 0.00 | - |
| 6 | 34.0 | 24.0 | 29.0 | 32.0 | 30.5 | 30.0 | 29.0 | 27.0 | 85.0 | 0.00 | 3.98 | 0.00 | - |
| 7 | 33.0 | 27.0 | 30.0 | 31.0 | 29.5 | 29.0 | 30.0 | 27.0 | 78.0 | 7.46 | 4.08 | 0.00 | - |
| 8 | 34.0 | 26.0 | 30.0 | 31.5 | 30.0 | 29.5 | 29.0 | 27.0 | 85.0 | 0.00 | 3.84 | 0.00 | - |
| 9 | 32.0 | 27.0 | 29.5 | 31.5 | 29.5 | 29.0 | 27.0 | 26.0 | 92.0 | 0.00 | 3.02 | 0.00 | - |
| 10 | 24.0 | 25.0 | 24.5 | 31.5 | 29.8 | 29.0 | 29.0 | 28.0 | 92.0 | 0.00 | 3.81 | 0.00 | - |
| 11 | 32.0 | 26.0 | 29.0 | 31.0 | 29.8 | 28.8 | 28.0 | 27.0 | 92.0 | 5.51 | 3.39 | 0.00 | - |
| 12 | 29.0 | 25.0 | 27.0 | 30.5 | 29.0 | 28.5 | 26.0 | 26.0 | 92.0 | 34.09 | 2.06 | 0.00 | - |
| 13 | 29.0 | 26.0 | 27.5 | 30.5 | 29.5 | 29.0 | 29.0 | 27.0 | 91.0 | 0.00 | 2.21 | 0.00 | - |
| 14 | 30.0 | 25.0 | 27.5 | 30.5 | 29.5 | 29.0 | 30.0 | 27.0 | 78.0 | 1.62 | 2.06 | 0.00 | - |
| 15 | 29.0 | 26.0 | 27.5 | 30.0 | 29.0 | 28.5 | 29.0 | 27.0 | 85.0 | 0.00 | 0.63 | 0.00 | - |
| 16 | 32.0 | 27.0 | 29.5 | 30.5 | 29.5 | 29.5 | 28.0 | 26.0 | 85.0 | 0.00 | 3.40 | 0.00 | - |

\*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, 2015**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 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 | 22.0 | 27.0 | 31.0 | 29.5 | 29.0 | 29.0 | 26.0 | 78.0 | 0.00 | 3.50 | 0.00 | - |
| 18 | 31.0 | 23.0 | 27.0 | 32.0 | 29.5 | 28.5 | 30.0 | 27.0 | 78.0 | 0.00 | 3.02 | 0.00 | - |
| 19 | 31.0 | 22.0 | 26.5 | 31.5 | 29.5 | 28.5 | 27.0 | 24.0 | 77.0 | 0.00 | 2.91 | 0.00 | - |
| 20 | 30.0 | 22.0 | 26.0 | 31.0 | 29.5 | 28.5 | 27.0 | 24.0 | 77.0 | 0.00 | 3.53 | 0.00 | - |
| 21 | 31.0 | 22.0 | 26.5 | 31.0 | 29.0 | 28.0 | 27.0 | 24.0 | 77.0 | 0.00 | 3.25 | 0.00 | - |
| 22 | 31.0 | 21.0 | 26.0 | 30.0 | 28.5 | 27.8 | 30.0 | 27.0 | 78.0 | 0.00 | 3.53 | 0.00 | - |
| 23 | 32.0 | 21.0 | 26.5 | 31.5 | 29.0 | 28.0 | 28.0 | 25.0 | 77.0 | 0.00 | 3.43 | 0.00 | - |
| 24 | 32.0 | 21.0 | 26.5 | 31.5 | 28.0 | 28.0 | 29.0 | 27.0 | 85.0 | 0.00 | 3.09 | 0.00 | - |
| 25 | 31.0 | 20.0 | 25.5 | 30.5 | 28.0 | 27.0 | 28.0 | 25.0 | 77.0 | 0.00 | 2.65 | 0.00 | - |
| 26 | 30.0 | 20.0 | 25.0 | 30.5 | 28.0 | 27.5 | 28.0 | 25.0 | 77.0 | 0.00 | 2.61 | 0.00 | - |
| 27 | 29.0 | 22.0 | 25.5 | 30.0 | 29.0 | 28.5 | 24.0 | 22.0 | 83.0 | 0.00 | 0.88 | 0.00 | - |
| 28 | 30.0 | 22.0 | 26.0 | 30.0 | 28.5 | 28.5 | 24.0 | 23.0 | 91.0 | 0.00 | 0.84 | 0.00 | - |
| 29 | 27.0 | 19.0 | 23.0 | 29.5 | 28.0 | 27.5 | 24.0 | 23.0 | 91.0 | 0.00 | 2.01 | 0.00 | - |
| 30 | 30.0 | 19.0 | 24.5 | 29.5 | 28.5 | 27.5 | 26.0 | 23.0 | 76.0 | 0.00 | 2.65 | 0.00 | - |
| 31 | 32.0 | 19.0 | 25.5 | 31.0 | 28.5 | 27.5 | 26.0 | 25.0 | 92.0 | 0.00 | 2.26 | 0.00 | - |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Total/Av. | 31.11 | 23.58 | 27.34 | 30.89 | 29.22 | 28.61 | 28.06 | 25.83 | 83 | 48.68 | 90.15 | 0.00 | - |

\*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, 2015**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 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 | 19.0 | 25.0 | 30.0 | 28.0 | 27.5 | 27.0 | 25.0 | 84.0 | 0.00 | 2.11 | 0.00 | - |
| 2 | 31.0 | 19.0 | 25.0 | 30.0 | 28.0 | 27.5 | 27.0 | 24.0 | 77.0 | 0.00 | 2.05 | 0.00 | - |
| 3 | 31.5 | 21.0 | 26.2 | 29.0 | 27.0 | 26.5 | 27.0 | 25.0 | 84.0 | 0.00 | 3.05 | 0.00 | - |
| 4 | 32.0 | 21.0 | 26.5 | 29.0 | 27.5 | 27.0 | 25.0 | 24.0 | 92.0 | 0.00 | 2.76 | 0.00 | - |
| 5 | 32.0 | 22.0 | 27.0 | 29.5 | 26.5 | 25.8 | 26.0 | 24.0 | 84.0 | 0.00 | 2.65 | 0.00 | - |
| 6 | 31.0 | 22.0 | 26.5 | 29.0 | 26.5 | 25.5 | 27.0 | 24.0 | 77.0 | 0.00 | 2.56 | 0.00 | - |
| 7 | 33.0 | 20.0 | 26.5 | 30.0 | 29.0 | 28.0 | 27.0 | 25.0 | 84.0 | 0.00 | 3.09 | 0.00 | - |
| 8 | 32.0 | 21.0 | 26.5 | 30.0 | 28.5 | 27.5 | 27.0 | 24.0 | 77.0 | 0.00 | 2.76 | 0.00 | - |
| 9 | 30.0 | 22.0 | 26.0 | 29.0 | 27.5 | 26.5 | 29.0 | 27.0 | 85.0 | 0.00 | 2.54 | 0.00 | - |
| 10 | 32.0 | 20.0 | 26.0 | 30.0 | 27.0 | 26.5 | 27.0 | 22.0 | 63.0 | 0.00 | 2.65 | 0.00 | - |
| 11 | 32.0 | 21.0 | 26.5 | 30.0 | 25.5 | 24.5 | 27.0 | 25.0 | 84.0 | 0.00 | 3.20 | 0.00 | - |
| 12 | 31.0 | 21.0 | 26.0 | 29.5 | 26.5 | 26.0 | 25.0 | 22.0 | 76.0 | 0.00 | 2.76 | 0.00 | - |
| 13 | 31.0 | 21.0 | 26.0 | 29.5 | 26.0 | 25.5 | 27.0 | 24.0 | 77.0 | 0.00 | 2.67 | 0.00 | - |
| 14 | 31.0 | 19.0 | 25.0 | 29.5 | 26.0 | 25.5 | 27.0 | 25.0 | 84.0 | 0.00 | 2.58 | 0.00 | - |
| 15 | 30.0 | 18.0 | 24.0 | 28.0 | 26.0 | 25.0 | 25.0 | 24.0 | 92.0 | 0.00 | 2.45 | 0.00 | - |
| 16 | 30.0 | 16.0 | 23.0 | 28.0 | 25.5 | 24.5 | 23.0 | 21.0 | 83.0 | 0.00 | 2.30 | 0.00 | - |

\*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, 2015**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 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 | 28.0 | 16.0 | 22.0 | 22.5 | 22.0 | 21.5 | 23.0 | 21.0 | 83.0 | 0.00 | 1.96 | 0.00 | - |
| 18 | 29.0 | 17.0 | 23.0 | 22.5 | 22.0 | 21.5 | 25.0 | 22.0 | 76.0 | 0.00 | 1.76 | 0.00 | - |
| 19 | 30.0 | 21.0 | 25.5 | 22.0 | 21.5 | 21.5 | 24.0 | 22.0 | 83.0 | 0.00 | 1.92 | 0.00 | - |
| 20 | 29.0 | 22.0 | 25.5 | 21.5 | 21.0 | 21.0 | 23.0 | 21.0 | 83.0 | 0.00 | 1.84 | 0.00 | - |
| 21 | 29.0 | 14.0 | 21.5 | 21.5 | 21.0 | 20.5 | 24.0 | 23.0 | 91.0 | 0.00 | 1.99 | 0.00 | - |
| 22 | 28.5 | 15.0 | 21.7 | 21.0 | 20.8 | 20.5 | 23.0 | 20.0 | 75.0 | 0.00 | 1.76 | 0.00 | - |
| 23 | 29.0 | 12.0 | 20.5 | 21.5 | 20.5 | 20.0 | 22.0 | 19.0 | 74.0 | 0.00 | 1.96 | 0.00 | - |
| 24 | 28.0 | 12.0 | 20.0 | 21.5 | 20.5 | 20.5 | 21.0 | 18.0 | 73.0 | 0.00 | 1.10 | 0.00 | - |
| 25 | 28.0 | 12.0 | 20.0 | 21.5 | 20.0 | 20.0 | 22.0 | 19.0 | 74.0 | 0.00 | 0.99 | 0.00 | - |
| 26 | 28.0 | 14.0 | 21.0 | 21.0 | 20.5 | 20.0 | 20.0 | 19.0 | 91.0 | 0.00 | 1.32 | 0.00 | - |
| 27 | 27.0 | 12.0 | 19.5 | 21.0 | 20.0 | 21.5 | 25.0 | 24.0 | 92.0 | 0.00 | 1.07 | 0.00 | - |
| 28 | 27.0 | 13.0 | 20.0 | 21.5 | 20.5 | 20.5 | 20.0 | 19.0 | 91.0 | 0.00 | 0.98 | 0.00 | - |
| 29 | 27.5 | 12.0 | 19.7 | 22.0 | 20.6 | 20.5 | 22.0 | 19.0 | 74.0 | 0.00 | 0.88 | 0.00 | - |
| 30 | 27.0 | 13.0 | 20.0 | 22.5 | 20.5 | 20.5 | 21.0 | 18.0 | 73.0 | 0.00 | 1.06 | 0.00 | - |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Total/Av. | 29.85 | 17.6 | 23.72 | 25.78 | 24.08 | 23.64 | 24.6 | 22.3 | 81.2 | 0.00 | 62.77 | 0.00 | - |

\*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, 2015**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 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 | 14.0 | 20.5 | 23.0 | 22.0 | 21.5 | 21.0 | 20.0 | 91.0 | 0.00 | 1.32 | 0.00 | - |
| 2 | 27.5 | 14.0 | 20.7 | 23.0 | 22.5 | 22.0 | 22.0 | 20.0 | 82.0 | 0.00 | 1.10 | 0.00 | - |
| 3 | 27.0 | 14.0 | 20.5 | 23.0 | 22.6 | 22.0 | 21.0 | 20.0 | 91.0 | 0.00 | 1.28 | 0.00 | - |
| 4 | 27.0 | 15.0 | 21.0 | 23.5 | 22.6 | 22.0 | 21.0 | 20.0 | 91.0 | 0.00 | 1.16 | 0.00 | - |
| 5 | 28.0 | 14.0 | 21.0 | 23.0 | 22.5 | 22.0 | 23.0 | 21.0 | 83.0 | 0.00 | 1.06 | 0.00 | - |
| 6 | 27.0 | 15.0 | 21.0 | 22.0 | 21.8 | 21.0 | 22.0 | 20.0 | 82.0 | 0.00 | 1.01 | 0.00 | - |
| 7 | 28.0 | 13.0 | 20.5 | 22.5 | 22.0 | 21.5 | 18.0 | 17.0 | 90.0 | 0.00 | 1.11 | 0.00 | - |
| 8 | 22.0 | 14.0 | 18.0 | 21.5 | 20.0 | 20.0 | 22.0 | 21.0 | 91.0 | 0.00 | 0.92 | 0.00 | - |
| 9 | 22.0 | 13.0 | 17.5 | 21.5 | 20.0 | 20.0 | 16.0 | 16.0 | 92.0 | 0.00 | 0.88 | 0.00 | - |
| 10 | 22.0 | 14.0 | 18.0 | 21.0 | 20.5 | 20.0 | 15.0 | 15.0 | 92.0 | 0.00 | 0.92 | 0.00 | - |
| 11 | 24.0 | 15.0 | 19.5 | 21.5 | 20.0 | 20.5 | 16.0 | 16.0 | 92.0 | 0.00 | 0.90 | 0.00 | - |
| 12 | 20.0 | 11.0 | 15.5 | 20.5 | 20.0 | 19.5 | 18.0 | 17.0 | 90.0 | 0.00 | 0.84 | 0.00 | - |
| 13 | 19.0 | 11.0 | 15.0 | 19.5 | 19.0 | 18.5 | 19.0 | 18.0 | 90.0 | 0.00 | 0.84 | 0.00 | - |
| 14 | 19.0 | 12.0 | 15.5 | 20.5 | 19.0 | 18.5 | 18.0 | 17.0 | 90.0 | 0.00 | 0.87 | 0.00 | - |
| 15 | 23.0 | 17.0 | 20.0 | 20.0 | 19.0 | 18.0 | 20.0 | 19.0 | 91.0 | 0.00 | 0.88 | 0.00 | - |
| 16 | 26.0 | 24.0 | 25.0 | 20.5 | 19.5 | 18.5 | 19.0 | 17.0 | 81.0 | 0.00 | 1.10 | 0.00 | - |

\*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, 2015**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 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 | 13.0 | 19.0 | 21.0 | 20.5 | 20.0 | 18.0 | 17.0 | 90.0 | 0.00 | 0.99 | 0.00 | - |
| 18 | 24.0 | 12.0 | 18.0 | 20.0 | 19.5 | 19.0 | 15.0 | 14.0 | 89.0 | 0.00 | 0.93 | 0.00 | - |
| 19 | 27.0 | 10.0 | 18.5 | 21.0 | 20.5 | 19.5 | 19.0 | 18.0 | 90.0 | 0.00 | 1.54 | 0.00 | - |
| 20 | 28.0 | 11.0 | 19.5 | 22.0 | 21.0 | 20.5 | 20.0 | 18.0 | 81.0 | 0.00 | 1.75 | 0.00 | - |
| 21 | 28.0 | 12.0 | 20.0 | 22.0 | 21.0 | 20.5 | 19.0 | 17.0 | 83.0 | 0.00 | 1.76 | 0.00 | - |
| 22 | 24.0 | 11.0 | 17.5 | 21.5 | 20.5 | 19.5 | 18.0 | 16.0 | 80.0 | 0.00 | 1.06 | 0.00 | - |
| 23 | 25.0 | 10.0 | 17.5 | 22.0 | 21.0 | 20.0 | 17.0 | 15.0 | 80.0 | 0.00 | 1.50 | 0.00 | - |
| 24 | 26.0 | 11.0 | 18.5 | 22.0 | 21.0 | 20.5 | 18.0 | 16.0 | 80.0 | 0.00 | 1.67 | 0.00 | - |
| 25 | 26.5 | 12.0 | 19.2 | 22.0 | 21.5 | 20.5 | 17.0 | 16.0 | 90.0 | 0.00 | 1.76 | 0.00 | - |
| 26 | 24.0 | 13.0 | 18.5 | 21.5 | 20.5 | 20.0 | 17.0 | 15.0 | 80.0 | 0.00 | 1.32 | 0.00 | - |
| 27 | 19.0 | 12.0 | 15.5 | 21.0 | 20.0 | 19.8 | 17.0 | 16.0 | 90.0 | 0.00 | 0.92 | 0.00 | - |
| 28 | 20.0 | 12.0 | 16.0 | 21.0 | 20.5 | 20.0 | 14.0 | 14.0 | 92.0 | 0.00 | 0.88 | 0.00 | - |
| 29 | 21.0 | 11.0 | 16.0 | 22.0 | 20.0 | 19.5 | 14.0 | 13.0 | 89.0 | 0.00 | 0.95 | 0.00 | - |
| 30 | 21.0 | 11.0 | 16.0 | 21.0 | 20.5 | 19.5 | 14.0 | 14.0 | 92.0 | 0.00 | 0.70 | 0.00 | - |
| 31 | 31.0 | 12.0 | 21.5 | 22.5 | 21.0 | 20.5 | 17.0 | 16.0 | 90.0 | 0.00 | 1.01 | 0.00 | - |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Total/Av. | 24.63 | 11.53 | 18.08 | 21.5 | 20.6 | 19.95 | 16.93 | 15.66 | 86.4 | 0.00 | 18.74 | 0.00 | - |

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

**WEATHER STATION**

**Department of Agricultural Engineering**

**Records of Climatological Observations (Monthly)**

 **Location: BSMRAU Campus Year: 2015**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 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 | 23.40 | 12.14 | 17.77 | 20.83 | 18.67 | 18.22 | 16.61 | 15.74 | 87.06 | 0.00 | 58.58 | 30.20 | 21.53 |
| February | 25.51 | 13.66 | 19.58 | 22.26 | 20.53 | 19.85 | 19.67 | 16.96 | 76.96 | 40.73 | 40.73 | 30.07 | 22.23 |
| March | 30.74 | 18.60 | 24.67 | 21.64 | 23.15 | 22.39 | 22.77 | 22.58 | 22.68 | 17.52 | 131.47 | 30.07 | 22.79 |
| April | 35.48 | 23.71 | 29.6 | 29.61 | 28.41 | 35.03 | 30.03 | 25.9 | 74.63 | 112.64 | 187.02 | 29.91 | 23.22 |
| May | 34.74 | 26.06 | 30.40 | 31.74 | 30.47 | 29.54 | 29.38 | 26.80 | 81.80 | 138.62 | 139.94 | 29.87 | 23.00 |
| June | 32.75 | 26.63 | 29.69 | 31.61 | 30.06 | 29.7 | 29.23 | 27.06 | 84.33 | 322.33 | 97.19 | 29.82 | 23.00 |
| July | 33.06 | 27.22 | 30.14 | 32.11 | 30.62 | 30.40 | 18.29 | 17.35 | 85.19 | 229.69 | 103.91 | 14.38 | 22.84 |
| August | 31.75 | 26.90 | 29.33 | 29.77 | 28.98 | 28.58 | 29.0 | 26.87 | 83.96 | 420.05 | 84.57 | 0.00 | - |
| September | 32.7 | 26.76 | 29.73 | 30.23 | 29.48 | 29.36 | 29.3 | 27.0 | 79.2 | 132.0 | 100.25 | 0.00 | - |
| October | 31.11 | 23.58 | 27.34 | 30.89 | 29.22 | 28.61 | 28.06 | 25.83 | 83 | 48.68 | 90.15 | 0.00 | - |
| November | 29.85 | 17.6 | 23.72 | 25.78 | 24.08 | 23.64 | 24.6 | 22.3 | 81.2 | 0.00 | 62.77 | 0.00 | - |
| December | 24.63 | 11.53 | 18.08 | 21.5 | 20.6 | 19.95 | 16.93 | 15.66 | 86.4 | 0.00 | 18.74 | 0.00 | - |
| Ave./total | 30.47 | 21.19 | 25.83 | 27.33 | 26.18 | 26.27 | 24.48 | 22.50 | 77.20 | 1462.26 | 1115.32 | 16.19 | 22.65 |

\*Monthly total, \*\*Monthly average

**WEATHER STATION**

**Department of Agricultural Engineering**

**Records of Climatological Observations (Yearly)**

 **Location: BSMRAU Campus Year: 2007-2015**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Year | \*\*Air Temperature (oC) | \*\*Soil Temperature (oC), Depth | \*\*Dry/Wet bulb Temp. (o C) 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) |
| 2007 | 29.08 | 25.64 | 27.68 | 27.42 | 27.68 | 48.28 | - | - | 87.46 | 1520.7 | 1041.3 | - | - |
| 2008 | 27.44 | 24.29 | 22.87 | 25.28 | 25.67 | 25.8 | - | - | 82.475 | 1306.5 | 1162.5 | - | - |
| 2009 | 28.61 | 23.65 | 26.12 | 25.71 | 26.23 | 26.62 | - | - | 85.00 | 1815.00 | 1094.10 | - | 16.70 |
| 2010 | 29.46 | 24.81 | 27.14 | 26.73 | 27.62 | 27.61 | - | - | 85.34 | 1579.77 | 919.88 | - | 17.93 |
| 2011 | 29.5 | 23.3 | 26.4 | 26.0 | 26.4 | 26.7 | - | - | 86.4 | 1684.8 | 936.58 | - | 18.96 |
| 2012 | 30.3 | 21.1 | 25.7 | 25.8 | 26.2 | 26.6 | - | - | 85.90 | 1220.11 | 1087.27 | - | 20.22 |
| 2013 | 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 |
| 2014 | 30.47 | 21.19 | 25.83 | 27.33 | 26.18 | 26.27 | 24.48 | 22.50 | 77.20 | 1462.26 | 1115.32 | 16.19 | 22.65 |
| 2015 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Total | -- | -- | -- | -- | -- | -- | -- | -- | -- | 12176.1 | 8491.88 | -- | -- |
| Average | 29.41 | 23.13 | 25.93 | 26.46 | 26.55 | 29.28 | 25.94 | 23.87 | 83.77 | -- | -- | 23.02 | 19.65 |

\*Yearly total, \*\*Yearly average