

| Datum  | Lufttemperatur |      |      | Global-<br>strahl.   | Nieder-<br>schlag | RelativeLuftfeuchte |        | Bodentemperatur |      |             |              | Potentielle<br>Evapotransp.* |
|--------|----------------|------|------|----------------------|-------------------|---------------------|--------|-----------------|------|-------------|--------------|------------------------------|
|        | Mittel         | Min. | Max. |                      |                   | Max.                | Mittel | Mittel          | 20cm | 5cm         | Minimum      |                              |
|        | [°C]           | [°C] | [°C] | [J/cm <sup>2</sup> ] | [mm]              | [%]                 | [%]    | 5cm<br>[°C]     | [°C] | 5cm<br>[°C] | 20cm<br>[°C] | [mm]                         |
| 01.05. | 10.1           | 3.4  | 16.1 | 2690                 | 0.0               | 97.0                | 58.9   | 14.3            | 13.2 | 11.1        | 12.4         | 4.7                          |
| 02.05. | 7.0            | 2.9  | 9.5  | 979                  | 0.0               | 99.2                | 82.3   | 12.3            | 12.5 | 10.9        | 12.0         | 1.8                          |
| 03.05. | 6.6            | 0.5  | 11.9 | 2210                 | 0.8               | 99.2                | 65.1   | 11.7            | 11.5 | 9.9         | 11.0         | 3.5                          |
| 04.05. | 6.8            | -0.1 | 12.2 | 1558                 | 0.0               | 97.3                | 69.6   | 11.0            | 11.0 | 8.4         | 10.4         | 2.6                          |
| 05.05. | 8.7            | -1.4 | 15.7 | 2604                 | 0.0               | 99.2                | 57.7   | 12.4            | 11.2 | 8.2         | 10.2         | 4.4                          |
| 06.05. | 12.6           | 1.2  | 21.5 | 2640                 | 0.0               | 99.2                | 56.0   | 13.6            | 11.9 | 9.0         | 10.8         | 5.0                          |
| 07.05. | 15.3           | 4.2  | 23.4 | 2728                 | 0.0               | 99.2                | 53.2   | 14.9            | 13.0 | 10.7        | 12.0         | 5.5                          |
| 08.05. | 14.9           | 5.3  | 21.9 | 2686                 | 0.0               | 96.1                | 60.5   | 15.8            | 13.8 | 11.3        | 12.8         | 5.4                          |
| 09.05. | 15.7           | 5.6  | 23.1 | 2762                 | 0.0               | 99.3                | 55.1   | 16.2            | 14.4 | 12.2        | 13.5         | 5.7                          |
| 10.05. | 17.2           | 5.5  | 26.0 | 2568                 | 0.0               | 91.8                | 52.8   | 17.0            | 14.9 | 12.6        | 13.9         | 5.5                          |
| 11.05. | 17.7           | 8.5  | 25.3 | 2194                 | 0.0               | 98.9                | 70.1   | 18.2            | 15.7 | 14.3        | 14.8         | 4.8                          |
| 12.05. | 16.4           | 10.7 | 22.6 | 1386                 | 2.3               | 99.4                | 82.1   | 17.7            | 16.0 | 15.6        | 15.5         | 3.1                          |
| 13.05. | 13.4           | 7.6  | 19.5 | 2019                 | 0.0               | 99.3                | 71.4   | 16.7            | 15.4 | 13.9        | 14.8         | 4.0                          |
| 14.05. | 13.6           | 6.7  | 21.3 | 1726                 | 2.8               | 99.3                | 78.2   | 16.3            | 14.9 | 13.3        | 14.2         | 3.5                          |
| 15.05. | 11.1           | 6.2  | 16.5 | 2078                 | 0.3               | 99.3                | 74.8   | 15.3            | 14.5 | 12.8        | 13.9         | 3.8                          |
| 16.05. | 11.5           | 7.7  | 14.5 | 1103                 | 1.9               | 99.3                | 86.2   | 14.2            | 13.8 | 12.8        | 13.4         | 2.2                          |
| 17.05. | 14.6           | 11.2 | 18.0 | 1319                 | 0.0               | 99.3                | 85.3   | 15.0            | 13.6 | 13.4        | 13.2         | 2.8                          |
| 18.05. | 16.6           | 7.8  | 25.2 | 2708                 | 0.0               | 99.3                | 69.6   | 16.8            | 14.4 | 12.8        | 13.3         | 5.7                          |
| 19.05. | 17.5           | 9.6  | 26.1 | 2306                 | 10.4              | 99.1                | 73.4   | 17.8            | 15.5 | 14.3        | 14.6         | 5.0                          |
| 20.05. | 16.8           | 12.3 | 23.5 | 1884                 | 0.0               | 99.1                | 87.7   | 18.5            | 16.3 | 15.8        | 15.4         | 4.1                          |
| 21.05. | 17.2           | 12.0 | 22.4 | 2155                 | 4.2               | 99.4                | 86.3   | 18.4            | 16.6 | 15.5        | 15.7         | 4.7                          |
| 22.05. | 18.9           | 12.2 | 25.7 | 2257                 | 0.0               | 99.4                | 75.6   | 20.2            | 17.4 | 15.8        | 16.1         | 5.1                          |
| 23.05. | 16.1           | 10.3 | 21.7 | 2764                 | 0.0               | 97.4                | 66.2   | 19.7            | 17.8 | 16.0        | 16.8         | 5.7                          |
| 24.05. | 15.7           | 7.8  | 23.7 | 2681                 | 0.0               | 98.9                | 61.2   | 19.1            | 17.6 | 15.1        | 16.6         | 5.5                          |
| 25.05. | 13.4           | 3.5  | 20.5 | 2871                 | 0.0               | 97.9                | 52.0   | 18.2            | 17.1 | 13.8        | 16.0         | 5.5                          |
| 26.05. | 17.3           | 6.1  | 27.1 | 2327                 | 0.4               | 98.1                | 65.6   | 18.5            | 17.0 | 13.9        | 15.9         | 5.0                          |
| 27.05. | 15.2           | 10.6 | 18.9 | 1948                 | 0.0               | 94.0                | 64.5   | 18.1            | 17.0 | 15.9        | 16.5         | 4.1                          |
| 28.05. | 14.0           | 6.4  | 19.8 | 2332                 | 0.0               | 99.3                | 63.7   | 17.9            | 16.6 | 14.6        | 15.7         | 4.6                          |
| 29.05. | 18.5           | 12.6 | 24.7 | 2347                 | 0.0               | 80.9                | 53.6   | 18.4            | 16.8 | 16.0        | 16.2         | 5.2                          |
| 30.05. | 21.3           | 10.5 | 28.6 | 2935                 | 0.0               | 97.2                | 56.8   | 20.3            | 17.8 | 16.1        | 16.6         | 6.9                          |
| 31.05. | 19.4           | 13.5 | 28.6 | 1488                 | 1.2               | 99.4                | 79.5   | 20.7            | 18.8 | 17.9        | 18.0         | 3.5                          |

|                            | Aktuell                  | Langj. Mittel            | Differenz               |
|----------------------------|--------------------------|--------------------------|-------------------------|
| Monat: Mittlere Temperatur | 14.6 °C                  | 13.2 °C                  | 1.4 K                   |
| Niederschlagssumme         | 24.3 mm                  | 51.8 mm                  | -27.5 mm                |
| Mittlere Luftfeuchte       | 68.2 %                   | 71.3 %                   | -3.1 %                  |
| Globalstrahlung            | 68249 J/cm <sup>2</sup>  | 51361 J/cm <sup>2</sup>  | 16888 J/cm <sup>2</sup> |
| Potentielle Evapotransp.   | 139.0 mm                 | 104.2 mm                 | 34.8 mm                 |
| Jahr: Mittlere Temperatur  | 7.0 °C                   | 5.2 °C                   | 1.8 K                   |
| Niederschlagssumme         | 94.9 mm                  | 166.7 mm                 | -71.8 mm                |
| Mittlere Luftfeuchte       | 78.3 %                   | 77.7 %                   | 0.6 %                   |
| Globalstrahlung            | 181536 J/cm <sup>2</sup> | 133763 J/cm <sup>2</sup> | 47773 J/cm <sup>2</sup> |
| Potentielle Evapotransp.   | 340.1 mm                 | 249.2 mm                 | 90.9 mm                 |

| Fruchtart<br>(im lfd.Jahr) | Aktuelle Evapotranspiration * |  | Umsatzaktivität (WMZ) * ab 01.01. |                |   |
|----------------------------|-------------------------------|--|-----------------------------------|----------------|---|
|                            | Aktuell                       |  | Aktuell                           | Langj.Mittel : |   |
| Winterweizen               | 85.2 mm                       |  | 11.5 d                            | 8.1            | d |
| Zuckerrüben                | 63.5 mm                       |  | 11.4 d                            |                |   |
| Sommergerste               | 70.4 mm                       |  | 11.6 d                            |                |   |
| Kartoffeln                 | 41.4 mm                       |  | 11.9 d                            |                |   |

(\* berechnet mit dem Modell CANDY für das  
Meßfeld in Bad Lauchstädt)