







Crop Weather Calendar of Mango: Rajshahi Region (Districts: Rajshahi, Chapainawabganj, Naogaon and Natore) Bangladesh

| Region: Rajshahi | Mango | | | | | | | | | | | | | | | | | | | | Duration: 160-165 days | | | | | |
|------------------|---|------|------|---|------|------|------|---|------|------|------|--|------|------|------|---|------|------|------|---|------------------------|------|------|------|------|--|
| Months | January | | | February | | | | March | | | | April | | | | May | | | | June | | | | July | | |
| Std.Week/Normal | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | |
| Rainfall (mm) | 1.0 | 2.0 | 1.0 | 4.0 | 3.0 | 2.0 | 3.0 | 5.0 | 4.0 | 3.0 | 4.0 | 14.0 | 13.0 | 10.0 | 19.0 | 17.0 | 24.0 | 29.0 | 33.0 | 36.0 | 34.0 | 48.0 | 51.0 | 78.0 | 72.0 | |
| Max. Temp. (°C) | 23.9 | 24.0 | 24.9 | 25.6 | 26.7 | 28.1 | 29.3 | 30.4 | 32.1 | 33.1 | 34.6 | 35.0 | 36.1 | 36.7 | 36.4 | 35.9 | 35.4 | 35.3 | 35.1 | 35.0 | 35.3 | 35.0 | 33.9 | 33.1 | 33.0 | |
| Min. Temp. (°C) | 10.9 | 10.9 | 10.9 | 12.0 | 12.3 | 13.6 | 14.1 | 15.1 | 16.4 | 17.6 | 19.4 | 20.6 | 22.1 | 23.0 | 23.4 | 23.9 | 23.7 | 24.3 | 24.6 | 25.0 | 25.4 | 25.9 | 26.0 | 26.0 | 26.0 | |
| Mean Temp. (°C) | 17.4 | 17.5 | 17.9 | 18.8 | 19.5 | 20.9 | 21.7 | 22.8 | 24.3 | 25.4 | 27.0 | 27.8 | 29.1 | 29.9 | 29.9 | 29.9 | 29.6 | 29.8 | 29.9 | 30.0 | 30.4 | 30.5 | 30.0 | 29.6 | 29.5 | |
| RHmax (%) | 95.1 | 95.3 | 95.3 | 95.3 | 94.0 | 93.9 | 92.0 | 91.6 | 90.3 | 88.7 | 88.3 | 89.1 | 88.9 | 89.0 | 90.1 | 90.7 | 92.1 | 92.7 | 93.3 | 93.1 | 93.7 | 94.6 | 95.4 | 96.1 | 96.6 | |
| RHMin (%) | 48.4 | 47.9 | 45.7 | 44.7 | 42.0 | 40.3 | 36.6 | 34.6 | 32.7 | 30.4 | 30.4 | 35.9 | 34.3 | 34.6 | 41.4 | 45.1 | 50.0 | 51.9 | 55.6 | 58.3 | 58.9 | 62.6 | 67.9 | 71.1 | 73.4 | |
| RHmean (%) | 71.8 | 71.6 | 70.5 | 70.0 | 68.0 | 67.1 | 64.3 | 63.1 | 61.5 | 59.6 | 59.4 | 62.5 | 61.6 | 61.8 | 65.8 | 67.9 | 71.1 | 72.3 | 74.5 | 75.7 | 76.3 | 78.6 | 81.7 | 83.6 | 85.0 | |
| SShr (hrs) | 42.0 | 46.0 | 52.0 | 51.0 | 55.0 | 56.0 | 58.0 | 59.0 | 59.0 | 59.0 | 59.0 | 52.0 | 57.0 | 57.0 | 57.0 | 56.0 | 52.0 | 53.0 | 54.0 | 48.0 | 51.0 | 48.0 | 35.0 | 31.0 | 31.0 | |
| WD (deg) | 161 | 174 | 196 | 198 | 195 | 197 | 215 | 209 | 220 | 214 | 208 | 186 | 185 | 174 | 167 | 147 | 136 | 136 | 135 | 126 | 133 | 139 | 129 | 127 | 132 | |
| WS(Km/hr) | 3.7 | 3.7 | 4.4 | 3.9 | 5.0 | 3.9 | 5.0 | 5.0 | 5.4 | 5.4 | 5.6 | 5.6 | 6.1 | 5.7 | 7.2 | 7.4 | 7.4 | 7.2 | 7.2 | 7.2 | 7.2 | 6.7 | 6.7 | 6.8 | 6.8 | |
| Stages |  | | |  | | | |  | | | |  | | | |  | | | |  | | | | | | |
| | Swelling of apical buds | | | Panicle elongation | | | | Panicle growth & flowering | | | | Pea stage | | | | Fruit development /Fruit growing stage | | | | Maturity/Ripening/Harvesting stage | | | | | | |

| Congenial Weather Condition for Diseases | | | | | | |
|---|---|--|--|---|--|--|
| Anthraco nose | | | | | | Average temp. 20 to 30°C , free water or RH above 95% |
| Powdery mildew | | | | Warm days and cool nights, moderate temperatures (20-30° C) and shade or low light intensities as well as high RH above 95% | | |
| Fruit rot | | | | | | High humidity, high soil moisture, cloudiness and low temperatures (below 24°C) for few days |
| Malformation (fungus fusarium) | | | High temperat ures and warm moist soils | | | |
| Dieback | High humidity, high soil moisture, cloudiness and low temperatures below 24°C) for few days | | | | | |

| Congenial weather for insect-pests | | | | |
|---|--------------------------|--------------------------|--------------------------|--------------------------|
| Mango hopper | Temperature: 11.0-27.7°C | | Temperature: 22.7-35.7°C | Temperature: 26.0-33.4°C |
| Mango fruit fly | | | Temperature: 22.7-35.7°C | |
| Mango fruit weevil | Temperature: 11.0-27.7°C | Temperature: 13.1-33.1°C | Temperature: 22.7-35.7°C | Temperature: 26.0-33.4°C |
| Mango defoliator | Temperature: 11.0-27.7°C | Temperature: 13.1-33.1°C | Temperature: 22.7-35.7°C | Temperature: 26.0-33.4°C |
| Mango leaf cutting weevil | | | Temperature: 13.5-35.7°C | |

| Weather Warning | | | | |
|--------------------------|--|--|--|---|
| Rainfall | | | > 3 mm | > 44 mm |
| Cloudy Weather | | | Cloudy Weather | Cloudy Weather |
| Relative Humidity | | | Maximum Humidity > 92% Minimum Humidity < 40% | Maximum Humidity > 95% Minimum Humidity < 72% |
| Hail storm | | | Hail storm | Hail storm |
| High wind | | | > 20 km/hr | > 20 km/hr |
| Temperature | | | Max. Temp. > 34 °C and Min. Temp. < 20 °C | Max. Temp. > 35 °C and Min. Temp. < 26 °C |