







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

| Region: Rajshahi | Maize (kharif-1) | | | | | | | | | | | | Duration: 112 days | | | | |
|---------------------|---|--|---|------|-------|------|------|------|--|--|------|---------------|--|------|------------------------|------|--|
| Months | March | | | | April | | | | May | | | | June | | | | |
| Std.Week/Normal | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | |
| Rainfall (mm) | 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 | |
| Max. Temp. (°C) | 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 | |
| Min. Temp. (°C) | 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 | |
| Mean Temp. (°C) | 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 | |
| RHmax (%) | 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 | |
| RHMin (%) | 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 | |
| RHmean (%) | 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 | |
| SShr (hrs) | 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 | |
| WD (deg) | 209 | 220 | 214 | 208 | 186 | 185 | 174 | 167 | 147 | 136 | 136 | 135 | 126 | 133 | 139 | 129 | |
| WS(Km/hr) | 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 | |
| |  |  |  | | | | | |  |  | | |  | | | | |
| | sowing | Germination | Vegetative Growth | | | | | | Silking & Tasseling | | | Cob Formation | | | Maturity to Harvesting | | |

| Favorable Weather Conditions | | | | | |
|--|--------------------------------|-----------------|--|----------|----------|
| Temperature | At least 10° C for germination | | | 22-25° C | 23-27° C |
| Light Intensity | | ≤200% of normal | | | |
| Relative Humidity | | High | | | |
| Soil Temperature | | Above 16° C | | | |
| Normal phase wise water requirement (mm) | 76 | 120 | | 190 | 145 |
| | | | | 145 | 100 |

| Congenial Weather Condition for Pests & Diseases | | | | | |
|--|---|--|--|--|--|
| Fall Army worm | A threshold temperature of 10.9°C and 559 day-degrees C is required for development. Sandy-clay or clay-sand soils are suitable for pupation and adult emergence. Emergence in sandy-clay and clay-sand soils was directly proportional to temperature and inversely proportional to humidity. Above 30°C the wings of adults tend to be deformed. Pupae require a threshold temperature of 14.6°C and 138 day-degrees C to complete their development. | | | | |
| Seed Rot | A threshold temperature of 10.9°C and 559 day-degrees C is required for development. Sandy-clay or clay-sand soils are suitable for pupation. | | | | |

| Weather Warning | | | | | |
|-----------------------|--|----------------------------|----------------------------|----------------------------|--|
| Rain | | >50 mm/day | >100 mm/day | >50 mm/day | |
| Duration of wet spell | | >25 mm for 3 days | >50 mm for 4 days | 20 mm for 4 days | |
| Cloudy weather | | | Cloudy weather | Cloudy weather | |
| High wind | | >50 km/hr | >40 km/hr | >30 km/hr | |
| Temperature | | Minimum Temperature <10° C | Minimum Temperature <10° C | Minimum Temperature <10° C | |