







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

| Region: Rajshahi | Maize (Rabi) | | | | | | | | | | | Duration: 112 days | | | | |
|---------------------|---|---|--|----------|------|------|------|---|------|------|------|---|------|------|---|------|
| Months | November | | | December | | | | January | | | | February | | | | Mar |
| Std.Week/Normal | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| Rainfall (mm) | 1.3 | 1.1 | 1 | 1 | 1 | 1 | 1.1 | 1.0 | 1.0 | 2.0 | 1.0 | 4.0 | 3.0 | 2.0 | 3.0 | 5.0 |
| Max. Temp. (°C) | 29.6 | 28.9 | 28.3 | 27.0 | 26.0 | 25.4 | 24.4 | 24.0 | 23.9 | 24.0 | 24.9 | 25.6 | 26.7 | 28.1 | 29.3 | 30.4 |
| Min. Temp. (°C) | 17.6 | 16.6 | 15.0 | 14.0 | 13.1 | 12.4 | 11.6 | 11.0 | 10.9 | 10.9 | 10.9 | 12.0 | 12.3 | 13.6 | 14.1 | 15.1 |
| Mean Temp. (°C) | 23.6 | 22.8 | 21.7 | 20.5 | 19.6 | 18.9 | 18.0 | 17.5 | 17.4 | 17.5 | 17.9 | 18.8 | 19.5 | 20.9 | 21.7 | 22.8 |
| RHmax (%) | 95.7 | 95.3 | 94.7 | 94.7 | 95.9 | 95.3 | 95.7 | 95.6 | 95.1 | 95.3 | 95.3 | 95.3 | 94.0 | 93.9 | 92.0 | 91.6 |
| RHMin (%) | 49.4 | 47.4 | 45.6 | 46.9 | 50.1 | 50.0 | 50.0 | 50.1 | 48.4 | 47.9 | 45.7 | 44.7 | 42.0 | 40.3 | 36.6 | 34.6 |
| RHmean (%) | 72.6 | 71.4 | 70.2 | 70.8 | 73.0 | 72.7 | 72.9 | 72.9 | 71.8 | 71.6 | 70.5 | 70.0 | 68.0 | 67.1 | 64.3 | 63.1 |
| SShr (hrs) | 54.0 | 55.0 | 55.0 | 51.0 | 47.0 | 46.0 | 44.0 | 42.0 | 42.0 | 46.0 | 52.0 | 51.0 | 55.0 | 56.0 | 58.0 | 59.0 |
| WD (deg) | 151 | 146 | 145 | 143 | 146 | 144 | 167 | 146 | 161 | 174 | 196 | 198 | 195 | 197 | 215 | 209 |
| WS(Km/hr) | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 3.9 | 3.7 | 3.7 | 4.4 | 3.9 | 5.0 | 3.9 | 5.0 | 5.0 |
| |  |  |  | | | | |  | | | |  | | |  | |
| | 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 | |