



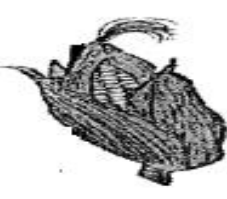



Crop Weather Calendar of Maize: Dhaka Region (Districts: Dhaka, Tangail, Gazipur, Narsingdi, Narayanganj, Munshiganj, Manikgonj) **Bangladesh**

| Region: Dhaka | Maize (Rabi) | | | | | | | | | | | Duration: 112 days | | | | |
|------------------|---|--|---|------|------|------|--|------|------|------|--|--------------------|------|------|--|------|
| Months | October | | November | | | | December | | | | January | | | | February | |
| Std. Week/Normal | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 1 | 2 | 3 | 4 | 5 | 6 |
| Rainfall (mm) | 26.0 | 12.5 | 10.0 | 6.0 | 1.5 | 4.5 | 1.5 | 4.5 | 1.0 | 3.5 | 1.0 | 0.0 | 0.0 | 0.5 | 3.5 | 3.5 |
| Max. Temp. (°C) | 31.5 | 30.9 | 30.6 | 29.8 | 29.0 | 28.3 | 27.6 | 26.2 | 25.5 | 24.8 | 24.0 | 23.9 | 24.5 | 25.0 | 26.2 | 27.2 |
| Min. Temp. (°C) | 22.3 | 21.5 | 20.5 | 18.7 | 17.7 | 16.1 | 15.5 | 14.7 | 13.5 | 12.9 | 12.4 | 12.0 | 12.0 | 12.1 | 13.6 | 14.3 |
| Mean Temp. (°C) | 26.9 | 26.2 | 25.5 | 24.3 | 23.3 | 22.2 | 21.5 | 20.5 | 19.5 | 18.8 | 18.2 | 17.9 | 18.3 | 18.6 | 19.9 | 20.7 |
| RHmax (%) | 94.8 | 94.5 | 95.0 | 94.7 | 94.6 | 94.3 | 94.8 | 95.3 | 95.1 | 95.0 | 94.6 | 94.3 | 93.8 | 93.4 | 92.4 | 92.1 |
| RHMin (%) | 55.5 | 54.6 | 51.5 | 49.3 | 47.5 | 46.3 | 47.6 | 49.4 | 49.8 | 49.1 | 50.3 | 48.8 | 46.2 | 43.3 | 42.3 | 39.4 |
| RHmean (%) | 75.2 | 74.6 | 73.2 | 72.0 | 71.0 | 70.3 | 71.2 | 72.3 | 72.5 | 72.1 | 72.4 | 71.6 | 70.0 | 68.3 | 67.3 | 65.7 |
| SShr (hrs) | 54.0 | 49.5 | 51.5 | 51.5 | 52.0 | 51.5 | 48.5 | 46.5 | 44.5 | 44.5 | 42.5 | 42.5 | 45.0 | 49.0 | 49.5 | 51.5 |
| WD (deg) | 190 | 190 | 189 | 199 | 212 | 211 | 219 | 224 | 225 | 233 | 238 | 238 | 232 | 242 | 241 | 236 |
| WS(Km/hr) | 3.8 | 3.7 | 3.7 | 3.7 | 3.7 | 3.6 | 3.7 | 3.7 | 3.7 | 3.7 | 4.1 | 4.0 | 4.1 | 4.3 | 4.3 | 4.5 |
| |  |  |  | | | |  | | | |  | | | |  | |
| | 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 |