







Crop Weather Calendar of Maize: Mymensingh Region (Districts: Mymensingh, Kishoregonj, Jamalpur, Netrokona, Sherpur) Bangladesh

| Region: Mymensingh | Maize (kharif-1) | | | | | | | | | | | Duration: 112 days | | | | | |
|---|---|---|--|------|------|---------------------------|------|---|-------|------|---------------------------|---|---------|------|---|---------|--|
| Months | April | | May | | | | June | | | | | July | | | August | | |
| Std.Week/Normal | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | |
| Rainfall (mm) | 40.0 | 36.0 | 55.0 | 62.0 | 69.0 | 97.0 | 81.0 | 96.0 | 103.0 | 98.0 | 85.0 | 109.0 | 99.0 | 89.0 | 100.0 | 72.0 | |
| Max. Temp. (°C) | 32.0 | 31.7 | 31.6 | 31.9 | 32.3 | 32.0 | 32.0 | 32.0 | 31.7 | 31.4 | 31.0 | 31.1 | 31.3 | 31.3 | 31.1 | 32.0 | |
| Min. Temp. (°C) | 22.9 | 22.9 | 22.9 | 23.6 | 24.0 | 24.3 | 25.0 | 25.6 | 25.7 | 26.0 | 26.0 | 26.0 | 26.0 | 26.0 | 26.0 | 26.1 | |
| Mean Temp. (°C) | 27.5 | 27.3 | 27.3 | 27.8 | 28.2 | 28.2 | 28.5 | 28.8 | 28.7 | 28.7 | 28.5 | 28.6 | 28.7 | 28.7 | 28.6 | 29.1 | |
| RHmax (%) | 91.1 | 91.3 | 92.4 | 92.6 | 92.7 | 92.7 | 94 | 94.1 | 94.7 | 95 | 94.7 | 95 | 94.6 | 94.6 | 94.9 | 94.7 | |
| RHMin (%) | 61.1 | 62.6 | 64.6 | 66 | 66.4 | 69.4 | 71.9 | 73 | 75.4 | 76.6 | 77.7 | 77.6 | 77 | 76.6 | 76.4 | 74.6 | |
| RHmean (%) | 76.1 | 77.0 | 78.5 | 79.3 | 79.6 | 81.1 | 83.0 | 83.6 | 85.1 | 85.8 | 86.2 | 86.3 | 85.8 | 85.6 | 85.7 | 84.7 | |
| SShr (hrs) | 49.0 | 46.0 | 44.0 | 44.0 | 45.0 | 39.0 | 36.0 | 34.0 | 26.0 | 25.0 | 23.0 | 24.0 | 24.0 | 25.0 | 30.0 | 33.0 | |
| WD (deg) | 143 | 128 | 126 | 134 | 131 | 126 | 130 | 142 | 138 | 143 | 144 | 156 | 152 | 152 | 151 | 153 | |
| WS(Km/hr) | 7.2 | 7.6 | 7.4 | 6.8 | 7.4 | 7.4 | 6.8 | 6.1 | 7.4 | 6.8 | 7.2 | 7.2 | 6.8 | 7.2 | 6.1 | 6.1 | |
| |  |  |  | | | | |  | | | |  | | |  | | |
| | 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 | | | 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 | | | | | | |