





Crop Weather Calendar of Jute: Khulna Region (Districts: Khulna, Satkhira, Bagerhat and Narail) Bangladesh

| Region: | Jute | | | | | | | | | | Duration: 110-120 days | | | | | | |
|-----------------|---|------|---|------|--|------|------|------|------|------|------------------------|------|---|------|------|------|------|
| Months | April | | | | May | | | | | | June | | July | | | | |
| Std.Week/Normal | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 |
| Rainfall (mm) | 12.5 | 12.5 | 17.5 | 25.0 | 31.5 | 32.5 | 37.0 | 47.5 | 50.0 | 52.0 | 77.5 | 79.0 | 93.5 | 92.0 | 74.5 | 94.0 | 76.5 |
| Max. Temp. (°C) | 35.0 | 35.2 | 35.2 | 35.2 | 35.1 | 35.2 | 35.3 | 35.1 | 35.0 | 34.7 | 33.4 | 32.7 | 32.3 | 32.0 | 32.1 | 31.8 | 32.1 |
| Min. Temp. (°C) | 24.0 | 24.3 | 24.9 | 25.0 | 25.0 | 25.3 | 25.8 | 26.0 | 26.4 | 26.8 | 26.2 | 26.3 | 26.1 | 26.0 | 26.2 | 26.1 | 26.1 |
| Mean Temp. (°C) | 29.5 | 29.8 | 30.1 | 30.1 | 30.0 | 30.2 | 30.6 | 30.5 | 30.7 | 30.7 | 29.8 | 29.5 | 29.2 | 29.0 | 29.1 | 28.9 | 29.1 |
| RHmax (%) | 94.3 | 93.7 | 93.3 | 93.2 | 93.0 | 93.1 | 93.4 | 93.7 | 93.9 | 94.2 | 95.1 | 95.7 | 95.8 | 96.0 | 95.5 | 95.9 | 95.8 |
| RHMin (%) | 48.8 | 49.2 | 52.4 | 53.7 | 55.3 | 57.4 | 57.9 | 60.7 | 62.0 | 64.9 | 70.2 | 73.3 | 75.1 | 75.5 | 74.6 | 77.0 | 75.5 |
| RHmean (%) | 71.5 | 71.4 | 72.8 | 73.4 | 74.1 | 75.2 | 75.7 | 77.2 | 77.9 | 79.5 | 82.6 | 84.5 | 85.4 | 85.7 | 85.1 | 86.4 | 85.6 |
| SShr (hrs) | 59.0 | 60.0 | 61.5 | 58.0 | 59.5 | 56.5 | 55.0 | 47.0 | 50.0 | 41.5 | 29.5 | 23.5 | 25.0 | 21.5 | 27.0 | 24.5 | 29.0 |
| WD (deg) | 202 | 196 | 192 | 186 | 186 | 183 | 177 | 180 | 184 | 178 | 170 | 175 | 179 | 186 | 175 | 175 | 179 |
| WS(Km/hr) | 7.1 | 7.6 | 7.6 | 8.0 | 7.5 | 7.5 | 7.1 | 7.2 | 7.3 | 6.7 | 6.8 | 6.8 | 6.8 | 5.6 | 5.6 | 6.6 | 6.2 |
| Steps |  | |  | |  | | | | | | | |  | | | | |
| | Germination to Emergence | | Seedling | | Vegetative | | | | | | | | Maturity to Harvesting | | | | |

| Favorable Weather Conditions | | | |
|--|---------------------|---------|-------|
| Temperature(°C) | 15-25°C | 18-35°C | |
| Photo period(hr) | 4.0-8.5 hr | | |
| Relative Humidity(%) | 70-90% | | |
| Rain fall(mm) | Around 1000-1500 mm | | |
| Normal phase wise water requirement (mm) | 210 mm | 310 mm | |
| | | | 95 mm |

| Favorable Weather Conditions | | | |
|------------------------------|---|--------------------------|--|
| Stem rot | | | Temp. 15-40°C, warm and dry weather |
| Blank band | | | Temperature 25-28°C |
| Leaf mosaic | | | Temp. 20-30°C and RH around 80% (for vector-white fly) |
| Seedling blight | | Higher soil temperatures | |
| Root knot | | | High temperature and prolong water logging |
| Field Cricket | Loamy and sandy-loam soil. dry weather and temperature 27-32°C. | | Stem rot, Seedling blight, Blackband, Root knot |
| Hairy Caterpillar | | | High temperature, high humidity and cloudy weather |
| Jute Semi-loper | | | RH 65-85%, Temp 28-34°C and rainfall 20mm-100 mm |
| Jute Yellow mite | | Dry and hot weather | Dry and hot weather |

| Weather Warning | | | |
|-----------------------|------------------------------------|---------------------------------------|------------------|
| Rainfall(mm) | <1000 mm | | |
| RH (%) | <60% | | |
| Water logging | | water logging | |
| Duration of wet spell | | >15mm for 19days | >15mm for 19days |
| Drought | | | 15-20 days |
| Hail Storm | Hail storm | | Hail storm |
| Cloudy weather | | | Cloudy weather |
| High wind(Km/Hr) | | 50KM/HR | 40KM/HR |
| Temperature | Min. temp<10°C and max. temp >32°C | Min. Temp. <15°C and max. Temp. >43°C | |