


**Crop Weather Calendar of Jute: Jashore Region** (Districts: Jashore, Kushtia, Chuadanga, Jhenaidah, Meherpur, Magura) **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)   | 11.5   | 7.0      | 12.5 | 21.5 | 28.5       | 30.5 | 36.0 | 44.5 | 38.5 | 49.5 | 54.5                   | 81.0 | 72.5 | 82.0 | 72.0                   | 83.5 | 73.0 |
| Max. Temp. (°C) | 35.5   | 36.1     | 36.5 | 36.3 | 36.0       | 36.0 | 35.9 | 35.5 | 35.6 | 35.3 | 34.0                   | 33.3 | 33.0 | 32.7 | 32.9                   | 32.7 | 32.7 |
| Min. Temp. (°C) | 22.8   | 23.5     | 24.1 | 24.2 | 24.2       | 25.2 | 25.0 | 25.5 | 26.0 | 26.2 | 26.2                   | 26.1 | 26.2 | 26.0 | 26.1                   | 26.2 | 26.2 |
| Mean Temp. (°C) | 29.2   | 29.8     | 30.3 | 30.3 | 30.1       | 30.6 | 30.4 | 30.5 | 30.8 | 30.7 | 30.1                   | 29.7 | 29.6 | 29.4 | 29.5                   | 29.5 | 29.4 |
| RHmax (%)       | 92.4   | 92.9     | 92.4 | 92.3 | 92.8       | 92.7 | 93.1 | 93.6 | 94.0 | 94.1 | 94.8                   | 95.7 | 96.0 | 96.1 | 96.1                   | 96.1 | 96.1 |
| RHMin (%)       | 41.5   | 41.6     | 44.3 | 46.9 | 49.9       | 51.7 | 54.8 | 58.7 | 60.0 | 62.1 | 67.5                   | 71.7 | 73.5 | 74.4 | 73.4                   | 74.6 | 73.4 |
| RHmean (%)      | 66.9   | 67.2     | 68.3 | 69.6 | 71.3       | 72.2 | 74.0 | 76.1 | 77.0 | 78.1 | 81.1                   | 83.7 | 84.7 | 85.2 | 84.7                   | 85.3 | 84.7 |
| SShr (hrs)      | 55.5   | 54.5     | 54.5 | 55.5 | 54.0       | 51.5 | 52.5 | 46.5 | 45.5 | 41.5 | 32.0                   | 26.5 | 26.0 | 24.5 | 29.0                   | 25.0 | 29.5 |
| WD (deg)        | 209  | 204      | 193  | 188  | 186        | 186  | 180  | 181  | 180  | 183  | 174                    | 175  | 178  | 186  | 178                    | 180  | 177  |
| WS(Km/hr)       | 5.1  | 5.2      | 5.7  | 5.6  | 5.6        | 5.8  | 5.2  | 5.2  | 5.0  | 4.6  | 4.9                    | 4.6  | 4.6  | 4.4  | 4.3                    | 4.4  | 4.7  |
| Steps           |  |          |      |      |            |      |      |      |      |      |                        |      |      |      |                        |      |      |
|                 | Germination to Emergence   | Seedling |      |      | Vegetative |      |      |      |      |      |                        |      |      |      | Maturity to Harvesting |      |      |

| Favorable Weather Conditions             |                     |         |       |
|--|---------------------|---------|-------|
| Temperature(°C)                          | 15-25°C             | 18-35°C |       |
| Photo period(hr)                         | 4.0-7.5 hr          |         |       |
| Relative Humidity(%)                     | 60-90%              |         |       |
| 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                                    |
| Die back                     |   |                          | Temp. 15-40°C, warm and dry weather                    |
| Leaf mosaic                  |   |                          | Temp. 20-30°C and RH around 80% (for vector-white fly) |
| Seedling blight              |   | Higher soil temperatures |  |
| Root rot                     |   |                          | High temperature and prolong water logging             |
| Field Cricket                | Loamy and sandy-loam soil. dry weather and temperature 27-32°C. |                          |  |
| 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 |                  |