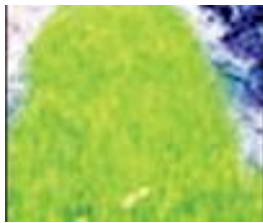








Crop Weather Calendar of Aus Rice: Dinajpur Region (Districts: Dinajpur, Thakurgaon and Panchaghar) Bangladesh

| Region: Dinajpur | Aus Rice | | | | | | | | | | | | | | | | Duration: 126 days | |
|---------------------|--|------|------|--|------|------|------|---|------|------|------|--|------|--|--|------|--|-------|
| Months | March | | | April | | | | May | | | | June | | | | July | | |
| Std.Week/Normal | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 |
| Rainfall (mm) | 4.0 | 2.0 | 7.0 | 8.0 | 8.0 | 25.0 | 23.0 | 31.0 | 36.0 | 57.0 | 55.0 | 73.0 | 57.0 | 77.0 | 111.0 | 96.0 | 109.0 | 105.0 |
| Max. Temp. (°C) | 31.1 | 32.0 | 32.1 | 33.0 | 33.4 | 33.0 | 32.4 | 32.3 | 32.9 | 33.0 | 33.0 | 33.4 | 33.3 | 33.0 | 32.3 | 32.4 | 32.0 | 32.1 |
| Min. Temp. (°C) | 17.1 | 18.6 | 19.7 | 20.4 | 21.1 | 22.0 | 22.0 | 22.3 | 22.9 | 23.6 | 24.0 | 24.4 | 25.0 | 25.1 | 25.6 | 26.0 | 26.0 | 26.0 |
| Mean Temp. (°C) | 24.1 | 25.3 | 25.9 | 26.7 | 17.3 | 27.5 | 27.2 | 27.3 | 27.9 | 28.3 | 28.5 | 28.9 | 29.2 | 29.1 | 29.0 | 29.2 | 29.0 | 29.1 |
| RHmax (%) | 87.6 | 86.0 | 87.1 | 86.6 | 87.4 | 89.4 | 91.1 | 92.3 | 92.0 | 92.1 | 92.4 | 92.7 | 93.4 | 93.9 | 94.7 | 94.4 | 95.1 | 94.6 |
| RHMin (%) | 35.1 | 36.4 | 43.3 | 40.9 | 43.4 | 50.9 | 53.7 | 57.6 | 57.3 | 59.3 | 62.4 | 62.3 | 65.4 | 67.7 | 71.4 | 71.6 | 73.3 | 72.7 |
| RHmean (%) | 61.4 | 61.2 | 65.2 | 63.8 | 65.4 | 70.2 | 72.4 | 75.0 | 74.7 | 75.7 | 77.4 | 77.5 | 79.4 | 80.8 | 83.1 | 83.0 | 84.2 | 83.7 |
| SShr (hrs) | 59.0 | 55.0 | 49.0 | 52.0 | 55.0 | 49.0 | 50.0 | 49.0 | 51.0 | 48.0 | 44.0 | 42.0 | 40.0 | 35.0 | 27.0 | 31.0 | 27.0 | 29.0 |
| WD (deg) | 212 | 192 | 170 | 171 | 150 | 142 | 123 | 118 | 115 | 119 | 108 | 117 | 111 | 118 | 120 | 121 | 127 | 121 |
| WS(Km/hr) | 5.4 | 5.6 | 5.0 | 5.6 | 4.8 | 4.8 | 5.4 | 3.9 | 3.7 | 4.3 | 3.7 | 3.9 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 |
| |  | | |  | | | |  | | | |  | |  |  | |  | |
| | Seedbed | | | Transplanting | | | | Tillering | | | | Heading | | Flow erin g | Grain Formation | | Maturity to Harvesting | |

| Favorable Weather Conditions | | | | | |
|--|--|-----|-------------------------|----------------------|----------------------|
| Temperature | At least 10 ^o C for germination | | | 22-25 ^o C | 23-27 ^o C |
| Light Intensity | | | ≤200% of normal | | |
| Relative Humidity | | | High | | |
| Soil Temperature | | | Above 16 ^o C | | |
| Normal phase wise water requirement (mm) | 76 | 120 | 190 | 145 | 100 |

| Congenial Weather Condition for Pests & Diseases | | | | | |
|--|---|---|---|---|--|
| Bacterial leaf blight (BLB) | Temperature 28-30 ^o C Relative Humidity 80-90%, Cloudiness, Rainfall >30mm | | | | |
| Sheath rot | | | Temperature 25-28 ^o C High Relative Humidity>90%, Cloudy weather | | |
| Sheath blight | | | Temperature 28-32 ^o C, high Relative Humidity, cloudy weather | | |
| Blast | Night temperature 16-20 ^o C, for 7.30 hours day temperature 25-30 ^o C, for 7.30 hours day night temperature >10 ^o C Relative Humidity >90%, Cloudy | | | | |
| Stem borer | | Minimum Temperature>20.3 ^o C Maximum Temperature:29.5-34.7 ^o C optimum Temperature:24-29 ^o C Higher morning Relative Humidity>84% Afternoon Relative Humidity 38.7% Dry weather | | | |
| Leaf roller | | Maximum Temperature:32-33 ^o C Relative Humidity 92-95% | | | |
| Rice bug | | | | Higher Maximum Temperature: 31.9 ^o C Morning Bright Sunshine Hours> 5.9 hrs Lower Minimum temperature less | |

| | | | | | |
|--------------------|--|---|--|---|--|
| | | | | than 22.10C Afternoon Relative Humidity less than 66.4% Dry, or intermittent rain | |
| Brown plant hopper | | High temperature >32 ⁰ C, high Relative Humidity:80-90%, drizzle, wet spell, rainfall less than 75mm | | | |

| 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 ⁰ C | Minimum Temperature <10 ⁰ C | Minimum Temperature <10 ⁰ C | |