








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

Region: Dinajpur	Aman Rice																Duration: 133 days							
	June				July				August				September				October							
	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41					
Std.Week/Normal	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41					
Rainfall (mm)	57.0	77.0	111.0	96.0	109.0	105.0	81.0	84.0	70.0	60.0	93.0	103.0	71.0	66.0	61.0	73.0	119.0	62.0	42.0					
Max. Temp. (°C)	33.3	33.0	32.3	32.4	32.0	32.1	32.1	32.3	32.9	32.6	32.4	32.1	32.4	32.3	32.4	32.0	31.9	32.0	31.6					
Min. Temp. (°C)	25.0	25.1	25.6	26.0	26.0	26.0	26.0	26.3	26.3	26.7	26.1	26.0	26.0	26.0	25.7	25.1	24.9	24.7	23.9					
Mean Temp. (°C)	29.2	29.1	29.0	29.2	29.0	29.1	29.1	29.2	29.6	29.7	29.3	29.1	29.2	29.2	29.1	28.6	28.4	28.4	27.8					
RHmax (%)	93.4	93.9	94.7	94.4	95.1	94.6	94.4	94.7	94.1	94.0	95.0	95.7	95.6	95.6	96.1	96.0	96.1	96.0	96.1					
RHMin (%)	65.4	67.7	71.4	71.6	73.3	72.7	71.9	71.6	70.1	70.9	72.6	73.1	71.6	72.4	71.3	71.6	70.9	68.3	66.3					
RHmean (%)	79.4	80.8	83.1	83.0	84.2	83.7	83.2	83.2	82.1	82.5	83.8	84.4	83.6	84.0	83.7	83.8	83.5	82.2	81.2					
SShr (hrs)	40.0	35.0	27.0	31.0	27.0	29.0	31.0	36.0	36.0	37.0	34.0	34.0	37.0	37.0	36.0	33.0	38.0	42.0	45.0					
WD (deg)	111	118	120	121	127	121	126	134	132	132	134	139	141	133	143	146	148	151	146					
WS(Km/hr)	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.9	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.9	3.7	3.7					
																								
	Seedbed		Transplanting		Tillering				Heading	Flowering	Grain Formation	Maturity to Harvesting												
<b>Favorable Weather Conditions</b>																								
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			
<b>Congenial Weather Condition for Pests &amp; Diseases</b>																								
Bacterial Leaf Blight	Temperature 28-30°C, Relative Humidity 80-90%, Cloudiness, Rainfall >30mm																							
Blast	Night temperature 16-20°C, for 07 hours day temperature 25-30°C, for 07 hours day night temperature >10°C, Relative Humidity >90%, Cloudy																							
Sheath rot	Temperature 25-28°C, Cloudy weather, high Relative Humidity > 90%																							
Stem borer	Minimum Temperature > 20.3 °C, Maximum Temperature: 29.5-34.7°C, Optimum temperature: 24-29°C, Higher morning Relative Humidity > 84%, Afternoon Relative Humidity >38.7%, Dry weather																							
Leaf roller	Maximum Temperature: 32-33°C, Relative Humidity 92-95%																							
Brown plant hopper	High temperature >32°C, , high Relative Humidity:80-90%, drizzle, wet spell, rainfall less than 75 mm																							
Rice bug	Higher maximum temperature >31.9°C, Morning Relative Humidity > 93.9%, Bright Sunshine Hours> 5.9 hrs Lower Minimum temperature less than 22.1°C, Afternoon Relative Humidity less than 66.4%, Dry, or intermittent rain Weekly total rainfall less than 40.9 mm																							
<b>Weather Warning</b>																								
Rain	>50 mm/day				>100 mm/day				>50 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				Minimum Temperature <10°C											