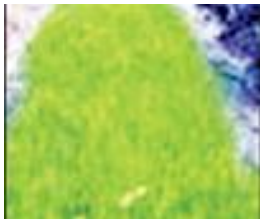








Crop Weather Calendar of Aman Rice: Dinajpur Region (Districts: Dinajpur, Thakurgaon and Panchagarh) Bangladesh

Region: Dinajpur	Aman Rice																Duration: 133 days		
Months	June				July				August				September				October		
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	26.0	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	3.9	3.7	3.9	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.9	3.7	3.7
																			
	Seedbed			Transplanting			Tillering						Heading		Flow erin g	Grain 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	76			120	190	145	100

(mm)					
Congenial Weather Condition for Pests & Diseases					
Bacterial Leaf Blight	Temperature 28-30⁰C, Relative Humidity 80-90%, Cloudiness, Rainfall >30mm				
Blast	Night temperature 16-20⁰C, for 07 hours day temperature 25-30⁰C, for 07 hours day night temperature >10⁰C, Relative Humidity >90%, Cloudy				
Sheath rot				Temperature 25-28⁰C, Cloudy weather, high Relative Humidity>90 %	
Stem borer		Minimum Temperature > 20.3 ⁰C, Maximum Temperature: 29.5-34.7⁰C, Optimum temperature: 24-29⁰C, Higher morning Relative Humidity > 84%, Afternoon Relative Humidity >38.7%, Dry weather			
Leaf roller		Maximum Temperature: 32-33⁰C, Relative Humidity 92-95%			
Brown plant hopper		High temperature >32⁰C, , high Relative Humidity:80-90%, drizzle, wet spell, rainfall less than 75 mm			
Rice bug				Higher maximum temperature >31.9⁰C, Morning Relative Humidity > 93.9%, Bright Sunshine Hours> 5.9 hrs Lower Minimum temperature less than 22.1⁰C, Afternoon Relative Humidity less than 66.4%, Dry, or intermittent rain Weekly total rainfall less than 40.9 mm	

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	