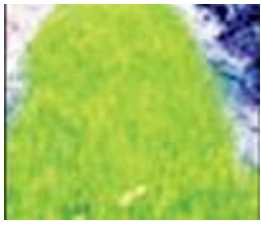








Crop Weather Calendar of Aman Rice: Rangpur Region (Districts: Rangpur, Kurigram, Gaibandha, Nilphamari, Lalmonirhat) Bangladesh

Region: Rangpur	Aman Rice															Duration: 133 days			
Months	June			July				August				September				October			
Std.Week/Normal	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42
Rainfall (mm)	90.5	109.5	91.0	106.0	116.0	83.0	92.0	63.0	67.5	105.5	85.0	80.0	70.5	81.5	91.5	101.0	58.0	53.0	35.5
Max. Temp. (°C)	32.4	32.0	32.2	32.3	31.9	32.2	32.4	33.1	32.8	32.2	32.3	32.3	32.2	32.3	32.0	31.6	32.1	31.5	31.2
Min. Temp. (°C)	25.2	25.8	26.0	26.0	26.0	26.0	26.1	26.6	26.7	26.1	26.0	26.0	26.0	25.9	25.3	25.0	24.9	24.0	22.5
Mean Temp. (°C)	28.8	28.9	29.1	29.2	29.0	29.1	29.2	29.8	29.7	29.1	29.2	29.2	29.1	29.1	28.7	28.3	28.5	27.8	26.8
RHmax (%)	94.2	94.9	94.7	95.0	94.8	94.5	94.5	94.1	94.4	95.0	95.1	95.0	94.9	95.2	95.5	95.9	95.5	95.4	95.2
RHMin (%)	70.7	73.7	73.6	73.8	74.6	73.3	71.9	69.9	70.9	73.1	73.2	72.4	72.3	72.0	72.3	71.5	69.3	67.9	64.5
RHmean (%)	82.4	84.3	84.1	84.4	84.7	83.9	83.2	82.0	82.7	84.1	84.2	83.7	83.6	83.6	83.9	83.7	82.4	81.7	79.9
SShr (hrs)	31.5	27.0	28.0	27.0	30.5	30.0	34.0	39.0	36.5	32.5	32.0	35.5	35.5	35.5	33.5	36.5	42.5	46.0	51.5
WD (deg)	125	127	131	143	137	138	138	142	141	137	143	142	140	143	142	152	147	143	134
WS(Km/hr)	7.4	7.1	7.1	6.8	6.8	7.8	6.8	7.3	6.8	7.1	6.6	6.6	6.8	6.5	6.8	6.8	6.0	6.4	6.3
																			
	Seedbed			Transplanting				Tillering					Heading	Flowering	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 (mm)	76				120	190	145	100

Congenial Weather Condition for Pests & Diseases						
Bacterial Leaf Blight	Temperature 28-30°C, Relative Humidity 80-90%, Cloudiness, Rainfall >30mm					
Sheath Blight	Temperature 28-32°C, high Relative Humidity, Cloudy weather					
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		

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		