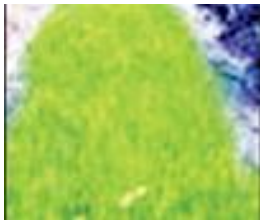








Crop Weather Calendar of Aman Rice:RangamatiRegion (Districts: Rangamati, Khagrachari and Bandarban) Bangladesh

Region: Rangamati	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)	134.0	125.0	101.0	90.0	110.0	144.0	124.0	116.0	86.0	87.0	106.0	100.0	71.0	58.0	53.0	50.0	53.0	30.0	39.0	
Max. Temp. (°C)	31.7	31.3	31.0	31.0	31.4	31.3	31.3	31.7	31.9	31.3	31.4	32.0	31.9	32.0	32.3	32.1	32.3	31.7	31.7	
Min. Temp. (°C)	25.0	25.0	25.0	25.0	25.0	25.0	24.9	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	24.9	24.3	24.0	23.9	
Mean Temp. (°C)	28.4	28.2	28.0	28.0	28.2	28.2	28.1	28.4	28.5	28.2	28.2	28.5	28.5	28.5	28.7	28.5	28.3	27.9	27.8	
RHmax (%)	94.0	93.7	93.7	93.4	93.4	93.9	93.9	94.3	93.9	93.4	94.3	94.0	93.7	94.0	94.6	94.0	94.0	94.4	94.3	
RHMin (%)	72.7	73.6	74.4	74.9	73.9	75.4	74.6	73.3	73.1	74.0	73.4	73.1	72.4	71.3	71.3	69.4	69.3	68.7	67.0	
RHmean (%)	83.4	83.7	84.1	84.2	83.7	84.7	84.3	83.8	83.5	83.7	83.9	83.6	83.1	82.7	83.0	81.7	81.7	81.6	80.7	
SShr (hrs)	30.0	29.0	28.0	24.0	26.0	24.0	30.0	32.0	32.0	31.0	34.0	36.0	34.0	38.0	36.0	41.0	44.0	42.0	49.0	
WD (deg)	186	179	184	179	184	185	186	189	190	187	187	187	192	188	193	195	195	211	204	
WS(Km/hr)	5.6	5.7	5.6	5.6	5.4	5.6	5.4	5.4	5.6	5.6	4.8	4.8	4.8	3.9	3.7	4.3	3.7	3.7	3.7	
																				
	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%				
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^oC, Afternoon Relative Humidity less than 66.4%, Dry, or intermittent rain Weekly total rainfall less than 40.9 mm	
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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^oC	Minimum Temperature <10^oC	Minimum Temperature <10^oC	