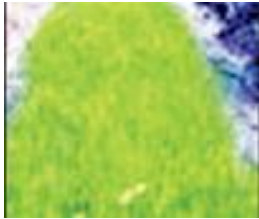








Crop Weather Calendar of Aman Rice: Rangamati Region (Districts: Rangamati, Khagrachari and Bandarban) Bangladesh

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°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				>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								