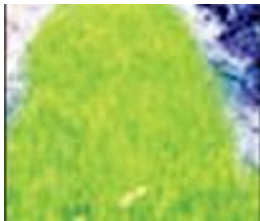








Crop Weather Calendar of Aman Rice: Barishal Region (Districts: Jhalakati, Patuakhali, Pirujpur, Barguna, Barishal, Bhola) Bangladesh

Region: Barishal	Aman Rice																Duration: 133 days			
Months	June	July				August				September				October				November		
Std.Week/Normal	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	
Rainfall (mm)	126.3	129.0	91.7	111.7	115.0	100.0	92.7	95.7	82.3	81.0	73.0	77.7	72.3	75.0	55.3	57.3	41.0	25.0	19.3	
Max. Temp. (°C)	31.0	31.0	31.1	30.08	31.0	31.2	31.2	31.2	31.5	31.5	31.2	31.5	32.0	32.0	31.9	32.1	32.0	31.7	31.0	
Min. Temp. (°C)	26.0	26.0	26.0	26.0	25.9	26.0	26.0	26.0	26.0	26.0	25.9	25.9	26.0	25.5	25.2	25.2	24.3	22.9	22.1	
Mean Temp. (°C)	28.5	28.5	28.6	28.6	28.5	28.6	28.6	28.5	28.8	28.8	28.6	28.7	29.0	28.7	28.6	28.6	28.1	27.3	26.5	
RHmax (%)	97.3	97.4	97.4	97.4	97.6	97.4	97.3	97.2	97.3	97.3	97.4	97.7	97.6	98.0	97.9	98.0	97.8	97.8	97.8	
RHMin (%)	80.6	80.7	79.4	81.0	80.0	78.9	78.6	79.0	77.6	77.4	77.6	76.4	74.6	73.9	72.3	70.4	68.0	63.7	63.2	
RHmean (%)	89.0	89.0	88.4	89.2	88.8	88.2	88.0	88.1	87.5	87.4	87.5	87.1	86.1	85.9	85.1	84.2	82.9	80.7	80.5	
SShr (hrs)	20.3	20.3	23.3	21.0	25.3	26.0	25.7	26.0	27.3	29.0	28.3	29.3	29.7	33.0	36.7	41.3	44.7	48.7	47.0	
WD (deg)	175	180	175	177	175	173	180	176	184	182	185	191	209	212	220	229	228	212	214	
WS(Km/hr)	6.5	6.5	6.5	6.5	6.5	6.4	5.6	6.5	5.7	5.6	5.0	5.0	4.5	4.5	4.0	3.2	3.6	3.1	3.5	
																				
	Seedbed		Transplanting		Tillering						Heading		Flow erin g	Grain Formation	Maturity to Harvesting					

Favorable Weather Conditions						
Temperature	At least 10 ^o C for germination				22-25 ^o C	23-27 ^o C
Light Intensity			≤200% of normal			
Relative Humidity			High			
Soil Temperature			Above 16 ^o C			
Normal phase wise water requirement (mm)	76	120		190	145	100

Congenial Weather Condition for Pests & Diseases						
Blast	Night temperature 16-20 ^o C, for 07 hours day temperature 25-30 ^o C, for 07 hours day night temperature >10 ^o C, Relative Humidity >90%, Cloudy					
Sheath rot				Temperature 25-28 ^o C, Cloudy weather, high Relative Humidity>90%		
Stem borer			Minimum Temperature > 20.3 ^o C, Maximum Temperature: 29.5-34.7 ^o C, Optimum temperature: 24-29 ^o C, Higher morning Relative Humidity > 84%, Afternoon Relative Humidity >38.7%, Dry weather			
Leaf roller			Maximum Temperature: 32-33 ^o C, Relative Humidity 92-95%			
Brown plant hopper			High temperature >32 ^o C, , high Relative Humidity:80-90%, drizzle, wet spell, rainfall less than 75 mm			
Rice bug					Higher maximum temperature >31.9 ^o 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	
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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°C	Minimum Temperature <10°C	Minimum Temperature <10°C	