



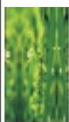




Crop Weather Calendar of Aman Rice: Barishal Region (Districts: Jhalakati, Patuakhali, Pirujpur, Barguna, Barishal, Bhola) Bangladesh

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	25.9	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	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																				
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					>50 mm/day				
Duration of wet spell	>25 mm for 3 days					>50 mm for 4 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					>30 km/hr				
Temperature	Minimum Temperature <10 °C					Minimum Temperature <10 °C					Minimum Temperature <10 °C					Minimum Temperature <10 °C				