








Crop Weather Calendar of Aman Rice: Cumilla Region (Districts: Cumilla, Chandpur, Bramanbaria) Bangladesh

Region: Cumilla	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)	97.5	96.0	88.0	107.0	95.0	84.0	66.5	82.5	73.0	66.0	53.0	66.5	68.0	53.0	51.0	46.5	30.5	16.0	11.5	
Max. Temp. (°C)	31.4	31.2	31.5	31.3	31.5	32.0	32.0	31.9	32.0	32.0	31.8	32.0	32.0	32.0	32.3	31.9	31.8	31.2	31.0	
Min. Temp. (°C)	26.0	26.0	26.0	25.7	26.0	25.9	26.0	26.0	26.0	25.9	25.7	25.6	25.6	25.6	25.4	24.7	24.3	22.8	21.8	
Mean Temp. (°C)	28.7	28.6	28.7	28.5	28.7	28.9	29.0	28.9	29.0	28.9	28.8	28.8	28.8	28.8	28.8	28.3	28.0	27.0	26.4	
RHmax (%)	95.2	95.4	95.0	95.5	95.3	94.9	94.8	94.9	95.3	95.0	95.2	95.5	95.4	95.6	95.6	95.7	95.5	95.2	95.3	
RHMin (%)	76.8	76.8	75.9	76.6	75.2	74.2	73.9	74.8	74.0	73.4	73.5	73.1	72.2	71.1	70.2	68.1	65.8	61.9	60.6	
RHmean (%)	86.0	86.1	85.4	86.0	85.2	84.5	84.3	84.9	84.6	84.2	84.3	84.3	83.8	83.3	82.9	81.9	80.6	78.5	77.9	
SShr (hrs)	26.0	23.5	30.0	26.5	31.0	30.0	31.5	32.0	30.5	34.5	32.0	33.0	33.5	35.0	39.0	43.0	44.5	50.5	47.0	
WD (deg)	174	179	174	174	179	178	182	177	182	179	186	191	197	201	203	214	201	187	202	
WS(Km/hr)	7.4	7.3	7.0	7.5	6.7	6.7	6.2	6.6	5.8	5.6	5.3	5.7	4.7	4.7	4.6	4.3	4.3	4.0	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																				
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																			
Brown spot	Temperature 28-30° C, high Relative Humidity, Cloudy weather																			
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											