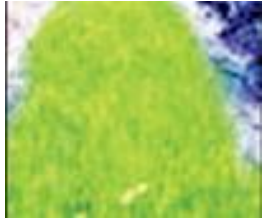








## Crop Weather Calendar of Aman Rice: Cumilla Region (Districts: Cumilla, Chandpur, Bramanbaria) Bangladesh

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		Flow erin g	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 <sup>o</sup> C, Afternoon Relative Humidity less than 66.4%, Dry, or intermittent rain Weekly total rainfall less than 40.9 mm	
<b>Weather Warning</b>					
<b>Rain</b>	<b>&gt;50 mm/day</b>	<b>&gt;100 mm/day</b>	<b>&gt;50 mm/day</b>		
<b>Duration of wet spell</b>	<b>&gt;25 mm for 3 days</b>	<b>&gt;50 mm for 4 days</b>	<b>20 mm for 4 days</b>		
<b>Cloudy weather</b>		<b>Cloudy weather</b>	<b>Cloudy weather</b>		
<b>High wind</b>	<b>&gt;50 km/hr</b>	<b>&gt;40 km/hr</b>	<b>&gt;30 km/hr</b>		
<b>Temperature</b>	<b>Minimum Temperature &lt;10<sup>o</sup>C</b>	<b>Minimum Temperature &lt;10<sup>o</sup>C</b>	<b>Minimum Temperature &lt;10<sup>o</sup>C</b>		