








**Crop Weather Calendar of Aman Rice: Sylhet Region (Districts: Sylhet, Moulvibazar, Sunamganj, Habiganj) Bangladesh**

Region: Cumilla	Aman Rice																Duration: 133 days			
Months	July		August				September				October				November				Dec	
Std.Week/Normal	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	
Rainfall (mm)	129.5	129.0	123.5	103.0	118.5	105.0	96.0	107.0	94.0	82.0	81.5	63.0	60.0	36.5	24.5	12.0	14.5	8.5	0.5	
Max. Temp. (°C)	31.8	32.2	32.3	32.8	32.2	32.2	32.5	32.2	32.2	32.2	31.7	31.9	31.7	31.6	31.4	30.9	30.1	29.6	29.0	
Min. Temp. (°C)	25.0	25.0	25.1	25.3	25.2	25.0	25.0	25.0	25.0	25.0	24.2	24.0	23.4	22.7	21.2	20.4	19.1	17.3	16.6	
Mean Temp. (°C)	28.4	28.6	28.7	29.0	28.7	28.6	28.8	28.6	28.6	28.6	27.9	27.9	27.5	27.2	26.3	25.7	24.6	23.5	22.8	
RHmax (%)	96.1	96.2	96.4	96.2	96.4	96.3	96.3	96.4	96.4	96.1	96.5	96.4	96.1	96.0	95.6	95.4	95.2	95.2	95.3	
RHMin (%)	74.2	72.6	72.4	70.9	72.8	73.0	72.4	72.3	71.7	71.4	71.8	71.2	68.7	66.5	63.1	61.9	59.2	56.2	54.4	
RHmean (%)	85.1	84.4	84.4	83.5	84.6	84.6	84.4	84.3	84.0	83.7	84.1	83.8	82.4	81.3	79.3	78.6	77.2	75.7	74.9	
SShr (hrs)	26.0	30.0	33.0	33.5	29.5	32.5	33.5	32.5	33.0	34.0	34.5	40.5	43.5	49.5	54.5	52.5	55.5	55.5	56.5	
WD (deg)	160	165	173	171	169	182	176	176	187	182	184	190	191	187	191	173	179	180	184	
WS(Km/hr)	6.2	6.7	6.4	5.9	5.6	5.6	5.3	5.2	4.7	5.0	4.8	4.6	4.7	4.6	4.5	4.7	4.5	4.3	4.6	
																				
	Seedbed		Transplanting				Tillering						Heading	Floweri ng	Grain Formation	Maturity to Harvesting				
<b>Favorable Weather Conditions</b>																				
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	
<b>Congenial Weather Condition for Pests &amp; Diseases</b>																				
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							
<b>Weather Warning</b>																				
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							