








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

Region: Sylhet	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	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					
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	
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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	