








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

Region: Sylhet	Aman Rice															Duration: 133 days			
	July		August				September				October					November			Dec
	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47
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	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							