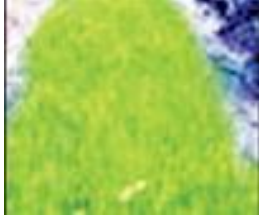








Crop Weather Calendar of Aman Rice: Rajshahi Region (Districts: Rajshahi, Chapainawabganj, Naogaon and Natore) Bangladesh

Region: Rajshahi	Aman Rice															Duration: 133 days			
Months	June			July				August				September				October			
Std.Week/Normal	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42
Rainfall (mm)	51.0	78.0	72.0	66.0	71.0	75.0	72.0	52.0	57.0	64.0	53.0	57.0	54.0	59.0	52.0	83.0	44.0	35.0	23.0
Max. Temp. (°C)	33.9	33.1	33.0	32.7	32.9	32.3	32.6	32.9	32.9	32.7	33.0	33.0	32.9	33.0	33.0	32.9	32.7	32.3	31.7
Min. Temp. (°C)	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.1	26.0	26.1	26.0	26.0	26.0	26.0	25.3	25.0	24.1	23.1
Mean Temp. (°C)	30.0	29.6	29.5	29.4	29.5	29.2	29.3	29.5	29.5	29.4	29.6	29.5	29.5	29.5	29.5	29.1	28.9	28.2	27.4
RHmax (%)	95.4	96.1	96.6	96.6	96.9	97.0	96.9	96.7	96.6	96.7	96.1	96.4	96.3	96.7	96.3	96.7	96.3	96.4	96.1
RHMin (%)	67.9	71.1	73.4	73.7	74.3	75.3	73.9	72.6	72.6	74.1	72.0	70.9	71.3	71.0	69.6	68.9	67.4	64.3	60.9
RHmean (%)	81.7	83.6	85.0	85.2	85.6	86.2	85.4	84.7	84.6	85.4	84.1	83.7	83.8	83.9	83.0	82.8	81.9	80.4	78.5
SShr (hrs)	35.0	31.0	31.0	30.0	30.0	30.0	34.0	34.0	36.0	33.0	34.0	40.0	35.0	38.0	40.0	43.0	46.0	47.0	53.0
WD (deg)	129	127	132	141	134	138	140	131	131	141	143	133	142	143	143	153	145	154	146
WS(Km/hr)	6.7	6.8	6.8	5.7	6.1	6.3	6.7	6.3	5.6	5.7	5.6	5.6	5.6	5.6	5.6	5.4	4.8	3.9	3.9
																			
	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																		
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%											
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				>50 mm/day							
Duration of wet spell	>25 mm for 3 days			>50 mm for 4 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				>40 km/hr				>30 km/hr							
Temperature	Minimum Temperature <10 °C			Minimum Temperature <10 °C				Minimum Temperature <10 °C				Minimum Temperature <10 °C							