








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

Region: Rajshahi	Aman Rice															Duration: 133 days						
	June			July				August				September				October						
	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42			
Months																						
Std.Week/Normal																						
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																					
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					>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						
High wind	>50 km/hr			>40 km/hr					>40 km/hr					>30 km/hr								
Temperature	Minimum Temperature <10 °C																		Minimum Temperature <10 °C			