








Crop Weather Calendar of Aman Rice: Khulna Region (Districts: Khulna, Satkhira, Bagerhat and Narail) Bangladesh

Region: Khulna	Aman Rice																	Duration: 133 days		
	July	August				September				October				November				December		
Std.Week/Normal	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	
Rainfall (mm)	76.5	79.5	69.0	76.5	63.0	60.5	66.0	65.0	59.5	76.5	41.0	38.5	31.5	26.5	9.5	13.0	8.0	3.0	3.5	
Max. Temp. (°C)	32.1	32.1	32.1	32.0	32.4	32.5	32.1	32.3	32.8	32.8	32.7	32.7	32.4	31.7	31.0	31.0	30.1	29.5	28.5	
Min. Temp. (°C)	26.1	26.0	26.4	26.1	26.4	26.2	26.0	26.0	25.8	25.5	25.0	24.2	22.5	21.5	20.6	19.3	18.0	16.3		
Mean Temp. (°C)	29.1	29.0	29.2	29.0	29.4	29.3	29.1	29.1	29.4	29.3	29.1	28.9	28.3	27.1	26.3	25.8	24.7	23.7	22.4	
RHmax (%)	95.8	95.6	95.6	96.1	96.0	95.9	96.2	96.5	96.7	96.7	96.8	96.5	96.2	96.3	96.0	95.6	95.9	95.8	95.5	
RHMin (%)	75.5	74.8	74.5	75.1	73.7	73.7	74.0	73.7	71.6	70.2	69.2	65.6	63.3	59.2	57.4	53.9	51.3	49.0	46.7	
RHmean (%)	85.6	85.2	85.0	85.6	84.8	84.8	85.1	85.1	84.1	83.4	83.0	81.1	79.8	77.8	76.7	74.7	73.6	72.4	71.1	
SShr (hrs)	29.0	30.0	29.5	31.0	32.5	31.5	32.0	34.5	36.0	38.0	41.5	47.5	49.5	52.5	48.5	53.5	52.5	53.5	53.0	
WD (deg)	179	170	172	170	178	172	173	181	188	190	189	203	193	184	173	176	189	197	197	
WS(Km/hr)	6.2	6.5	5.9	6.5	5.6	5.6	5.5	5.5	4.6	4.8	4.3	3.7	4.1	3.8	3.4	4.1	3.8	4.3	4.3	
																				
	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					Cloudy weather					Cloudy weather				
High wind	>50 km/hr					>40 km/hr					>30 km/hr					>30 km/hr				
Temperature	Minimum Temperature <10° C					Minimum Temperature <10° C					Minimum Temperature <10° C					Minimum Temperature <10° C				