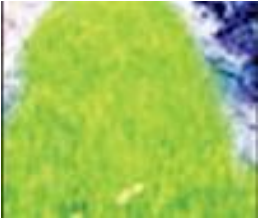








Crop Weather Calendar of Aman Rice:KhulnaRegion (Districts: Khulna, Satkhira, Bagerhat and Narail) Bangladesh

Region: Khulna	Aman Rice																Duration: 133 days				
Months	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	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		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%		
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	
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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	