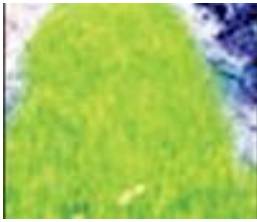








**Crop Weather Calendar of Aman Rice: Khulna Region (Districts: Khulna, Satkhira, Bagerhat and Narail) Bangladesh**

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	Flowering	Grain Formation	Maturity to Harvesting									
<b>Favorable Weather Conditions</b>																				
Temperature	At least 10 <sup>0</sup> C for germination														22-25 <sup>0</sup> C	23-27 <sup>0</sup> C				
Light Intensity							≤200% of normal													
Relative Humidity							High													
Soil Temperature							Above 16 <sup>0</sup> C													
Normal phase wise water requirement (mm)	76		120				190				145		100							
<b>Congenial Weather Condition for Pests &amp; Diseases</b>																				
Bacterial Leaf Blight	Temperature 28-30 <sup>0</sup> C, Relative Humidity 80-90%, Cloudiness, Rainfall >30mm																			
Sheath Blight	Temperature 28-32 <sup>0</sup> C, high Relative Humidity, Cloudy weather																			
Blast	Night temperature 16-20 <sup>0</sup> C, for 07 hours day temperature 25-30 <sup>0</sup> C, for 07 hours day night temperature >10 <sup>0</sup> C, Relative Humidity >90%, Cloudy																			
Sheath rot	Temperature 25-28 <sup>0</sup> C, Cloudy weather, high Relative Humidity>90%																			
Brown spot	Temperature 28-30 <sup>0</sup> C, high Relative Humidity, Cloudy weather																			
Stem borer	Minimum Temperature > 20.3 <sup>0</sup> C, Maximum Temperature: 29.5-34.7 <sup>0</sup> C, Optimum temperature: 24-29 <sup>0</sup> C, Higher morning Relative Humidity > 84%, Afternoon Relative Humidity >38.7%, Dry weather																			
Leaf roller	Maximum Temperature: 32-33 <sup>0</sup> C, Relative Humidity 92-95%																			
Brown plant hopper	High temperature >32 <sup>0</sup> C, , high Relative Humidity:80-90%, drizzle, wet spell, rainfall less than 75 mm																			
Rice bug	Higher maximum temperature >31.9 <sup>0</sup> C, Morning Relative Humidity > 93.9%, Bright Sunshine Hours> 5.9 hrs Lower Minimum temperature less than 22.1 <sup>0</sup> C, Afternoon Relative Humidity less than 66.4%, Dry, or intermittent rain Weekly total rainfall less than 40.9 mm																			
<b>Weather Warning</b>																				
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				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 <sup>0</sup> C		Minimum Temperature <10 <sup>0</sup> C				Minimum Temperature <10 <sup>0</sup> C													