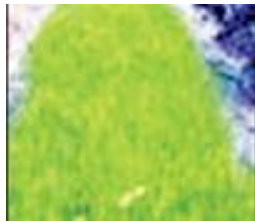








Crop Weather Calendar of Aus Rice: Cumilla Region (Districts: Cumilla, Chandpur, Bramanbaria) Bangladesh

Region: Cumilla	Aus Rice															Duration: 126 days		
Months	April			May				June				July				August		
Std.Week/Normal	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34
Rainfall (mm)	42.0	54.5	63.5	66.0	71.0	80.0	74.0	98.5	88.5	97.5	96.0	88.0	107.0	95.0	84.0	66.5	82.5	73.0
Max. Temp. (°C)	33.1	32.9	33.2	33.2	32.9	33.1	32.7	31.9	31.9	31.4	31.2	31.5	31.3	31.5	32.0	32.0	31.9	32.0
Min. Temp. (°C)	23.5	23.7	24.3	24.7	25.2	25.6	25.8	25.7	26.0	26.0	26.0	26.0	25.7	26.0	25.9	26.0	26.0	26.0
Mean Temp. (°C)	28.3	28.3	28.7	28.9	29.0	29.4	29.3	28.8	28.9	28.7	28.6	28.7	28.5	28.7	28.9	29.0	28.9	29.0
RHmax (%)	94.1	94.2	94.0	94.5	94.3	94.6	95.0	95.0	95.2	95.2	95.4	95.0	95.5	95.3	94.9	94.8	94.9	95.3
RHMin (%)	61.7	63.0	63.5	64.8	66.7	69.0	70.9	73.9	75.1	76.8	76.8	75.9	76.6	75.2	74.2	73.9	74.8	74.0
RHmean (%)	77.9	78.6	78.7	79.6	80.5	81.8	82.9	84.4	85.1	86.0	86.1	85.4	86.0	85.2	84.5	84.3	84.9	84.6
SShr (hrs)	51.0	47.5	47.5	46.5	41.0	38.0	36.0	26.5	29.0	26.0	23.5	30.0	26.5	31.0	30.0	31.5	32.0	30.5
WD (deg)	179	180	192	183	192	181	186	177	175	174	179	174	174	179	178	182	177	182
WS(Km/hr)	7.5	7.4	7.7	7.5	6.8	7.1	6.5	7.3	7.0	7.4	7.3	7.0	7.5	6.7	6.7	6.2	6.6	5.8
																		
	Seedbed			Transplanting				Tillering				Heading	Flow erin g	Grain Formation	Maturity to Harvesting			

Favorable Weather Conditions						
Temperature	At least 10 ^o C for germination				22-25 ^o C	23-27 ^o C
Light Intensity			≤200% of normal			
Relative Humidity			High			
Soil Temperature			Above 16 ^o C			
Normal phase wise water requirement (mm)	76		120	190	145	100

Congenial Weather Condition for Pests & Diseases						
Bacterial leaf blight (BLB)	Temperature 28-30 ^o C Relative Humidity 80-90%, Cloudiness, Rainfall >30mm					
Sheath rot			Temperature 25-28 ^o C High Relative Humidity>90%, Cloudy weather			
Sheath blight			Temperature 28-32 ^o C, high Relative Humidity, cloudy weather			
Blast	Night temperature 16-20 ^o C, for 7.30 hours day temperature 25-30 ^o C, for 7.30 hours day night temperature >10 ^o C Relative Humidity >90%, Cloudy					
Stem borer		Minimum Temperature>20.3 ^o C Maximum Temperature:29.5-34.7 ^o C optimum Temperature:24-29 ^o C Higher morning Relative Humidity>84% Afternoon Relative Humidity 38.7% Dry weather				
Leaf roller		Maximum Temperature:32-33 ^o C Relative Humidity 92-95%				
Rice bug				Higher Maximum Temperature: 31.9 ^o C Morning Bright Sunshine Hours> 5.9 hrs		

				Lower Minimum temperature less than 22.10C Afternoon Relative Humidity less than 66.4% Dry, or intermittent rain	
Brown plant hopper				High temperature >32⁰C, high Relative Humidity:80-90%, drizzle, wet spell, rainfall less than75mm	

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 <10⁰C	Minimum Temperature <10⁰C	Minimum Temperature <10⁰C	