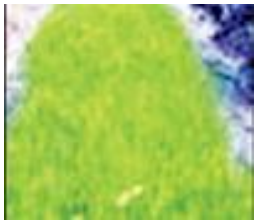








Crop Weather Calendar of Aus Rice: Cumilla Region (Districts: Cumilla, Chandpur, Bramanbaria) Bangladesh

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		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 (BLB)	Temperature 28-30°C Relative Humidity 80-90%, Cloudiness, Rainfall >30mm					
Sheath rot				Temperature 25-28°C High Relative Humidity >90%, Cloudy weather		
Sheath blight	Temperature 28-32°C, high Relative Humidity, cloudy weather					
Blast	Night temperature 16-20°C, for 7.30 hours day temperature 25-30°C, for 7.30 hours day night temperature >10°C Relative Humidity >90%, Cloudy					
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%					
Rice bug	Higher Maximum Temperature: 1.9°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 >32°C, high Relative Humidity: 80-90%, drizzle, wet spell, rainfall less than 75 mm					

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	