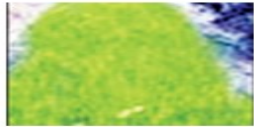

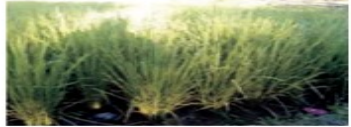






Crop Weather Calendar of Aus Rice: Cumilla Region (Districts: Cumilla, Chandpur, Bramanbaria) Bangladesh

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							≤200% of normal				22-25° C			23-27° C					
Light Intensity								High												
Relative Humidity								Above 16° C												
Soil Temperature																				
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																			
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																			
Leafroller	Maximum Temperature: 32-33°C Relative Humidity 92-95%																			
Rice bug	Higher Maximum Temperature: 31.9°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												