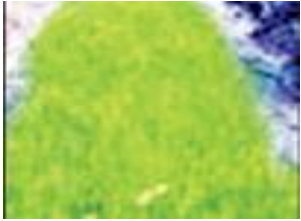







Crop Weather Calendar of Boro Rice: Cumilla Region (Districts: Cumilla, Chandpur, Bramanbaria) Bangladesh

Region: Cumilla	Boro Rice																			Duration: 150-155 days				
Months	October				November				December				January				February				March			
Std.Week/Normal	42	43	44	45	46	47	48	49	50	51	52	1	2	3	4	5	6	7	8	9	10	11	12	
Rainfall (mm)	30.5	16.0	11.5	18.0	8.5	4.0	2.5	0.0	4.5	1.0	1.5	0.0	0.0	0.0	1.5	3.0	3.0	6.0	7.5	4.5	7.0	9.0	19.0	
Max. Temp. (°C)	31.8	31.2	31.0	30.5	29.8	29.0	28.2	27.7	26.5	25.8	25.4	24.7	24.5	25.0	25.4	16.2	27.3	28.1	29.1	29.8	30.9	32.0	32.2	
Min. Temp. (°C)	24.3	22.8	21.8	21.0	19.3	18.1	16.9	15.8	15.0	14.2	13.4	13.0	12.7	12.7	12.6	14.2	14.5	16.2	16.7	18.1	19.2	19.9	21.5	
Mean Temp. (°C)	28.0	27.0	26.4	25.7	24.6	23.5	22.5	21.7	20.8	20.0	19.4	18.8	18.6	18.9	19.0	20.2	20.9	22.1	22.9	23.9	25.0	25.9	26.8	
RHmax (%)	95.5	95.2	95.3	95.6	95.3	95.4	95.8	95.8	96.2	96.0	96.0	96.0	95.5	95.3	94.4	94.6	94.4	93.9	94.1	93.9	93.9	93.5	93.7	
RHMin (%)	65.8	61.9	60.6	58.2	54.8	52.6	52.2	50.6	51.9	52.1	51.3	51.8	51.2	49.1	46.4	47.7	45.2	46.8	46.1	46.8	47.4	47.7	52.6	
RHmean (%)	80.6	78.5	77.9	76.9	75.0	74.0	74.0	73.2	74.1	74.1	73.6	73.9	73.4	72.2	70.4	71.1	69.8	70.3	70.1	70.3	70.6	70.6	73.1	
SShr (hrs)	44.5	50.5	47.0	49.5	50.0	50.5	48.5	47.5	42.5	40.5	40.0	40.0	37.0	43.5	47.0	47.0	50.0	49.5	50.5	52.5	52.5	52.5	51.0	
WD (deg)	201	187	202	183	184	190	195	206	192	211	213	205	209	218	212	203	214	206	214	215	216	211	199	
WS(Km/hr)	4.3	4.0	3.5	3.7	3.7	3.5	3.3	3.3	4.0	3.5	3.8	4.0	4.2	4.6	4.4	4.6	4.6	4.6	4.6	4.6	4.8	5.5	5.6	
																								
	Seedbed				Transplanting				Tillering				Heading		Flowering		Grain filling		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 8.30 hours day temperature 25-30° C, for 8.30 hours day night temperature >10° C Relative Humidity >90%, Cloudy		

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