







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

Region: Cumilla	Wheat											Duration: 119 days					
Months	Nov	December				January				February			March				
Std.Week/Normal	48	49	50	51	52	1	2	3	4	5	6	7	8	9	10	11	12
Rainfall (mm)	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)	28.2	27.7	26.5	25.8	25.4	24.7	24.5	25.0	25.4	26.2	27.3	28.1	29.1	29.8	30.9	32.0	32.2
Min. Temp. (°C)	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)	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 (%)	95.8	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 (%)	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 (%)	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)	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)	195	206	192	211	213	205	205	209	218	212	203	214	206	214	215	216	211
WS(Km/hr)	3.3	3.3	4.0	3.5	3.8	4.0	4.0	4.2	4.6	4.4	4.6	4.6	4.6	4.6	4.6	4.8	5.5
																	
	sowing		Germination			Vegetative Growth					Flowe ring	Grain Formation			Maturity to Harvesting		

Favourable Weather Conditions				
Minimum temperature	3 to 4.5°C			cooler nights
Optimum temperature	Around 25°C			
Maximum Cardinal temperature	30- 32°C			
Mean Daily Temperature		15 to 20°C	15 to 20°C	
Soil Moisture	High			dryness
Solar radiation				Bright sunny days
daily consumptive water use		0.17 to 0.87	0.17 to 0.87	
Normal Phase wise water requirement (mm)	47	128	77	137
Weather Warning				
Rainfall	>50 mm/day	>100mm/day	>100mm/day	
Duration of wet spell	>50 mm for 3-4 days	>75 mm for 3-4 days	>50mm for 3-4 days	
Cloudy Weather		Cloudy Weather	Cloudy Weather	
Drought	20 days	20 days	20 days	
High wind	>50 km/hr	>50 km/hr	>50 km/hr	
Maximum Temperature	>30°C	>30°C	>30°C	
Minimum Temperature	<15°C	<15°C	<15°C	

Congenial Weather Condition for Pests & Diseases	
Blast	Continuous rains and average temperatures between 18-20°C during the flowering stage of the crop followed by sunny weather and humid days. Intensity increases at 30°C temperature with high relative humidity
Aphid	Mean temperature 18.7°C and relative humidity percentage 71.0%, mean weekly temperature 29.1 °C and relative humidity 55%