







**Crop Weather Calendar of Wheat: Barishal Region (Districts: Barishal, Jhalakati, Patuakhali, Pirujpur, Barguna, Bhola) Bangladesh**

Region: Barishal	Wheat											Duration: 119 days					
Months	November			December				January				February				March	
Std.Week/Normal	46	47	48	49	50	51	52	1	2	3	4	5	6	7	8	9	10
Rainfall (mm)	9.0	6.0	7.0	1.7	4.0	1.3	0.7	1.3	1.0	1.0	1.7	2.7	3.7	5.0	8.0	5.7	5.3
Max. Temp. (°C)	29.9	29.3	28.3	27.8	27.0	26.2	25.7	25.1	25.2	25.8	26.2	27.0	27.8	28.9	29.7	30.7	31.7
Min. Temp. (°C)	19.6	18.4	16.7	15.6	14.9	14.0	13.1	12.6	12.5	12.7	12.5	14.0	14.6	16.2	16.9	18.3	19.5
Mean Temp. (°C)	24.8	23.9	22.5	21.7	21.0	20.1	19.4	18.9	18.9	19.2	19.4	20.5	21.2	22.5	23.3	24.5	25.6
RHmax (%)	97.8	97.8	97.8	98.0	97.9	98.2	98.2	98.0	97.8	97.6	97.6	97.3	97.1	97.0	97.0	96.7	97.1
RHMin (%)	56.6	53.7	51.8	50.6	50.9	50.7	50.3	50.1	49.3	48.5	45.2	46.2	44.8	46.2	45.1	44.9	45.2
RHmean (%)	77.2	75.8	74.8	74.3	74.4	74.4	74.3	74.1	73.6	73.1	71.4	71.7	70.9	71.6	71.0	70.8	71.2
SShr (hrs)	49.0	50.0	51.3	48.7	46.3	44.3	43.7	46.7	44.0	47.3	52.7	50.3	52.3	51.7	52.0	53.7	54.0
WD (deg)	232	217	212	225	223	212	212	209	211	204	216	217	211	214	211	214	226
WS(Km/hr)	2.7	3.3	3.6	3.1	3.4	3.3	3.9	4.5	4.4	4.5	4.3	5.0	4.6	4.9	4.9	5.1	5.2
																	
	sowing			Germination				Vegetative Growth				Flowe ring	Grain Formation				Maturity to Harvesting

Favorable 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			
<b>Blast</b>	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		
<b>Leaf rust</b>	Temperature 15-25°C, rain and high dew		
<b>Stem borer</b>	Maximum, minimum and average temperature ranged from 31.9-33.9°C, 22.2-26.3°C and 26.9-29.5°C, respectively. Average relative humidity of 80 per cent and rainfall		
<b>Aphid</b>	Mean temperature 18.7°C and relative humidity percentage 71.0%, mean weekly temperature 29.1 °C and relative humidity 55%		