







Crop Weather Calendar of Wheat: Dhaka Region (Districts: Dhaka, Tangail, Gazipur, Narsingdi, Narayanganj, Munshiganj, Manikgonj) Bangladesh

Region: Dhaka	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)	6.0	1.5	4.5	1.5	4.5	1.0	3.5	1.0	0.0	0.0	0.5	3.5	3.5	2.5	12.0	3.5	4.0
Max. Temp. (°C)	29.8	29.0	28.3	27.6	26.2	25.5	24.8	24.0	23.9	24.5	25.0	26.2	27.2	28.3	28.9	30.0	31.5
Min. Temp. (°C)	18.7	17.7	16.1	15.5	14.7	13.5	12.9	12.4	12.0	12.0	12.1	13.6	14.3	15.5	16.5	17.5	18.6
Mean Temp. (°C)	24.3	23.3	22.2	21.5	20.5	19.5	18.8	18.2	17.9	18.3	18.6	19.9	20.7	21.9	22.7	23.7	25.0
RHmax (%)	94.7	94.6	94.3	94.8	95.3	95.1	95.0	94.6	94.3	93.8	93.4	92.4	92.1	91.7	91.1	90.0	89.9
RHMin (%)	49.3	47.5	46.3	47.6	49.4	49.8	49.1	50.3	48.8	46.2	43.3	42.3	39.4	39.7	38.9	36.0	35.5
RHmean (%)	72.0	71.0	70.3	71.2	72.3	72.5	72.1	72.4	71.6	70.0	68.3	67.3	65.7	65.7	65.0	63.0	62.7
SShr (hrs)	51.5	52.0	51.5	48.5	46.5	44.5	44.5	42.5	42.5	45.0	49.0	49.5	51.5	53.0	54.5	56.0	55.0
WD (deg)	199	212	211	219	224	225	233	238	238	232	242	241	236	234	228	230	230
WS(Km/hr)	3.7	3.7	3.6	3.7	3.7	3.7	3.7	4.1	4.0	4.1	4.3	4.3	4.5	5.0	5.3	5.4	5.4
																	
	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 Phasewise 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				
Leaf rust	Temperature 15-25°C, rain and high dew				
Loose smut	Tem perat ure 22-25°C, Relat ive humi dity 60-85%				
Stem borer	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				
Aphid	Mean temperature 18.7°C and relative humidity percentage 71.0%, mean weekly temperature 29.1°C and relative humidity 55%				