







## Crop Weather Calendar of Wheat: Dinajpur Region (Districts: Dinajpur, Thakurgaon and Panchagarh) Bangladesh

Region: Dinajpur	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)	0.0	0.0	0.0	0.0	3.0	0.0	4.0	2.0	2.0	3.0	2.0	1.0	2.0	3.0	1.0	1.0	1.0
Max. Temp. (°C)	29.0	28.7	28.0	27.0	25.4	24.9	23.9	22.6	22.4	23.0	23.7	25.0	25.9	26.7	27.7	28.6	30.1
Min. Temp. (°C)	16.9	15.6	14.0	13.3	12.9	12.0	10.9	10.7	10.3	10.0	10.6	11.1	12.1	13.6	14.1	15.0	16.1
Mean Temp. (°C)	23.0	22.2	21.0	20.2	19.2	18.5	17.4	16.7	16.4	16.5	17.2	18.1	19.0	20.2	20.9	21.8	23.1
RHmax (%)	95.9	95.3	95.6	96.1	96.4	96.3	96.6	96.7	96.3	96.4	95.9	94.7	94.0	93.4	92.0	90.6	88.9
RHMin (%)	51.6	48.1	47.6	49.0	52.9	52.7	54.0	55.1	53.7	52.4	50.4	47.7	43.1	42.4	40.9	38.4	35.3
RHmean (%)	73.8	71.7	71.6	72.6	74.7	74.5	75.3	75.9	75.0	74.4	73.2	71.2	68.6	67.9	66.5	64.5	62.1
SShr (hrs)	52.0	54.0	53.0	48.0	42.0	41.0	37.0	34.0	34.0	37.0	41.0	44.0	46.0	52.0	54.0	57.0	59.0
WD (deg)	154	164	177	183	193	200	213	225	238	243	227	241	225	230	225	228	230
WS(Km/hr)	3.7	3.7	3.5	2.6	3.7	3.0	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.9	4.3
																	
	sowing			Germination				Vegetative Growth				Flowe ring	Grain Formation			Maturity to Harvesting	

Favourable Weather Conditions					
Minimum temperature	3 to 4.5 <sup>0</sup> C				cooler nights
Optimum temperature	Around 25 <sup>0</sup> C				
Maximum Cardinal temperature	30- 32 <sup>0</sup> C				
Mean Daily Temperature		15 to 20 <sup>0</sup> C	15 to 20 <sup>0</sup> 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	39

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 <sup>0</sup> C		>30 <sup>0</sup> C	>30 <sup>0</sup> C	
Minimum Temperature	<15 <sup>0</sup> C		<15 <sup>0</sup> C	<15 <sup>0</sup> 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 <sup>0</sup> C, rain and high dew				
Loose smut	Temp eratur e. 22-25 <sup>0</sup> C, Relati ve humid ity 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%				