







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

Region: Dinajpur	Wheat											Duration: 119 days					
	November			December				January				February			March		
	46	47	48	49	50	51	52	1	2	3	4	5	6	7	8	9	10
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°C																
Optimum temperature	Around 25°C																
Maximum Cardinal temperature	30- 32°C																
Mean Daily Temperature	15 to 20°C																
Soil Moisture	High																
Solar radiation	dryness																
daily consumptive water use	Bright sunny days																
Normal Phase wise water requirement (mm)	47				128				77		137				39		
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	Temperat 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%																
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																
Drought	20 days																
High wind	>50 km/hr				>50 km/hr				>50 km/hr								
Maximum Temperature	>30°C																
Minimum Temperature	<15°C																