







Crop Weather Calendar of Wheat: Bogura Region (Districts: Bogura, Joypurhat, Pabna, Sirajganj) Bangladesh

Region: Bogura	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	
Months	0.0	0.0	3.0	0.0	3.0	0.0	4.0	0.0	2.0	2.0	4.0	1.0	1.0	1.0	4.0	3.0	5.0	2.0
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	3.0	0.0	3.0	0.0	4.0	0.0	2.0	2.0	4.0	1.0	1.0	1.0	4.0	3.0	5.0	2.0
Max. Temp. (°C)	30.1	29.7	28.9	27.7	26.3	25.7	25.0	24.1	24.0	24.3	25.4	25.9	26.9	27.7	28.6	29.3	30.9	
Min. Temp. (°C)	18.3	17.3	15.7	15.0	14.1	13.4	12.4	12.0	11.4	11.4	12.0	12.9	13.6	14.6	15.4	16.4	17.4	
Mean Temp. (°C)	24.2	23.5	22.3	21.4	20.2	19.6	18.7	18.1	17.7	17.9	18.7	19.4	20.3	21.2	22.0	22.9	24.2	
RHmax (%)	94.1	93.9	93.9	93.7	94.6	94.3	94.6	94.1	94.3	94.3	93.9	93.1	92.1	91.4	90.4	88.7	89.1	
RHMin (%)	49.9	48.3	47.0	48.1	50.6	50.6	50.0	50.9	49.0	47.7	46.0	44.9	41.4	40.3	39.1	38.0	36.9	
RHmean (%)	72.0	71.1	70.5	70.9	72.6	72.5	72.3	72.5	71.7	71.0	70.0	69.0	66.8	65.9	64.8	63.4	63.0	
SShr (hrs)	55.0	56.0	56.0	54.0	48.0	49.0	46.0	44.0	44.0	46.0	50.0	50.0	52.0	53.0	56.0	60.0	59.0	
WD (deg)	202	205	217	222	232	249	248	258	247	239	252	249	233	234	229	235	230	
WS(Km/hr)	3.7	3.7	3.7	3.7	3.9	3.7	3.7	4.3	5.4	4.8	5.0	5.4	5.6	5.6	6.7	5.7	6.3	
																		
	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																		
Bright sunny days																		
daily consumptive water use	0.17 to 0.87																	
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	Tem perat ure 22-25°C, Relat ive humi dity 60-85%																	
Black point	Rain during ripening																	
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				>100mm/day						
Duration of wet spell	>50 mm for 3-4 days			>75 mm for 3-4 days				>50mm for 3-4 days				>50mm for 3-4 days						
Cloudy Weather	Cloudy Weather																	
Drought	20 days																	
High wind	>50 km/hr																	
Maximum Temperature	>30°C																	
Minimum Temperature	<15°C																	