







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

Region: Bogura	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	3.0	0.0	3.0	0.0	4.0	0.0	2.0	2.0	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, and	3 to 4.5 ⁰ C				cooler nights
Optimum temperature	Around 25 ⁰ C				
Maximum Cardinal temperature	30- 32 ⁰ C				
Mean Daily Temperature		15 to 20 ⁰ C	15 to 20 ⁰ C		
Soil Moisture	High				dryness
Solar radiation					Bright sunny days
daily cu		0.17 to 0.87	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 ⁰ C	>30 ⁰ C	>30 ⁰ C
Minimum Temperature	<15 ⁰ C	<15 ⁰ C	<15 ⁰ C

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 ⁰ C, rain and high dew			
Loose smut			Temperature 22-25 ⁰ C, Relative humidity 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%			