







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 temperature				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 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 ⁰ C				>30 ⁰ C				>30 ⁰ C									
Minimum Temperature				<15 ⁰ C				<15 ⁰ C				<15 ⁰ C									
Congenial Weather Condition for Pests & Diseases																					
Blast		Continuous rains and average temperatures between 18-20 ⁰ C during the flowering stage of the crop followed by sunny weather and humid days. Intensity increases at 30 ⁰ C temperature with high relative humidity																			
Leaf rust								Temperature 15-25 ⁰ C, rain and high dew													
Loose smut												Tem perat ure 22- 25 ⁰ 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 ⁰ C, 22.2-26.3 ⁰ C and 26.9-29.5 ⁰ C, respectively. Average relative humidity of 80 per cent and rainfall													
Aphid								Mean temperature 18.7 ⁰ C and relative humidity percentage 71.0%, mean weekly temperature 29.1 ⁰ C and relative humidity 55%													