







Crop Weather Calendar of Wheat: Rajshahi Region (Districts: Rajshahi, Chapainawabganj, Naogaon and Natore) Bangladesh

Region: Rajshahi	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)	1.0	0.0	2.0	1.0	3.0	0.0	4.0	1.0	1.0	2.0	1.0	4.0	3.0	2.0	3.0	5.0	4.0		
Max. Temp. (°C)	29.6	28.9	28.3	27.0	26.0	25.4	24.4	24.0	23.9	24.0	24.9	25.6	26.7	28.1	29.3	30.4	32.1		
Min. Temp. (°C)	17.6	16.6	15.0	14.0	13.1	12.4	11.6	11.0	10.9	10.9	10.9	12.0	12.3	13.6	14.1	15.1	16.4		
Mean Temp. (°C)	23.6	22.8	21.7	20.5	19.6	18.9	18.0	17.5	17.4	17.5	17.9	18.8	19.5	20.9	21.7	22.8	24.3		
RHmax (%)	95.7	95.3	94.7	94.7	95.9	95.3	95.7	95.6	95.1	95.3	95.3	95.3	94.0	93.9	92.0	91.6	90.3		
RHMin (%)	49.4	47.4	45.6	46.9	50.1	50.0	50.0	50.1	48.4	47.9	45.7	44.7	42.0	40.3	36.6	34.6	32.7		
RHmean (%)	72.6	71.4	70.2	70.8	73.0	72.7	72.9	72.9	71.8	71.6	70.5	70.0	68.0	67.1	64.3	63.1	61.5		
SShr (hrs)	54.0	55.0	55.0	51.0	47.0	46.0	44.0	42.0	42.0	46.0	52.0	51.0	55.0	56.0	58.0	59.0	59.0		
WD (deg)	151	146	145	143	146	144	167	146	161	174	196	198	195	197	215	209	220		
WS(Km/hr)	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.9	3.7	3.7	4.4	3.9	5.0	3.9	5.0	5.0	5.4		
																			
	sowing		Germination		Vegetative Growth				Flowe ring	Grain Formation				Maturity to Harvesting					
Favorable Weather Conditions																			
Minimum temperature				3 to 4.5°C												cooler nights			
Optimum temperature				Around 25°C															
Maximum Cardinal temperature				30- 32°C															
Mean Daily Temperature								15 to 20°C				15 to 20°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°C				>30°C				>30°C							
Minimum Temperature				<15°C				<15°C				<15°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°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%																		