







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

Region: Rajshahi	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)	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	
<b>Favourable Weather Conditions</b>																	
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	15 to 20° C																
dryness	dryness																
Bright sunny days	Bright sunny days																
daily consumptive water use	0.17 to 0.87																
Normal Phase wise water requirement (mm)	47				128				77				137			39	
<b>Congenial Weather Condition for Pests &amp; Diseases</b>																	
<b>Blast</b>	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																
<b>Leaf rust</b>	Temperature 15-25°C, rain and high dew																
<b>Loose smut</b>	Tem perat ure 22-25°C, Relat ive humi dity 60-85%																
<b>Black point</b>	Rain during ripening																
<b>Stem borer</b>	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																
<b>Aphid</b>	Mean temperature 18.7°C and relative humidity percentage 71.0%, mean weekly temperature 29.1 °C and relative humidity 55%																
<b>Weather Warning</b>																	
Rainfall	>50 mm/day				>100mm/day				>100mm/day				>50mm for 3-4 days				
Duration of wet spell	>50 mm for 3-4 days				>75 mm for 3-4 days				Cloudy Weather				Cloudy Weather				
Cloudy Weather	Cloudy Weather																
Drought	20 days																
High wind	>50 km/hr				>50 km/hr				>50 km/hr				>50 km/hr				
Maximum Temperature	>30°C																
Minimum Temperature	<15°C																