







Crop Weather Calendar of Wheat: Rangpur Region (Districts: Rangpur, Kurigram, Gaibandha, Nilphamari, Lalmonirhat) Bangladesh

Region: Rangpur	Wheat											Duration: 119 days							
	October			November				December				January			February				
Months	42	43	44	45	46	47	48	49	50	51	52	1	2	3	4	5	6		
Std.Week/Normal	35.5	10.0	4.0	3.0	2.0	0.0	1.0	0.0	2.5	0.0	2.5	1.0	2.5	2.0	1.0	1.0	1.5		
Rainfall (mm)	31.2	30.6	30.0	29.8	29.0	28.3	27.7	26.7	25.1	24.7	24.1	22.7	22.4	23.2	23.4	24.7	25.9		
Max. Temp. (°C)	22.5	21.0	20.0	19.0	17.5	16.4	15.0	14.2	13.5	12.5	11.5	10.9	10.4	10.8	10.8	11.8	12.7		
Min. Temp. (°C)	26.8	25.8	25.0	24.4	23.3	22.3	21.3	20.4	19.3	18.6	17.8	16.8	16.4	17.0	17.1	18.3	19.3		
Mean Temp. (°C)	95.2	95.0	94.5	94.4	94.6	94.9	94.9	95.0	95.4	95.8	96.1	96.0	96.0	95.8	95.7	95.5	94.3		
RHmax (%)	64.5	60.8	58.7	55.9	54.0	50.9	50.6	53.5	56.2	56.2	55.2	58.5	57.8	56.2	54.2	51.6	48.0		
RHmin (%)	79.9	77.9	76.6	75.1	74.3	72.9	72.7	74.2	75.8	76.0	75.6	77.3	76.9	76.0	74.9	73.5	71.2		
SShr (hrs)	51.5	56.5	55.5	55.0	52.0	54.0	53.0	49.5	41.5	42.5	40.0	36.0	36.5	39.5	41.0	44.0	48.5		
WD (deg)	134	127	115	106	126	134	150	129	158	160	187	199	214	199	210	208	192		
WS(Km/hr)	6.3	6.1	6.6	6.6	6.3	6.4	5.6	6.0	5.7	5.6	5.6	5.7	5.7	5.7	5.6	6.2	6.6		
																			
	sowing			Germination				Vegetative Growth				Flowe ring	Grain Formation			Maturity to Harvesting			
Favourable 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				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										
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										