







Crop Weather Calendar of Wheat: Sylhet Region (Districts: Sylhet, Moulvibazar, Sunamganj, Habiganj) Bangladesh

Region: Sylhet	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)	8.5	0.5	7.0	0.5	4.5	1.0	4.0	0.0	0.5	0.5	1.0	2.5	4.0	8.0	11.5	11.0	10.5		
Max. Temp. (°C)	29.6	29.0	28.2	27.8	26.9	26.1	25.7	25.3	24.7	25.1	25.8	26.5	27.2	28.2	28.9	30.0	31.0		
Min. Temp. (°C)	17.3	16.6	15.3	14.3	13.7	12.6	12.0	11.4	11.3	11.3	11.1	12.1	12.6	13.7	14.4	15.4	16.7		
Mean Temp. (°C)	23.5	22.8	21.7	21.1	20.3	19.3	18.8	18.3	18.0	18.2	18.4	19.3	19.9	21.0	21.6	22.7	23.8		
RHmax (%)	95.2	95.3	95.5	94.7	95.7	95.3	96.1	95.8	96.1	95.5	94.9	94.3	92.9	92.8	92.5	91.7	90.9		
RHMin (%)	56.2	54.4	53.5	51.4	53.6	53.0	52.7	53.5	53.9	50.7	48.1	45.8	42.3	42.5	41.7	40.8	41.1		
RHmean (%)	75.7	74.9	74.5	73.0	74.6	74.2	74.4	74.6	75.0	73.1	71.5	70.1	67.6	67.7	67.1	66.2	66.0		
SShr (hrs)	55.5	56.5	56.0	55.5	50.5	51.5	50.5	51.0	45.0	48.0	51.0	50.5	55.0	53.5	55.5	56.0	55.0		
WD (deg)	180	184	190	177	186	191	203	200	211	213	219	213	218	217	208	219	203		
WS(Km/hr)	4.3	4.6	4.3	4.2	4.5	4.5	4.3	4.6	4.9	5.1	4.8	6.1	6.5	6.9	7.1	6.8	6.8		
																			
	sowing			Germination				Vegetative Growth				Flowe ring	Grain Formation				Maturity to Harvesting		
Favorable 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			
Leaf rust			Temperature 15-25 ⁰ C, rain and high dew
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%