







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	

Favourable Weather Conditions					
Minimum, and	3 to 4.5 ^o C				cooler nights
Optimum temperature	Around 25 ^o C				
Maximum Cardinal temperature	30- 32 ^o C				
Mean Daily Temperature		15 to 20 ^o C	15 to 20 ^o C		
Soil Moisture	High				dryness
Solar radiation					Bright sunny days
daily cu		0.17 to 0.87	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 ^o C	>30 ^o C	>30 ^o C
Minimum Temperature	<15 ^o C	<15 ^o C	<15 ^o 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%		