



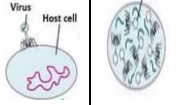







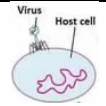






Crop disease weather calendar of the Rabi season Chili (Leaf curl disease): Sylhet Region (Districts: Sylhet, Molvi bazar, Habigonj, Sunamgonj) Bangladesh

Sylhet Region		Rabi Season Chillil: Leaf curl disease								Life span 150-160 days												
Weather warning	Months	December				January				February			March				April					
	Max. Temp. (°C)	Vector (White fly) population and virus transmission increased at 35 °C																				
	Min. Temp. (°C)	Vector (White fly) population and virus transmission favored above 15 °C																				
	RH Max (%)	Disease development favored by certain rising relative humidity																				
	RH Min (%)	Disease development correlated with relative humidity as the humidity decreased the disease incident decreased																				
	Rainfall (mm)	Disease development favored by certain rainfall																				
Weekly normal weather	Std.Week/Normal	49	50	51	52	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
	Rainfall (mm)	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	17.5	34.0	48.5	65.5	59.0	78.5	85.5
	Max. Temp. (°C)	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	31.6	32.1	31.8	32.1	32.5	32.0	31.7
	Min. Temp. (°C)	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	18.0	19.2	20.0	20.8	21.4	21.8	21.8
	RHmax (%)	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	90.7	90.2	91.7	92.3	92.2	93.1	93.2
	RHMin (%)	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	41.0	45.0	50.9	53.5	54.7	58.2	59.7
	SShr (hrs)	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	56.0	51.0	47.0	50.5	51.0	48.5	46.5
Stage																						
	Spouting & Seedling					vegetative growth				Flowering & fruiting				Harvesting								
Diseas Life Cycle																						
	Virus attachment on host cell		Penetration, Replication & release	Transmission	Disease development	Virus attachment on host cell to Disease development process continued up to maturity																

Crop disease weather calendar of the Kharif season Chili (Leaf curl disease): Sylhet Region (Districts: Sylhet, Molvi bazar, Habigonj, Sunamgonj) Bangladesh

Sylhet Region		Rabi Season Chilli: Leaf curl disease										Life span 150-160 days														
Weather warning	Months	April					May					June					July					August				
	Max. Temp. (°C)	Vector (White fly) population and virus transmission increased at 35 °C																								
	Min. Temp. (°C)	Vector (White fly) population and virus transmission favored above 15 °C																								
	RH Max (%)	Disease development favored by certain rising relative humidity																								
	RH Min (%)	Disease development correlated with relative humidity as the humidity decreased the disease incident decreased																								
	Rainfall (mm)	Disease development favored by certain rainfall																								
Weekly normal weather	Std.Week/Normal	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35			
	Rainfall (mm)	65.5	59.0	78.5	85.5	102.5	107.5	122.0	116.5	148.5	152.0	168.0	129.5	137.5	130.0	110.0	129.5	129.0	123.5	103.0	118.5	105.0	96.0			
	Max. Temp. (°C)	32.1	32.5	32.0	31.7	31.5	31.6	31.9	32.2	31.5	31.9	31.6	31.9	31.9	31.7	32.0	31.8	32.2	32.3	32.8	32.2	32.2	32.5			
	Min. Temp. (°C)	20.8	21.4	21.8	21.8	22.0	22.7	23.2	23.6	24.0	24.4	24.9	25.0	25.0	25.0	25.2	25.0	25.0	25.1	25.3	25.2	25.0	25.0			
	RHmax (%)	92.3	92.2	93.1	93.2	94.0	94.6	94.7	94.9	95.2	95.8	96.0	96.2	96.0	95.9	96.0	96.1	96.2	96.4	96.2	96.4	96.3	96.3			
	RHMin (%)	53.5	54.7	58.2	59.7	63.1	64.2	65.6	67.2	70.6	71.8	73.6	73.7	74.0	73.9	73.4	74.2	72.6	72.4	70.9	72.8	73.0	72.4			
	SShr (hrs)	50.5	51.0	48.5	46.5	45.0	43.5	43.5	38.5	33.5	31.5	26.0	27.5	23.5	25.0	27.0	26.0	30	33.0	33.5	29.5	32.5	33.5			
Stage																										
	Spouting & Seedling					vegetative growth					Flowering & fruiting					Harvesting										
Disease Life Cycle																										
	Virus attachment on host cell	Penetration, Replication & release				Transmission	Disease development	Virus attachment on host cell to Disease development process continued up to maturity																		