



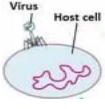








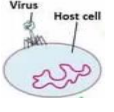









Crop disease weather calendar of the Rabi season Chili (Leaf curl disease): Rajshahi Region (Districts:Rajshahi, Chapainawabgonj, Naoga, Natore) Bangladesh

Rajshahi Region		Rabi Season Chili: Leaf curl disease													Life span 170-180 days									
Weather warming	Months	November					December					January			February				March					
	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	44	45	46	47	48	49	50	51	52	1	2	3	4	5	6	7	8	9	10	11	12	13	
	Rainfall (mm)	7.0	5.0	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	3.0	4.0	14.0	
	Max. Temp. (°C)	31.7	31.0	30.4	30.4	29.6	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	33.1	34.6	35.0	
	Min. Temp. (°C)	23.1	21.4	20.7	19.3	17.6	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	17.6	19.4	20.6	
	RHmax (%)	96.1	96.0	95.9	96.1	95.7	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	88.7	88.3	89.1	
	RHMin (%)	60.9	57.4	55.9	51.9	49.4	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	30.4	30.4	35.9	
	SShr (hrs)	53.0	56.0	55.0	57.0	54.0	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	59.0	59.0	52.0	
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																		

Crop disease weather calendar of the Kharif season Chili(Leaf curl disease): Rajshahi Region (Districts:Rajshahi, Chapainawabgonj, Naoga, Natore) Bangladesh

Rajshahi Region		Kharif Season Chili: Leaf curl disease											Life span 170-180 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)	13.0	10.0	19.0	17.0	24.0	29.0	33.0	36.0	34.0	48.0	51.0	78.0	72.0	66.0	71.0	75.0	72.0	52.0	57.0	64.0	53.0	57.0			
	Max. Temp. (°C)	36.1	36.7	36.4	35.9	35.4	35.3	35.1	35.0	35.3	35.0	33.9	33.1	33.0	32.7	32.9	32.3	32.6	32.9	32.9	32.7	33.0	33.0			
	Min. Temp. (°C)	22.1	23.0	23.4	23.9	23.7	24.3	24.6	25.0	25.4	25.9	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.1	26.0	26.1	26.0			
	RHmax (%)	88.9	89.0	90.1	90.7	92.1	92.7	93.3	93.1	93.7	94.6	95.4	96.1	96.6	96.6	96.9	97.0	96.9	96.7	96.6	96.7	96.1	96.4			
	RHMin (%)	34.3	34.6	41.4	45.1	50.0	51.9	55.6	58.3	58.9	62.6	67.9	71.1	73.4	73.7	74.3	75.3	73.9	72.6	72.6	74.1	72.0	70.9			
	SShr (hrs)	57.0	57.0	57.0	56.0	52.0	53.0	54.0	48.0	51.0	48.0	35.0	31.0	31.0	30.0	30.0	30.0	34.0	34.0	36.0	33.0	34.0	40.0			
Stage																										
		Spouting & Seedling					vegetative growth					Flowering & fruiting					Harvesting									
Disease Life Cycle										Virus attachment on host cell to Disease development process continued up to maturity																
		Virus attachment on host cell	Penetration, Replication & release	Transmission	Disease development																					