



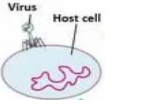








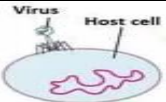










**Crop disease weather calendar of the Rabi season Chili( Leaf curl disease):Dinajpur Region (Districts:Dinajpur, Thakurgaon, Panchagaor) Bangladesh**

Dinajpur Region		Rabi Season Chilli: Leaf curl disease								Life span: 150-160 days													
Weather warming	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)	0.0	3.0	0.0	4.0	2.0	2.0	3.0	2.0	1.0	2.0	3.0	1.0	1.0	1.0	4.0	2.0	7.0	8.0	8.0	25.0	23.0	
	Max. Temp. (°C)	27.0	25.4	24.9	23.9	22.6	22.4	23.0	23.7	25.0	25.9	26.7	27.7	28.6	30.1	31.1	32.0	32.1	33.0	33.4	33.0	32.4	
	Min. Temp. (°C)	13.3	12.9	12.0	10.9	10.7	10.3	10.0	10.6	11.1	12.1	13.6	14.1	15.0	16.1	17.1	18.6	19.7	20.4	21.1	22.0	22.0	
	RHmax (%)	96.1	96.4	96.3	96.6	96.7	96.3	96.4	95.9	94.7	94.0	93.4	92.0	90.6	88.9	87.6	86.0	87.1	86.6	87.4	89.4	91.1	
	RHMin (%)	49.0	52.9	52.7	54.0	55.1	53.7	52.4	50.4	47.7	43.1	42.4	40.9	38.4	35.3	35.1	36.4	43.3	40.9	43.4	50.9	53.7	
	SShr (hrs)	48.0	42.0	41.0	37.0	34.0	34.0	37.0	41.0	44.0	46.0	52.0	54.0	57.0	59.0	59.0	55.0	49.0	52.0	55.0	49.0	50.0	
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): Dinajpur Region (Districts: Dinajpur, Thakurgaon, Panchagaor) Bangladesh

Dinajpur Region		Rabi Season Chilli: Leaf curl disease														Life span 150-160 days							
Weather warming	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)	8.0	8.0	25.0	23.0	31.0	36.0	57.0	55.0	73.0	57.0	77.0	111.0	96.0	109.0	105.0	81.0	84.0	70.0	60.0	93.0	103.0	71.0
	Max. Temp. (°C)	33.0	33.4	33.0	32.4	32.3	32.9	33.0	33.0	33.4	33.3	33.0	32.3	32.4	32.0	32.1	32.1	32.3	32.9	32.6	32.4	32.1	32.4
	Min. Temp. (°C)	20.4	21.1	22.0	22.0	22.3	22.9	23.6	24.0	24.4	25.0	25.1	25.6	26.0	26.0	26.0	26.0	26.0	26.3	26.7	26.1	26.0	26.0
	RHmax (%)	86.6	87.4	89.4	91.1	92.3	92.0	92.1	92.4	92.7	93.4	93.9	94.7	94.4	95.1	94.6	94.4	94.7	94.1	94.0	95.0	95.7	95.6
	RHMin (%)	40.9	43.4	50.9	53.7	57.6	57.3	59.3	62.4	62.3	65.4	67.7	71.4	71.6	73.3	72.7	71.9	71.6	70.1	70.9	72.6	73.1	71.6
	SShr (hrs)	52.0	55.0	49.0	50.0	49.0	51.0	48.0	44.0	42.0	40.0	35.0	27.0	31.0	27.0	29.0	31.0	36.0	36.0	37.0	34.0	34.0	37.0
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													