



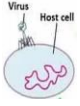






### Crop disease weather calendar of the Rabi season Chili (Leaf curl disease): Cumilla Region (Districts: Cumilla, Chandpur, B.Barria) Bangladesh

Cumilla Region		Rabi Season Chili: Leaf curl disease													Life span: 120-130 days														
Weather warning	Months	October					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	40	41	42	43	44	45	46	47	48	49	50	51	52	1	2	3	4	5	6	7	8	9	10	11	12	13		
	Rainfall (mm)	51.0	46.5	30.5	16.0	11.5	18.0	8.5	4.0	2.5	0.0	4.5	1.0	1.5	0.0	0.0	0.0	1.5	3.0	3.0	6.0	7.5	4.5	7.0	9.0	19.0	27.0		
	Max. Temp. (°C)	32.3	31.9	31.8	31.2	31.0	30.5	29.8	29.0	28.2	27.7	26.5	25.8	25.4	24.7	24.5	25.0	25.4	16.2	27.3	28.1	29.1	29.8	30.9	32.0	32.2	32.5		
	Min. Temp. (°C)	25.4	24.7	24.3	22.8	21.8	21.0	19.3	18.1	16.9	15.8	15.0	14.2	13.4	13.0	12.7	12.7	12.6	14.2	14.5	16.2	16.7	18.1	19.2	19.9	21.5	22.0		
	RHmax (%)	95.6	95.7	95.5	95.2	95.3	95.6	95.3	95.4	95.8	95.8	96.2	96.0	96.0	96.0	95.5	95.3	94.4	94.6	94.4	93.9	94.1	93.9	93.9	93.5	93.7	94.0		
	RHMin (%)	70.2	68.1	65.8	61.9	60.6	58.2	54.8	52.6	52.2	50.6	51.9	52.1	51.3	51.8	51.2	49.1	46.4	47.7	45.2	46.8	46.1	46.8	47.4	47.7	52.6	55.9		
	SShr (hrs)	39.0	43.0	44.5	50.5	47.0	49.5	50.0	50.5	48.5	47.5	42.5	40.5	40.0	40.0	37.0	43.5	47.0	47.0	50.0	49.5	50.5	52.5	52.5	52.5	51.0	48.5		
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																				

### Crop disease weather calendar of the Kharif season Chili (Leaf curl disease): Cumilla Region (Districts: Cumilla, Chandpur, B.Baria) Bangladesh

Cumilla Region		<b>Rabi Season Chili: Leaf curl disease</b>																								Life span: 170-180 days					
Weather warming	Months	March					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	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35				
	Rainfall (mm)	7.0	9.0	19.0	27.0	25.5	23.0	33.0	42.0	54.5	63.5	66.0	71.0	80.0	74.0	98.5	88.5	97.5	96.0	88.0	107.0	95.0	84.0	66.5	82.5	73.0	66.0				
	Max. Temp. (°C)	30.9	32.0	32.2	32.5	32.5	33.0	33.2	33.1	32.9	33.2	33.2	32.9	33.1	32.7	31.9	31.9	31.4	31.2	31.5	31.3	31.5	32.0	32.0	31.9	32.0	32.0				
	Min. Temp. (°C)	19.2	19.9	21.5	22.0	23.1	23.5	23.7	23.5	23.7	24.3	24.7	25.2	25.6	25.8	25.7	26.0	26.0	26.0	26.0	25.7	26.0	25.9	26.0	26.0	26.0	25.9				
	RHmax (%)	93.9	93.5	93.7	94.0	94.1	93.8	93.9	94.1	94.2	94.0	94.5	94.3	94.6	95.0	95.0	95.2	95.2	95.4	95.0	95.5	95.3	94.9	94.8	94.9	95.3	95.0				
	RHMin (%)	47.4	47.7	52.6	55.9	58.7	59.6	60.9	61.7	63.0	63.5	64.8	66.7	69.0	70.9	73.9	75.1	76.8	76.8	75.9	76.6	75.2	74.2	73.9	74.8	74.0	73.4				
	SShr (hrs)	52.5	52.5	51.0	48.5	51.0	52.0	52.5	51.0	47.5	47.5	46.5	41.0	38.0	36.0	26.5	29.0	26.0	23.5	30.0	26.5	31.0	30.0	31.5	32.0	30.5	34.5				
Stage																															
	Spouting & Seedling					vegetative growth					Flowering & fruiting					Harvesting															
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										