



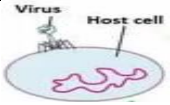








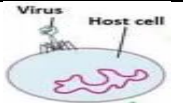











**Crop disease weather calendar of the Rabi season Chili (Leaf curl disease):JashoreRegion (Districts: Jashore, Kushtia, Chuadanga, Jhenaidah, Meherpur, Magura)
Bangladesh**

Region: Jashore		Rabi Season Chilli: Leaf curl disease													Life span 170-180 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)	44.5	33.0	26.5	20.0	9.0	8.0	7.5	1.0	2.0	1.5	4.0	0.0	3.5	0.5	1.5	2.5	3.0	6.5	5.0	4.5	8.0	4.0	2.5	4.5	11.5	12.0	
	Max. Temp. (°C)	33.2	33.0	32.7	31.9	31.1	31.1	30.3	29.6	28.5	27.7	26.6	25.7	25.2	24.5	24.5	25.1	25.6	26.6	27.8	28.9	30.0	31.0	32.4	33.6	34.7	34.6	
	Min. Temp. (°C)	25.1	24.4	23.4	21.6	20.7	19.4	18.0	16.7	15.1	14.0	13.4	12.3	11.4	10.9	10.7	11.0	10.8	12.0	13.3	14.7	15.6	16.4	17.7	19.0	20.8	21.8	
	RHmax (%)	96.5	96.5	96.5	96.1	95.9	95.9	95.7	95.7	95.4	95.2	95.8	95.5	95.7	95.4	95.3	95.3	94.9	94.9	94.2	94.0	93.7	93.2	92.5	92.1	92.1	92.4	
	RHMin (%)	67.0	64.4	61.5	57.1	56.2	52.0	49.8	48.1	46.3	47.2	49.2	49.4	47.9	49.6	47.9	47.0	44.7	44.2	42.2	41.0	39.3	36.5	35.4	34.9	36.7	42.0	
	SShr (hrs)	40.0	43.5	47.0	49.0	45.5	48.5	49.5	47.5	48.5	47.5	43.5	42.0	42.0	41.0	42.5	44.5	48.0	48.5	49.5	50.0	54.5	55.0	54.0	55.0	53.0	51.5	
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 chilli (Leaf curl disease): Jashore Region (Districts: Jashore, Kushtia, Chuadanga, Jhenaidah, Meherpur, Magura) Bangladesh

Region: Jashore		<i>kharif</i> Season Chilli: Leaf curl disease																	Life span 170-180 days									
Weather warming	Months	April					May					June					July		August			September						
	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	36	37	38	39	
	Rainfall (mm)	11.5	7.0	12.5	21.5	28.5	30.5	36.0	44.5	38.5	49.5	54.5	81.0	72.5	82.0	72.0	83.5	73.0	63.5	56.0	68.0	48.5	50.5	52.5	68.0	59.0	69.5	
	Max. Temp. (°C)	35.5	36.1	36.5	36.3	36.0	36.0	35.9	35.5	35.6	35.3	34.0	33.3	33.0	32.7	32.9	32.7	32.7	33.0	32.8	32.7	33.1	33.3	32.9	32.9	33.0	33.2	
	Min. Temp. (°C)	22.8	23.5	24.1	24.2	24.2	25.2	25.0	25.5	26.0	26.2	26.2	26.1	26.2	26.0	26.1	26.2	26.2	26.0	26.2	26.0	26.1	26.0	26.0	26.0	26.0	25.3	
	RHmax (%)	92.4	92.9	92.4	92.3	92.8	92.7	93.1	93.6	94.0	94.1	94.8	95.7	96.0	96.1	96.1	96.1	96.1	96.0	96.2	96.5	96.2	96.2	96.4	96.6	96.3	96.6	
	RHMin (%)	41.5	41.6	44.3	46.9	49.9	51.7	54.8	58.7	60.0	62.1	67.5	71.7	73.5	74.4	73.4	74.6	73.4	72.6	73.0	73.0	71.7	71.0	71.5	70.8	69.7	67.7	
	SShr (hrs)	55.5	54.5	54.5	55.5	54.0	51.5	52.5	46.5	45.5	41.5	32.0	26.5	26.0	24.5	29.0	25.0	29.5	32.5	30.0	28.0	30.5	32.5	31.5	33.0	32.5	38.5	
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																			