



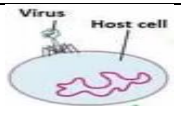








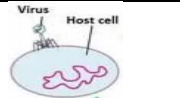






## Crop disease weather calendar of the Rabi season Chili (Leaf curl disease): Rongpur Region (Districts: Rongpur, Lalmonirhat, Nilphamari, Kurigram, Gaibandha) Bangladesh

Rongpur Region		<i>Rabi Season Chili: Leaf curl disease</i>										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)	0.0	2.5	0.0	2.5	1.0	2.5	2.0	1.0	1.0	1.5	3.5	1.5	2.5	1.0	2.5	5.5	18.5	11.0	19.5	28.5	31.5				
	Max. Temp. (°C)	26.7	25.1	24.7	24.1	22.7	22.4	23.2	23.4	24.7	25.9	26.7	27.5	28.5	29.9	30.8	31.6	31.4	32.1	32.5	32.3	32.0				
	Min. Temp. (°C)	14.2	13.5	12.5	11.5	10.9	10.4	10.8	10.8	11.8	12.7	13.7	14.4	15.3	16.1	17.3	18.4	19.5	20.3	21.1	21.9	21.9				
	RHmax (%)	95.0	95.4	95.8	96.1	96.0	96.0	95.8	95.7	95.5	94.3	93.7	92.9	91.4	89.8	88.7	88.1	87.7	88.5	88.4	89.9	90.9				
	RHMin (%)	53.5	56.2	56.2	55.2	58.5	57.8	56.2	54.2	51.6	48.0	47.1	45.3	42.8	39.6	40.8	42.5	48.8	49.7	50.7	56.7	59.0				
	SShr (hrs)	49.5	41.5	42.5	40.0	36.0	36.5	39.5	41.0	44.0	48.5	50.0	51.5	56.5	57.5	57.0	54.0	49.0	51.5	51.0	47.5	47.0				
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): Rongpur Region (Districts: Rongpur, Lalmonirhat, Nilphamari, Kurigram, Gaibandha) Bangladesh

Rongpur Region		<b>Kharif Season Chilli: Leaf curl disease</b>										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	16	17	18	19	20			
	Rainfall (mm)	11.0	19.5	28.5	31.5	50.0	40.0	65.0	61.5	87.0	106.5	90.5	109.5	91.0	106.0	116.0	83.0	92.0	28.5	31.5	50.0	40.0	65.0			
	Max. Temp. (°C)	32.1	32.5	32.3	32.0	31.9	32.5	32.7	32.2	32.8	32.7	32.4	32.0	32.2	32.3	31.9	32.2	32.4	32.3	32.0	31.9	32.5	32.7			
	Min. Temp. (°C)	20.3	21.1	21.9	21.9	22.3	23.2	23.4	23.9	24.4	25.0	25.2	25.8	26.0	26.0	26.0	26.0	26.1	21.9	21.9	22.3	23.2	23.4			
	RHmax (%)	88.5	88.4	89.9	90.9	92.5	92.2	92.9	92.8	93.3	93.9	94.2	94.9	94.7	95.0	94.8	94.5	94.5	89.9	90.9	92.5	92.2	92.9			
	RHMin (%)	49.7	50.7	56.7	59.0	62.0	62.0	62.9	65.8	66.7	69.0	70.7	73.7	73.6	73.8	74.6	73.3	71.9	56.7	59.0	62.0	62.0	62.9			
	SShr (hrs)	51.5	51.0	47.5	47.0	46.5	47.5	49.0	41.0	40.5	38.0	31.5	27.0	28.0	27.0	30.5	30.0	34.0	47.5	47.0	46.5	47.5	49.0			
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											