











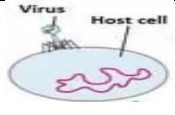






Crop disease weather calendar of the Rabi season Chili (Leaf curl disease): Khulna Region (Districts: Khulna, Norail, Bagerhat & sathkhira) Bangladesh

Khulna Region		Rabi Season Chilli: Leaf curl disease																								Life span 170-180 days							
Weather warming	Months	November						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	45	46	47	48	49	50	51	52	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17							
	Rainfall (mm)	13.0	8.0	3.0	3.5	1.0	4.0	0.0	1.0	3.0	1.5	0.0	3.5	5.5	6.5	5.0	13.5	6.5	2.5	6.5	13.5	16.0	12.5	12.5	17.5	25.0							
	Max. Temp. (°C)	31.0	30.1	29.5	28.5	27.7	27.0	26.0	25.6	25.0	25.0	25.8	26.2	27.0	27.7	29.0	30.1	31.0	32.4	33.4	34.1	34.0	35.0	35.2	35.2	35.2							
	Min. Temp. (°C)	20.6	19.3	18.0	16.3	15.3	14.5	13.4	12.6	12.2	12.2	12.7	12.4	13.9	14.5	16.2	17.0	18.1	19.4	20.4	22.0	22.7	24.0	24.3	24.9	25.0							
	RHmax (%)	95.6	95.9	95.8	95.5	94.7	95.7	95.8	95.7	95.4	95.2	94.9	94.9	95.1	94.5	94.3	94.3	93.7	93.7	93.5	94.5	94.1	94.3	93.7	93.3	93.2							
	RHMin (%)	53.9	51.3	49.0	46.7	47.3	48.8	49.2	47.8	48.7	46.9	46.8	44.3	44.9	43.4	43.9	41.8	40.7	40.7	40.2	44.2	47.3	48.8	49.2	52.4	53.7							
	SShr (hrs)	53.5	52.5	53.5	53.0	52.0	49.5	48.0	48.5	47.0	46.5	49.5	53.0	52.5	53.5	55.5	55.5	57.5	57.5	59.0	57.0	56.5	59.0	60.0	61.5	58.0							
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): Khulna Region (Districts: Khulna, Norail, Bagerhat & sathkhira) Bangladesh

Khulna Region		<i>Kharif Season Chili: Leaf curl disease</i>																								Life span 170-180 days	
Weather warning	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	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)	17.5	25.0	31.5	32.5	37.0	47.5	50.0	52.0	77.5	79.0	93.5	92.0	74.5	94.0	76.5	79.5	69.0	76.5	63.0	60.5	66.0	65.0	59.5	76.5		
	Max. Temp. (°C)	35.2	35.2	35.1	35.2	35.3	35.1	35.0	34.7	33.4	32.7	32.3	32.0	32.1	31.8	32.1	32.1	32.1	32.0	32.4	32.5	32.1	32.3	32.8	32.8		
	Min. Temp. (°C)	24.9	25.0	25.0	25.3	25.8	26.0	26.4	26.8	26.2	26.3	26.1	26.0	26.2	26.1	26.1	26.0	26.4	26.1	26.4	26.2	26.0	26.0	26.0	25.8		
	RHmax (%)	93.3	93.2	93.0	93.1	93.4	93.7	93.9	94.2	95.1	95.7	95.8	96.0	95.5	95.9	95.8	95.6	95.6	96.1	96.0	95.9	96.2	96.5	96.7	96.7		
	RHMin (%)	52.4	53.7	55.3	57.4	57.9	60.7	62.0	64.9	70.2	73.3	75.1	75.5	74.6	77.0	75.5	74.8	74.5	75.1	73.7	73.7	74.0	73.7	71.6	70.2		
	SShr (hrs)	61.5	58.0	59.5	56.5	55.0	47.0	50.0	41.5	29.5	23.5	25.0	21.5	27.0	24.5	29.0	30.0	29.5	31.0	32.5	31.5	32.0	34.5	36.0	38.0		
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									