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

		Rabi Season Chilli: Leaf curl disease							,	Life span: 150-160 days												
	Months		Dece	mber		Janua	ry			Febru	ary			March	· ·				April			
# p0	Max. Temp. (°C)					•	•	\	ector (W	/hite fly)	population	n and vi	rus trans	mission i	ncreased	at 35 °C						
lithe Pin	Min. Temp. (°C)							Ve	ector (Wh	nite fly) p	opulatio	n and vir	us transm	nission fa	vored ab	ove 15 °C						,
Weather warning	RH Max (%)								Diseas	e develo	pment fa	vored by	certain r	ising rela	ative hum	idity						,
> =	RH Min (%)	Disease development correlated with relative humidity as the humidity decreased the disease incident decreased																				
	Rainfall (mm)	Disease development favored by certain rainfall																				
	Std.Week/Normal	49	50	51	52	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
normal ther	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
lori	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
y n ath	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
ekl	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
Weekly	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																						
	Max. Temp. (°C) Min. Temp. (°C) RH Max (%) RH Min (%) Rainfall (mm) Max. Temp. (°C) Min. Temp. (°C) Min. Temp. (°C) RHmax (%) RHMin (%) SShr (hrs) Max. Max (%) Max. Max (%)		Spouting	& Seedlin	ıg		vegetativ	e growth			Flov	ering & fr	uiting					На	rvesting			
Di	sease Life Cycle	Virus Hor	st cell																		10	
Discuse Ente Cycle			Virus attachment on host cell Penetration, Replication & release			Transmission Disease developm			ment 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

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	Dinajpur Region		Rabi Season Chilli: Leaf curl disease											Life span 150-160 days										
Weather warning	Months	April				May					June				July				August					
	Max. Temp. (°C)					•		Vector (White f	fly) popu	lation a	nd virus	transmi	ssion inc	reased at	35 ℃								
	Min. Temp. (°C)							Vector (W	Vhite fly	y) popula	ation an	d virus	transmis	sion favo	red abov	e 15 °C								
	RH Max (%)							Disea	ase dev	elopmer	nt favor	ed by ce	ertain risi	ng relati	ve humid	ity								
> 5	RH Min (%)					Disease (developn	nent correlat	ted witl	h relative	e humid	lity as th	ne humid	ity decre	ased the	disease ir	ncident (decreas	ed					
	Rainfall (mm)	Disease development favored by certain rainfall																						
	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	
normal her	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	
10r	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	
Weekly	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	
We	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	9	vegetative growth					Flowering & fruiting						Harvesting							
Di	Disease Life Cycle				Virus	Host cell																		
			Virus at host ce				attachment on cell Penetration, Replication & release			mission	Diseas develo			Virus attachment on host cell to Diseas					ease development process continued up to maturity					