



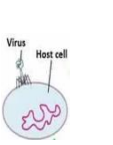




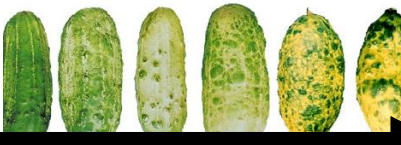




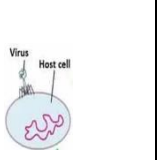








Crop Disease Weather Calendar of *Rabi* season Cucumber (Cucumber Mosaic virus disease): Dhaka Region (Districts: Dhaka, Narayongonj, Gazipur, Kisorgonj, Norosinghdi, Minshigonj, manikgonj, Tangail) Bangladesh

Region: Dhaka		Rabi season Cucumber: Cucumber Mosaic virus disease												Life span: 130-150 days								
Weather warning	Months	November				December				January				February		March						
	Max. Temp. (°C)	32 °C																				
	Min. Temp. (°C)	26 °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 rainfall																				
Weekly normal	Std. Week/Normal	44	45	46	47	48	49	50	51	52	1	2	3	4	5	6	7	8	9	10	11	12
	Rainfall (mm)	12.5	10.0	6.0	1.5	4.5	1.5	4.5	1.0	3.5	1.0	0.0	0.0	0.5	3.5	3.5	2.5	12.0	3.5	4.0	9.5	13.5
	Max. Temp. (°C)	30.9	30.6	29.8	29.0	28.3	27.6	26.2	25.5	24.8	24.0	23.9	24.5	25.0	26.2	27.2	28.3	28.9	30.0	31.5	32.3	33.4
	Min. Temp. (°C)	21.5	20.5	18.7	17.7	16.1	15.5	14.7	13.5	12.9	12.4	12.0	12.0	12.1	13.6	14.3	15.5	16.5	17.5	18.6	19.8	
	RH max (%)	94.5	95.0	94.7	94.6	94.3	94.8	95.3	95.1	95.0	94.6	94.3	93.8	93.4	92.4	92.1	91.7	91.1	90.0	89.9	89.2	89.6
	RH Min (%)	54.6	51.5	49.3	47.5	46.3	47.6	49.4	49.8	49.1	50.3	48.8	46.2	43.3	42.3	39.4	39.7	38.9	36.0	35.5	35.9	38.9
	SS hr (hrs)	49.5	51.5	51.5	52.0	51.5	48.5	46.5	44.5	44.5	42.5	42.5	45.0	49.0	49.5	51.5	53.0	54.5	56.0	55.0	58.0	55.5
Growth stages																						
	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 stage													

Crop Disease Weather Calendar of *Kharif* season Cucumber (Cucumber Mosaic virus disease): Dhaka Region (Districts: Dhaka, Narayongonj, Gazipur, Kisorgonj, Norosinghdi, Minshigonj, manikgonj, Tangail) Bangladesh

Region: Dhaka		Kharif season Cucumber: Cucumber Mosaic virus disease																		Life span: 120-150 days											
Weather warning	Months	March						April			May			June		July															
	Max. Temp. (°C)	32 °C																													
	Min. Temp. (°C)	26 °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 rainfall																													
	Std. Week/Normal	9	10	11			12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30						
Rainfall (mm)	3.5	4.0	9.5			13.5	20.5	25.0	21.0	31.5	42.5	46.0	55.5	55.0	75.5	70.0	72.5	86.5	81.0	77.5	82.5	73.5	91.0	81.5							
Max. Temp. (°C)	30.0	31.5	32.3			33.4	33.2	33.9	34.6	34.1	33.8	33.6	33.7	33.7	33.2	33.5	33.4	32.8	32.2	32.2	32.1	32.0	31.7	32.2							
Min. Temp. (°C)	17.5	18.6	19.8			19.8	21.8	22.9	23.5	23.7	23.6	23.7	24.2	24.6	24.9	25.4	25.8	25.9	26.2	26.2	26.1	26.2	26.0	26.0							
RH max (%)	90.0	89.9	89.2			89.6	90.3	91.3	91.4	91.4	91.7	92.3	92.8	92.9	93.5	93.8	94.0	94.5	94.4	94.7	94.7	94.1	94.5	94.3							
RH Min (%)	36.0	35.5	35.9			38.9	44.5	45.9	47.1	52.0	55.1	56.7	58.6	60.4	63.5	65.0	66.7	69.9	71.5	72.9	73.5	73.1	73.5	71.1							
SS hr (hrs)	56.0	55.0	58.0			55.5	52.5	53.5	54.0	55.0	54.5	51.5	48.0	48.0	42.5	42.0	38.5	31.0	26.0	26.0	27.0	27.5	28.5	32.0							
Growth stages																															
	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 stage																						