





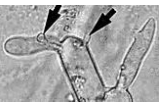







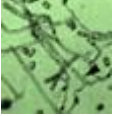





Crop Disease Weather Calendar *Rabi* season Sweet Gourd (Powdery mildew disease): Dhaka region (Districts: Dhaka, Narayanganj, Gazipur, Kishoreganj, Narsingdi, Munshiganj, Manikganj, Tangail), Bangladesh

Region: Dhaka		Rabi season Sweet Gourd: Powdery mildew disease												Duration:120-150 days											
Weather warning	Months	October				November				December				January			February			March					
	Max. Temp. (°C)	For infection: 32 °C and for disease development: 27 °C (warm, dry conditions)																							
	Min. Temp. (°C)	For infection: 10 °C and for disease development: 20 °C																							
	RH Max (%)	90% (Two hour or more hours of high humidity or dew on host)																							
	RH Min (%)	50%																							
	Rainfall (mm)	Lack of rainfall also favors the development of the disease																							
Weekly normal weather	Std. Week/Normal	42	43	44				45	46	47	48	49	50	51	52	1	2	3	4	5	6	7	8	9	10
	Rainfall (mm)	40.5	26.0	12.5				10.0	6.0	1.5	4.5	1.5	4.5	1.5	3.5	1.0	0.0	0.0	0.5	3.5	3.5	2.5	12.0	3.5	4.0
	Max. Temp. (°C)	32.0	31.5	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
	Min. Temp. (°C)	23.8	22.3	21.5				20.5	28.7	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
	RH max (%)	95.0	94.8	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
	RH Min (%)	60.2	55.5	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
	SS hr (hrs)	47.5	54.0	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
Growth Stages																									
		Germination & Seedling						vegetative growth				Flowering & fruiting				Harvesting									
Disease life cycle																									
		Spore deposition		Spore germination		Germ tube penetration		Disease development				Disease cycle continued up to fruiting stage													

Crop Disease Weather Calendar *Kharif* season Sweet Gourd (Powdery mildew disease): Dhaka region (Districts: Dhaka, Narayanganj, Gazipur, Kishoreganj, Narsingdi, Munshiganj, Manikganj, Tangail), Bangladesh

Region: Dhaka		Kharif season Sweet Gourd: Powdery mildew disease																			Duration:130-150 days					
Weather	Months	March					April					May					June					July				
	Max. Temp. (°C)	For infection: 32 °C and for disease development: 27 °C (warm, dry conditions)																								
	Min. Temp. (°C)	For infection: 10 °C and for disease development: 20 °C																								
	RH Max (%)	90% (Two hour or more hours of high humidity or dew on host)																								
	RH Min (%)	50%																								
	Rainfall (mm)	Lack of rainfall also favors the development of the disease																								
Weekly normal weather	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	55.5	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	24.6	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 Stage																									
Germination & Seedling					vegetative growth					Flowering & fruiting					Harvesting											
Disease Life cycle																										
	Spore deposition		Spore germination		Germ tube penetration		Disease development		Disease cycle continued up to fruiting stage																	