





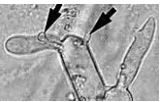







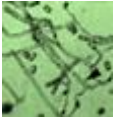
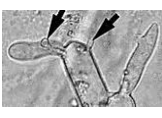




**Crop Disease Weather Calendar of *Rabi* season Pointed gourd (Powdery mildew disease): Dhaka region (Districts: Dhaka, Narayanganja, Gazipur, Kishoreganj, Narsingdi, Munshiganj, Manikganj, Tangail), Bangladesh**

Region: Dhaka		Rabi season Pointed Gourd: Powdery mildew disease																Duration: 100-120 days			
Weather warning	Month	February					March					April					May				
	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	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22		
	Rainfall (mm)	3.5	3.5	2.5	12.0	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		
	Max. Temp. (°C)	26.2	27.2	28.3	28.9	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		
	Min. Temp. (°C)	13.6	14.3	15.5	16.5	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		
	RH max (%)	92.4	92.1	91.7	91.1	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		
	RH Min (%)	42.3	39.4	39.7	38.9	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		
	SS hr (hrs)	49.5	51.5	53.0	54.5	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		
Growth stage																					
	Spouting & 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 of *Kharif* season Pointed gourd (Powdery mildew disease): Dhaka region (Districts: Dhaka, Narayanganja, Gazipur, Kishoreganj, Narsingdi, Munshiganj, Manikganj, Tangail), Bangladesh**

Region: Dhaka		Kharif season Pointed Gourd: Powdery mildew																Duration: 100-120 days				
Weather warning	Month	November						December						January		February						
	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	44	45	46			47	48			49	50	51	52	1	2	3	4	5	6	7	8
	Rainfall (mm)	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
	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
	Min. Temp. (°C)	21.5	20.5	18.7			17.7	16.11			15.5	14.7	13.5	12.9	12.4	12.0	12.0	12.1	13.6	14.3	15.5	16.5
	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
	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
	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
Growth stage																						
		Spouting & 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												