





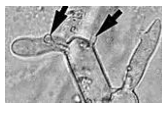







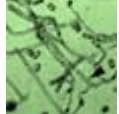
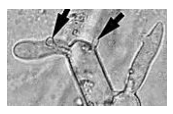




Crop Disease Weather Calendar of *Rabi* season Pointed gourd (Powdery mildew disease): Rajshahi region (Districts:Rajshahi, Chapai Nawabganj, Naogaon, Natore), Bangladesh

Region: Rajshahi		<i>Rabi</i> season Pointed Gourd: Powdery mildew disease														Duration: 100-120 days						
Weather warning	Months	September					October					November				December						
	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	36	37	38					39	40	41	42	43	44	45	46	47	48	49	50	51	52
	Rainfall (mm)	54.0	59.0	52.0					83.0	44.0	35.0	23.0	12.0	7.0	5.0	1.0	0.0	2.0	1.0	3.0	0.0	4.0
	Max. Temp. (°C)	32.9	33.0	33.0					32.9	32.7	32.3	31.7	32.3	31.7	31	29.6	28.9	28.3	27.0	26.0	25.4	24.4
	Min. Temp. (°C)	26.0	26.0	26.0					25.3	25.0	24.1	23.1	24.1	23.1	21.4	17.6	16.6	15.0	14.0	13.1	12.4	11.6
	RH max (%)	96.3	96.7	96.3					96.7	96.3	96.4	96.1	96.4	96.1	96.0	95.7	95.3	94.7	94.7	95.9	95.3	95.7
	RH Min (%)	71.3	71.0	69.9					68.9	67.4	64.3	60.9	64.3	60.9	57.4	49.4	47.4	45.6	46.9	50.1	50.0	50.0
	SS hr (hrs)	35.0	38.0	40.0					43.0	46.0	47.0	53.0	47.0	53.0	56.0	54.0	55.0	55.0	51.0	47.0	46.0	44.0
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): Rajshahi region (Districts:Rajshahi, Chapai Nawabganj, Naogaon, Natore), Bangladesh

Region: Rajshahi		<i>Kharif</i> season Pointed Gourd: Powdery mildew disease														Duration: 120-150 days								
Weather warning	Months	January					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	1	2	3		4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
	Rainfall (mm)	1.0	1.0	2.0		1.0	4.0	3.0	2.0	3.0	5.0	4.0	3.0	4.0	14.0	13.0	10.0	19.0	17.0	24.0	29.0	33.0	36.0	34.0
	Max. Temp. (°C)	24.0	23.0	24.0		24.9	25.6	26.7	28.1	29.3	30.4	32.1	33.1	34.6	35.0	36.1	36.7	36.4	35.9	35.4	35.3	35.1	35.0	35.3
	Min. Temp. (°C)	11.0	10.9	10.9		10.9	12.0	12.3	13.6	14.1	15.1	16.4	17.6	19.4	20.6	22.1	23.0	23.4	23.9	২৩.৭	24.3	24.6	25.0	25.4
	RH max (%)	95.6	95.1	95.3		95.3	95.3	94.0	93.9	92.0	91.6	90.3	88.7	88.3	89.1	88.9	89.0	90.1	90.7	92.1	92.7	93.3	93.1	93.7
	RH Min (%)	50.1	48.4	47.9		45.7	44.7	42.0	40.3	36.6	34.6	32.7	30.4	30.4	35.9	34.3	34.6	41.4	45.1	50.0	51.9	55.6	58.3	58.9
	SS hr (hrs)	42.0	42.0	46.0		52.0	51.0	55.0	56.0	58.0	59.0	59.0	59.0	59.0	52.0	57.0	57.0	57.0	56.0	52.0	53.0	54.0	48.0	51.0
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																