





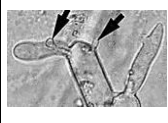








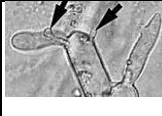




Crop Disease Weather Calendar of Rabi Sweet gourd (Powdery mildew disease): Rajshahi Region (Districts: Rajshahi, chapainawabgonj, Naogaon, Natore) Bangladesh

Region: Rajshahi		Rabi season Sweet Gourd: Powdery mildew disease													Duration:150-160 days												
Weather warning	Months	November					December					January			February				March			April					
	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	9	10	11	12	13	14	15
	Rainfall (mm)	7.0	5.0	1.0		0.0		2.0	1.0	3.0	0.0	4.0	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
	Max. Temp. (°C)	31.7	31.0	30.4		30.4		29.6	27.0	26.0	25.4	24.4	24.0	23.9	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
	Min. Temp. (°C)	23.1	21.4	20.7		19.3		17.6	14.0	13.1	12.4	11.6	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
	RH max (%)	96.1	96.0	95.9		96.1		95.7	94.7	95.9	95.3	95.7	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
	RH Min (%)	60.9	57.4	55.9		51.9		49.4	46.9	50.1	50.0	50.0	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
	SS hr (hrs)	53.0	56.0	55.0		57.0		54.0	51.0	47.0	46.0	44.0	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
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 of Kharif Sweet Gourd (Powdery mildew disease): Rajshahi Region (Districts: Rajshahi, chapainawabgonj, Naogaon, Natore) Bangladesh

Region: Rajshahi		Kharif season Sweet Gourd: Powdery mildew disease																Duration:140-150 days							
Weather warning	Months	April				May				June				July				August							
	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	14	15	16		17		18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	
	Rainfall (mm)	13.0	10.0	19.0		17.0		24.0	29.0	33.0	36.0	34.0	48.0	51.0	78.0	72.0	66.0	71.0	75.0	72.0	52.0	57.0	64.0	53.0	
	Max. Temp. (°C)	36.1	36.7	36.4		35.9		35.4	35.3	35.1	35.0	35.3	35.0	33.9	33.1	33.0	32.7	32.9	32.3	32.6	32.9	32.9	32.7	33.0	
	Min. Temp. (°C)	22.1	23.0	23.4		23.9		23.7	24.3	24.6	25.0	25.4	25.9	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.1	26.0	26.1	
	RH max (%)	88.9	89.0	90.1		90.7		92.1	92.7	93.3	93.1	93.7	94.6	95.4	96.1	96.6	96.6	96.9	97.0	96.9	96.7	96.6	96.7	96.1	
	RH Min (%)	34.3	34.6	41.4		45.1		50.0	51.9	55.6	58.3	58.9	62.6	67.9	71.1	73.4	73.7	74.3	75.3	73.9	72.6	72.6	74.1	72.0	
	SS hr (hrs)	57.0	57.0	57.0		56.0		52.0	53.0	54.0	48.0	51.0	48.0	35.0	31.0	31.0	30.0	30.0	30.0	30.0	34.0	34.0	36.0	33.0	34.0
	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																