




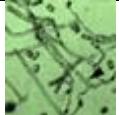














Crop Disease Weather Calendar of Rabi Sweet Gourd (Powdery mildew disease): Khulna Region (Districts: Khulna, Norail, Bagerhat, Sathkhira) Bangladesh

Region: Khulna		Rabi season Sweet Gourd: Powdery mildew disease															Duration:100-120 days			
Weather warning	Months	October					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	42	43	44			45	46	47	48	49	50	51	52	1	2	3	4	5	6
	Rainfall (mm)	31.5	26.5	9.5			13.0	8.0	3.0	3.5	1.0	4.0	0.0	1.0	3.0	1.5	0.0	3.5	5.5	6.5
	Max. Temp. (°C)	32.4	31.7	31.0			31.0	30.1	29.5	28.5	27.7	27.0	26.0	25.6	25.0	25.0	25.8	26.2	27.0	27.7
	Min. Temp. (°C)	24.2	22.5	21.5			20.6	19.3	18.0	16.3	15.3	14.5	13.4	12.6	12.2	12.2	12.7	12.4	13.9	14.5
	RH max (%)	96.2	96.3	96.0			95.6	95.9	95.8	95.5	94.7	95.7	95.8	95.7	95.4	95.2	94.9	94.9	95.1	94.5
	RH Min (%)	63.3	59.2	57.4			53.9	51.3	49.0	46.7	47.3	48.8	49.2	47.8	48.7	46.9	46.8	44.3	44.9	43.4
	SS hr (hrs)	49.5	52.5	48.5			53.5	52.5	53.5	53.0	52.0	49.5	48.0	48.5	47.0	46.5	49.5	53.0	52.5	53.5
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											

Crop Disease Weather Calendar of Kharif Sweet Gourd (Powdery mildew disease): Khulna Region (Districts: Khulna, Norail, Bagerhat, Sathkhira) Bangladesh

Region: Khulna		Kharif season Sweet Gourd: Powdery mildew disease										Duration:100-120 days						
Weather warning	Months	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
	Rainfall (mm)	5.5	6.5	5.0	13.5	6.5	2.5	6.5	13.5	16.0	12.5	12.5	17.5	25.0	31.5	32.5	37.0	47.5
	Max. Temp. (°C)	27.0	27.7	29.0	30.1	31.0	32.4	33.4	34.1	34.0	35.0	35.2	35.2	35.2	35.1	35.2	35.3	35.1
	Min. Temp. (°C)	13.9	14.5	16.2	17.0	18.1	19.4	20.4	22.0	22.7	24.0	24.3	24.9	25.0	25.0	25.3	25.8	26.0
	RH max (%)	95.1	94.5	94.3	94.3	93.7	93.7	93.5	94.5	94.1	94.3	93.7	93.3	93.2	93.0	93.1	93.4	93.7
	RH Min (%)	44.9	43.4	43.9	41.8	40.7	40.7	40.2	44.2	47.3	48.8	49.2	52.4	53.7	55.3	57.4	57.9	60.7
	SS hr (hrs)	52.5	53.5	55.5	55.5	57.5	57.5	59.0	57.0	56.5	59.0	60.0	61.5	58.0	59.5	56.5	55.0	47.0
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								