






















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

Region: Rajshahi		Rabi season Sweet Gourd: Anthracnose disease																	Duration:150-160 days						
Weather warning	Months	November					December					January			February				March			April			
	Max. Temp. (°C)	31 °C for disease development																							
	Min. Temp. (°C)	21 °C for disease development:																							
	RH Max (%)	Initial infection required 95% or above relative humidity for 24 hrs.																							
	RH Min (%)	65%																							
	Rainfall (mm)	Frequent rainy and warm weather alone with prolonged leaf wetness favored disease development																							
Weekly normal	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																									
																									
After occurrence of disease the disease cycle continued up to fruiting stage and harvesting stage																									

Crop Disease Weather Calendar of Kharif Sweet Gourd (Anthracnose disease): Rajshahi Region (Districts: Rajshahi, Chapainawabganj, Naogaon, Natore) Bangladesh

Region: Rajshahi		Kharif season Sweet Gourd: Anthracnose disease																		Duration:140-150 days		
Weather warning	Months	April				May					June				July				August			
	Max. Temp. (°C)	31 °C for disease development																				
	Min. Temp. (°C)	21 °C for disease development:																				
	RH Max (%)	Initial infection required 95% or above relative humidity for 24 hrs.																				
	RH Min (%)	65%																				
	Rainfall (mm)	Frequent rainy and warm weather alone with prolonged leaf wetness favored disease development																				
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	34.0	34.0	36.0	33.0	34.0
Growth Stages																						
	Germination & Seedling		vegetative growth										Flowering & fruiting				Harvesting					
Disease Life cycle																						
			Spore landing	Spore germination	penetration	Disease development	After occurrence of disease the disease cycle continued up to fruiting stage and harvesting stage															