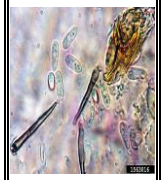
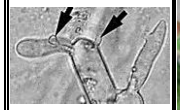
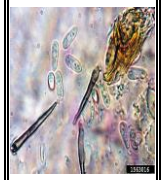
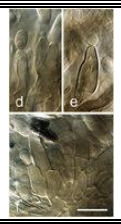
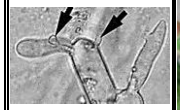
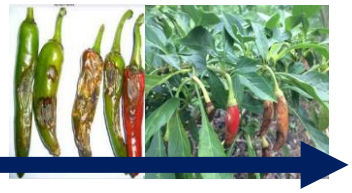
Crop disease weather calendar of the Rabi season Chili (Anthracnose disease): Dinajpur Region (Districts:Dinajpur, Thakurgaon, Panchagaor) **Bangladesh**

Dinajpur Region		***Rabi* season Chilli: Anthracnose disease**								Life span 150-160 days												
Weather warning	**Months**	December				January				February				March					April			
	Max. Temp. (ºC)	28 ºC to 32 ºC for disease development																				
	Min. Temp. (ºC)	22 ºC to 25 ºC for disease development																				
	RH Max (%)	Initial infection required 95% or above relative humidity for 24 hrs.																				
	RH Min (%)	80%																				
	Rainfall (mm)	Frequent rainy and warm weather alone with prolonged leaf wetness favored disease development																				
Weekly normal weather	**Std.Week/Normal**	**49**	**50**	**51**	**52**	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**	**13**	**14**	**15**	**16**	**17**
	Rainfall (mm)	0.0	3.0	0.0	4.0	2.0	2.0	3.0	2.0	1.0	2.0	3.0	1.0	1.0	1.0	4.0	2.0	7.0	8.0	8.0	25.0	23.0
	Max. Temp. (ºC)	27.0	25.4	24.9	23.9	22.6	22.4	23.0	23.7	25.0	25.9	26.7	27.7	28.6	30.1	31.1	32.0	32.1	33.0	33.4	33.0	32.4
	Min. Temp. (ºC)	13.3	12.9	12.0	10.9	10.7	10.3	10.0	10.6	11.1	12.1	13.6	14.1	15.0	16.1	17.1	18.6	19.7	20.4	21.1	22.0	22.0
	RHmax (%)	96.1	96.4	96.3	96.6	96.7	96.3	96.4	95.9	94.7	94.0	93.4	92.0	90.6	88.9	87.6	86.0	87.1	86.6	87.4	89.4	91.1
	RHMin (%)	49.0	52.9	52.7	54.0	55.1	53.7	52.4	50.4	47.7	43.1	42.4	40.9	38.4	35.3	35.1	36.4	43.3	40.9	43.4	50.9	53.7
	SShr (hrs)	48.0	42.0	41.0	37.0	34.0	34.0	37.0	41.0	44.0	46.0	52.0	54.0	57.0	59.0	59.0	55.0	49.0	52.0	55.0	49.0	50.0
Stage																						
		Spouting & Seedling				vegetative growth				Flowering & fruiting					Harvesting							
Disease cycle										
			Spore landing	**Spore germination**	**penetration**	**Disease development**	**After occurrence of disease the disease cycle continued up to fruiting stage and harvesting stage**			

Crop disease weather calendar of the Rabi season Chili (Anthracnose disease): Dinajpur Region (Districts:Dinajpur, Thakurgaon, Panchagaor) **Bangladesh**

	Dinajpur Region	**Kharif season Chilli: Anthracnose disease**									Life span 150-160 days												
Weather warning	**Months**	April				May					June				July				August				
	Max. Temp. (ºC)	28 ºC to 32 ºC for disease development																					
	Min. Temp. (ºC)	22 ºC to 25 ºC for disease development																					
	RH Max (%)	Initial infection required 95% or above relative humidity for 24 hrs.																					
	RH Min (%)	80%																					
	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**	**35**
	Rainfall (mm)	8.0	8.0	25.0	23.0	31.0	36.0	57.0	55.0	73.0	57.0	77.0	111.0	96.0	109.0	105.0	81.0	84.0	70.0	60.0	93.0	103.0	71.0
	Max. Temp. (ºC)	33.0	33.4	33.0	32.4	32.3	32.9	33.0	33.0	33.4	33.3	33.0	32.3	32.4	32.0	32.1	32.1	32.3	32.9	32.6	32.4	32.1	32.4
	Min. Temp. (ºC)	20.4	21.1	22.0	22.0	22.3	22.9	23.6	24.0	24.4	25.0	25.1	25.6	26.0	26.0	26.0	26.0	26.0	26.3	26.7	26.1	26.0	26.0
	RHmax (%)	86.6	87.4	89.4	91.1	92.3	92.0	92.1	92.4	92.7	93.4	93.9	94.7	94.4	95.1	94.6	94.4	94.7	94.1	94.0	95.0	95.7	95.6
	RHMin (%)	40.9	43.4	50.9	53.7	57.6	57.3	59.3	62.4	62.3	65.4	67.7	71.4	71.6	73.3	72.7	71.9	71.6	70.1	70.9	72.6	73.1	71.6
	SShr (hrs)	52.0	55.0	49.0	50.0	49.0	51.0	48.0	44.0	42.0	40.0	35.0	27.0	31.0	27.0	29.0	31.0	36.0	36.0	37.0	34.0	34.0	37.0
Stage																							
		Spouting & Seedling				vegetative growth					Flowering & fruiting						Harvesting						
Disease cycle																							
				Spore landing	Spore germination	penetration	Disease development	After occurrence of disease the disease cycle continued up to fruiting stage and harvesting stage															