

























Crop insect weather calendar of the Rabi season Chili(Fruit borer):Dinajpur Region (Districts:Dinajpur, Thakurgaon, Panchagaor) Bangladesh

Dinajpur Region		Rabi season Chili: Fruit borer insect								Life span: 150-160 days													
Weather warming	Months	December				January				February				March				April					
	Max. Temp. (°C)	The upper development threshold temperature for all stages is 37 °C, and 40 °C is lethal; The optimum temperatures for the development of eggs, larvae, and pupae are around 24–27 °C																					
	Min. Temp. (°C)	Threshold for lower temperatures is around 10–12 °C																					
	RH Max (%)	Above 85%, Fecundity is adversely affected by low humidity along with high temperature																					
	RH Min (%)	<35%																					
	Rainfall (mm)	<i>Negative correlation with rainfall</i>																					
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. (°C)	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. (°C)	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									
Insect Life cycle																							
				Eggs (2 to 4 days)		Larva (15 to 18 days)		Pupa (7 to 10 days)		Adults (7 to 10 days)		Eggs (2 to 4 days)		Larva (15 to 18 days)		Pupa (7 to 10 days)		Adults (7 to 10 days)					

Crop insect weather calendar of the Kharif season Chili (Fruit borer): Dinajpur Region (Districts: Dinajpur, Thakurgaon, Panchagaor) Bangladesh

Dinajpur Region		Kharif season Chili: Fruit borer insect										Life span: 150-160 days														
Weather warning	Months	April					May					June					July					August				
	Max. Temp. (°C)	The upper development threshold temperature for all stages is 37 °C, and 40 °C is lethal; The optimum temperatures for the development of eggs, larvae, and pupae are around 24–27 °C																								
	Min. Temp. (°C)	Threshold for lower temperatures is around 10–12 °C																								
	RH Max (%)	Above 85%, Fecundity is adversely affected by low humidity along with high temperature																								
	RH Min (%)	<35%																								
	Rainfall (mm)	<i>Negative correlation with rainfall</i>																								
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. (°C)	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. (°C)	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										
Insect Life cycle																										
						Eggs (2 to 4 days)	Larva (15 to 18 days)	Pupa (7 to 10 days)	Adults (7 to 10 days)	Eggs (2 to 4 days)	Larva (15 to 18 days)	Pupa (7 to 10 days)	Adults (7 to 10 days)													