

























Crop insect weather calendar of the Rabi season Chilli (**Fruit borer**): Barisal Region (Districts: Barisal, Potuakhali, Jalokhati, Borguna & Bhola) Bangladesh

Barisal Region		Rabi season Chilli: Fruit borer insect																Life span: 180-185 days					
Weather warning	Months	November				December				January				February				March					
	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)	Negative correlation with rainfall																					
Weekly normal weather	Std.Week/Normal	45	46	47	48	49	50	51	52	1	2	3	4	5	6	7	8	9	10	11	12	13	
	Rainfall (mm)	100.0	9.0	6.0	7.0	1.7	4.0	1.3	0.7	1.3	1.0	1.0	1.7	2.7	3.7	5.0	8.0	5.7	5.3	6.0	14.3	18.0	
	Max. Temp. (°C)	31.2	29.6	29.3	28.3	27.8	27.0	26.2	25.7	25.1	25.2	25.8	26.2	27.0	27.8	28.9	29.7	30.7	31.7	32.7	33.0	32.9	
	Min. Temp. (°C)	26.0	19.6	18.4	16.7	15.6	14.9	14.0	13.1	12.6	12.5	12.7	12.5	14.0	14.6	16.2	16.9	18.3	19.5	20.5	22.1	22.8	
	RHmax (%)	97.4	97.8	97.8	97.8	98.0	97.9	98.2	98.2	98.0	97.8	97.6	97.6	97.3	97.1	97.0	97.0	96.7	97.1	96.7	96.5	96.5	
	RHMin (%)	78.9	56.6	53.7	51.8	50.6	50.9	50.7	50.3	50.1	49.3	48.5	45.2	46.2	44.8	46.2	45.1	44.9	45.2	45.3	50.7	54.4	
	SShr (hrs)	26.0	49.0	50.0	51.3	48.7	46.3	44.3	43.7	46.7	44.0	47.3	52.7	50.3	52.3	51.7	52.0	53.7	54.0	54.3	52.3	50.7	
		6.4	2.7	3.3	3.6	3.1	3.4	3.3	3.9	4.5	4.4	4.5	4.3	5.0	4.6	4.9	4.9	5.1	5.2	5.4	6.3	6.7	
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 Chilli (**Fruit borer**): Barisal Region (Districts: Barisal, Potuakhali, Jalokhathi, Borguna & Bhola) Bangladesh

Barisal Region		Kharif season Chilli: Fruit borer insect																	Life span:180-200 day											
Weather warming	Months	April				May				June				July				August				September			October					
	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	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	
	Rainfall (mm)	25.0	34.7	40.7	52.7	49.0	69.3	66.7	85.3	105.3	129.7	126.3	129.0	91.7	111.7	115.0	100.0	92.7	95.7	82.3	81.0	73.0	77.7	72.3	75.0	55.3	57.3	41.0	25.0	
	Max. Temp. (°C)	33.5	33.5	33.6	33.4	33.4	33.2	33.3	32.8	31.9	31.3	31.0	31.0	31.1	30.08	31.0	31.2	31.2	31.2	31.5	31.5	31.2	31.5	32.0	32.0	31.9	32.1	32.0	31.7	
	Min. Temp. (°C)	24.6	24.4	24.4	25.1	25.2	25.7	26.0	26.1	26.0	26.0	26.0	26.0	26.0	26.0	25.9	26.0	26.0	26.0	26.0	26.0	26.0	25.9	25.9	26.0	25.5	25.2	25.2	24.3	22.9
	RHmax (%)	96.0	96.0	96.1	96.2	96.1	96.2	96.5	96.4	96.6	97.0	97.3	97.4	97.4	97.4	97.6	97.4	97.3	97.2	97.3	97.3	97.4	97.7	97.6	98.0	97.9	98.0	97.8	97.8	
	RHMin (%)	61.9	62.5	64.2	65.9	67.5	69.6	70.9	73.2	76.9	79.2	80.6	80.7	79.4	81.0	80.0	78.9	78.6	79.0	77.6	77.4	77.6	76.4	74.6	73.9	72.3	70.4	68.0	63.7	
	SShr (hrs)	54.7	51.7	49.0	48.0	46.0	37.3	37.3	30.7	23.0	21.3	20.3	20.3	23.3	21.0	25.3	26.0	25.7	26.0	27.3	29.0	28.3	29.3	29.7	33.0	36.7	41.3	44.7	48.7	
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)												