

























## Crop Insect Weather Calendar of *Rabi* season Cucumber (Red pumpkin beetle insect): Bogra Region (Districts: Bogra, Pabna, Sirajgonj, Joypurhat) Bangladesh

Region: Bogra		<i>Rabi season Cucumber: Red pumpkin beetle insect</i>											Life Span 100-120 days									
Weather warning	Months	February			March				April				May									
	Max. Temp. (°C)	35 °C (30 °C optimum temperature both for oviposition and food consumption)																				
	Min. Temp. (°C)	15 °C or below																				
	RH Max (%)	Capable of tolerating wide ranges of relative humidity fluctuations whereas population increase with the advancement in temperature and relative humidity																				
	RH Min (%)	Capable of tolerating wide ranges of relative humidity fluctuations																				
	Rainfall (mm)	Negative correlation with the abundance of <i>red pumpkin beetle</i>																				
Weekly normal weather	Std. Week/Normal	<b>6</b>	<b>7</b>	<b>8</b>	<b>9</b>	<b>10</b>	<b>11</b>	<b>12</b>	<b>13</b>	<b>14</b>	<b>15</b>	<b>16</b>	<b>17</b>	<b>18</b>	<b>19</b>	<b>20</b>	<b>21</b>	<b>22</b>				
	Rainfall (mm)	1.0	4.0	3.0	5.0	2.0	4.0	3.0	8.0	8.0	12.0	26.0	28.0	37.0	42.0	45.0	58.0	59.0				
	Max. Temp. (°C)	26.9	27.7	28.6	29.3	30.9	31.9	32.9	32.9	33.9	34.3	34.0	33.6	33.1	33.6	33.4	33.3	33.9				
	Min. Temp. (°C)	13.6	14.6	15.4	16.4	17.4	18.3	20.0	21.1	22.3	23.0	23.0	23.1	23.3	23.9	24.3	24.6	25.0				
	RH Max (%)	92.1	91.4	90.4	88.7	89.1	86.4	86.3	87.7	88.0	88.3	90.6	90.9	92.4	92.4	92.7	93.0	93.7				
	RH Min (%)	41.4	40.3	39.1	38.0	36.9	37.1	39.1	45.3	44.4	45.9	50.7	54.9	57.3	58.7	60.0	63.4	64.6				
	SS hr (hrs)	52.0	53.0	56.0	60.0	59.0	61.0	58.0	56.0	56.0	56.0	55.0	52.0	48.0	50.0	49.0	46.0	44.0				
Growth stages																						
	Spouting & Seedling		vegetative growth				Flowering & fruiting						Harvesting									
Insect Life Cycle																						
							Eggs		Maggots		Pupa		Adult		Eggs		Maggots		Pupa		Adult	

## Crop Insect Weather Calendar of *kharif* season Cucumber (Red pumpkin beetle insect): Bogra Region (Districts: Bogra, Pabna, Sirajgonj, Joypurhat) Bangladesh

Region: Bogra		Kharif season Cucumber: Red pumpkin beetle insect											Life Span: 100-120 days								
Weather warning	Months	July			August				September				October								
	Max. Temp. (°C)	35 °C (30 °C optimum temperature both for oviposition and food consumption)																			
	Min. Temp. (°C)	15 °C or below																			
	RH Max (%)	Capable of tolerating wide ranges of relative humidity fluctuations whereas population increase with the advancement in temperature and relative humidity																			
	RH Min (%)	Capable of tolerating wide ranges of relative humidity fluctuations																			
	Rainfall (mm)	Negative correlation with the abundance of <i>red pumpkin beetle</i>																			
Weekly normal weather	Std. Week/Normal	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43			
	Rainfall (mm)	93.0	80.0	91.0	76.0	63.0	61.0	72.0	67.0	56.0	60.0	60.0	76.0	74.0	51.0	42.0	25.0	18.0			
	Max. Temp. (°C)	32.0	31.9	32.0	32.1	32.3	32.6	32.1	32.3	32.6	32.3	32.0	32.1	32.0	32.1	32.3	32.0	31.6			
	Min. Temp. (°C)	26.0	26.1	26.0	26.1	26.3	26.9	26.3	26.4	26.1	26.0	26.0	26.0	25.1	25.0	24.0	23.4	21.7			
	RH max (%)	95.9	95.9	95.9	95.9	95.1	95.3	95.6	95.9	95.7	95.9	96.3	96.1	96.4	96.0	96.0	95.7	95.1			
	RH Min (%)	73.3	74.1	74.4	73.3	72.0	71.9	73.3	72.7	71.7	72.0	72.3	70.7	71.0	68.7	66.0	62.1	57.9			
	SS hr (hrs)	28.0	31.0	29.0	28.0	35.0	37.0	36.0	31.0	35.0	35.0	35.0	37.0	37.0	44.0	48.0	54.0	57.0			
Growth stages																					
	Spouting & Seedling		vegetative growth				Flowering & fruiting						Harvesting								
Insect Life Cycle																					
							Eggs		Maggots		Pupa		Adult		Eggs		Maggots		Pupa		Adult