






Crop Weather Calendar of Green Gram robi : Rangpur Region (Districts: Rangpur, Kurigram, Gaibandha, Nilphamari, Lalmonirhat) Bangladesh

Region: Rangpur	Green Gram Robi						Duration: 65-70 days			
Months	February		March				April			
Std.Week/Normal	7	8	9	10	11	12	13	14	15	16
Rainfall (mm)	3.5	1.5	2.5	1.0	2.5	5.5	18.5	11.0	19.5	28.5
Max. Temp. (°C)	26.7	27.5	28.5	29.9	30.8	31.6	31.4	32.1	32.5	32.3
Min. Temp. (°C)	13.7	14.4	15.3	16.1	17.3	18.4	19.5	20.3	21.1	21.9
Mean Temp. (°C)	20.2	21.0	21.9	23.0	24.0	25.0	25.4	26.2	26.8	27.1
RHmax (%)	93.7	92.9	91.4	89.8	88.7	88.1	87.7	88.5	88.4	89.9
RHMin (%)	47.1	45.3	42.8	39.6	40.8	42.5	48.8	49.7	50.7	56.7
RHmean (%)	70.4	69.1	67.1	64.7	64.7	65.3	68.3	69.1	69.5	73.3
SShr (hrs)	50.0	51.5	56.5	57.5	57.0	54.0	49.0	51.5	51.0	47.5
WD (deg)	201	201	201	207	196	179	152	148	141	135
WS(Km/hr)	7.5	7.2	7.7	7.8	8.2	8.7	8.7	8.3	8.4	8.3
Stages										
	Germination	Vegetative				Flowering	Pod initiation		Maturity to Harvesting	

Favorable Weather Conditions	
Temperature (°C)	>15°C 20-27°C
Relative Humidity	65-73%
Soil Temperature (°C)	18-25°C
Sunshine (hr)	6.5-8.0hr

Congenial Weather Condition for Pests & Diseases	
Cercospora leaf spot	Temperature 25-35°C with high temperature above 16°C and RH 90-95%.
Powderymildew	Temperature 20-25°C and moderately humid weather
Yellow mosaic	Temperature 17-30 °C RH 65-70% and rainfall 8-10 mm (for vector: white fly)
Hairy caterpillar	High temperature and high humidity
Thrips	Dry and moderately high temperature (16-28 °C), Rainfall 30 mm
Pod borer	Temperature 16-30°C ,RH 50-85% and sunshine hours of 6.4

Weather Warning	
Rainfall	>75mm/ day >50mm/ day >50mm/ day
Cloudy Weather	Cloudy weather Cloudy weather
Drought	15-20 days 15-20 days
Duration of wet spell	>25mm for 3-4 days >25mm for 3-4 days >25mm for 3-4 days
Hail storm	Hail storm Hail storm Hail storm
High wind	>25KM/HR >25KM/HR >25KM/HR
Temperature	Min <10 °C and max. >30°C Min <15°C and max. >35°C Min <15°C and max. >35°C