






Crop Weather Calendar of Kharif Ground Nut: Rangpur Region (Districts: Rangpur, Kurigram, Gaibandha, Nilphamari, Lalmonirhat) Bangladesh

Region: Rangpur	Kharif Ground Nut									Duration: 120-130 days								
Months	March				April				May				June				July	
Std. Week/Normal	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27
Rainfall (mm)	1.0	2.5	5.5	18.5	11.0	19.5	28.5	31.5	50.0	40.0	65.0	61.5	87.0	106.5	90.5	109.5	91.0	106.0
Max. Temp. (°C)	29.9	30.8	31.6	31.4	32.1	32.5	32.3	32.0	31.9	32.5	32.7	32.2	32.8	32.7	32.4	32.0	32.2	32.3
Min. Temp. (°C)	16.1	17.3	18.4	19.5	20.3	21.1	21.9	21.9	22.3	23.2	23.4	23.9	24.4	25.0	25.2	25.8	26.0	26.0
Mean Temp. (°C)	23.0	24.0	25.0	25.4	26.2	26.8	27.1	27.0	27.1	27.8	28.1	28.0	28.6	28.8	28.8	28.9	29.1	29.2
RHmax (%)	89.8	88.7	88.1	87.7	88.5	88.4	89.9	90.9	92.5	92.2	92.9	92.8	93.3	93.9	94.2	94.9	94.7	95.0
RHMin (%)	39.6	40.8	42.5	48.8	49.7	50.7	56.7	59.0	62.0	62.0	62.9	65.8	66.7	69.0	70.7	73.7	73.6	73.8
RHmean (%)	64.7	64.7	65.3	68.3	69.1	69.5	73.3	75.0	77.3	77.1	77.9	79.3	80.0	81.4	82.4	84.3	84.1	84.4
SShr (hrs)	57.5	57.0	54.0	49.0	51.5	51.0	47.5	47.0	46.5	47.5	49.0	41.0	40.5	38.0	31.5	27.0	28.0	27.0
WD (deg)	207	196	179	152	148	141	135	118	115	120	118	119	123	125	125	127	131	143
WS(Km/hr)	7.8	8.2	8.7	8.7	8.3	8.4	8.3	8.6	7.8	7.7	7.9	6.8	7.4	6.9	7.4	7.1	7.1	6.8
Phases																		
	Germination	Vegetative			Flowering				Pod initiation				Maturity to Harvesting					

Favorable Weather Conditions				
Temperature	>14°C	22 to 28°C	24-34°C	24-34°C
Relative Humidity (%)	50-85%			
Soil temperature (°C)	21 to 30°C			
Rainfall(mm)	500 to 700 mm			
Solar radiation	Plenty sunshine			
Normal Phase wise water requirement (mm)	150 mm	150-400 mm	400-500 mm	400-500 mm

Congenial Weather Condition for Pests & Diseases				
Leaf spot	Temperature 18-35°C and Rainfall at least 60mm			
Rust	Temperature 20-26°C, Relative Humidity above 85% and 3 days rain in a week			
Foot rot/Stem rot	Tem. 20-25°C, RH above 85% and heavy rain			
Bud Necrosis	Dry and moderately high temperature (16-28 °C), Rainfall 30 mm (for vector)			
Hairy caterpillar	Hot and humid weather			
Jassids	Dry and hot weather (30-38°C)			
Thrips	Dry and moderately high temperature (16-28 °C), Rainfall 30 mm			
Termite	Temperature 24° C- 34° C, sandy-sandy loam soil			

Weather Warning				
Rainfall	>100mm/day	>100mm/day	>100mm/day	>50mm/day
Duration of wet spell	>30mm for 10days	>30mm for 10days	>30mm for 10days	>30mm for 10days
Cloudy Weather				Cloudy weather
Drought	15days	15 days	15 days	
High wind	28KM/HR	22KM/HR	22KM/HR	25KM/HR
Hail Storm	Hail Storm	Hail Storm	Hail Storm	Hail Storm
Temperature	Min. <14°C & max >34°C			