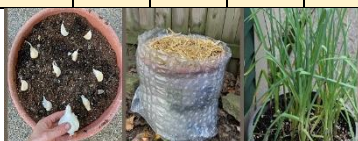





Crop Weather Calendar of Rabi Gurlic: Jessore Region (Districts: Jessore, Chuadanga, Meherpur, Jinaidaha, Magura, Kustia) Bangladesh

Region: Jessore	Rabi Gurlic										Life cycle of crop: 140-150											
Months	November					December				January				February				March				
Std.Week	44	45	46	47	48	49	50	51	52	1	2	3	4	5	6	7	8	9	10	11	12	13
Rainfall (mm)	9.0	8.0	7.5	1.0	2.0	1.5	4.0	0.0	3.5	0.5	1.5	2.5	3.0	6.5	5.0	4.5	8.0	4.0	2.5	4.5	11.5	12.0
Max. Temp. (°C)	31.1	31.1	30.3	29.6	28.5	27.7	26.6	25.7	25.2	24.5	24.5	25.1	25.6	26.6	27.8	28.9	30.0	31.0	32.4	33.6	34.7	34.6
Min. Temp. (°C)	20.7	19.4	18.0	16.7	15.1	14.0	13.4	12.3	11.4	10.9	10.7	11.0	10.8	12.0	13.3	14.7	15.6	16.4	17.7	19.0	20.8	21.8
Mean Temp. (°C)	25.9	25.3	24.2	23.1	21.8	20.9	20.0	19.0	18.3	17.7	17.6	18.0	18.2	19.3	20.5	21.8	22.8	23.7	25.0	26.3	27.7	28.2
RHmax (%)	95.9	95.9	95.7	95.7	95.4	95.2	95.8	95.5	95.7	95.4	95.3	95.3	94.9	94.9	94.2	94.0	93.7	93.2	92.5	92.1	92.1	92.4
RHMin (%)	56.2	52.0	49.8	48.1	46.3	47.2	49.2	49.4	47.9	49.6	47.9	47.0	44.7	44.2	42.2	41.0	39.3	36.5	35.4	34.9	36.7	42.0
RHmean (%)	76.0	74.0	72.8	71.9	70.8	71.2	72.5	72.5	71.8	72.5	71.6	71.2	69.8	69.5	68.2	67.5	66.5	64.9	63.9	63.9	64.4	67.2
SShr (hrs)	45.5	48.5	49.5	47.5	48.5	47.5	43.5	42.0	42.0	41.0	42.5	44.5	48.0	48.5	49.5	50.0	54.5	55.0	54.0	55.0	53.0	51.5
WD (deg)	153	175	177	179	178	184	183	177	174	158	156	188	192	186	191	203	214	219	213	230	212	208
WS(Km/hr)	2.5	2.3	2.4	2.3	2.4	2.3	2.4	2.5	2.5	3.0	3.0	3.0	3.0	3.2	3.1	3.3	3.7	3.5	3.9	4.1	4.4	4.7
																						
Stages	Germination and Seedling Planting					Vegetative Growth				Flowering & Fruiting				Harvesting								
Favorable environment																						
Temperature	Suitable growth temperature :13 to 24°C; Relatively high temperature up to 30°C is required for optimum bulb development whereas cool and moist climate condition in the early stage favored vegetative growth.																					
Relative Humidity						Excessive humidity and rainfall are detrimental to both vegetative and bulb formation stage																
Soil Temperature																						
Sunshine Hour	The critical day length for bulbing is 10-12 h for short-day garlic and 13-14 h for long-day garlic.																					
Favorable environmental conditions for insects and diseases																						
Red spider mites						High temperature accelerated the developmental rate and reduced the duration of developmental periods of immature stages.																
Thrips	Hot and dry weather increases Thrips population also associated with lack of rainfall; Heavy rainfall reduces population, RH:47.67 to 78.62																					
Basal rot	The disease generally appears when soil temperature is 25-28 °C along with high soil moisture; high temperature and drought increases the disease incidence; Relative humidity is above 70%.																					
Blight disease	Optimum temperature: 20-31°C; Humidity 85-96%; Cloudy rainy weather in the crop stand.																					
Weather warning																						
Rainfall (mm)	15 mm to 20 mm per day causes high soil moisture																	5 to 10 mm per day				
Cloudy weather						Cloudy weather																
Drought																						
Duration of stay wet (day)	3 to 5 days																	2 to 3 days				
Hailstorms														Early rainfall with hailstorm								
Wind speed (Km/hr.)	Less than 40 km/hr					Less than 40 km/hr																
Temperature (°C)	Above 35°C																					

