Crop Weather Calendar of *Rabi* season Sweet gourd: Barisal region (Districts: Patuakhali, Barisal, Jhalokati, Barguna, Bhola)

Region:Barisal	**Sweet gourd– *Rabi* season**															**Duration:120-150 days**			
Months	**October**		**November**					**December**				**January**				**February**			
Std.Week/Normal	**42**	**43**	**44**	**45**	**46**	**47**	**48**	**49**	**50**	**51**	**52**	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**
Rainfall (mm)	41.0	25.0	19.3	25.3	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
Max. Temp. (°C)	32.0	31.7	31.0	30.5	29.9	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
Min. Temp. (°C)	24.3	22.9	22.1	21.0	19.6	28.4	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
Mean Temp. (°C)	28.1	27.3	26.5	25.7	24.8	28.9	22.5	21.7	21.0	20.1	19.4	18.9	18.9	19.2	19.4	20.5	21.2	22.5	23.3
RHmax (%)	97.8	97.8	97.8	97.7	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
RHMin (%)	68.0	63.7	63.2	60.7	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
RHmean (%)	82.9	80.7	80.5	79.2	77.2	75.8	74.8	74.3	74.4	74.4	74.3	74.1	73.6	73.1	71.4	71.7	70.9	71.6	71.0
SShr (hrs)	44.7	48.7	47.0	47.3	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
WD (deg)	228	212	214	214	232	217	212	225	223	212	212	209	211	204	216	217	211	214	211
WS(Km/hr)	3.6	3.1	3.5	3.1	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

Stage	**Germination & Seedling**	**vegetative growth**	**Flowering & fruiting**	**Harvesting**
Favourable condition				
Temperature	21 to 32 ºC	20 to 25ºC (During cultivation period high temperature and long day length increase no. of male flowers and reduce no. of female flowers)		
Relative Humidity	55-70%			
Soil Temperature	18 to 25 ºC			
Sunshine Hour	6 to 8 hrs. (at least)			
Favorable environmental conditions for insects and diseases				
Fruit fly		Temperature: 25-30ºC,RH: 60-91%		
Pumpkin beetle		Temperature: 25-32ºC,RH: 65-80%		
Aphid		Temperature: 22-30ºC,RH:60-85%		
Powdery mildew		Temperature: 22-27ºC,RH: Lower RH during day with higher RH during night		
Downy mildew		Temperature: 25-32ºC,RH: 75-95%		
Wilting	Temperature: 22-27ºC (Atmosphere), >24ºC (Soil) RH: 70-80% (Soil)			
Anthracnose/Fruit rot			Temperature: 25-32ºC,RH: High (89-85%), Higher infestation with continuous rainfall	
Weather warning				
Rainfall (mm)	20 to 30 mm rainfall (creates waterlogging condition)			Early rainfall (15 mm or more)
Cloudy weather	Cloudy condition			
Drougth		Drought due to excessive dry weather		
Duration of staying wet	Land remain waterlogged for 3 to 7 days			
Hailstorm	Seasonal rainfall with hailstorm			Early rainfall with hailstorm
Windspeed (Km/hr.)	≥40 Km/hr			
Temperature (ºC)	>35º C(During cultivation period high temperature and long day length increase no. of male flowers and reduce no. of female flowers)			

Crop Weather Calendar of *Kharif*season Sweet gourd:Barisal region (Districts: Patuakhali, Barisal, Jhalokati, Barguna, Bhola)

Region:Barisal	Sweet gourd – *Kharif* season															Duration:120-150 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**	**28**	**29**	**30**
Rainfall (mm)	5.3	6.0	14.3	18.0	18.0	21.7	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
Max. Temp. (°C)	31.7	32.7	33.0	32.9	33.3	33.7	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	30.8	31.0
Min. Temp. (°C)	19.5	20.5	22.1	22.8	23.7	24.0	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
Mean Temp. (°C)	25.6	26.6	27.6	27.9	28.5	28.8	29.1	29.0	29.0	29.3	29.3	29.5	29.6	29.4	28.9	28.6	28.5	28.5	28.5	28.6	28.5
RHmax (%)	97.1	96.7	96.5	96.5	96.6	96.4	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
RHMin (%)	45.2	45.3	50.7	54.4	58.0	59.30	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
RHmean (%)	71.2	71.0	73.6	75.4	77.3	78.1	78.9	79.3	80.1	81.1	81.8	82.9	83.7	84.8	86.8	88.1	80.0	89.0	88.4	89.2	88.8
SShr (hrs)	54.0	54.3	52.3	50.7	53.0	51.3	54.7	51.7	49.0	48.0	46.0	37.3	37.3	30.7	30.0	21.3	20.3	20.3	23.3	21.0	25.3
WD (deg)	226	218	210	198	200	198	197	191	190	192	189	186	18/7	185	177	179	175	180	175	177	175
WS(Km/hr)	5.2	5.4	6.3	6.7	6.9	7.0	7.5	7.2	7.0	7.3	7.1	7.0	7.0	6.3	6.5	6.8	6.5	6.5	6.5	6.5	6.5

Stage	**Germination & Seedling**	**vegetative growth**	**Flowering & fruiting**	**Harvesting**
Favourable condition				
Temperature	21 to 32 °C	20 to 25°C (During cultivation period high temperature and long day length increase no. of male flowers and reduce no. of female flowers)		
Relative Humidity	55-70%			
Soil Temperature	18 to 25 °C			
Sunshine Hour	6 to 8 hrs. (at least)			
Favorable environmental conditions for insects and diseases				
Fruit fly		Temperature: 25-30°C,RH: 60-91%		
Pumpkin beetle		Temperature: 25-32°C,RH: 65-80%		
Aphid		Temperature: 22-30°C,RH:60-85%		
Powdery mildew		Temperature: 22-27°C,RH: Lower RH during day with higher RH during night		
Downy mildew		Temperature: 25-32°C,RH: 75-95%		
Wilting	Temperature: 22-27°C (Atmosphere), >24°C (Soil) RH: 70-80% (Soil)			
Anthracnose/Fruit rot			Temperature: 25-32°C,RH: High (89-85%), Higher infestation with continuous rainfall	
Weather warning				
Rainfall (mm)	Early rainfall (15 mm or more)		40 mm or more (creates waterlogging condition)	
Cloudy weather	Cloudy condition			
Drougth	Drought due to lack of rainfall			
Duration of staying wet	Land remain waterlogged for 3 to 7 days			
Hailstorm	Early rainfall and seasonal rainfall with hailstorm			
Windspeed (Km/hr.)	≥40 Km/hr			
Temperature (°C)	>35° C(During cultivation period high temperature and long day length increase no. of male flowers and reduce no. of female flowers)			

Crop Weather Calendar of *Rabi* season Sweet gourd: Chattogram region (Districts: Coxs bazar, Cattogram, Febi, Noakhali, Lakshmipur)

Reg.: Chattogram	Sweet gourd – *Rabi* season													Duration:110-120 days			
Months	**September**				**October**				**November**					**December**			
Std.Week/Normal	**36**	**37**	**38**	**39**	**40**	**41**	**42**	**43**	**44**	**45**	**46**	**47**	**48**	**49**	**50**	**51**	**52**
Rainfall (mm)	118.3	92.7	73.3	73.7	60.3	66.7	75.7	26.0	19.3	21.7	14.3	9.0	11.7	1.0	4.0	2.3	2.0
Max. Temp. (°C)	31.3	31.4	31.9	31.9	32.1	32.2	31.9	31.9	31.5	31.2	30.5	29.9	29.0	28.6	27.8	26.9	26.6
Min. Temp. (°C)	25.3	25.2	25.1	25.2	25.1	25.0	24.8	23.3	22.8	21.6	20.2	19.2	18.0	17.0	16.3	15.3	14.9
Mean Temp. (°C)	28.3	28.3	28.5	28.5	28.6	28.6	28.3	27.6	27.1	26.4	25.3	24.6	23.5	22.8	22.1	21.1	20.8
RHmax (%)	95.9	95.6	95.7	95.7	95.7	96.0	96.1	95.0	94.9	94.7	94.4	94.1	94.5	94.4	94.2	94.4	94.1
RHMin (%)	74.2	73.4	72.2	71.5	70.2	69.9	68.8	62.2	62.2	58.1	55.4	52.0	50.8	49.5	50.0	50.3	49.1
RHmean (%)	85.0	84.5	83.9	83.6	82.9	82.9	82.4	78.6	78.6	76.4	74.9	73.1	72.6	71.9	72.2	72.3	71.6
SShr (hrs)	36.8	35.8	39.3	39.5	42.5	42.8	45.8	53.3	52.3	54.0	55.5	56.5	55.5	54.8	52.8	50.8	51.3
WD (deg)	179	185	190	194	202	209	203	201	196	195	199	203	196	204	196	199	207
WS(Km/hr)	9.1	8.6	8.3	7.6	7.4	6.8	6.7	6.2	6.0	5.9	5.6	6.1	5.9	5.1	5.7	5.8	6.2
Stage	**Germination and seedling**			**vegetative growth**				**Flowering & fruiting**					**Harvesting**				
Favourable condition																	
Temperature	21 to 32 °C			20 to 25°C (During cultivation period high temperature and long day length increase no. of male flowers and reduce no. of female flowers)													
Relative Humidity	55-70%																
Soil Temperature	18 to 25 °C																
Sunshine Hour	6 to 8 hrs. (at least)																
Favorable environmental conditions for insects and diseases																	
Fruit fly				Temperature: 25-30° C, RH: 60-91%													
Pumpkin beetle				Temperature: 25-32° C, RH: 65-80%													
Aphid				Temperature: 22-30° C, RH:60-85%													
Powdery mildew				Temperature: 22-27° C, RH: Lower RH during day with higher RH during night													
Downy mildew				Temperature: 25-32° C, RH: 75-95%													
Wilting	Temperature: 22-27° C (Atmosphere), >24° C (Soil) RH: 70-80% (Soil)																
Anthracnose/Fruit rot								Temperature: 25-32° C, RH: High (89-85%), Higher infestation with continuous rainfall									
Weather warning																	
Rainfall (mm)	20 to 30 mm rainfall (creates waterlogging condition)																
Cloudy weather	Cloudy condition																
Drougth	Drought due to lack of rainfall and excessive dry weather																
Duration of staying wet	Land remain waterlogged for 3 to 7 days																
Hailstorm	Seasonal rainfall with hailstorm																
Windspeed (Km/hr.)	≥ 40 Km/hr																
Temperature (°C)	>35° C(During cultivation period high temperature and long day length increase no. of male flowers and reduce no. of female flowers)																

Crop Weather Calendar of *Kharif* season Sweet gourd: Chattogram region (Districts: Coxs bazar, Cattogram, Febi, Noakhali, Lakshmipur)

Region: Chattogram	Sweet gourd – *Kharif* season												Duration:120-125 days				
Months	**April**				**May**					**June**				**July**			
Std.Week/Normal	**14**	**15**	**16**	**17**	**18**	**19**	**20**	**21**	**22**	**23**	**24**	**25**	**26**	**27**	**28**	**29**	**30**
Rainfall (mm)	21.3	27.0	34.3	36.0	62.7	61.3	70.3	88.7	88.0	119.3	161.0	180.7	197.3	201.7	156.0	189.0	173.3
Max. Temp. (°C)	32.1	32.6	32.7	32.9	32.8	32.9	32.8	32.5	32.3	32.1	31.5	31.3	30.9	30.7	31.1	30.7	30.9
Min. Temp. (°C)	23.5	24.0	24.4	24.5	24.5	24.8	25.2	25.2	25.6	25.6	25.4	25.4	25.2	25.4	25.3	25.2	25.3
Mean Temp. (°C)	27.8	28.3	28.6	28.7	28.7	28.9	29.0	28.9	29.0	28.8	28.5	28.3	28.1	28.0	28.2	27.9	28.1
RHmax (%)	93.3	92.9	92.6	92.8	92.9	93.3	93.5	93.9	94.0	94.9	95.3	95.1	95.9	96.0	95.7	96.1	95.8
RHMin (%)	60.1	60.5	61.6	62.0	62.3	64.1	66.1	68.9	70.2	71.9	74.8	75.3	77.3	77.7	76.4	77.6	76.3
RHmean (%)	76.7	76.7	77.1	77.4	77.6	78.7	79.8	81.4	82.1	83.4	85.1	85.2	86.6	86.9	86.0	86.9	86.1
SShr (hrs)	56.0	56.0	54.8	55.3	52.8	55.0	48.0	42.8	40.3	36.8	28.0	28.0	25.3	24.0	29.0	25.5	30.0
WD (deg)	209	205	205	202	199	203	199	186	185	182	177	174	173	173	173	174	174
WS(Km/hr)	10.0	11.1	10.6	10.6	10.1	10.0	10.1	10.0	10.2	9.8	10.5	11.0	10.9	10.7	10.8	10.9	10.3
Stage	**Germination and seedling**			**Vegetative growth**				**Flowering & fruiting**					**Harvesting**				
Favourable condition																	
Temperature	21-32 °C			20 to 25°C (During cultivation period high temperature and long day length increase no. of male flowers and reduce no. of female flowers)													
Relative Humidity	55-70%																
Soil Temperature	18 to 25 °C																
Sunshine Hour	6 to 8 hrs. (at least)																
Favorable environmental conditions for insects and diseases																	
Fruit fly				Temperature: 25-30° C, RH: 60-91%													
Pumpkin beetle				Temperature: 25-32° C, RH: 65-80%													
Aphid				Temperature: 22-30° C, RH:60-85%													
Powdery mildew				Temperature: 22-27° C, RH: Lower RH during day with higher RH during night													
Downy mildew				Temperature: 25-32° C, RH: 75-95%													
Wilting	Temperature: 22-27° C (Atmosphere), >24° C (Soil) RH: 70-80% (Soil)																
Anthracnose/Fruit rot								Temperature: 25-32° C, RH: High (89-85%), Higher infestation with continuous rainfall									
Weather warning																	
Rainfall (mm)	Early rainfall (15 mm or more)							40 mm or more (creates waterlogging condition)									
Cloudy weather	Cloudy condition																
Drougth	Drought due to lack of rainfall																
Duration of staying wet	land remain waterlogged for 3 to 7 days																
Hailstorm	Early rainfall and seasonal rainfall with hailstorm																
Windspeed (Km/hr.)	≥ 40 Km/hr																
Temperature (°C)	>35° C(During cultivation period high temperature and long day length increase no. of male flowers and reduce no. of female flowers)																

Crop Weather Calendar of *Rabi* season Sweet gourd: Dhaka region (Districts: Dhaka, Narayanganj, Gazipur, Kishoreganj, Narsingdi, Munshiganj, Manikganj, Tangail)

Region: Dhaka	Sweet gourd – *Rabi* season											Duration:120-150 days									
Months	**October**		**November**					**December**				**January**				**February**				**March**	
Std.Week/Normal	**42**	**43**	**44**	**45**	**46**	**47**	**48**	**49**	**50**	**51**	**52**	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**
Rainfall (mm)	40.5	26.0	12.5	10.0	6.0	1.5	4.5	1.5	4.5	1.5	3.5	1.0	0.0	0.0	0.5	3.5	3.5	2.5	12.0	3.5	4.0
Max. Temp. (ºC)	32.0	31.5	30.9	30.6	29.8	29.0	28.3	27.6	26.2	25.5	24.8	24.0	23.9	24.5	25.0	26.2	27.2	28.3	28.9	30.0	31.5
Min. Temp. (ºC)	23.8	22.3	21.5	20.5	28.7	17.7	16.1	15.5	14.7	13.5	12.9	12.4	12.0	12.0	12.1	13.6	14.3	15.5	16.5	17.5	18.6
Mean Temp. (ºC)	27.9	26.9	26.2	25.5	24.3	23.3	22.2	21.5	20.5	19.5	18.8	18.2	17.9	18.3	18.6	19.9	20.7	21.9	22.7	23.7	25.0
RHmax (%)	95.0	94.8	94.5	95.0	94.7	94.6	94.3	94.8	95.3	95.1	95.0	94.6	94.3	93.8	93.4	92.4	92.1	91.7	91.1	90.0	89.9
RHMin (%)	60.2	55.5	54.6	51.5	49.3	47.5	46.3	47.6	49.4	49.8	49.1	50.3	48.8	46.2	43.3	42.3	39.4	39.7	38.9	36.0	35.5
RHmean (%)	77.6	75.2	74.6	73.2	72.0	71.0	70.3	71.2	72.3	72.5	72.1	72.4	71.6	70.0	68.3	67.3	65.7	65.7	65.0	63.0	62.7
SShr (hrs)	47.5	54.0	49.5	51.5	51.5	52.0	51.5	48.5	46.5	44.5	44.5	42.5	42.5	45.0	49.0	49.5	51.5	53.0	54.5	56.0	55.0
WD (deg)	192	190	190	189	199	212	211	219	224	225	233	238	238	232	242	241	236	234	228	234	230
WS(Km/hr)	4.1	3.8	3.7	3.7	3.7	3.7	3.6	3.7	3.7	3.7	3.7	4.1	4.0	4.1	4.3	4.3	4.5	5.0	5.3	5.0	5.4

Stage	**Germination & Seedling**	**vegetative growth**	**Flowering & fruiting**	**Harvesting**
Favourable condition				
Temperature	21-32 ºC	20 to 25ºC (During cultivation period high temperature and long day length increase no. of male flowers and reduce no. of female flowers)		
Relative Humidity	55-70%			
Soil Temperature	18 to 25 ºC			
Sunshine Hour	6 to 8 hrs. (at least)			
Favorable environmental conditions for insects and diseases				
Fruit fly		Temperature: 25-30º C, RH: 60-91%		
Pumpkin beetle		Temperature: 25-32º C, RH: 65-80%		
Aphid		Temperature: 22-30º C, RH:60-85%		
Powdery mildew		Temperature: 22-27º C, RH: Lower RH during day with higher RH during night		
Downy mildew		Temperature: 25-32º C, RH: 75-95%		
Wilting	Temperature: 22-27º C (Atmosphere), >24º C (Soil) RH: 70-80% (Soil)			
Anthracnose/Fruit rot			Temperature: 25-32º C, RH: High (89-85%), Higher infestation with continuous rainfall	
Weather warning				
Rainfall (mm)	20 to 30 mm rainfall (creates waterlogging condition)		Early rainfall (10 to 15 mm or more)	
Cloudy weather	Cloudy condition			
Drougth		Drought due to excessive dry weather		
Duration of staying wet	Land remain waterlogged for 3 to 7 days			
Hailstorm	Seasonal rainfall with hailstorm			Early rainfall with hailstorm
Windspeed (Km/hr.)	≥ 40 Km/hr			
Temperature (ºC)	>35º C(During cultivation period high temperature and long day length increase no. of male flowers and reduce no. of female flowers)			

Crop Weather Calendar of *Kharif* season Sweet gourd: Dhaka region (Districts: Dhaka, Narayanganj, Gazipur, Kishoreganj, Narsingdi, Munshiganj, Manikganj, Tangail)

Region: Dhaka	Sweet gourd – *Kharif* season																					Duration:130-150 days
Months	**March**					**April**				**May**				**June**					**July**			
Std.Week/Normal	**9**	**10**	**11**	**12**	**13**	**14**	**15**	**16**	**17**	**18**	**19**	**20**	**21**	**22**	**23**	**24**	**25**	**26**	**27**	**28**	**29**	**30**
Rainfall (mm)	3.5	4.0	9.5	13.5	20.5	25.0	21.0	31.5	42.5	46.0	55.5	55.5	75.5	70.0	72.5	86.5	81.0	77.5	82.5	73.5	91.0	81.5
Max. Temp. (ºC)	30.0	31.5	32.3	33.4	33.2	33.9	24.6	34.1	33.8	33.6	33.7	33.7	33.2	33.5	33.4	32.8	32.2	32.2	32.1	32.0	31.7	32.2
Min. Temp. (ºC)	17.5	18.6	19.8	19.8	21.8	22.9	23.5	23.7	23.6	23.7	24.2	24.6	24.9	25.4	25.8	25.9	26.2	26.2	26.1	26.2	26.0	26.0
Mean Temp. (ºC)	23.7	25.0	26.1	26.1	27.5	28.4	29.0	28.9	28.7	28.6	28.9	29.2	29.0	29.4	29.6	29.3	29.2	29.2	29.1	29.1	28.8	29.1
RHmax (%)	90.0	89.9	89.2	89.6	90.3	91.3	91.4	91.4	91.7	92.3	92.8	92.9	93.5	93.8	94.0	94.5	94.4	94.7	94.7	94.1	94.5	94.3
RHMin (%)	36.0	35.5	35.9	38.9	44.5	45.9	47.1	52.0	55.1	56.7	58.6	60.4	63.5	65.0	66.7	69.9	71.5	72.9	73.5	73.1	73.5	71.1
RHmean (%)	63.0	62.7	62.5	64.3	67.4	68.6	69.2	71.7	73.4	74.5	75.7	76.7	78.5	79.4	80.3	82.2	83.0	83.8	84.1	83.6	84.0	82.7
SShr (hrs)	56.0	55.0	58.0	55.5	52.5	53.5	54.0	55.0	54.5	51.5	48.0	48.0	42.5	42.0	38.5	31.0	26.0	26.0	27.0	27.5	28.5	32.0
WD (deg)	234	230	223	206	188	181	175	167	156	159	164	156	155	157	161	157	157	158	162	157	161	159
WS(Km/hr)	5.0	5.4	5.7	6.2	6.5	6.5	6.6	6.6	6.7	6.8	6.5	6.4	6.1	5.8	5.6	6.3	6.5	6.5	5.8	5.9	6.1	5.9

Stage	**Germination & Seedling**	**vegetative growth**	**Flowering & fruiting**	**Harvesting**
Favourable condition				
Temperature	21-32 ºC	20 to 25ºC (During cultivation period high temperature and long day length increase no. of male flowers and reduce no. of female flowers)		
Relative Humidity	55-70%			
Soil Temperature	18 to 25 ºC			
Sunshine Hour	6 to 8 hrs. (at least)			
Favorable environmental conditions for insects and diseases				
Fruit fly		Temperature: 25-30º C, RH: 60-91%		
Pumpkin beetle		Temperature: 25-32º C, RH: 65-80%		
Aphid		Temperature: 22-30º C, RH:60-85%		
Powdery mildew		Temperature: 22-27º C, RH: Lower RH during day with higher RH during night		
Downy mildew		Temperature: 25-32º C, RH: 75-95%		
Wilting	Temperature: 22-27º C (Atmosphere), >24º C (Soil) RH: 70-80% (Soil)			
Anthracnose/Fruit rot			Temperature: 25-32º C, RH: High (89-85%), Higher infestation with continuous rainfall	
Weather warning				
Rainfall (mm)	Early rainfall (15 mm or more)		40 mm or more (creates waterlogging condition)	
Cloudy weather	Cloudy condition			
Drougth	Drought due to lack of rainfall and excessive dry weather			
Duration of staying wet	Land remain waterlogged for 3 to 7 days			
Hailstorm	Early rainfall and seasonal rainfall with hailstorm			
Windspeed (Km/hr.)	≥ 40 Km/hr			
Temperature (ºC)	>35º C(During cultivation period high temperature and long day length increase no. of male flowers and reduce no. of female flowers)			

Crop Weather Calendar of *Rabi* season Sweet gourd: Mymensingh region (Districts: Mymensingh, Netrokona, Jamalpur, Sherpur)

Reg.: Mymensingh	Sweet gourd – *Rabi* season													Duration:130-150 days							
Months	**October**				**November**					**December**				**January**				**February**			
Std.Week/Normal	**40**	**41**	**42**	**43**	**44**	**45**	**46**	**47**	**48**	**49**	**50**	**51**	**52**	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**
Rainfall (mm)	71.0	52.0	45.0	15.0	7.0	5.0	5.0	0.0	4.0	1.0	3.0	0.0	2.0	0.0	3.0	1.0	0.0	2.0	1.0	5.0	7.0
Max. Temp. (°C)	32.0	31.7	31.6	31.1	30.9	30.3	30.0	28.9	28.3	27.6	26.3	25.4	25.0	24.4	24.0	24.0	25.1	25.9	26.6	27.4	28.1
Min. Temp. (°C)	25.0	24.3	23.4	21.7	20.9	19.7	18.3	17.0	15.4	15.0	14.0	13.3	12.4	12.0	11.6	11.9	12.0	13.0	13.7	15.0	15.9
Mean Temp. (°C)	28.5	28.0	27.5	26.4	25.9	25.0	24.2	23.0	21.9	21.3	21.2	19.4	18.7	18.2	17.8	18.0	18.6	19.5	20.2	21.2	22.0
RHmax (%)	95.6	95.3	95.3	95.4	95.0	95.0	94.6	95.0	95.1	95.3	95.6	95.6	95.3	95.1	94.4	94.4	93.4	92.6	92.1	91.4	90.6
RHMin (%)	72.6	70.3	66.7	62.7	61.0	58.4	55.9	53.0	51.6	52.3	54.1	53.6	53.7	53.6	53.1	51.4	47.0	47.9	45.3	45.0	45.1
RHmean (%)	84.1	82.8	81.0	79.1	78.0	76.7	75.3	74.0	73.4	73.8	74.9	74.9	74.5	74.4	73.8	72.9	70.2	70.3	68.7	68.2	67.9
SShr (hrs)	40.0	41.0	47.0	53.0	51.0	53.0	52.0	53.0	50.0	49.0	43.0	40.0	42.0	41.0	39.0	41.0	45.0	44.0	48.0	50.0	50.0
WD (deg)	181	174	193	197	186	181	186	186	193	191	206	199	221	230	236	216	238	228	218	222	210
WS(Km/hr)	4.3	3.9	3.7	3.7	3.7	3.9	3.7	3.7	3.7	3.0	3.5	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.9	4.4	5.4
Stage	**Germination & Seedling**				**vegetative growth**				**Flowering & fruiting**					**Harvesting**							
Favourable condition																					
Temperature	21 to 32 °C				20 to 25°C (During cultivation period high temperature and long day length increase no. of male flowers and reduce no. of female flowers)																
Relative Humidity	55-70%																				
Soil Temperature	18 to 25 °C																				
Sunshine Hour	6 to 8 hrs. (at least)																				
Favorable environmental conditions for insects and diseases																					
Fruit fly					Temperature: 25-30° C, RH: 60-91%																
Pumpkin beetle					Temperature: 25-32° C, RH: 65-80%																
Aphid					Temperature: 22-30° C, RH:60-85%																
Powdery mildew					Temperature: 22-27° C, RH: Lower RH during day with higher RH during night																
Downy mildew					Temperature: 25-32° C, RH: 75-95%																
Wilting	Temperature: 22-27° C (Atmosphere), >24° C (Soil) RH: 70-80% (Soil)																				
Anthracnose/Fruit rot									Temperature: 25-32° C, RH: High (89-85%), Higher infestation with continuous rainfall												
Weather warning																					
Rainfall (mm)	20 to 30 mm rainfall (creates waterlogging condition)													Early rainfall (15 mm or more)							
Cloudy weather	Cloudy condition																				
Drougth	Drought due to lack of rainfall								Drought due to excessive dry weather												
Duration of staying wet	Land remain waterlogged for 3 to 7 days																				
Hailstorm	Seasonal rainfall with hailstorm																				
Windspeed (Km/hr.)	≥ 40 Km/hr																				
Temperature (°C)	>35° C(During cultivation period high temperature and long day length increase no. of male flowers and reduce no. of female flowers)																				

Crop Weather Calendar of *Kharif* season Sweet gourd: Mymensingh region (Districts: Mymensingh, Netrokona, Jamalpur, Sherpur)

Reg.: Mymensingh	Sweet gourd – *Kharif* season													Duration:120-150 days							
Months	**April**				**May**					**June**				**July**				**August**			
Std.Week/Normal	**14**	**15**	**16**	**17**	**18**	**19**	**20**	**21**	**22**	**23**	**24**	**25**	**26**	**27**	**28**	**29**	**30**	**31**	**32**	**33**	**34**
Rainfall (mm)	20.0	30.0	40.0	36.0	55.0	62.0	69.0	97.0	81.0	96.0	103.0	98.0	85.0	109.0	99.0	89.0	100.0	72.0	74.0	67.0	81.0
Max. Temp. (°C)	32.1	32.7	32.0	31.7	31.6	31.9	32.3	32.0	32.0	32.0	31.7	31.4	31.0	31.1	31.3	31.3	31.1	32.0	32.0	32.0	32.0
Min. Temp. (°C)	21.9	22.4	22.9	22.9	22.9	23.6	24.0	24.3	25.0	25.6	25.7	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.3	26.3	26.0
Mean Temp. (°C)	27.0	27.6	27.5	27.3	27.3	27.8	28.2	28.2	28.5	28.8	28.7	28.7	28.5	28.6	28.7	28.7	28.6	29.1	29.2	29.2	29.0
RHmax (%)	89.9	90.9	91.1	91.3	92.4	92.6	92.7	92.7	94.0	94.1	94.7	95.0	94.7	95.0	94.6	94.6	94.9	94.7	93.9	94.0	94.9
RHMin (%)	55.0	56.6	61.1	62.6	64.6	66.0	66.4	69.4	71.9	73.0	75.4	76.6	77.7	77.6	77.0	76.6	76.4	74.6	74.6	74.9	75.9
RHmean (%)	72.5	73.8	76.1	77.0	78.5	79.3	79.6	81.1	83.0	83.6	85.1	85.8	86.2	86.3	85.8	85.6	85.7	84.7	84.3	84.5	85.4
SShr (hrs)	49.0	49.0	49.0	46.0	44.0	44.0	45.0	39.0	36.0	34.0	26.0	25.0	23.0	24.0	24.0	25.0	30.0	33.0	31.0	30.0	26.0
WD (deg)	149	146	143	128	126	134	131	126	130	142	138	143	144	156	152	152	151	153	149	148	157
WS(Km/hr)	7.2	6.8	7.2	7.6	7.4	6.8	7.4	7.4	6.8	6.1	7.4	6.8	7.2	7.2	6.8	7.2	6.1	6.1	6.1	6.1	5.7

Stage	**Germination & Seedling**	**vegetative growth**	**Flowering & fruiting**	**Harvesting**
Favourable condition				
Temperature	21 to 32 ºC	20 to 25ºC (During cultivation period high temperature and long day length increase no. of male flowers and reduce no. of female flowers)		
Relative Humidity	55-70%			
Soil Temperature	18 to 25 ºC			
Sunshine Hour	6 to 8 hrs. (at least)			
Favorable environmental conditions for insects and diseases				
Fruit fly		Temperature: 25-30º C, RH: 60-91%		
Pumpkin beetle		Temperature: 25-32º C, RH: 65-80%		
Aphid		Temperature: 22-30º C, RH:60-85%		
Powdery mildew		Temperature: 22-27º C, RH: Lower RH during day with higher RH during night		
Downy mildew		Temperature: 25-32º C, RH: 75-95%		
Wilting	Temperature: 22-27º C (Atmosphere), >24º C (Soil) RH: 70-80% (Soil)			
Anthracnose/Fruit rot			Temperature: 25-32º C, RH: High (89-85%), Higher infestation with continuous rainfall	
Weather warning				
Rainfall (mm)	Early rainfall (15 mm or more)		40 mm or more (creates waterlogging condition)	
Cloudy weather	Cloudy condition			
Drougth	Drought due to lack of rainfall and excessive dry weather			
Duration of staying wet	Land remain waterlogged for 3 to 7 days			
Hailstorm	Early rainfall and seasonal rainfall with hailstorm			
Windspeed (Km/hr.)	≥ 40 Km/hr			
Temperature (ºC)	>35º C(During cultivation period high temperature and long day length increase no. of male flowers and reduce no. of female flowers)			

Crop Weather Calendar of *Rabi* season Sweet gourd: Sylhet region (Districts: Sylhet, Moulvibazar, Habiganj, Sunamganj)

Region:Sylhet	Sweet gourd – *Rabi* season													Duration:110-120 days			
Months	**October**				**November**					**December**				**January**			
Std.Week/Normal	**40**	**41**	**42**	**43**	**44**	**45**	**46**	**47**	**48**	**49**	**50**	**51**	**52**	**1**	**2**	**3**	**4**
Rainfall (mm)	63.0	60.0	36.5	24.5	12.0	14.5	8.5	0.5	7.0	0.5	4.5	1.0	4.0	0.0	0.5	0.5	1.0
Max. Temp. (°C)	31.9	31.7	31.6	31.4	30.9	30.1	29.6	29.0	28.2	27.8	26.9	26.1	25.7	25.3	24.7	25.1	25.8
Min. Temp. (°C)	24.0	23.4	22.7	21.2	20.4	19.1	17.3	16.6	15.3	14.3	13.7	12.6	12.0	11.4	11.3	11.3	11.1
Mean Temp. (°C)	27.9	27.5	27.2	26.3	25.7	24.6	23.5	22.8	21.7	21.1	20.3	19.3	18.8	18.3	18.0	18.0	18.4
RHmax (%)	96.4	96.1	96.0	95.6	95.4	95.2	95.2	95.3	95.5	94.7	95.7	95.3	96.1	95.8	96.1	95.5	94.9
RHMin (%)	96.4	96.1	66.5	63.1	61.9	59.2	56.2	54.4	53.5	51.4	53.6	53.0	52.7	53.5	53.9	50.7	48.1
RHmean (%)	83.8	84.4	81.3	79.3	78.6	77.2	75.7	74.9	74.5	73.0	74.6	74.2	74.4	74.6	75.0	73.1	71.5
SShr (hrs)	71.2	68.7	49.5	54.5	52.5	55.5	55.5	56.5	56.0	55.5	50.5	51.5	50.5	51.0	45.0	48.0	51.0
WD (deg)	190	191	187	191	173	179	180	184	190	177	186	191	203	200	211	213	219
WS(Km/hr)	83.8	82.4	4.6	4.5	4.7	4.5	4.3	4.6	4.3	4.2	4.5	4.5	4.3	4.6	4.9	5.1	4.8

Stage	**Germination & Seedling**	**vegetative growth**	**Flowering & fruiting**	**Harvesting**
Favourable condition				
Temperature	21 to 32 °C	20 to 25°C (During cultivation period high temperature and long day length increase no. of male flowers and reduce no. of female flowers)		
Relative Humidity	55-70%			
Soil Temperature	18 to 25 °C			
Sunshine Hour	6 to 8 hrs. (at least)			
Favorable environmental conditions for insects and diseases				
Fruit fly		Temperature: 25-30° C, RH: 60-91%		
Pumpkin beetle		Temperature: 25-32° C, RH: 65-80%		
Aphid		Temperature: 22-30° C, RH:60-85%		
Powdery mildew		Temperature: 22-27° C, RH: Lower RH during day with higher RH during night		
Downy mildew		Temperature: 25-32° C, RH: 75-95%		
Wilting	Temperature: 22-27° C (Atmosphere), >24° C (Soil) RH: 70-80% (Soil)			
Anthracnose/Fruit rot			Temperature: 25-32° C, RH: High (89-85%), Higher infestation with continuous rainfall	
Weather warning				
Rainfall (mm)	20 to 30 mm rainfall (creates waterlogging condition)			
Cloudy weather	Cloudy condition			
Drougth	Drought due to lack of rainfall		Drought due to excessive dry weather	
Duration of staying wet	Land remain waterlogged for 3 to 7 days			
Hailstorm	Seasonal rainfall with hailstorm			
Windspeed (Km/hr.)	≥ 40 Km/hr			
Temperature (°C)	>35° C(During cultivation period high temperature and long day length increase no. of male flowers and reduce no. of female flowers)			

Crop Weather Calendar of *Kharif* season Sweet gourd: Sylhet region (Districts: Sylhet, Moulvibazar, Habiganj, Sunamganj)

Region:Sylhet	Sweet gourd – *Kharif* season																				Duration:120-150 days
Months	**April**				**May**					**June**				**July**				**August**			
Std.Week/Normal	**14**	**15**	**16**	**17**	**18**	**19**	**20**	**21**	**22**	**23**	**24**	**25**	**26**	**27**	**28**	**29**	**30**	**31**	**32**	**33**	**34**
Rainfall (mm)	20.0	30.0	40.0	36.0	55.0	62.0	69.0	97.0	81.0	96.0	103.0	98.0	85.0	109.0	99.0	89.0	100.0	72.0	74.0	67.0	81.0
Max. Temp. (°C)	32.1	32.7	32.0	31.7	31.6	31.9	32.3	32.0	32.0	32.0	31.7	31.4	31.0	31.1	31.3	31.3	31.1	32.0	32.0	32.0	32.0
Min. Temp. (°C)	21.9	22.4	22.9	22.9	22.9	23.6	24.0	24.3	25.0	25.6	25.7	26.0	26.0	26.0	26.0	26.0	26.0	26.1	26.3	26.3	26.0
Mean Temp. (°C)	27.0	27.6	27.5	27.3	27.3	27.8	28.2	28.2	28.5	28.8	28.7	28.7	28.5	28.6	28.7	28.7	28.6	29.1	29.2	29.2	29.0
RHmax (%)	89.9	90.9	91.1	91.3	92.4	92.6	92.7	92.7	94.0	94.1	94.7	95.0	94.7	95.0	94.6	94.6	94.9	94.7	939.9	94.0	94.9
RHMin (%)	55.0	56.6	61.1	62.6	64.6	66.0	66.4	69.4	71.9	73.0	75.4	76.6	77.7	77.6	77.0	76.6	76.4	74.6	74.6	74.9	75.9
RHmean (%)	72.5	73.8	76.1	77.0	78.5	79.3	79.6	81.1	83.0	83.6	85.1	85.8	86.2	86.3	85.8	85.6	85.7	84.7	84.3	84.5	85.4
SShr (hrs)	49.0	49.0	49.0	46.0	44.0	44.0	45.0	39.0	36.0	34.0	26.0	25.0	23.0	24.0	24.0	25.0	30.0	33.0	31.0	30.0	26.0
WD (deg)	149	146	143	128	126	134	131	126	130	142	138	143	144	156	152	152	151	153	149	148	157
WS(Km/hr)	7.2	6.8	7.2	7.6	7.4	6.8	7.4	7.4	6.8	6.1	7.4	6.8	7.2	7.2	6.8	7.2	6.1	6.1	6.1	6.1	5.7

Stage	**Germination & Seedling**	**vegetative growth**	**Flowering & fruiting**	**Harvesting**
Favourable condition				
Temperature	21 to 32 °C	20 to 25°C (During cultivation period high temperature and long day length increase no. of male flowers and reduce no. of female flowers)		
Relative Humidity	55-70%			
Soil Temperature	18 to 25 °C			
Sunshine Hour	6 to 8 hrs. (at least)			
Favorable environmental conditions for insects and diseases				
Fruit fly		Temperature: 25-30° C, RH: 60-91%		
Pumpkin beetle		Temperature: 25-32° C, RH: 65-80%		
Aphid		Temperature: 22-30° C, RH:60-85%		
Powdery mildew		Temperature: 22-27° C, RH: Lower RH during day with higher RH during night		
Downy mildew		Temperature: 25-32° C, RH: 75-95%		
Wilting	Temperature: 22-27° C (Atmosphere), >24° C (Soil) RH: 70-80% (Soil)			
Anthracnose/Fruit rot			Temperature: 25-32° C, RH: High (89-85%), Higher infestation with continuous rainfall	
Weather warning				
Rainfall (mm)	Early rainfall (15 mm or more)		40 mm or more (creates waterlogging condition)	
Cloudy weather	Cloudy condition			
Drougth	Drought due to lack of rainfall and excessive dry weather			
Duration of staying wet	Land remain waterlogged for 3 to 7 days			
Hailstorm	Early rainfall and Seasonal rainfall with hailstorm			
Windspeed (Km/hr.)	≥ 40 Km/hr			
Temperature (°C)	>35° C(During cultivation period high temperature and long day length increase no. of male flowers and reduce no. of female flowers)			

Crop Weather Calendar of Rabi Sweet Gourd: Bogra Region (Districts: Bogra, Pabna, Sirajgonj, Joypurhat) Bangladesh

Bogra Region	Rabi Sweet Gourd															Life Span 140-150 day			
Months	October		November					December				January				February			
Std.Week/Normal	**42**	**43**	**44**	**45**	**46**	**47**	**48**	**49**	**50**	**51**	**52**	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**
Rainfall (mm)	25.0	18.0	5.0	5.0	0.0	0.0	3.0	0.0	3.0	0.0	4.0	0.0	2.0	2.0	1.0	1.0	1.0	4.0	3.0
Max. Temp. (°C)	32.0	31.6	31.0	30.7	30.1	29.7	28.9	27.7	26.3	25.0	25.7	24.0	24.0	24.3	25.4	25.9	26.9	27.7	28.6
Min. Temp. (°C)	23.4	21.7	21.0	19.9	18.3	17.3	15.7	15.0	14.1	12.0	13.4	12.0	11.4	11.4	12.0	12.9	13.6	14.6	15.4
Mean Temp. (°C)	27.7	26.7	26.0	25.3	24.2	23.5	22.3	21.4	20.2	18.7	19.6	18.1	17.7	17.9	18.7	19.4	20.3	21.2	22.0
RHmax (%)	95.7	95.1	94.3	94.6	94.1	93.9	93.9	93.7	94.6	94.3	94.6	94.1	94.3	94.3	93.9	93.1	92.1	91.4	90.4
RHMin (%)	62.1	57.9	55.6	52.4	49.9	48.3	47.0	48.1	50.6	50.6	50.0	50.9	49.0	47.7	46.0	44.9	41.4	40.3	39.1
RHmean (%)	78.9	76.5	75.0	73.5	72.0	71.1	70.5	70.9	72.6	72.5	72.3	72.5	71.7	71.0	70.0	69.0	66.8	65.9	64.8
SShr (hrs)	54.0	57.0	52.0	55.0	55.0	56	56	54	48	49.0	46.0	44.0	44.0	46.0	50.0	50.0	52.0	53.0	56.0
WD (deg)	199	198	186	200	202	205	217	222	232	249	248	258	247	239	252	249	233	234	229
WS(Km/hr)	5.0	4.4	4.4	3.7	3.7	3.7	3.7	3.7	3.9	3.7	3.7	4.3	5.4	4.8	5.0	5.4	5.6	5.6	6.7

Stage	Germination and Seedling Planting	Vegetative Growth	Flowering & Fruiting	Harvesting
Favourable condition				
Temperature	21 to 32 °C	20 to 25°C (During cultivation period high temperature and long day length increase no. of male flowers and reduce no. of female flowers)		
Relative Humidity	55-70%			
Soil Temperature	18 to 25 °C			
Sunshine Hour	6 to 8 hrs. (at least)			
Favorable environmental conditions for insects and diseases				
Fruit fly		Temperature: 25-30°C,RH: 60-91%		
Pumpkin beetle		Temperature: 25-32°C,RH: 65-80%		
Aphid		Temperature: 22-30°C,RH:60-85%		
Powdery mildew		Temperature: 22-27°C,RH: Lower RH during day with higher RH during night		
Downy mildew		Temperature: 25-32°C,RH: 75-95%		
Wilting	Temperature: 22-27°C (Atmosphere), >24°C (Soil) RH: 70-80% (Soil)			
Anthracnose/Fruit rot			Temperature: 25-32°C,RH: High (89-85%), Higher infestation with continuous rainfall	
Weather warning				
Rainfall (mm)	20 to 30 mm rainfall (creates waterlogging condition)			Early rainfall (15 mm or more)
Cloudy weather	Cloudy condition			
Drougth		Drought due to excessive dry weather		
Duration of staying wet	Land remain waterlogged for 3 to 7 days			
Hailstorm	Seasonal rainfall with hailstorm			Early rainfall with hailstorm
Windspeed (Km/hr.)	≥40 Km/hr			
Temperature (°C)	>35° C(During cultivation period high temperature and long day length increase no. of male flowers and reduce no. of female flowers)			

Crop Weather Calendar of Kharif Sweet Gourd: Bogra Region (Districts: Bogra, Pabna, Sirajgonj, Joypurhat) Bangladesh

Bogra Region	Rabi Sweet Gourd													Life Span 120-130 day			
Months	April				May					June				July			
Std.Week/Normal	**14**	**15**	**16**	**17**	**18**	**19**	**20**	**21**	**22**	**23**	**24**	**25**	**26**	**27**	**28**	**29**	**30**
Rainfall (mm)	8.0	12.0	26.0	28.0	37.0	42.0	45.0	58.0	59.0	74.0	70.0	92.0	76.0	93.0	80.0	91.0	76.0
Max. Temp. (ºC)	33.9	34.3	34.0	33.6	33.1	33.6	33.4	33.3	33.9	33.4	32.7	32.3	32.3	32.0	31.9	32.0	32.1
Min. Temp. (ºC)	22.3	23.0	23.0	23.1	23.3	23.9	24.3	24.6	25.0	25.9	26.0	26.1	26.1	26.0	26.1	26.0	26.1
Mean Temp. (ºC)	28.1	28.7	28.5	28.4	28.2	28.8	28.9	29.0	29.5	29.7	29.4	29.2	29.2	29.0	29.0	29.0	29.1
RHmax (%)	88.0	88.3	90.6	90.9	92.4	92.4	92.7	93.0	93.7	94.1	95.1	95.1	95.6	95.9	95.9	95.9	95.9
RHMin (%)	44.4	45.9	50.7	54.9	57.3	58.7	60.0	63.4	64.6	66.7	70.4	72.4	73.9	73.3	74.1	74.4	73.3
RHmean (%)	66.2	67.1	70.7	72.9	74.9	75.6	76.4	78.2	79.2	80.4	82.8	83.8	84.8	84.6	85.0	85.2	84.6
SShr (hrs)	56.0	56.0	55.0	52.0	48.0	50.0	49.0	46.0	44.0	39.0	33.0	28.0	26.0	28.0	31.0	29.0	28.0
WD (deg)	173	164	149	134	127	126	126	121	135	134	134	134	132	141	135	138	143
WS(Km/hr)	6.7	6.3	6.8	7.4	7.2	7.4	6.7	6.3	6.3	6.3	7.2	6.3	6.7	5.6	5.6	6.8	6.1
Stage	Germination and Seedling Planting				Vegetative Growth					Flowering & Fruiting				Harvesting			

Favourable condition				
Temperature	21 to 32 ºC	20 to 25ºC (During cultivation period high temperature and long day length increase no. of male flowers and reduce no. of female flowers)		
Relative Humidity	55-70%			
Soil Temperature	18 to 25 ºC			
Sunshine Hour	6 to 8 hrs. (at least)			
Favorable environmental conditions for insects and diseases				
Fruit fly		Temperature: 25-30ºC,RH: 60-91%		
Pumpkin beetle		Temperature: 25-32ºC,RH: 65-80%		
Aphid		Temperature: 22-30ºC,RH:60-85%		
Powdery mildew		Temperature: 22-27ºC,RH: Lower RH during day with higher RH during night		
Downy mildew		Temperature: 25-32ºC,RH: 75-95%		
Wilting	Temperature: 22-27ºC (Atmosphere), >24ºC (Soil) RH: 70-80% (Soil)			
Anthracnose/Fruit rot			Temperature: 25-32ºC,RH: High (89-85%), Higher infestation with continuous rainfall	
Weather warning				
Rainfall (mm)	20 to 30 mm rainfall (creates waterlogging condition)			Early rainfall (15 mm or more)
Cloudy weather	Cloudy condition			
Drougth		Drought due to excessive dry weather		
Duration of staying wet	Land remain waterlogged for 3 to 7 days			
Hailstorm	Seasonal rainfall with hailstorm			Early rainfall with hailstorm
Windspeed (Km/hr.)	≥40 Km/hr			
Temperature (ºC)	>35º C(During cultivation period high temperature and long day length increase no. of male flowers and reduce no. of female flowers)			

Crop Weather Calendar of **Rabi Sweet Gourd**: Cumilla Region (Districts: Cumilla, Chandpur, B.Baria) Bangladesh

Cumilla Region	**Rabi Sweet Gourd**											**Life Span 110-120 day**					
Months	October		November					December				January				February	
Std.Week/Normal	**42**	**43**	**44**	**45**	**46**	**47**	**48**	**49**	**50**	**51**	**52**	**1**	**2**	**3**	**4**	**5**	**6**
Rainfall (mm)	30.5	16.0	11.5	18.0	8.5	4.0	2.5	0.0	4.5	1.0	1.5	0.0	0.0	0.0	1.5	3.0	3.0
Max. Temp. (°C)	31.8	31.2	31.0	30.5	29.8	29.0	28.2	27.7	26.5	25.8	25.4	24.7	24.5	25.0	25.4	16.2	27.3
Min. Temp. (°C)	24.3	22.8	21.8	21.0	19.3	18.1	16.9	15.8	15.0	14.2	13.4	13.0	12.7	12.7	12.6	14.2	14.5
Mean Temp. (°C)	28.0	27.0	26.4	25.7	24.6	23.5	22.5	21.7	20.8	20.0	19.4	18.8	18.6	18.9	19.0	20.2	20.9
RHmax (%)	95.5	95.2	95.3	95.6	95.3	95.4	95.8	95.8	96.2	96.0	96.0	96.0	95.5	95.3	94.4	94.6	94.4
RHMin (%)	65.8	61.9	60.6	58.2	54.8	52.6	52.2	50.6	51.9	52.1	51.3	51.8	51.2	49.1	46.4	47.7	45.2
RHmean (%)	80.6	78.5	77.9	76.9	75.0	74.0	74.0	73.2	74.1	74.1	73.6	73.9	73.4	72.2	70.4	71.1	69.8
SShr (hrs)	44.5	50.5	47.0	49.5	50.0	50.5	48.5	47.5	42.5	40.5	40.0	40.0	37.0	43.5	47.0	47.0	50.0
WD (deg)	201	187	202	183	184	190	195	206	192	211	213	205	209	218	212	203	214
WS(Km/hr)	4.3	4.0	3.5	3.7	3.7	3.5	3.3	3.3	4.0	3.5	3.8	4.0	4.2	4.6	4.4	4.6	4.6
Stage	Seedling raising & planting		vegetative growth					Flowering & fruiting				Harvesting					

Favourable condition				
Temperature	21 to 32 °C	20 to 25°C (During cultivation period high temperature and long day length increase no. of male flowers and reduce no. of female flowers)		
Relative Humidity	55-70%			
Soil Temperature	18 to 25 °C			
Sunshine Hour	6 to 8 hrs. (at least)			
Favorable environmental conditions for insects and diseases				
Fruit fly		Temperature: 25-30°C,RH: 60-91%		
Pumpkin beetle		Temperature: 25-32°C,RH: 65-80%		
Aphid		Temperature: 22-30°C,RH:60-85%		
Powdery mildew		Temperature: 22-27°C,RH: Lower RH during day with higher RH during night		
Downy mildew		Temperature: 25-32°C,RH: 75-95%		
Wilting	Temperature: 22-27°C (Atmosphere), >24°C (Soil) RH: 70-80% (Soil)			
Anthracnose/Fruit rot			Temperature: 25-32°C,RH: High (89-85%), Higher infestation with continuous rainfall	
Weather warning				
Rainfall (mm)	20 to 30 mm rainfall (creates waterlogging condition)			Early rainfall (15 mm or more)
Cloudy weather	Cloudy condition			
Drougth		Drought due to excessive dry weather		
Duration of staying wet	Land remain waterlogged for 3 to 7 days			
Hailstorm	Seasonal rainfall with hailstorm			Early rainfall with hailstorm
Windspeed (Km/hr.)	≥40 Km/hr			
Temperature (°C)	>35° C(During cultivation period high temperature and long day length increase no. of male flowers and reduce no. of female flowers)			

Crop Weather Calendar of **KharifSweet Gourd**: Cumilla Region (Districts: Cumilla, Chandpur, B.Baria) Bangladesh

Cumilla Region	**Rabi Sweet Gourd**									**Life Span 110-120 day**							
Months	February				March					April				May			
Std.Week/Normal	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**	**13**	**14**	**15**	**16**	**17**	**18**	**19**	**20**	**21**
Rainfall (mm)	3.0	3.0	6.0	7.5	4.5	7.0	9.0	19.0	27.0	25.5	23.0	33.0	42.0	54.5	63.5	66.0	71.0
Max. Temp. (°C)	16.2	27.3	28.1	29.1	29.8	30.9	32.0	32.2	32.5	32.5	33.0	33.2	33.1	32.9	33.2	33.2	32.9
Min. Temp. (°C)	14.2	14.5	16.2	16.7	18.1	19.2	19.9	21.5	22.0	23.1	23.5	23.7	23.5	23.7	24.3	24.7	25.2
Mean Temp. (°C)	20.2	20.9	22.1	22.9	23.9	25.0	25.9	26.8	27.3	27.8	28.2	28.4	28.3	28.3	28.7	28.9	29.0
RHmax (%)	94.6	94.4	93.9	94.1	93.9	93.9	93.5	93.7	94.0	94.1	93.8	93.9	94.1	94.2	94.0	94.5	94.3
RHMin (%)	47.7	45.2	46.8	46.1	46.8	47.4	47.7	52.6	55.9	58.7	59.6	60.9	61.7	63.0	63.5	64.8	66.7
RHmean (%)	71.1	69.8	70.3	70.1	70.3	70.6	70.6	73.1	74.9	76.4	76.7	77.4	77.9	78.6	78.7	79.6	80.5
SShr (hrs)	47.0	50.0	49.5	50.5	52.5	52.5	52.5	51.0	48.5	51.0	52.0	52.5	51.0	47.5	47.5	46.5	41.0
WD (deg)	203	214	206	214	215	216	211	199	191	194	187	185	179	180	192	183	192
WS(Km/hr)	4.6	4.6	4.6	4.6	4.6	4.8	5.5	5.6	6.8	7.1	7.9	7.7	7.5	7.4	7.7	7.5	6.8
Stage	Seedling raising & planting				vegetative growth					Flowering & fruiting				Harvesting			

Favourable condition				
Temperature	21 to 32 °C	20 to 25°C (During cultivation period high temperature and long day length increase no. of male flowers and reduce no. of female flowers)		
Relative Humidity	55-70%			
Soil Temperature	18 to 25 °C			
Sunshine Hour	6 to 8 hrs. (at least)			
Favorable environmental conditions for insects and diseases				
Fruit fly		Temperature: 25-30°C,RH: 60-91%		
Pumpkin beetle		Temperature: 25-32°C,RH: 65-80%		
Aphid		Temperature: 22-30°C,RH:60-85%		
Powdery mildew		Temperature: 22-27°C,RH: Lower RH during day with higher RH during night		
Downy mildew		Temperature: 25-32°C,RH: 75-95%		
Wilting	Temperature: 22-27°C (Atmosphere), >24°C (Soil) RH: 70-80% (Soil)			
Anthracnose/Fruit rot			Temperature: 25-32°C,RH: High (89-85%), Higher infestation with continuous rainfall	
Weather warning				
Rainfall (mm)	20 to 30 mm rainfall (creates waterlogging condition)			Early rainfall (15 mm or more)
Cloudy weather	Cloudy condition			
Drougth		Drought due to excessive dry weather		
Duration of staying wet	Land remain waterlogged for 3 to 7 days			
Hailstorm	Seasonal rainfall with hailstorm			Early rainfall with hailstorm
Windspeed (Km/hr.)	≥40 Km/hr			
Temperature (°C)	>35° C(During cultivation period high temperature and long day length increase no. of male flowers and reduce no. of female flowers)			

Crop Weather Calendar of Rabi Sweet Gourd:JashoreRegion (Districts: Jashore, Kushtia, Chuadanga, Jhenaidah, Meherpur, Magura) **Bangladesh**

Region: Jesshore	Rabi Sweet Gourd																	Life Span 140-150 day				
Months	November					December				January				February				March				
Std.Week/Normal	**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
Stage	Seedling raising & planting					vegetative growth				Flowering & fruiting								Harvesting				

Favourable condition				
Temperature	21 to 32 °C	20 to 25°C (During cultivation period high temperature and long day length increase no. of male flowers and reduce no. of female flowers)		
Relative Humidity	55-70%			
Soil Temperature	18 to 25 °C			
Sunshine Hour	6 to 8 hrs. (at least)			
Favorable environmental conditions for insects and diseases				
Fruit fly		Temperature: 25-30°C,RH: 60-91%		
Pumpkin beetle		Temperature: 25-32°C,RH: 65-80%		
Aphid		Temperature: 22-30°C,RH:60-85%		
Powdery mildew		Temperature: 22-27°C,RH: Lower RH during day with higher RH during night		
Downy mildew		Temperature: 25-32°C,RH: 75-95%		
Wilting	Temperature: 22-27°C (Atmosphere), >24°C (Soil) RH: 70-80% (Soil)			
Anthracnose/Fruit rot			Temperature: 25-32°C,RH: High (89-85%), Higher infestation with continuous rainfall	
Weather warning				
Rainfall (mm)	Early rainfall (15 mm or more)		40 mm or more (creates waterlogging condition)	
Cloudy weather	Cloudy condition			
Drougth	Drought due to lack of rainfall			
Duration of staying wet	Land remain waterlogged for 3 to 7 days			
Hailstorm	Early rainfall and seasonal rainfall with hailstorm			
Windspeed (Km/hr.)	≥40 Km/hr			
Temperature (°C)	>35° C(During cultivation period high temperature and long day length increase no. of male flowers and reduce no. of female flowers)			

Crop Weather Calendar of Kharif Sweet Gourd:JashoreRegion (Districts: Jashore, Kushtia, Chuadanga, Jhenaidah, Meherpur, Magura) **Bangladesh**

Region: Jesshore	Kharif Sweet Gourd									Life Span 140-150 day												
Months	April				May					June				July				August				
Std.Week/Normal	**14**	**15**	**16**	**17**	**18**	**19**	**20**	**21**	**22**	**23**	**24**	**25**	**26**	**27**	**28**	**29**	**30**	**31**	**32**	**33**	**34**	**35**
Rainfall (mm)	11.5	7.0	12.5	21.5	28.5	30.5	36.0	44.5	38.5	49.5	54.5	81.0	72.5	82.0	72.0	83.5	73.0	63.5	56.0	68.0	48.5	50.5
Max. Temp. (°C)	35.5	36.1	36.5	36.3	36.0	36.0	35.9	35.5	35.6	35.3	34.0	33.3	33.0	32.7	32.9	32.7	32.7	33.0	32.8	32.7	33.1	33.3
Min. Temp. (°C)	22.8	23.5	24.1	24.2	24.2	25.2	25.0	25.5	26.0	26.2	26.2	26.1	26.2	26.0	26.1	26.2	26.2	26.0	26.2	26.0	26.1	26.0
Mean Temp. (°C)	29.2	29.8	30.3	30.3	30.1	30.6	30.4	30.5	30.8	30.7	30.1	29.7	29.6	29.4	29.5	29.5	29.4	29.5	29.5	29.3	29.6	29.6
RHmax (%)	92.4	92.9	92.4	92.3	92.8	92.7	93.1	93.6	94.0	94.1	94.8	95.7	96.0	96.1	96.1	96.1	96.1	96.0	96.2	96.5	96.2	96.2
RHMin (%)	41.5	41.6	44.3	46.9	49.9	51.7	54.8	58.7	60.0	62.1	67.5	71.7	73.5	74.4	73.4	74.6	73.4	72.6	73.0	73.0	71.7	71.0
RHmean (%)	66.9	67.2	68.3	69.6	71.3	72.2	74.0	76.1	77.0	78.1	81.1	83.7	84.7	85.2	84.7	85.3	84.7	84.3	84.6	84.7	83.9	83.6
SShr (hrs)	55.5	54.5	54.5	55.5	54.0	51.5	52.5	46.5	45.5	41.5	32.0	26.5	26.0	24.5	29.0	25.0	29.5	32.5	30.0	28.0	30.5	32.5
WD (deg)	209	204	193	188	186	186	180	181	180	183	174	175	178	186	178	180	177	172	175	175	185	171
WS(Km/hr)	5.1	5.2	5.7	5.6	5.6	5.8	5.2	5.2	5.0	4.6	4.9	4.6	4.6	4.4	4.3	4.4	4.7	4.3	4.4	4.3	3.9	4.1
Stage	Seedling raising & planting				vegetative growth					Flowering & fruiting							Harvesting					

Favourable condition				
Temperature	21 to 32 ºC	20 to 25ºC (During cultivation period high temperature and long day length increase no. of male flowers and reduce no. of female flowers)		
Relative Humidity	55-70%			
Soil Temperature	18 to 25 ºC			
Sunshine Hour	6 to 8 hrs. (at least)			
Favorable environmental conditions for insects and diseases				
Fruit fly		Temperature: 25-30ºC,RH: 60-91%		
Pumpkin beetle		Temperature: 25-32ºC,RH: 65-80%		
Aphid		Temperature: 22-30ºC,RH:60-85%		
Powdery mildew		Temperature: 22-27ºC,RH: Lower RH during day with higher RH during night		
Downy mildew		Temperature: 25-32ºC,RH: 75-95%		
Wilting	Temperature: 22-27ºC (Atmosphere), >24ºC (Soil) RH: 70-80% (Soil)			
Anthracnose/Fruit rot			Temperature: 25-32ºC,RH: High (89-85%), Higher infestation with continuous rainfall	
Weather warning				
Rainfall (mm)	Early rainfall (15 mm or more)		40 mm or more (creates waterlogging condition)	
Cloudy weather	Cloudy condition			
Drougth	Drought due to lack of rainfall			
Duration of staying wet	Land remain waterlogged for 3 to 7 days			
Hailstorm	Early rainfall and seasonal rainfall with hailstorm			
Windspeed (Km/hr.)	≥40 Km/hr			
Temperature (ºC)	>35º C(During cultivation period high temperature and long day length increase no. of male flowers and reduce no. of female flowers)			

Crop Weather Calendar of RabiSweet Gourd: Khulna Region (Districts: Khulna, Norail, Bagerhat&sathkhira) Bangladesh

Khulna Region	RabiSweet Gourd											Life Span 110-120 day					
Months	October		November					December				January				February	
Std.Week/Normal	**42**	**43**	**44**	**45**	**46**	**47**	**48**	**49**	**50**	**51**	**52**	**1**	**2**	**3**	**4**	**5**	**6**
Rainfall (mm)	31.5	26.5	9.5	13.0	8.0	3.0	3.5	1.0	4.0	0.0	1.0	3.0	1.5	0.0	3.5	5.5	6.5
Max. Temp. (°C)	32.4	31.7	31.0	31.0	30.1	29.5	28.5	27.7	27.0	26.0	25.6	25.0	25.0	25.8	26.2	27.0	27.7
Min. Temp. (°C)	24.2	22.5	21.5	20.6	19.3	18.0	16.3	15.3	14.5	13.4	12.6	12.2	12.2	12.7	12.4	13.9	14.5
Mean Temp. (°C)	28.3	27.1	26.3	25.8	24.7	23.7	22.4	21.5	20.7	19.7	19.1	18.6	18.6	19.2	19.3	20.4	21.1
RHmax (%)	96.2	96.3	96.0	95.6	95.9	95.8	95.5	94.7	95.7	95.8	95.7	95.4	95.2	94.9	94.9	95.1	94.5
RHMin (%)	63.3	59.2	57.4	53.9	51.3	49.0	46.7	47.3	48.8	49.2	47.8	48.7	46.9	46.8	44.3	44.9	43.4
RHmean (%)	79.8	77.8	76.7	74.7	73.6	72.4	71.1	71.0	72.2	72.5	71.7	72.0	71.0	70.8	69.6	70.0	69.0
SShr (hrs)	49.5	52.5	48.5	53.5	52.5	53.5	53.0	52.0	49.5	48.0	48.5	47.0	46.5	49.5	53.0	52.5	53.5
WD (deg)	193	184	173	176	189	197	197	194	189	181	177	175	182	198	198	190	193
WS(Km/hr)	4.1	3.8	3.4	4.1	3.8	4.3	4.3	4.0	4.5	4.1	.6	4.6	4.7	4.3	4.6	4.9	5.0
Stage	Seedling raising & planting		vegetative growth					Flowering & fruiting				Harvesting					

Favourable condition				
Temperature	21 to 32 ºC	20 to 25ºC (During cultivation period high temperature and long day length increase no. of male flowers and reduce no. of female flowers)		
Relative Humidity	55-70%			
Soil Temperature	18 to 25 ºC			
Sunshine Hour	6 to 8 hrs. (at least)			
Favorable environmental conditions for insects and diseases				
Fruit fly		Temperature: 25-30ºC,RH: 60-91%		
Pumpkin beetle		Temperature: 25-32ºC,RH: 65-80%		
Aphid		Temperature: 22-30ºC,RH:60-85%		
Powdery mildew		Temperature: 22-27ºC,RH: Lower RH during day with higher RH during night		
Downy mildew		Temperature: 25-32ºC,RH: 75-95%		
Wilting	Temperature: 22-27ºC (Atmosphere), >24ºC (Soil) RH: 70-80% (Soil)			
Anthracnose/Fruit rot			Temperature: 25-32ºC,RH: High (89-85%), Higher infestation with continuous rainfall	
Weather warning				
Rainfall (mm)	Early rainfall (15 mm or more)		40 mm or more (creates waterlogging condition)	
Cloudy weather	Cloudy condition			
Drougth	Drought due to lack of rainfall			
Duration of staying wet	Land remain waterlogged for 3 to 7 days			
Hailstorm	Early rainfall and seasonal rainfall with hailstorm			
Windspeed (Km/hr.)	≥40 Km/hr			
Temperature (ºC)	>35º C(During cultivation period high temperature and long day length increase no. of male flowers and reduce no. of female flowers)			

Crop Weather Calendar of Kharif Sweet Gourd: Khulna Region (Districts: Khulna, Norail, Bagerhat&sathkhira) Bangladesh

Khulna Region	Kharif Sweet Gourd									Life Span 110-120 day							
Months	February				March					April				May			
Std.Week/Normal	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**	**13**	**14**	**15**	**16**	**17**	**18**	**19**	**20**	**21**
Rainfall (mm)	5.5	6.5	5.0	13.5	6.5	2.5	6.5	13.5	16.0	12.5	12.5	17.5	25.0	31.5	32.5	37.0	47.5
Max. Temp. (°C)	27.0	27.7	29.0	30.1	31.0	32.4	33.4	34.1	34.0	35.0	35.2	35.2	35.2	35.1	35.2	35.3	35.1
Min. Temp. (°C)	13.9	14.5	16.2	17.0	18.1	19.4	20.4	22.0	22.7	24.0	24.3	24.9	25.0	25.0	25.3	25.8	26.0
Mean Temp. (°C)	20.4	21.1	22.6	23.6	24.5	25.9	26.9	28.1	28.4	29.5	29.8	30.1	30.1	30.0	30.2	30.6	30.5
RHmax (%)	95.1	94.5	94.3	94.3	93.7	93.7	93.5	94.5	94.1	94.3	93.7	93.3	93.2	93.0	93.1	93.4	93.7
RHMin (%)	44.9	43.4	43.9	41.8	40.7	40.7	40.2	44.2	47.3	48.8	49.2	52.4	53.7	55.3	57.4	57.9	60.7
RHmean (%)	70.0	69.0	69.1	68.0	67.2	67.2	66.8	69.3	70.7	71.5	71.4	72.8	73.4	74.1	75.2	75.7	77.2
SShr (hrs)	52.5	53.5	55.5	55.5	57.5	57.5	59.0	57.0	56.5	59.0	60.0	61.5	58.0	59.5	56.5	55.0	47.0
WD (deg)	190	193	209	218	222	227	233	204	203	202	196	192	186	186	183	177	180
WS(Km/hr)	4.9	5.0	4.8	5.0	4.9	5.2	5.6	6.3	7.2	7.1	7.6	7.6	8.0	7.5	7.5	7.1	7.2
Stage	Seedling raising & planting				vegetative growth				Flowering & fruiting				Harvesting				

Favourable condition				
Temperature	21 to 32 °C	20 to 25°C (During cultivation period high temperature and long day length increase no. of male flowers and reduce no. of female flowers)		
Relative Humidity	55-70%			
Soil Temperature	18 to 25 °C			
Sunshine Hour	6 to 8 hrs. (at least)			
Favorable environmental conditions for insects and diseases				
Fruit fly		Temperature: 25-30°C,RH: 60-91%		
Pumpkin beetle		Temperature: 25-32°C,RH: 65-80%		
Aphid		Temperature: 22-30°C,RH:60-85%		
Powdery mildew		Temperature: 22-27°C,RH: Lower RH during day with higher RH during night		
Downy mildew		Temperature: 25-32°C,RH: 75-95%		
Wilting	Temperature: 22-27°C (Atmosphere), >24°C (Soil) RH: 70-80% (Soil)			
Anthracnose/Fruit rot			Temperature: 25-32°C,RH: High (89-85%), Higher infestation with continuous rainfall	
Weather warning				
Rainfall (mm)	Early rainfall (15 mm or more)		40 mm or more (creates waterlogging condition)	
Cloudy weather	Cloudy condition			
Drougth	Drought due to lack of rainfall			
Duration of staying wet	Land remain waterlogged for 3 to 7 days			
Hailstorm	Early rainfall and seasonal rainfall with hailstorm			
Windspeed (Km/hr.)	≥40 Km/hr			
Temperature (°C)	>35° C(During cultivation period high temperature and long day length increase no. of male flowers and reduce no. of female flowers)			

Crop Weather Calendar of Rabi Sweet Gourd:RajshahiRegion (Districts:Rajshahi, Chapainawabgonj, Naoga, Natore) Bangladesh

RajshahiRegion	Rabi Sweet Gourd									Life Span 140-150 day													
Months	November					December				January				February				March					APRI
Std.Week/Normal	৪৪	৪৫	৪৬	৪৭	৪৮	৪৯	৫০	৫১	৫২	১	২	৩	৪	৫	৬	৭	৮	৯	১০	১১	১২	১৩	১৪
Rainfall (mm)	৭.০	৫.০	১.০	০.০	২.০	১.০	৩.০	০.০	৪.০	১.০	১.০	২.০	১.০	৪.০	৩.০	২.০	৩.০	৫.০	৪.০	৩.০	৪.০	১৪.০	১৩.০
Max. Temp. (°C)	৩১.৭	৩১.০	২৯.৬	২৮.৯	২৮.৩	২৭.০	২৬.০	২৫.৪	২৪.৪	২৪.০	২৩.০	২৪.০	২৪.৯	২৫.৬	২৬.৭	২৮.১	২৯.৩	৩০.৪	৩২.১	৩৩.১	৩৪.৬	৩৫.০	৩৬.১
Min. Temp. (°C)	২৩.১	২১.৪	১৭.৬	১৬.৬	১৫.০	১৪.০	১৩.১	১২.৪	১১.৬	১১.০	১০.৯	১০.৯	১০.৯	১২.০	১২.৩	১৩.৬	১৪.১	১৫.১	১৬.৪	১৭.৬	১৯.৪	২০.৬	২২.১
Mean Temp. (°C)	২৭.৪	২৬.২	২৩.৬	২২.৮	২১.৭	২০.৫	১৯.৬	১৮.৯	১৮.০	১৭.৫	১৭.৪	১৭.৫	১৭.৯	১৮.৮	১৯.৫	২০.৯	২১.৭	২২.৮	২৪.৩	২৫.৪	২৭.০	২৭.৮	২৯.১
RHmax (%)	৯৬.১	৯৬.০	৯৫.৭	৯৫.৩	৯৪.৭	৯৪.৭	৯৫.৯	৯৫.৩	৯৫.৭	৯৫.৬	৯৫.১	৯৫.৩	৯৫.৩	৯৫.৩	৯৪.০	৯৩.৯	৯২.০	৯১.৬	৯০.৩	৮৮.৭	৮৮.৩	৮৯.১	৮৮.৯
RHMin (%)	৬০.৯	৫৭.৪	৪৯.৪	৪৭.৪	৪৫.৬	৪৬.৯	৫০.১	৫০.০	৫০.০	৫০.১	৪৮.৪	৪৭.৯	৪৫.৭	৪৪.৭	৪২.০	৪০.৩	৩৬.৬	৩৪.৬	৩২.৭	৩০.৪	৩০.৪	৩৫.৯	৩৪.৩
RHmean (%)	৭৮.৫	৭৬.৭	৭২.৬	৭১.৪	৭০.২	৭০.৮	৭৩.০	৭২.৭	৭২.৯	৭২.৯	৭১.৬	৭১.৬	৭০.৫	৭০.০	৬৮.০	৬৭.১	৬৪.৩	৬৩.১	৬১.৫	৫৯.৪	৫৯.৪	৬২.৫	৬১.৬
SShr (hrs)	৫৩.০	৫৬.০	৫৪.০	৫৫.০	৫৫.০	৫১.০	৪৭.০	৪৬.০	৪৪.০	৪২.০	৪২.০	৪৬.০	৫২.০	৫১.০	৫৫.০	৫৬.০	৫৮.০	৫৯.০	৫৯.০	৫৯.০	৫৯.০	৫২.০	৫৭.০
WD (deg)	১৪৬	১৪৬	১৫১	১৪৬	১৪৫	১৪৩	১৪৬	১৪৪	১৬৭	১৪৬	১৬১	১৭৪	১৯৬	১৯৮	১৯৫	১৯৭	২১৫	২০৯	২২০	২১৪	২০৮	১৮৬	১৮৫
WS(Km/hr)	৩.৯	৪.৩	৩.৭	৩.৭	৩.৭	৩.৭	৩.৭	৩.৭	৩.৭	৩.৯	৩.৭	৩.৭	৪.৪	৩.৯	৫.০	৩.৯	৫.০	৫.০	৫.৪	৫.৪	৫.৬	৫.৬	৬.১
Stage	অঙ্কুরোদগম ও চারা রোপণ					অঙ্গজ বৃদ্ধি				ফুল আসা ও ফল ধারণ						ফসল উত্তোলন						

Favourable condition				
Temperature	21 to 32 °C	20 to 25°C (During cultivation period high temperature and long day length increase no. of male flowers and reduce no. of female flowers)		
Relative Humidity	55-70%			
Soil Temperature	18 to 25 °C			
Sunshine Hour	6 to 8 hrs. (at least)			
Favorable environmental conditions for insects and diseases				
Fruit fly		Temperature: 25-30°C,RH: 60-91%		
Pumpkin beetle		Temperature: 25-32°C,RH: 65-80%		
Aphid		Temperature: 22-30°C,RH:60-85%		
Powdery mildew		Temperature: 22-27°C,RH: Lower RH during day with higher RH during night		
Downy mildew		Temperature: 25-32°C,RH: 75-95%		
Wilting	Temperature: 22-27°C (Atmosphere), >24°C (Soil) RH: 70-80% (Soil)			
Anthracnose/Fruit rot			Temperature: 25-32°C,RH: High (89-85%), Higher infestation with continuous rainfall	
Weather warning				
Rainfall (mm)	Early rainfall (15 mm or more)		40 mm or more (creates waterlogging condition)	
Cloudy weather	Cloudy condition			
Drougth	Drought due to lack of rainfall			
Duration of staying wet	Land remain waterlogged for 3 to 7 days			
Hailstorm	Early rainfall and seasonal rainfall with hailstorm			
Windspeed	≥40 Km/hr			

(Km/hr.)	
Temperature (ºC)	>35º C(During cultivation period high temperature and long day length increase no. of male flowers and reduce no. of female flowers)

Crop Weather Calendar of Rabi Sweet Gourd: Rajshahi Region (Districts:Rajshahi, Chapainawabgonj, Naoga, Natore) **Bangladesh**

RajshahiRegion	**Rabi Sweet Gourd**													**Life Span 140-150 day**							
Months	এপ্রিল (চৈত্র-বৈশাখ)				মে (বৈশাখ-জৈষ্ঠ্য)					জুন (জৈষ্ঠ্য-আষাঢ়)				জুলাই (আষাঢ়-শ্রাবণ)				আগস্ট (শ্রাবণ-ভাদ্র)			
Std.Week/Normal	**১৪**	**১৫**	**১৬**	**১৭**	**১৮**	**১৯**	**২০**	**২১**	**২২**	**২৩**	**২৪**	**২৫**	**২৬**	**২৭**	**২৮**	**২৯**	**৩০**	**৩১**	**৩২**	**৩৩**	**৩৪**
Rainfall (mm)	১৩.০	১০.০	১৯.০	১৭.০	২৪.০	২৯.০	৩৩.০	৩৬.০	৩৪.০	৪৮.০	৫১.০	৭৮.০	৭২.০	৬৬.০	৭১.০	৭৫.০	৭২.০	৫২.০	৫৭.০	৬৪.০	৫৩.০
Max. Temp. (ºC)	৩৬.১	৩৬.৭	৩৬.৪	৩৫.৯	৩৫.৪	৩৫.৩	৩৫.১	৩৫.০	৩৫.৩	৩৫.০	৩৩.৯	৩৩.১	৩৩.০	৩২.৭	৩২.৯	৩২.৩	৩২.৬	৩২.৯	৩২.৯	৩২.৭	৩৩.০
Min. Temp. (ºC)	২২.১	২৩.০	২৩.৪	২৩.৯	২৩.৭	২৪.৩	২৪.৬	২৫.০	২৫.৪	২৫.৯	২৬.০	২৬.০	২৬.০	২৬.০	২৬.০	২৬.০	২৬.০	২৬.০	২৬..১	২৬.০	২৬.১
Mean Temp. (ºC)	২৯.১	২৯.৯	২৯.৯	২৯.৯	২৯.৬	২৯.৮	২৯.৯	৩০.০	৩০.৪	৩০.৫	৩০.০	২৯.৬	২৯.৫	২৯.৪	২৯.৫	২৯.২	২৯.৩	২৯.৫	২৯.৫	২৯.৪	২৯.৬
RHmax (%)	৮৮.৯	৮৯.০	৯০.১	৯০.৭	৯২.১	৯২.৭	৯৩.৩	৯৩.১	৯৩.৭	৯৪.৬	৯৫.৪	৯৬.১	৯৬.৬	৯৬.৬	৯৬.৯	৯৭.০	৯৬.৯	৯৬.৭	৯৬.৬	৯৬.৭	৯৬.১
RHMin (%)	৩৪.৩	৩৪.৬	৪১.৪	৪৫.১	৫০.০	৫১.৯	৫৫.৬	৫৮.৩	৫৮.৯	৬২.৬	৬৭.৯	৭১.১	৭৩.৪	৭৩.৭	৭৪.৩	৭৫.৩	৭৩.৯	৭২.৬	৭২.৬	৭৪.১	৭২.০
RHmean (%)	৬১.৬	৬১.৮	৬৫.৮	৬৭.৯	৭১.১	৭২.৩	৭৪.৫	৭৫.৭	৭৬.৩	৭৮.৬	৮১.৭	৮৩.৬	৮৫.০	৮৫.২	৮৫.৬	৮৬.২	৮৫.৪	৮৪.৭	৮৪.৬	৮৫.৪	৮৪.১
SShr (hrs)	৫৭.০	৫৭.০	৫৭.০	৫৬.০	৫২.০	৫৩.০	৫৪.০	৪৮.০	৫১.০	৪৮.০	৩৫.০	৩১.০	৩১.০	৩০.০	৩০.০	৩০.০	৩৪.০	৩৪.০	৩৬.০	৩৩.০	৩৪.০
WD (deg)	১৮৫	১৮৫	২৬৭	১৪৭	১৩৬	১৩৬	১৩৫	১২৬	১৩৩	১৩৯	১২৯	১২৭	১৩২	১৪১	১৩৪	১৩৮	১৪০	১৩১	১৩১	১৪১	১৪৩
WS(Km/hr)	৬.১	৬.১	৮.২	৭.৪	৭.৪	৭.২	৭.২	৭.২	৭.২	৬.৭	৬.৭	৬.৮	৬.৮	৫.৭	৬.১	৬.৩	৬.৭	৬.৩	৫.৬	৫.৭	৫.৬
Stage	অঙ্কুরোদগম ও চারা রোপণ				অঙ্গজ বৃদ্ধি					ফুল আসা ও ফল ধারণ				ফসল উত্তোলন							

Favourable condition				
Temperature	21 to 32 ºC	20 to 25ºC (During cultivation period high temperature and long day length increase no. of male flowers and reduce no. of female flowers)		
Relative Humidity	55-70%			
Soil Temperature	18 to 25 ºC			
Sunshine Hour	6 to 8 hrs. (at least)			
Favorable environmental conditions for insects and diseases				
Fruit fly		Temperature: 25-30ºC,RH: 60-91%		
Pumpkin beetle		Temperature: 25-32ºC,RH: 65-80%		
Aphid		Temperature: 22-30ºC,RH:60-85%		
Powdery mildew		Temperature: 22-27ºC,RH: Lower RH during day with higher RH during night		
Downy mildew		Temperature: 25-32ºC,RH: 75-95%		
Wilting	Temperature: 22-27ºC (Atmosphere), >24ºC (Soil) RH: 70-80% (Soil)			
Anthracnose/Fruit rot			Temperature: 25-32ºC,RH: High (89-85%), Higher infestation with continuous rainfall	
Weather warning				
Rainfall (mm)	Early rainfall (15 mm or more)		40 mm or more (creates waterlogging condition)	
Cloudy weather	Cloudy condition			
Drougth	Drought due to lack of rainfall			
Duration of staying wet	Land remain waterlogged for 3 to 7 days			
Hailstorm	Early rainfall and seasonal rainfall with hailstorm			
Windspeed (Km/hr.)	≥40 Km/hr			
Temperature (ºC)	>35º C(During cultivation period high temperature and long day length increase no. of male flowers and reduce no. of female flowers)			