



# NATIONAL AGROMETEOROLOGICAL ADVISORY SERVICE BULLETIN

20 May 2020 (WEDNESDAY)  
[FOR THE PERIOD 20.05.2020 – 24.05.2020]



## DISCLAIMER

Under the Agro-meteorological Information System Development Project, Agromet Advisory Service Bulletins at National & Sixty Four (64) districts have been prepared on experimental basis. These bulletins are being displayed through the website of Department of Agricultural Extension for valuable comments/ suggestions from all concerned.

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## ISSUED BY

Agro-Meteorological Information Systems  
Development Project  
Department of Agricultural Extension (DAE)  
Ministry of Agriculture  
In collaboration with Bangladesh  
Meteorological Department

## **Salient Agromet Advisories**

The cyclone 'AMPHAN'(pronunciation: UM-PUN) (ecp: 950 hpa) over Nort-west Bay and adjoining Northeast Bay and West central Bay moved north-north-eastwards and lies over the same area and was centred at 06 AM today (20 May 2020) within half a degree of lat. 19.7° N, long. 87.4° E (R) lat. 19.7° N, long. 87.4° E. It is likely to move in a north-north-easterly direction and may falls West Bengal-Bangladesh coat near Sundarbans during afternoon / evening 20 May 2020.

As per the weather forecast received from the Bangladesh Meteorological Department (BMD) during next 24 hours, Rain/thunder showers accompanied by temporary gusty/squally wind is likely to occur at most places over Khulna, Barishal, Chattogram, Rajshahi, Dhaka, Rangpur, Mymensingh & Sylhet divisions with heavy to very heavy falls at places over the country.. Day and night temperature may fall by (2-3)°C over the country.. As per the outlook issued by BMD for next 72 hours, weather may improve gradually. Besides, as per the medium range weather forecast, good amount of rainfall is expected during next five days.

### **Special Advisories due to expected impacts of Cyclone in Bangladesh likely to cross 20th May,2020**

- 1 Postpone the harvesting of boro paddy.
2. Make a heap of harvested crop in the field and cover it with polythene tightly so that there may not be any damage due to high wind & heavy rainfall
3. Postpone harvest matured vegetables and fruit crops.
4. Clean the irrigation channel so that there should not be any standing water in the crop field.
5. Arrange for elevated bunding around and inside the boro paddy field so that water current may not affect the standing crops.
6. Avoid application of fertilizer, pesticides, irrigation.
7. Keep all the farm produce in safe place.
8. Provide mechanical support like popping of sugarcane crops (tying of three to four plants together), support of horticultural crops particularly banana with three to four bamboos support to fruit plants and stacking of vegetables.
9. Arrange nets around the ponds so that fishes may not come out due to heavy rainfall
10. Livestock & poultry birds should be placed in indoors and dry places.
11. Fishermen are advised not to venture into Sea.

## Realized Weather at different locations in the country

Rainfall for last 24 hours (till 06 AM on 20 May 2020) and maximum temperature on 19 May, minimum temperature on 20 May 2020 is given below:

Name of Divisions	Name of Stations	Rain fall (mm)	Max. Temp (°C)	Min. Temp (°C)	Name of Divisions	Name of Stations	Rain fall (mm)	Max. Temp (°C)	Min. Temp (°C)
Dhaka	Dhaka	07	34.5	24.3	Rajshahi	Rajshahi	01	34.0	25.0
	Tangail	04	33.6	24.0		Ishurdi	02	34.0	24.5
	Faridpur	21	33.0	24.3		Bogura	01	33.7	25.1
	Madaripur	14	33.2	23.8		Badalgachhi	00	33.5	25.5
	Gopalganj	21	33.0	23.4		Tarash	Trace	33.0	25.0
	Nikli	03	33.4	24.5					
Mymensingh	Mymensingh	01	32.4	25.2	Rangpur	Rangpur	00	32.8	26.6
	Netrokona	Trace	32.0	25.0		Dinajpur	24	33.6	<b>23.1</b>
						Sayedpur	00	34.0	26.6
Chattogram	Chattogram	20	36.3	24.6		Tetulia	02	30.3	24.9
	Sandwip	07	35.1	25.1		Dimla	00	33.0	25.5
	Sitakunda	23	36.3	24.3		Rajarhat	00	32.0	26.0
	Rangamati	42	<b>37.3</b>	24.6	Khulna	Khulna	26	35.0	24.0
	Cumilla	21	34.7	24.0		Mongla	58	34.2	24.5
	Chandpur	10	35.0	24.2		Satkhira	35	33.4	23.5
	M.Court	10	35.5	24.5		Jashore	10	34.2	23.4
	Feni	<u>75</u>	35.0	24.0		Chuadanga	07	33.7	23.8
	Hatiya	29	34.0	24.8		Kumarkhali	15	32.6	24.0
	Cox's Bazar	Trace	35.5	25.8	Barishal	Barishal	49	33.4	24.0
	Kutubdia	40	34.5	26.0		Patuakhali	28	34.4	25.2
	Teknaf	01	33.6	25.7		Khepupara	25	34.5	25.4
				Bhola		14	34.4	25.0	
Sylhet	Sylhet	Trace	33.7	23.8					
	Srimangal	07	33.4	24.6					

### Highlights:

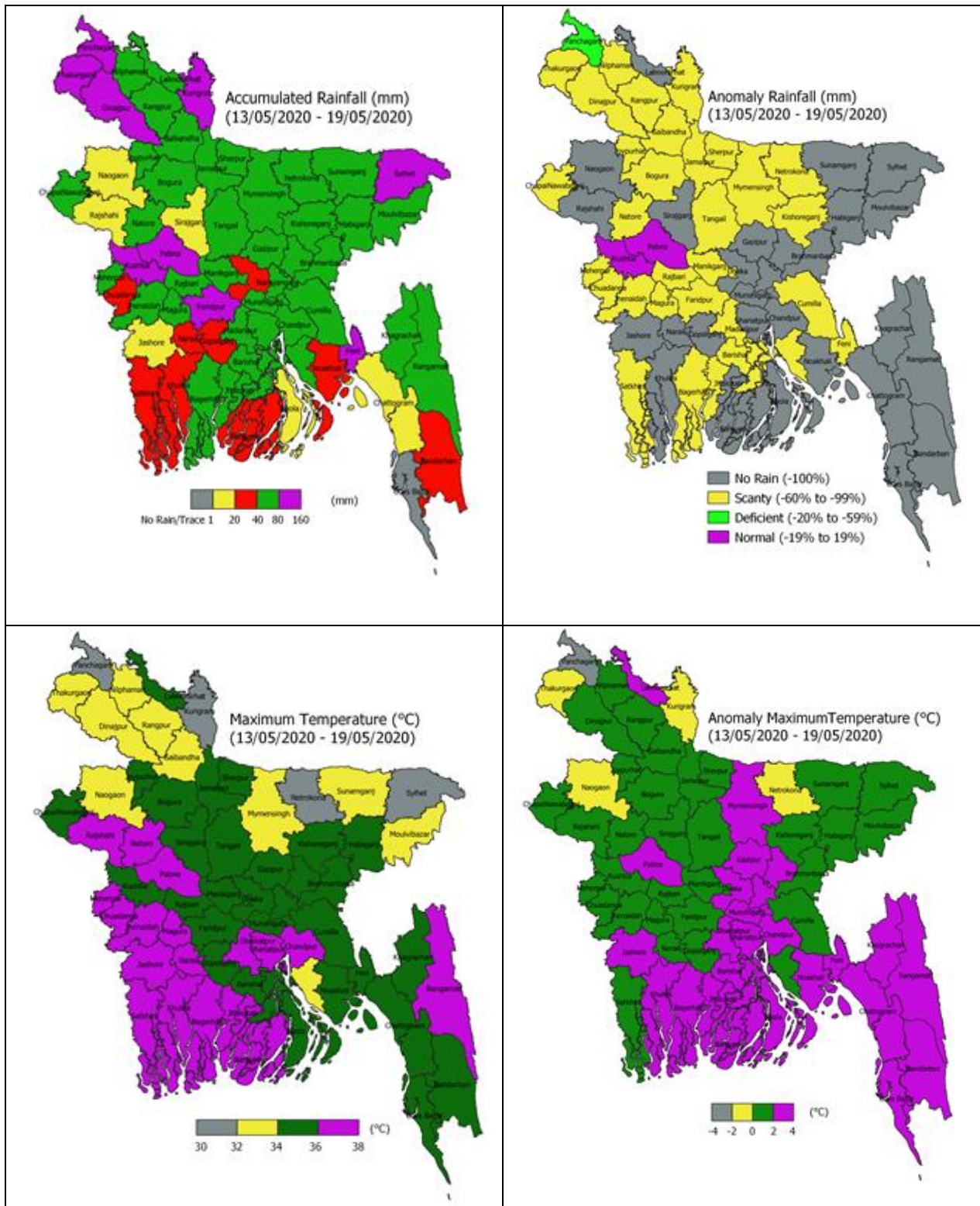
- Country average bright sunshine hour was 5.00 hours per day during last week.
- Country average free water loss during the previous week was 3.50 mm per day.

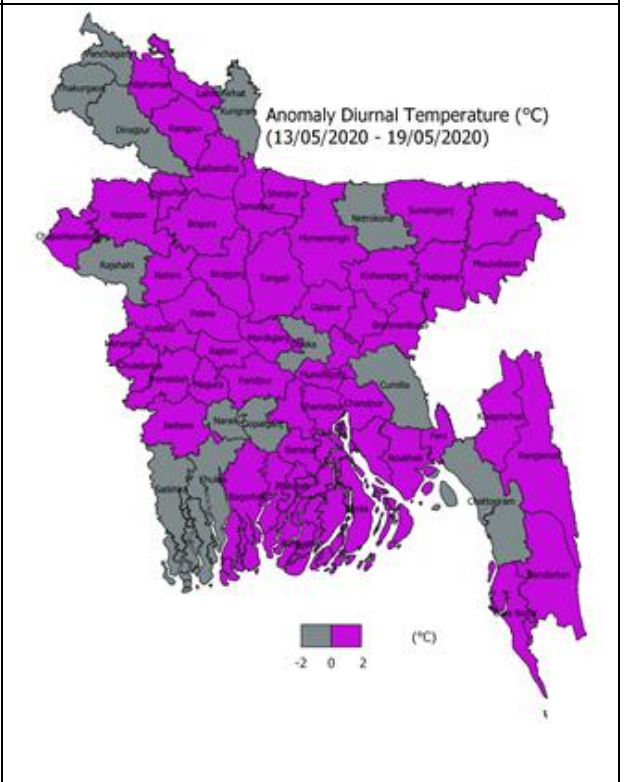
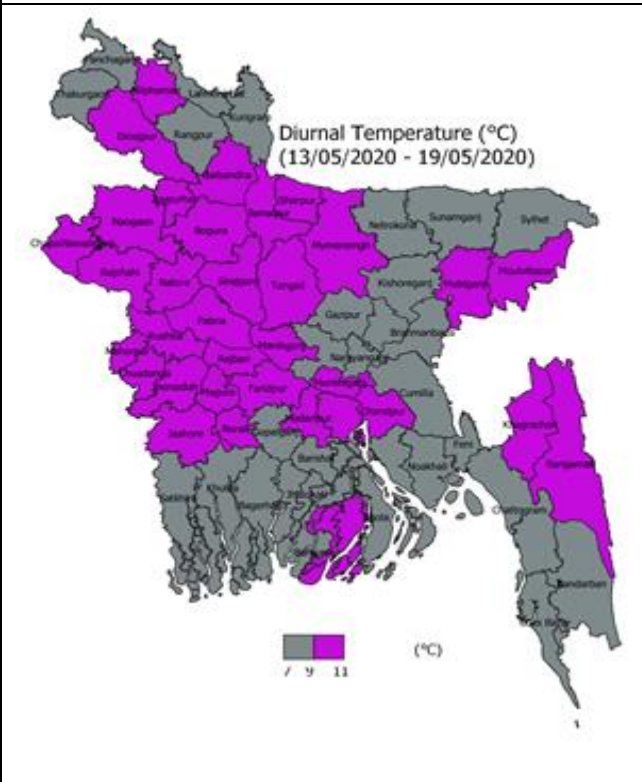
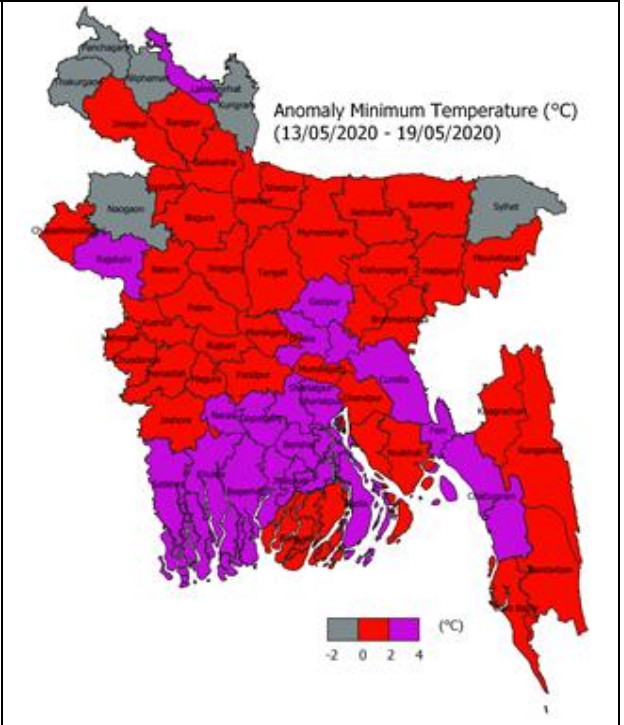
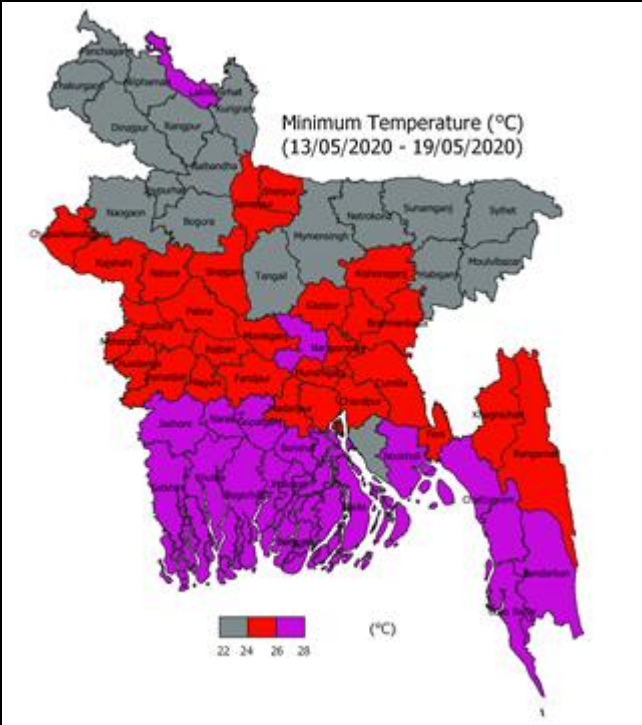
### Weather Forecast Valid for 24 Hours commencing 06 PM Today:

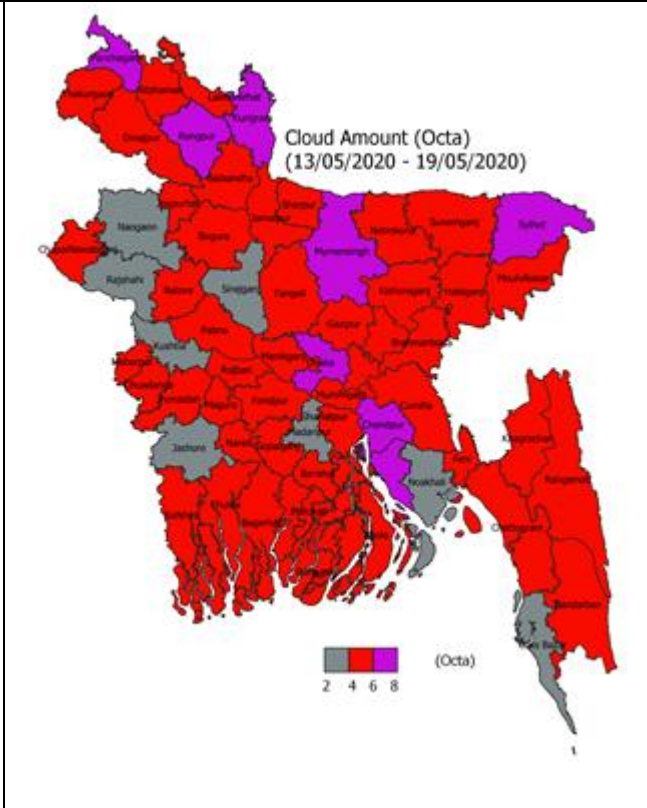
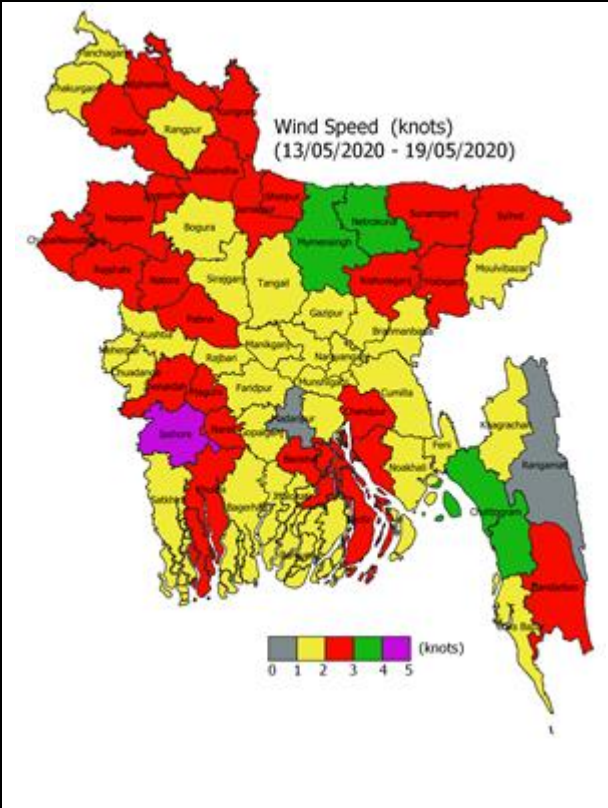
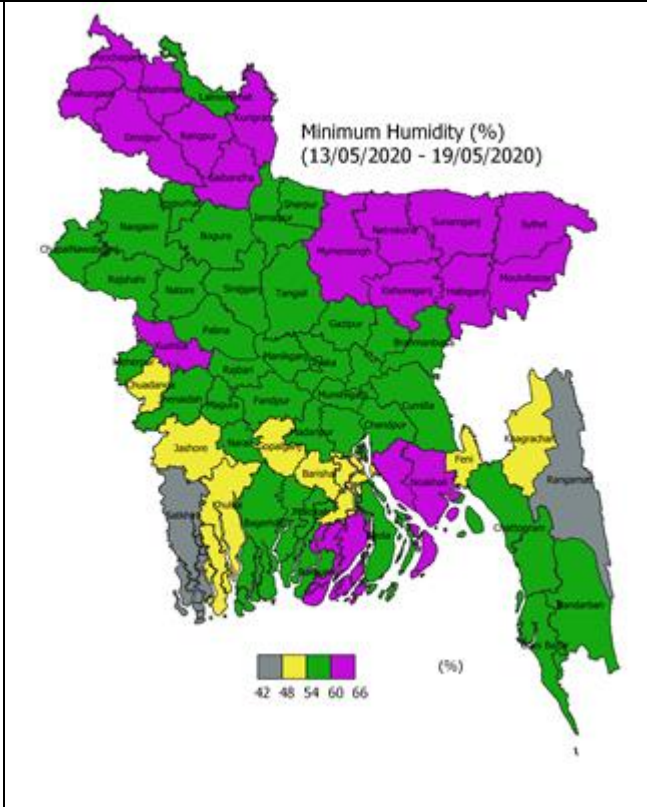
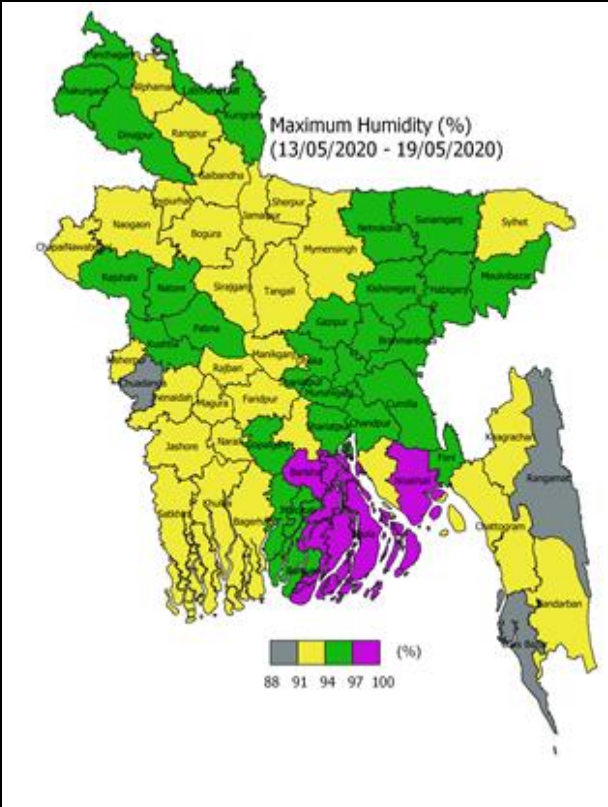
**Forecast:** Rain/thunder showers accompanied by temporary gusty/squally wind is likely to occur at most places over Khulna, Barishal, Chattogram, Rajshahi, Dhaka, Rangpur, Mymensingh & Sylhet divisions with heavy to very heavy falls at places over the country.

**Temperature:** Day and night temperature may fall by (2-3)°C over the country.

### Spatial Distribution of weather parameters for the Week ending 19 May 2020





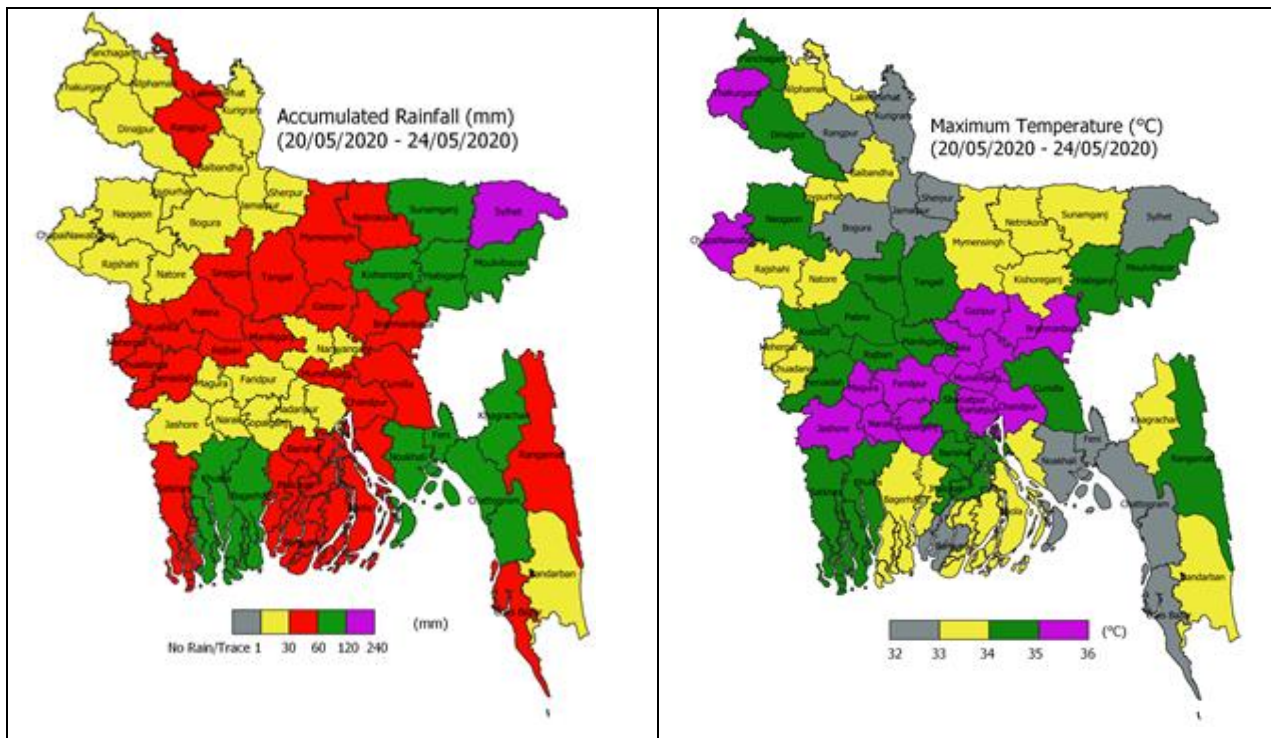


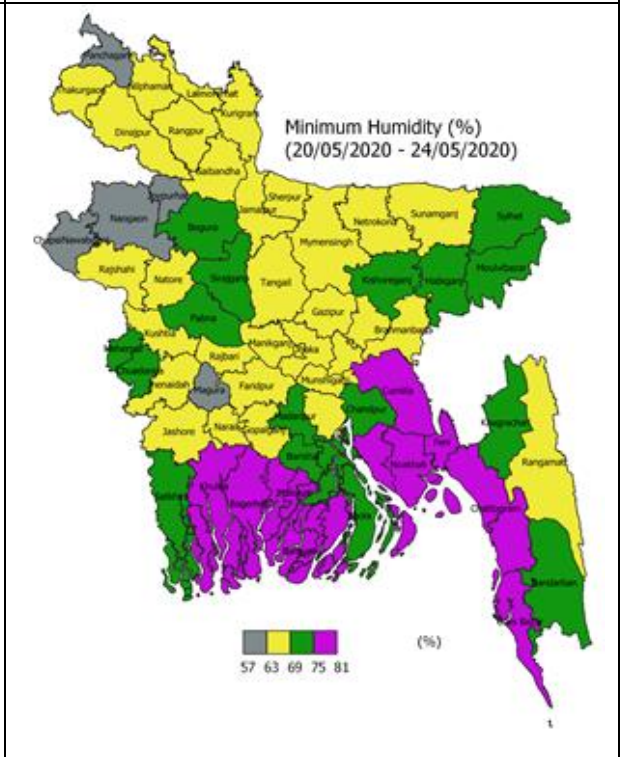
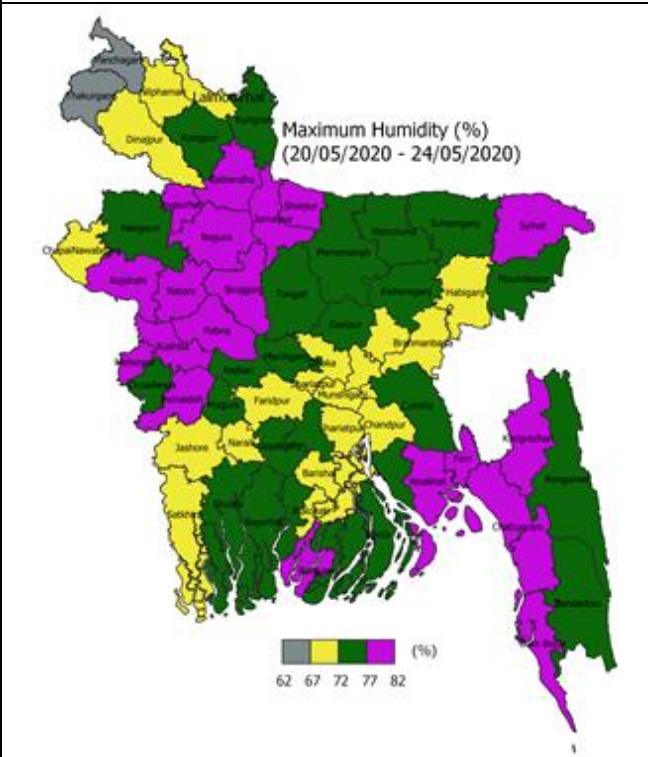
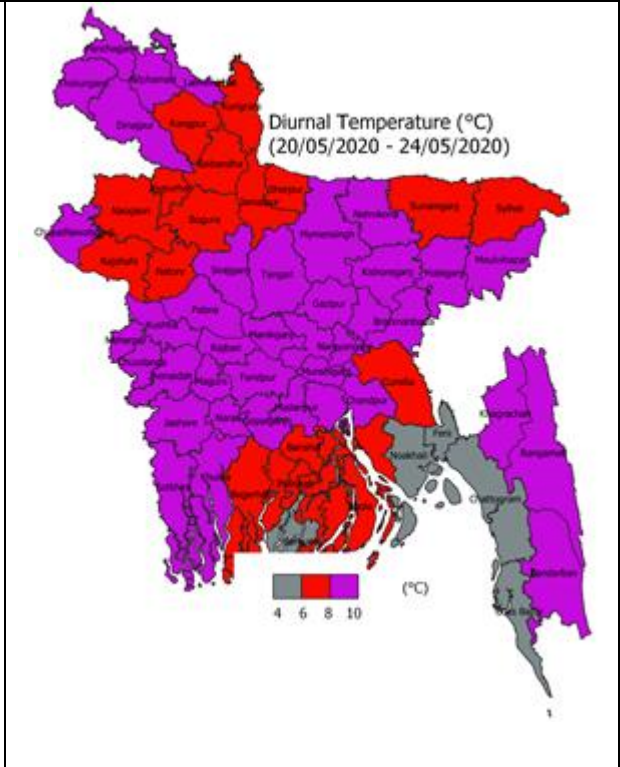
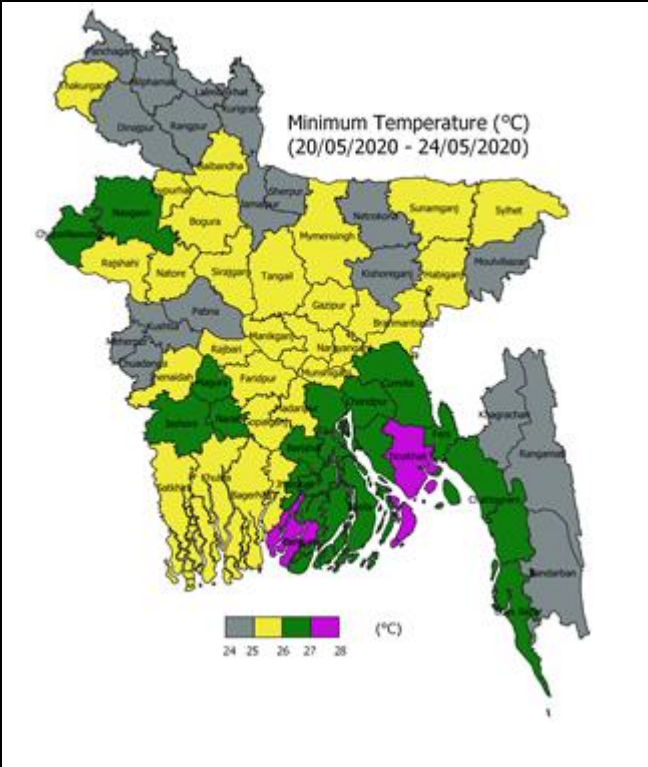
## Weather Forecast and Advisory for the Period of 17.05.2020 to 26.05.2020

Bright sunshine hour is likely to be from 4.50 to 5.50 hours per day during this week. Average free water loss is likely to be from 3.00 to 4.00 mm per day during this week.

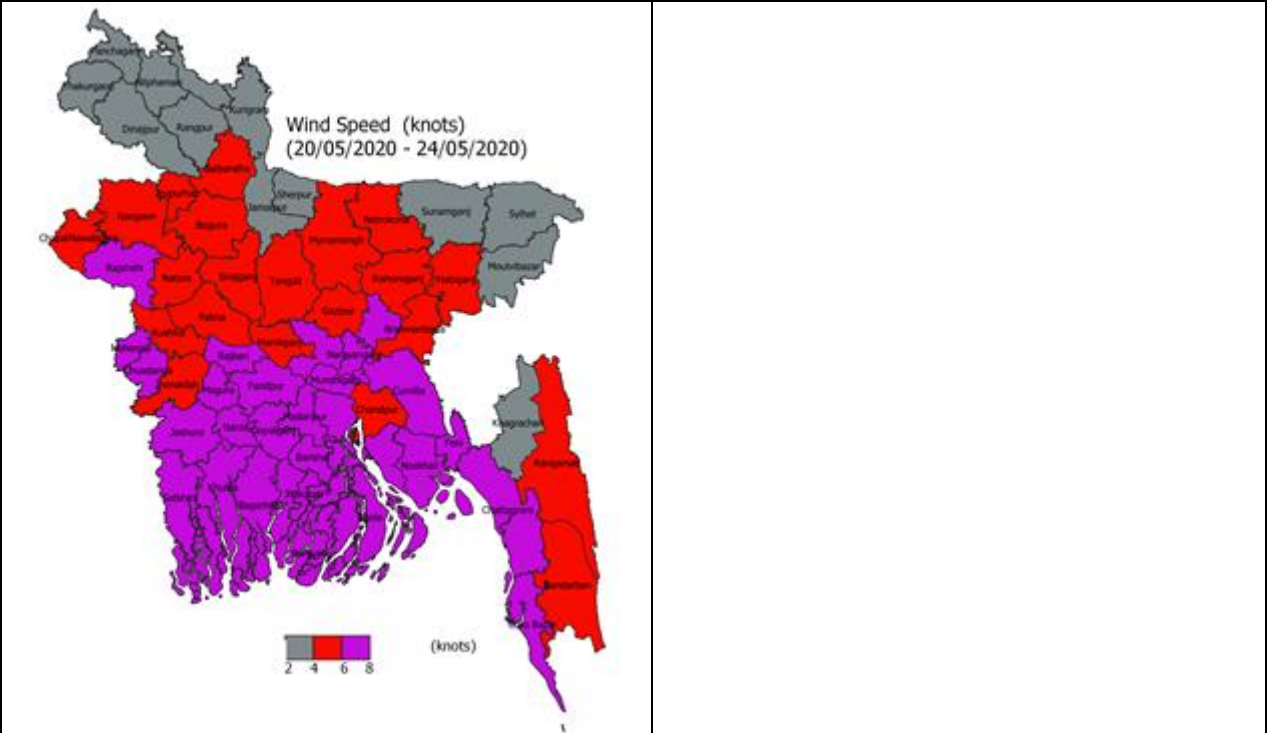
- Light (04-10mm/day) to moderate (11-22 mm/day) rain/thunder showers accompanied by temporary gusty/squally wind is likely to occur at a few places and with chances of moderately heavy (23-43 mm/day) falls at places over the country during the first three days of this period.
- Under the influence of cyclone “AMPHAN” Moderate (11-22mm/day) to moderately heavy (23-43 mm/day) rain/thunder showers accompanied by temporary gusty/squally wind is likely to occur at many places and with chances of heavy (44-88 mm/day) to very heavy (>88 mm/day) falls at places over the country during this period.
- Day and night temperature may remain nearly unchanged over the country during this period.

### District Wise Quantitative Weather Forecast for next Five days from 20 May -24May'2020



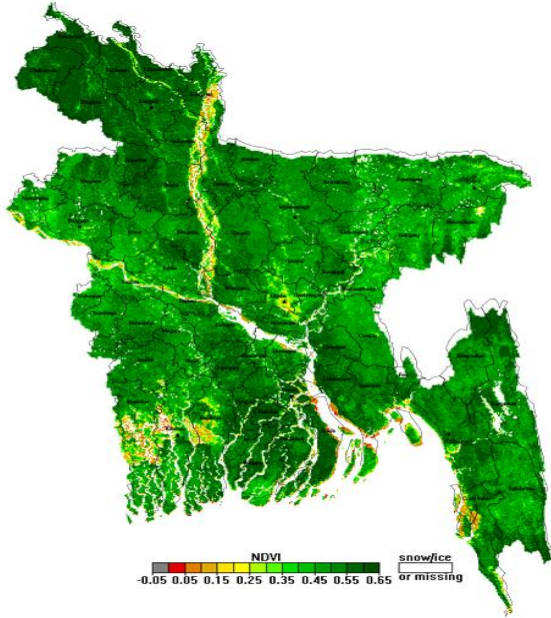




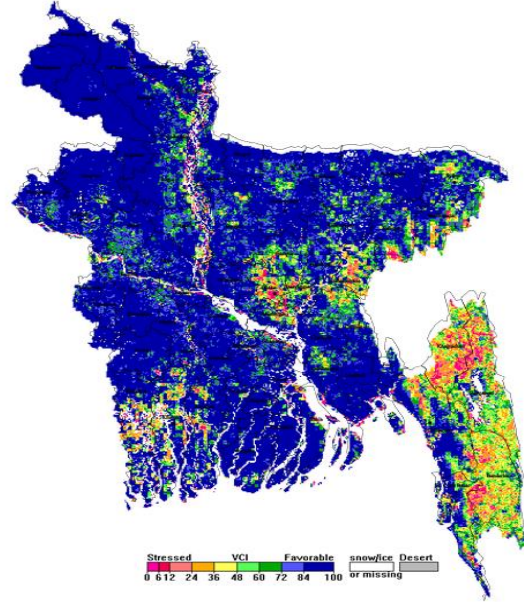


## Different Satellite Products over Bangladesh

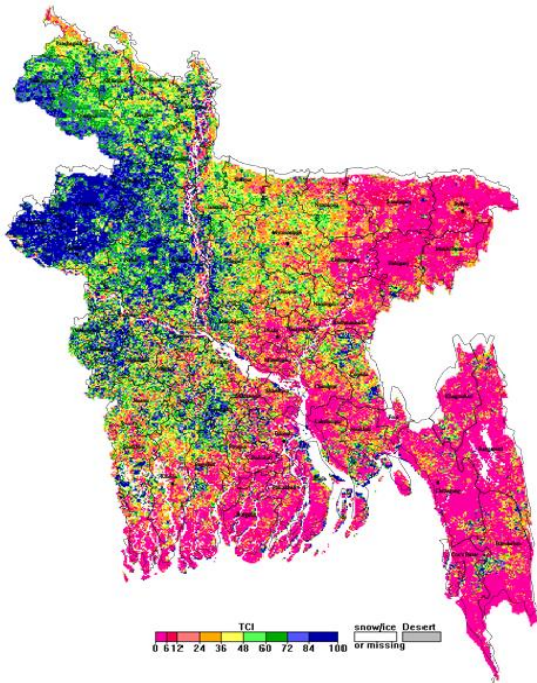
NOAA/VIIRS BLENDED NDVI composite for the week No. 19 (05 May -11 May 2020) over Agricultural regions of Bangladesh



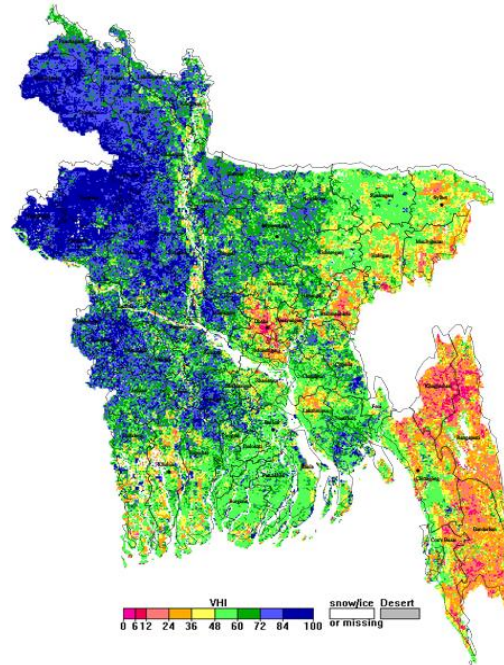
NOAA/ AVHRR BLENDED VCI composite for the week No. 19 (05 May -11 May 2020) over Agricultural regions of Bangladesh



NOAA/ AVHRR BLENDED TCI composite for the week No. 19 (05 May -11 May 2020) over Agricultural regions of Bangladesh

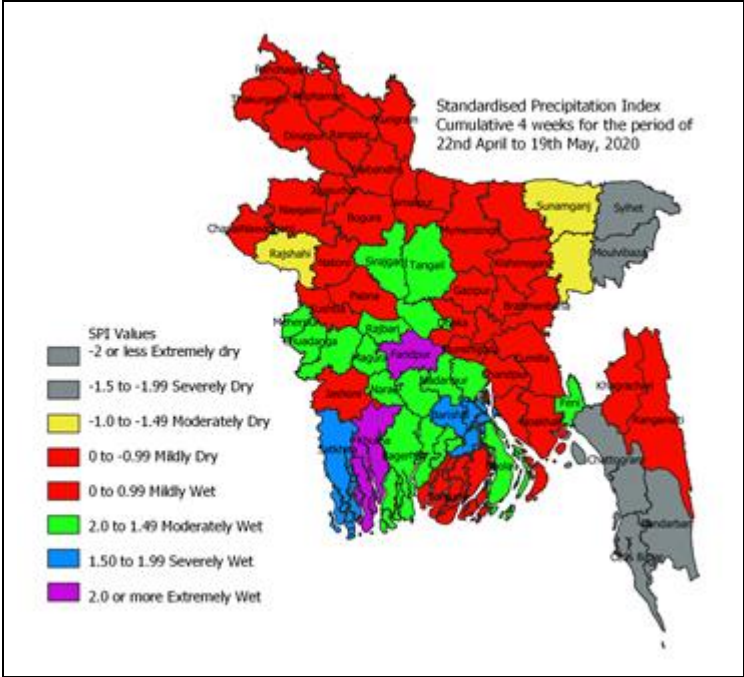


NOAA/ AVHRR BLENDED VHI composite for the week No. 19 (05 May -11 May 2020) over Agricultural regions of Bangladesh



### Monitoring Meteorological Drought in Bangladesh using Standardized Precipitation Index (SPI)

It has been observed that during last four weeks (including May) 2020 extremely wet conditions prevails in districts located in southern and central parts and mild to moderately wet condition prevails in northern parts and extremely dry conditions prevailed some pockets in northeast part and southeast parts of Bangladesh for last four weeks.



Data source: Bangladesh Meteorological Department