



# NATIONAL AGROMETEOROLOGICAL ADVISORY SERVICE BULLETIN

02 March 2022 (WEDNESDAY)  
[FOR THE PERIOD 02.03.2022 – 06.03.2022]



## 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.

## ISSUED BY

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

## **Special Agromet Advisories for CORONA virus (COVID-19) transmission in Bangladesh**

### **Agromet Advisories**

Farmers and all other farm managements are advised to follow the guidelines of Government of Bangladesh to avoid infection and social transmission of CORONA virus (COVID-19). Precautions and safety measures should be taken up to prevent the Carona virus spread. Simple measures include social distancing, maintaining personal hygiene by washing hands with soap, wearing of face mask, drink hot water, stay at home and cleaning of implements and machinery. Farmers should not work in a group; consult with a doctor in case of any symptom. Please stay at home does not visit the field until it is very necessary.

### **Salient Weather Conditions & Forecast**

As per the weather forecast of Bangladesh Meteorological Department (BMD) during next 24 hours' weather may remain dry with temporary partly cloudy sky over the country. Day & night temperature may remain nearly unchanged over the country. As per the outlook issued by BMD for next 72 hours' likely no marked change. During last four days, light to moderate rainfall occurred at a few places over the country and as per the quantitative medium range weather forecast; there is no possibility of rainfall during next five days. Detail Agromet advisory are given below.

#### **Boro Paddy:**

- Maintain the required water level in the land.
- To control blast disease, in the early stages of the disease, apply the approved dose of fungicide Trooper / Nativo / Jill.
- In case of infestation of stem borer, collect and destroy the pile of eggs, use light traps, if the infestation is high, use approved pesticides.
- In case of thrips infestation, apply nitrogen fertilizer on the affected land. In case of high infestation apply 1.12-liter malathion or 1.7 kg carbaryl or 1.12 kg isoproc carb / MIPC per hectare.
- Use light traps to control leaf-rolling insects and perching on the land. Avoid excessive use of urea fertilizer. If 25% of the leaves are damaged, apply one of the approved pesticides of Sevin 85 SP, Darsban 20 EC or Mipsin 75 WP in the correct dosage.

#### **Wheat:**

- Apply first irrigation during three leaf cycle (17-21 days after sowing), second irrigation at heading stage (50-55 days after sowing) and third irrigation at grain formation (75-80 days after sowing).
- In case of infestation of rats in wheat field, control the rats using 2% zinc sulphide bistop.

#### **Potato:**

- In case of infestation of cutworm, look for infected cut potato plant, turn the soil around it, find the worm, collect it and kill it. Insect infestation is high and pheromone traps and insecticides can be used to control insects. In addition, Chlorpyrifos 20 EC at the rate of 5 ml per liter of water should be mixed and sprayed on the roots and soil of the plant.
- Apply irrigation, as per requirement.

### **Mustard:**

- The first irrigation should be given within 20-25 days of sowing (before flowering) and the second irrigation should be given within 50-55 days (during fruit).
- Aphid insects may attack during flowering and fruiting of mustard plants. Only 50 g of neem seeds should be broken and soaked in 1 liter of water for 12 hours. In case of severe infestation, Malathion 57 EC should be mixed in 2 ml per liter of water and sprayed twice in 10 days' interval after 3 pm.

### **Vegetables**

- In case of infestation of eggplant tip and fruit borer insects, cut and destroy the affected tip along with the insects. Insect reproduction can be greatly reduced by using pheromone traps. Only use moderate amounts of specific potent chemical pesticides or locally recommended organic pesticides if absolutely necessary.
- In case of infestation of flies in pumpkin vegetables, use pheromone and bisotop traps together. Pesticides of alpha cypermethrin group can be used.
- In case of powdery mildew in Gourd vegetables, apply hexaconazole or mancozeb.
- In case of infestation of aphid insects in beans and cabbage, apply approved pesticides of Chlorpyrifos group.
- Thrips infestation can be controlled using adhesive white traps (40 per hectare). If the infestation is severe, fipronil or dimethoate can be sprayed at the rate of 10 ml in 10 liters of water.
- Apply light irrigation and pesticides, if necessary.

### **Horticultural crops**

- Fruit orchards need to be inter-cultural operation.
- In case of symptoms of Sigatoka disease on banana leaves, 0.5 ml of Score or 2 g of Noin or Bavistin or 0.1 ml of Econazole / Folico should be mixed in every liter of water and sprayed 2-3 times at intervals of 15-20 days.
- Mango can be attacked by sucking insects (hoppers) and anthracnose at different stages. When the buds attack, the flowers fall off. Soak the leaves, buds and stalks of the tree well once and once a month after flowering for bud control but before flowering, mix Cypermethrin (Ripcord / Simbush / Phenom / Basathrin) 10 EC 1 ml and Tilt 250 EC 0.5 ml per liter of water. Need to spray.
- In order to control coconut spiders, sprouts should be applied to the affected trees by cutting and burning the young coconut. In addition, spider mites should be applied on the young leaves of nearby trees.
- Apply Isoprocarb (MIPC) group pesticide if banana beetle infestation occurs.

- If millibugs attack guava, use approved pesticides. This insect can also be controlled by spraying powdered soap at the rate of 5 grams per liter of water.
- Take necessary action in case of infestation of fruit flies in guava.
- Apply light irrigation and pesticides, if necessary.

**Livestock:**

- In addition to hay, cattle should be given grass, leaf or granular food especially khail and pulses.
- Vaccinate cattle regularly to prevent disease.
- Keep the cow house dry and clean.

**Poultry:**

- Vaccinate poultry to prevent disease.
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**Fishery:**

- Sell big fish from the pond.
- Clean the stalks and weeds of the trees along the pond and provide adequate sunshine to the pond.

## Realized Weather at different locations in the country

**Rainfall for last 24 hours (till 06 AM on 02 March 2022) and maximum temperature on 01 march and minimum temperature on 02 March 2022 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	00	31.1	22.0	Rajshahi	Rajshahi	00	29.5	16.0
	Tangail	00	30.0	16.5		Ishurdi	00	29.0	15.5
	Faridpur	00	30.2	18.8		Bogura	00	30.0	16.8
	Madaripur	00	30.2	16.3		Badalgachhi	00	29.6	15.5
	Gopalganj	00	29.8	17.2		Tarash	00	28.5	17.2
	Nikli	00	29.5	15.1					
Mymensingh	Mymensingh	00	29.4	15.8	Rangpur	Rangpur	00	29.0	16.0
	Netrokona	00	29.4	15.7		Dinajpur	00	29.5	14.0
						Sayedpur	00	29.4	14.2
Chattogram	Chattogram	00	32.7	18.7		Tetulia	00	27.7	13.4
	Sandwip	00	32.0	15.3		Dimla	00	27.6	16.6
	Sitakunda	00	33.0	16.4		Rajarhat	00	28.2	14.5
	Rangamati	00	32.8	13.7	Khulna	Khulna	00	30.6	19.0
	Cumilla	00	31.2	16.6		Mongla	00	30.8	19.3
	Chandpur	00	32.0	18.4		Satkhira	00	29.9	19.7
	M.Court	00	30.5	18.4		Jashore	00	30.6	18.0
	Feni	00	33.0	15.5		Chuadanga	00	29.2	15.9
	Hatiya	00	31.0	17.5	Kumarkhali	00	30.0	16.5	
	Cox's Bazar	00	32.8	19.0	Barishal	Barishal	00	31.0	15.4
Kutubdia	00	32.2	18.0	Patuakhali		00	31.3	18.6	
Teknaf	00	<b>34.2</b>	20.0	Khepupara		00	32.0	17.6	
Sylhet	Sylhet	00	31.5	16.2		Bhola	00	31.4	16.4
	Srimangal	00	30.2	<b>11.2</b>					

### Highlights:

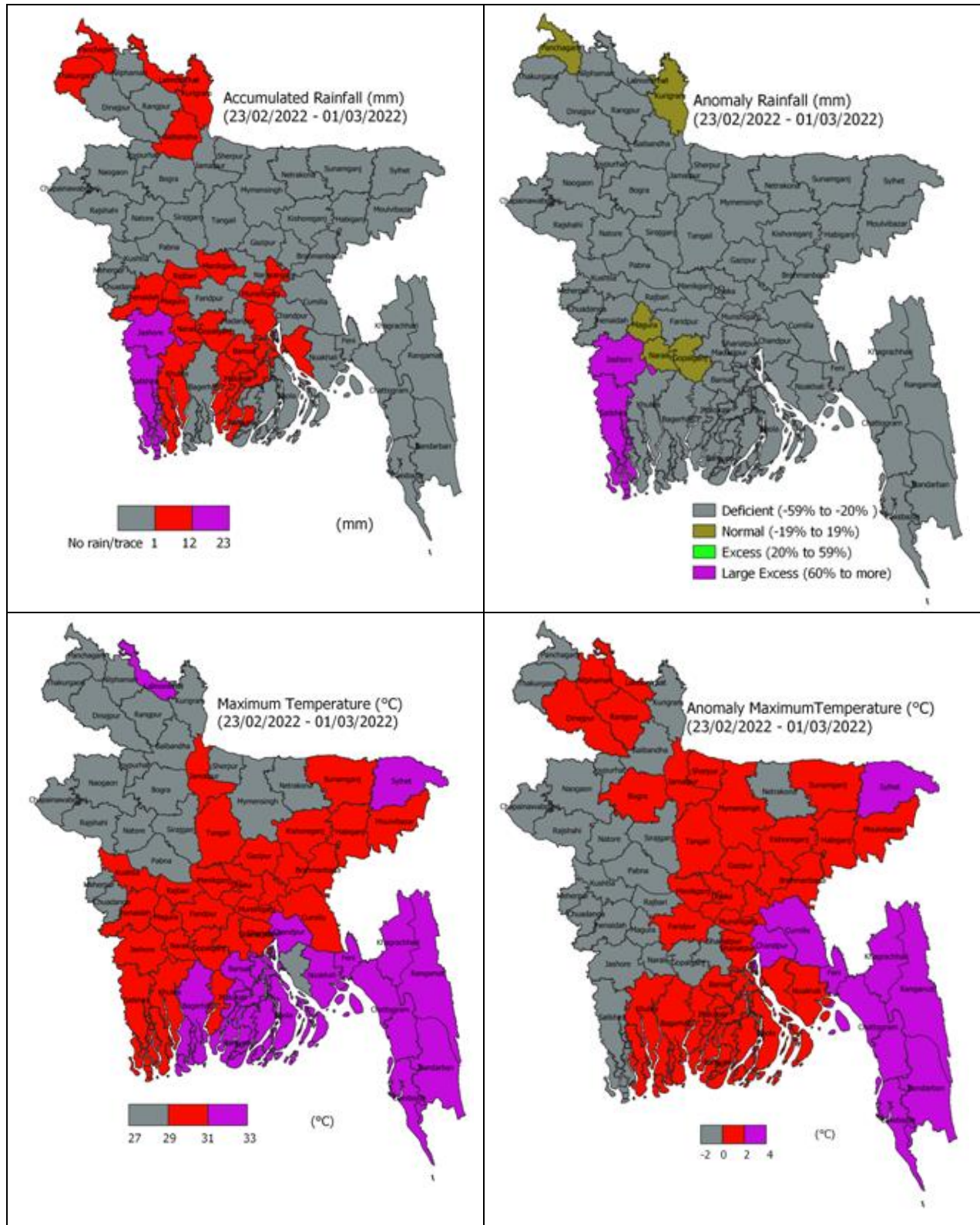
- Country average bright sunshine hour was 7.32 hours per day during last week.
- Country average free water loss during the previous week was 3.21 mm per day.

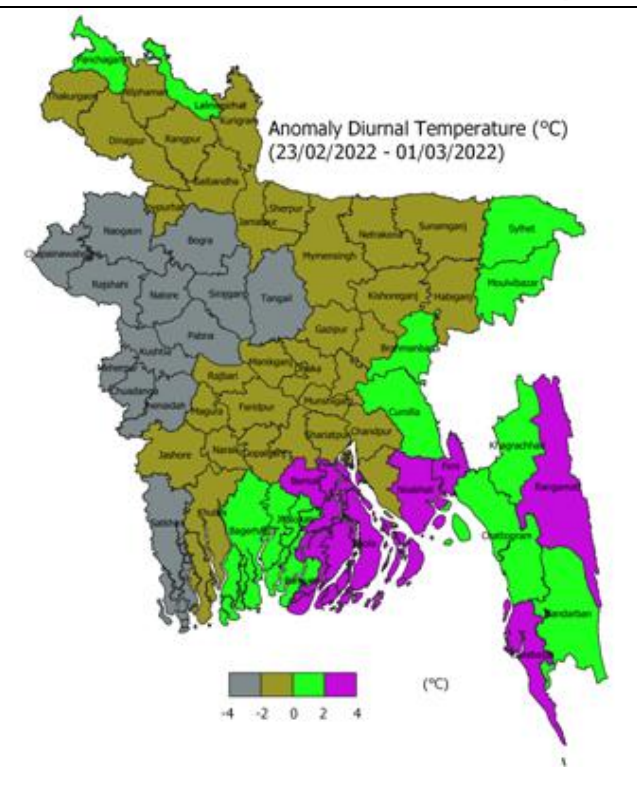
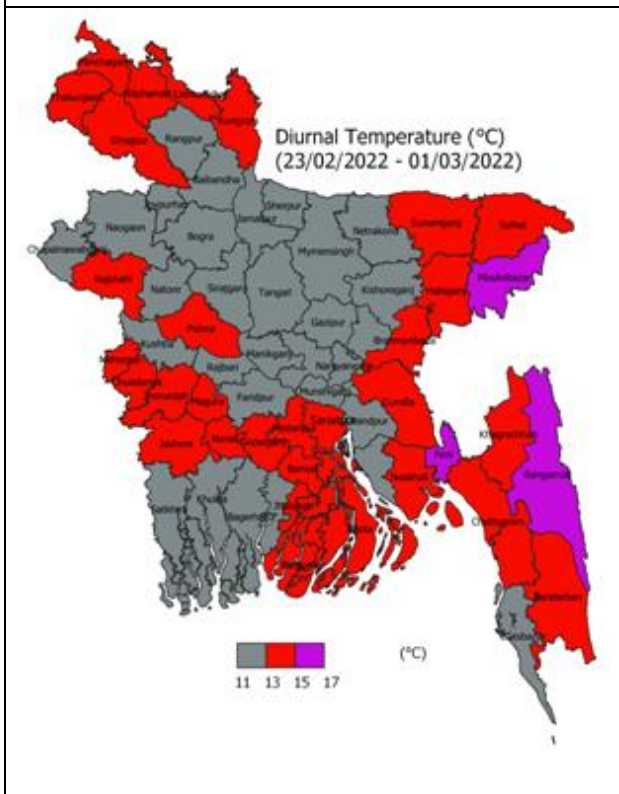
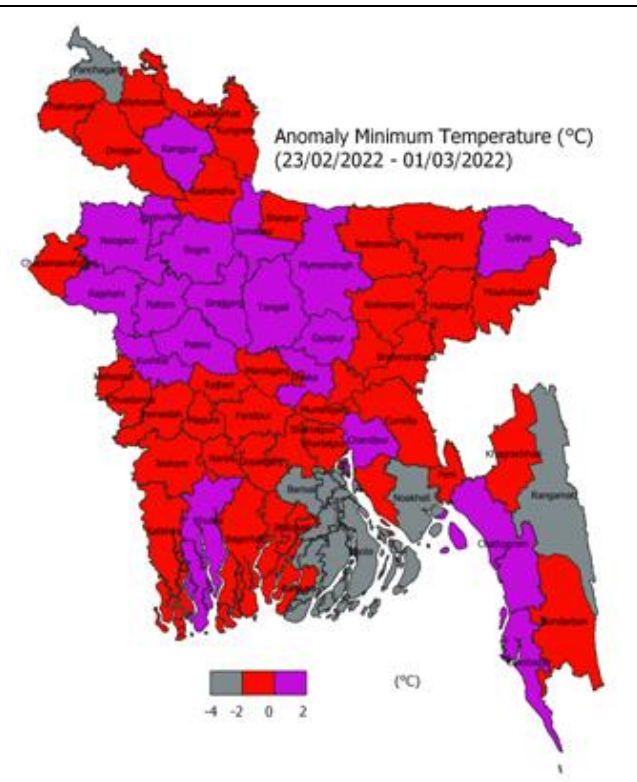
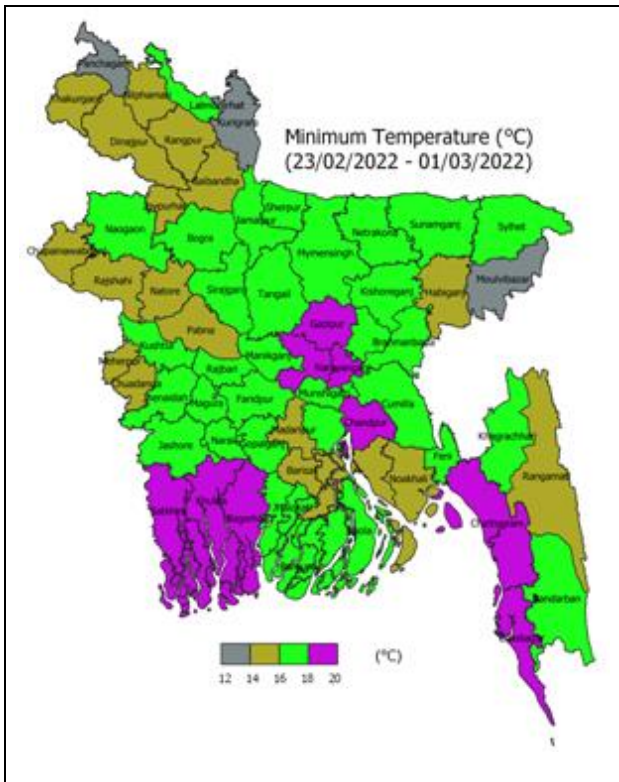
### Weather Forecast Valid for 24 Hours commencing 06 PM Today:

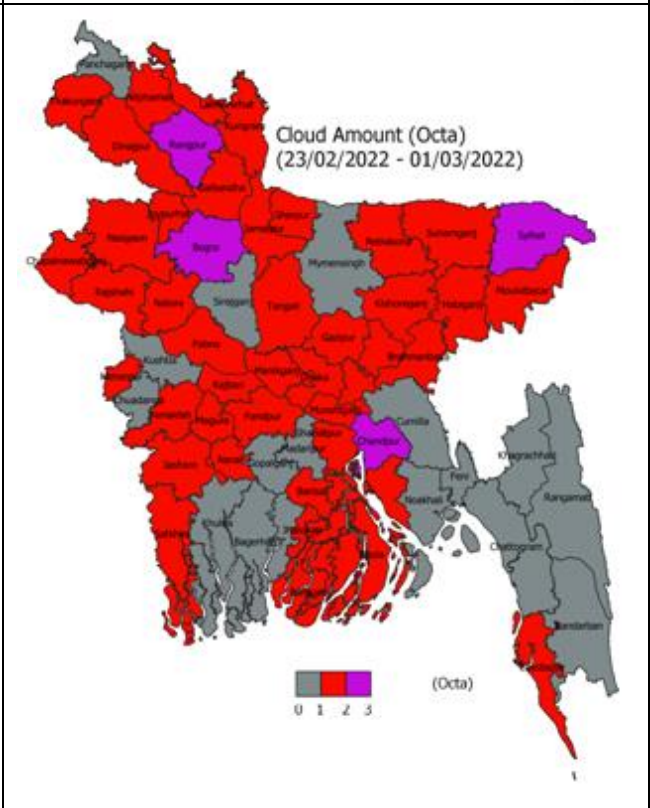
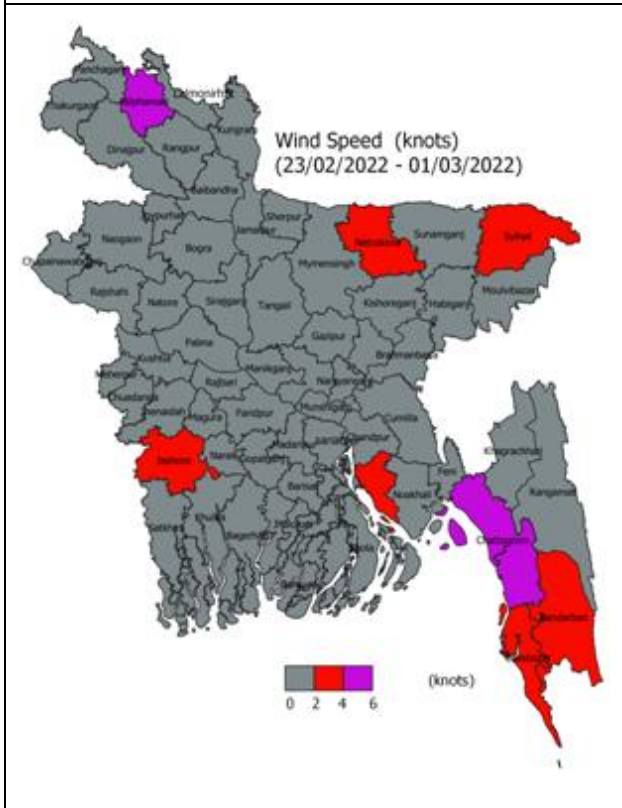
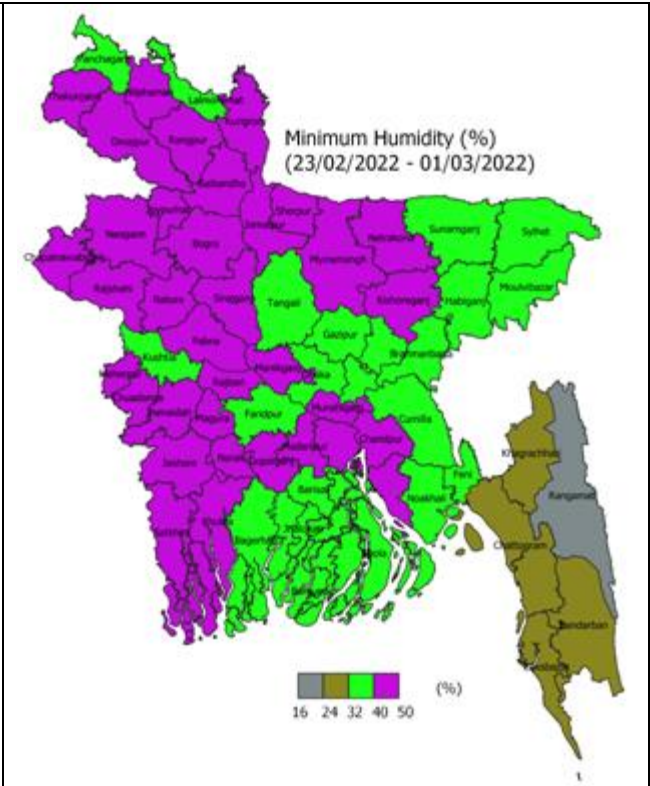
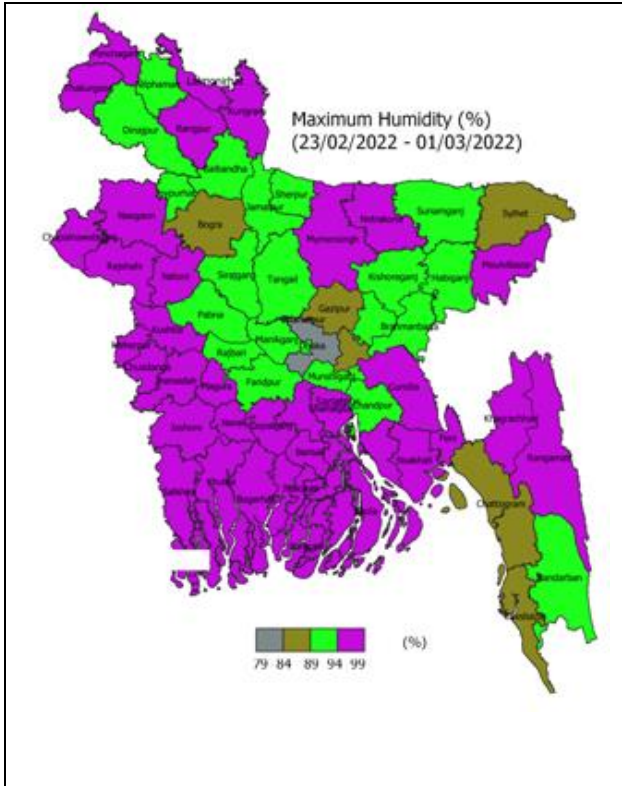
**Forecast:** Weather may remain dry with temporary partly cloudy sky over the country.

**Temperature:** Day & night temperature may remain nearly unchanged over the country.

## Spatial Distribution of weather parameters for the Week ending 01 March 2022





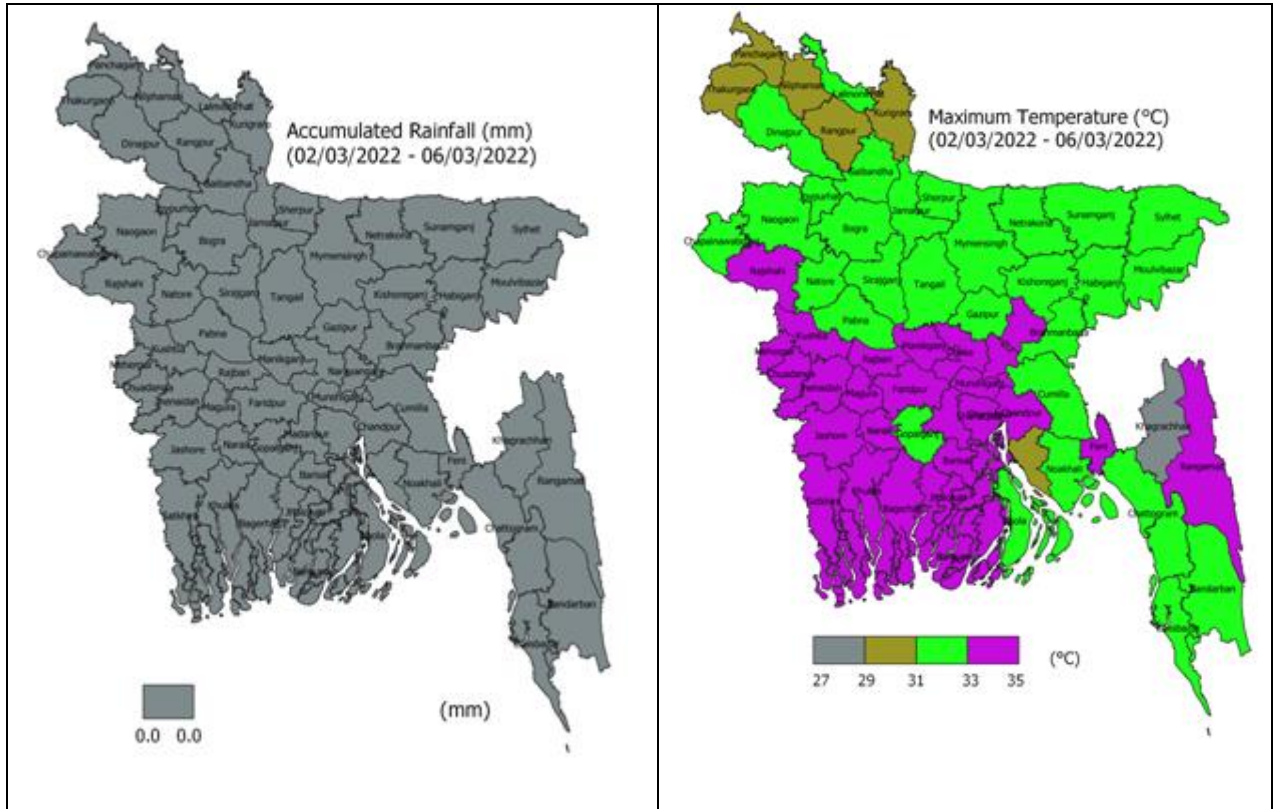


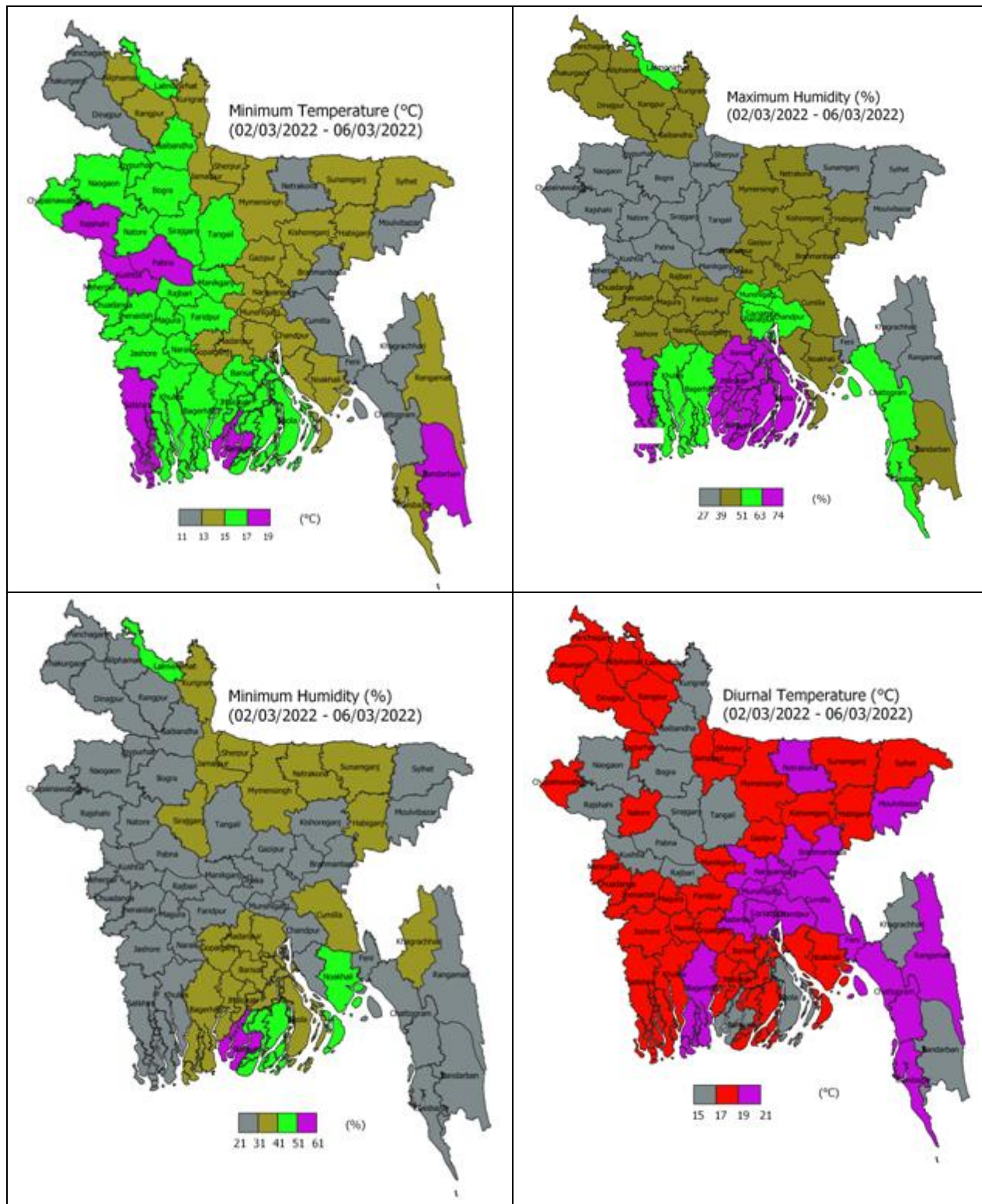
**Weather Forecast and Advisory for the Period of 01.03.2022 to 07.03.2022**

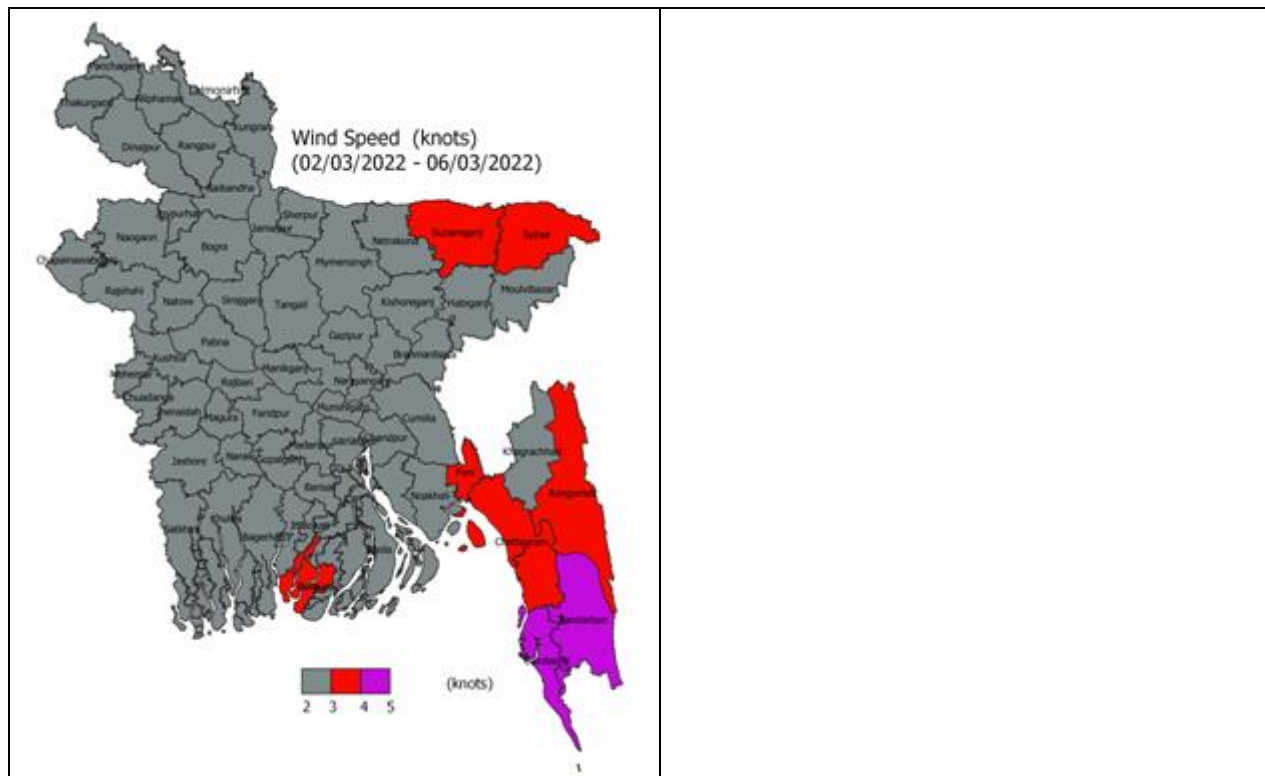
Bright sunshine hour is likely to be from 7.25 to 8.25 hours per day during this week. Average free water loss is likely to be from 3.00 to 4.00 mm per day during this week.

- Weather may remain mainly dry with temporary partly cloudy sky over the country having chances of Light (04-10 mm/day) rain at one or two places over south-western region of the country during the period.
- Light fog may occur at places over northern and western parts of the country during morning.
- Day temperature may rise by 1-2°C and night temperature may rise slightly over the country during the period.

**District Wise Quantitative Weather Forecast for next Five days from 02 March-06 March 2022**

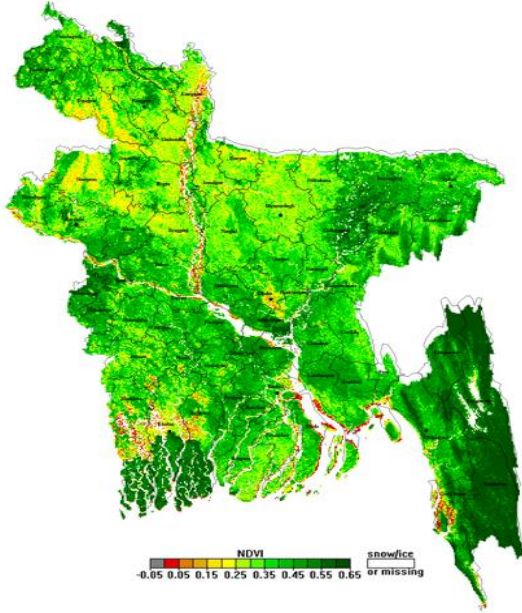




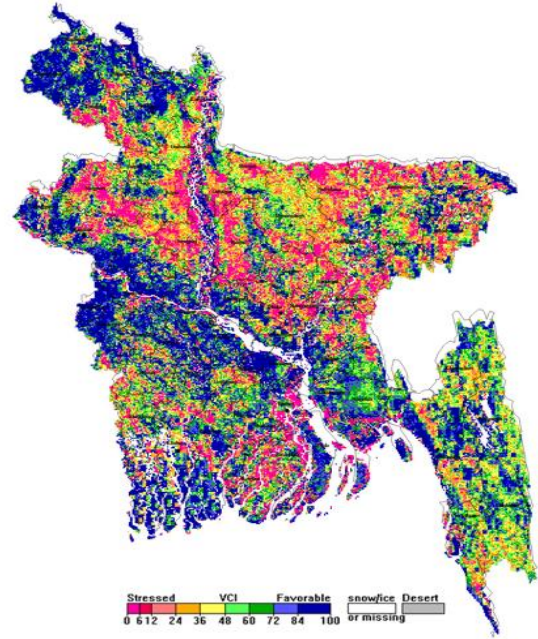


## Different Satellite Products over Bangladesh

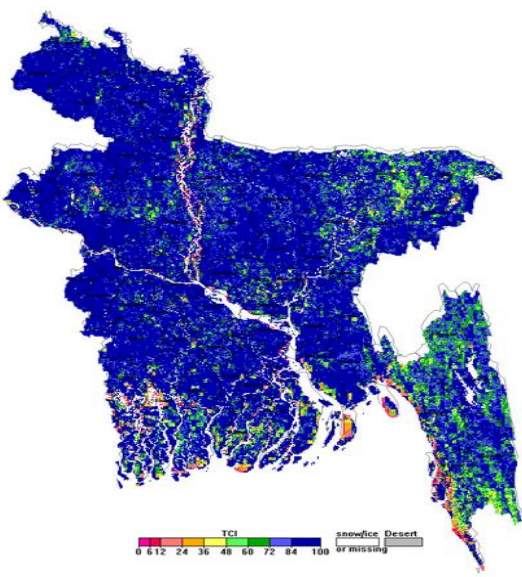
NOAA/VIIRS BLENDED NDVI composite for the week. No. 8 (19 February-25 February) over Agricultural regions of Bangladesh



NOAA/ AVHRR BLENDED VCI composite for the week No. 8 (19 February-25 February) over Agricultural regions of Bangladesh



NOAA/ AVHRR BLENDED TCI composite for the week No. 8 (19 February-25 February) over Agricultural regions of Bangladesh



NOAA/ AVHRR BLENDED VHI composite for the week No. 8 (19 February-25 February) over Agricultural regions of Bangladesh

