



# NATIONAL AGROMETEOROLOGICAL ADVISORY SERVICE BULLETIN

17 November 2021 (WEDNESDAY)  
[FOR THE PERIOD 17.11.2021 – 21.11.2021]



## 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

## **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. Night temperature may fall slightly and day temperature may rise slightly over the country. During last four days, light to moderately heavy rainfall occurs of the country and as per the quantitative medium range weather forecast most of the district is likely no rainfall in the next five days. Detail Agromet advisory are given below:

#### **Aman**

- Maintain the required water level in the land.
- In case of infestation of stem borer insects, apply 180-190 gm of Cartap group or 10 gm of Thiamethoxam + Chlorantraniliprol group of pesticides per bigha for control.
- In order to control Sheath Blight Disease, potash fertilizer should be divided into two equal installments, one part should be applied in the final cultivation of land preparation and the other part should be applied in combination with the last installment of urea fertilizer. Follow irrigation management in wet and dry manner periodically. Use fungicides in approved doses to successfully control the disease.
- In case of bacterial blight, in the early stages of the disease, mix 60 gm MOP, 60 gm thiovit in 10 liters of water and apply on 5 decimal of the land. If the disease occurs before the heading stage, 5 kg of potash fertilizer should be applied per bigha.
- In case of infestation of leaf-wrapping insects, apply 180-190 gm of Cartap group or 10 gm of Thiamethoxam + Chlorantraniliprole group of pesticides per bigha for control.
- Dew or drizzle rain is conducive to blast disease. In this type of weather, once in a while and 5-6 days after the emergence of heading, apply 54 gm of Trooper 75 WP / Difa 75 WP / Jill 75 WP or 33 gm of Nativo 75 WG or Tricyclazol / Strabin only per bigha of land. Mix well in liter of water and spray in the last afternoon.
- Rice Bug insect infestation may occur at the grain formation stage. Apply Carbaryl or Isoprocarb / MIPC group pesticides in approved doses if one Rice Bug insect is found in 2-3 bunches on an average.
- Use light traps to control insects.
- Drain out water from the paddy field 15 days before harvesting

- If the crop is 80% mature, collect it in a sunny day.
- Apply pesticides.

#### **Wheat:**

- Continue sowing wheat from 15th to 30th November.

#### **Potato:**

- November is the best time to plant potatoes. Continue planting potatoes in the current weather conditions. If there is no necessary moisture in the soil after sowing, provide irrigation as required.

#### **Maize:**

- Continue sowing the seeds. Apply first irrigation within 15-20 days of sowing, second irrigation within 30-35 days, third irrigation within 60-70 days and fourth irrigation within 85-89 days.

#### **Sugarcane**

- Sugarcane stems can be attacked by red rot disease. Infected trees should be removed from the land along with bushes as soon as the disease is seen. Water should be removed from the sugarcane field very quickly.
- To control the Sugarcane Stem Borer, remove the soil from the base of the sugarcane with a spade. Drain out accumulated water from the land. Old dried leaves should be removed from the trees, collected and burnt or buried under the ground. Egg parasitic hornet *Trichogramma Chilonis* should be released in the affected land at the rate of one gram per hectare per week (approximately 50,000). Apply Virtako 40 WG (Thiamethoxam + Chlorantraniliprole) to the infested sugarcane bush in the approved dose for control of stem borer insects with pesticides or Cartop granular pesticides such as Nokotap 6G cut the shallow drains on both sides of the sugarcane row and sprinkle in the drains then cover with soil or sprinkle at the base of the tree.
- Apply light irrigation and pesticides.

#### **Vegetables**

- Now is a suitable time to cultivate winter vegetables. Take necessary care after planting the seedlings.
- In case of infestation of bean aphid, collect the affected leaves, tips, flowers, fruits and insects by hand and kill them. If the level of infestation is high, spray Ebamactin (1%) + Acetamiprid (3%) group pesticide at the rate of 0.5 ml per liter of water in the last afternoon.
- 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 *eggplant* tip and fruit borer insects, cut and destroy the affected tip along with the insects. Insect reproduction is likely to be greatly reduced by using pheromone traps. Use spray of approval dose of insecticides, if necessary or recommended local organic insecticides may be used.
- If the spiders attack the chilly, soak 1 kg half-broken neem seeds in 20 liters of water for 24 hours and spray the water (after chopping) on the underside of the leaves. If the infestation is severe, spray the spider mite Omit 57 EC at the rate of 2.0 ml per liter of water or Vertimek 1.8 EC at the rate of 12 ml per 10 liters of water.
- Apply light irrigation and pesticides.

### **Horticultural crops**

- In case of spider infestation on the coconut tree, all the young caconut of the affected tree should be cut down and burnt. Infected trees and nearby young trees should be sprayed with any spider repellent such as Omite 57 EC mixed in 1.5 ml of one liter of water.
- 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.
- Apply Isoprocarb (MIPC) group pesticide if banana beetle infestation occurs.
- In case of infestation of milli bugs on papaya trees, the infected leaves / stems including insects should be collected and destroyed at the beginning of the attack. If the infestation is severe, mix 5 gms of soapy water or Admire 200 ml at the rate of 0.25 ml per liter of water and spray 2-3 times in 15 days.
- Apply light irrigation and pesticides.

### **Livestock:**

- Cattle should be fed with hay, raw grass and hand-made granular feed.
- Vaccinate cattle regularly to prevent disease.
- Sprinkle potassium permanganate solution to remove odors around.

### **Poultry:**

- Vaccinate chickens regularly to prevent disease.  
Sprinkle potassium permanganate solution to remove odors around.

### **Fishery**

- Prepare the pond for the next season by collecting the fish to be collected at the present time.
- Apply 200-250 grams of lime per decimal to clean the water of ponds where fish cannot be extracted.

## Realized Weather at different locations in the country

Rainfall for last 24 hours (till 06 AM on 17 November 2021) and maximum temperature on 16 November and minimum temperature on 17 November 2021 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	29.5	18.5	Rajshahi	Rajshahi	00	29.0	15.5
	Tangail	00	29.5	14.8		Ishurdi	00	28.5	15.7
	Faridpur	00	28.7	16.8		Bogura	00	29.6	17.4
	Madaripur	00	28.5	17.0		Badalgachhi	00	29.2	14.5
	Gopalganj	00	29.0	15.7		Tarash	00	29.5	16.8
	Nikli	00	29.0	18.0					
Mymensingh	Mymensingh	00	30.0	16.6	Rangpur	Rangpur	00	29.2	18.0
	Netrokona	00	30.2	16.6		Dinajpur	00	29.0	15.3
						Sayedpur	00	29.8	15.9
Chattogram	Chattogram	00	30.6	23.4		Tetulia	00	30.0	<b>14.1</b>
	Sandwip	00	29.1	19.6		Dimla	00	29.2	16.0
	Sitakunda	00	30.0	20.5		Rajarhat	00	28.5	16.0
	Rangamati	00	29.3	22.0	Khulna	Khulna	00	29.4	17.5
	Cumilla	Trace	28.6	18.2		Mongla	00	28.5	18.4
	Chandpur	00	29.5	19.0		Satkhira	00	28.4	18.5
	M.Court	00	27.6	19.8		Jashore	00	29.2	15.4
	Feni	00	27.5	18.2		Chuadanga	00	27.5	16.0
	Hatiya	00	28.0	21.5	Kumarkhali	00	31.0	16.5	
	Cox's Bazar	00	31.8	24.3	Barishal	Barishal	00	29.2	16.4
Kutubdia	00	30.5	23.5	Patuakhali		Trace	28.0	18.4	
Teknaf	xx	<b>32.6</b>	xx	Khepupara		00	28.5	19.0	
Sylhet	Sylhet	00	31.0	18.6		Bhola	00	29.0	22.5
	Srimangal	00	30.2	16.6					

### Highlights:

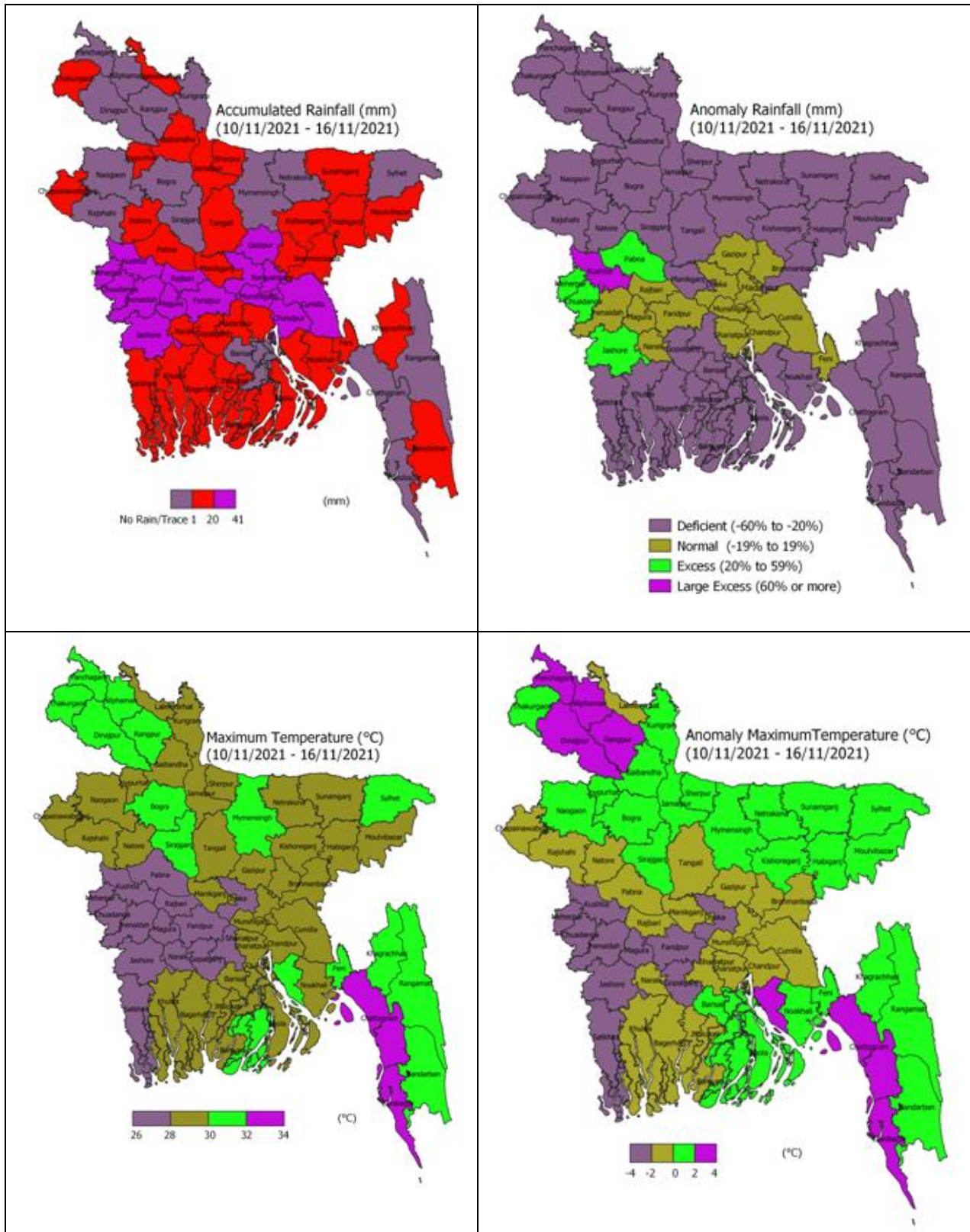
- Country average bright sunshine hour was 6.31 hours per day during last week.
- Country average free water loss during the previous week was 3.05 mm per day.

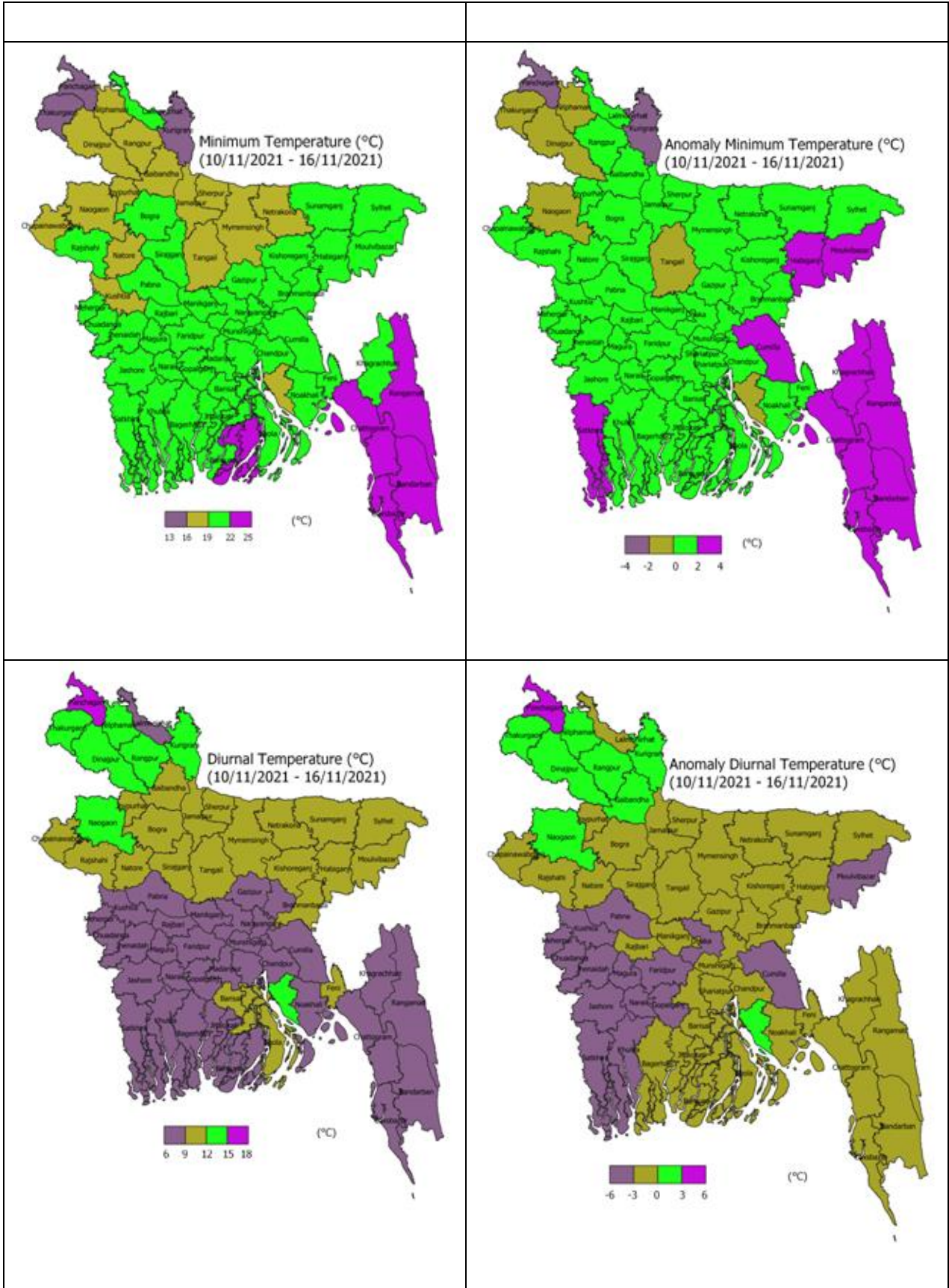
### Weather Forecast Valid for 24 Hours commencing 06 PM Today:

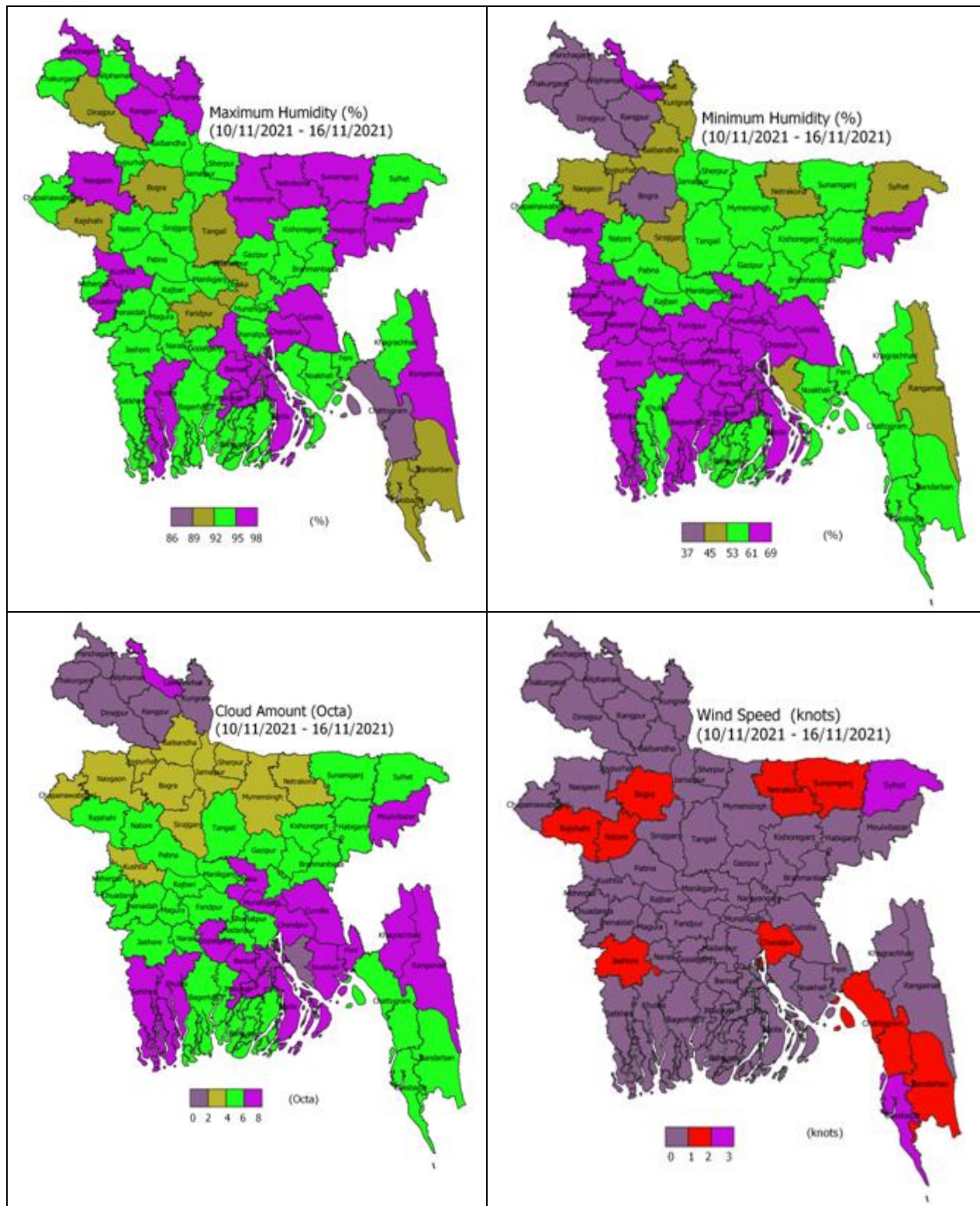
**Forecast:** Weather may remain dry with temporary partly cloudy sky over the country.

**Temperature:** Night temperature may fall slightly and day temperature may rise slightly over the country.

Spatial Distribution of weather parameters for the Week ending 16 November 2021







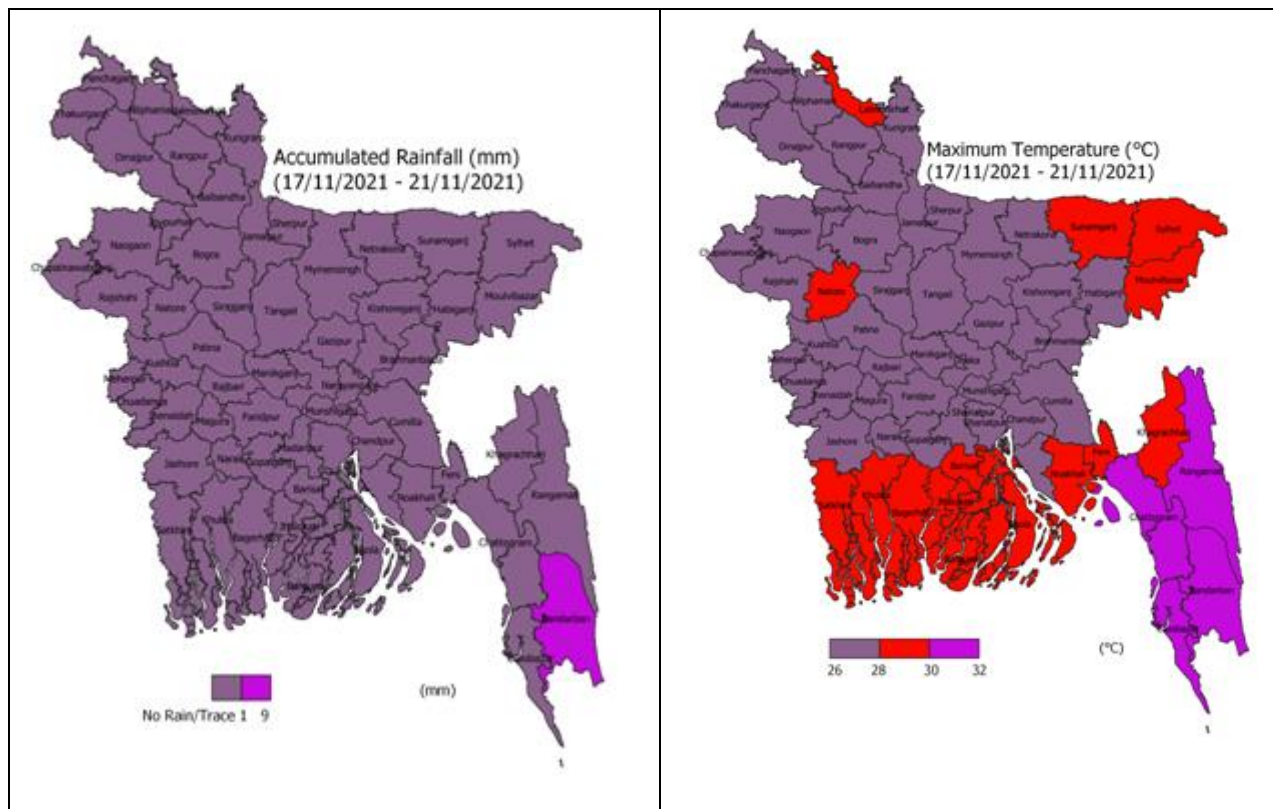


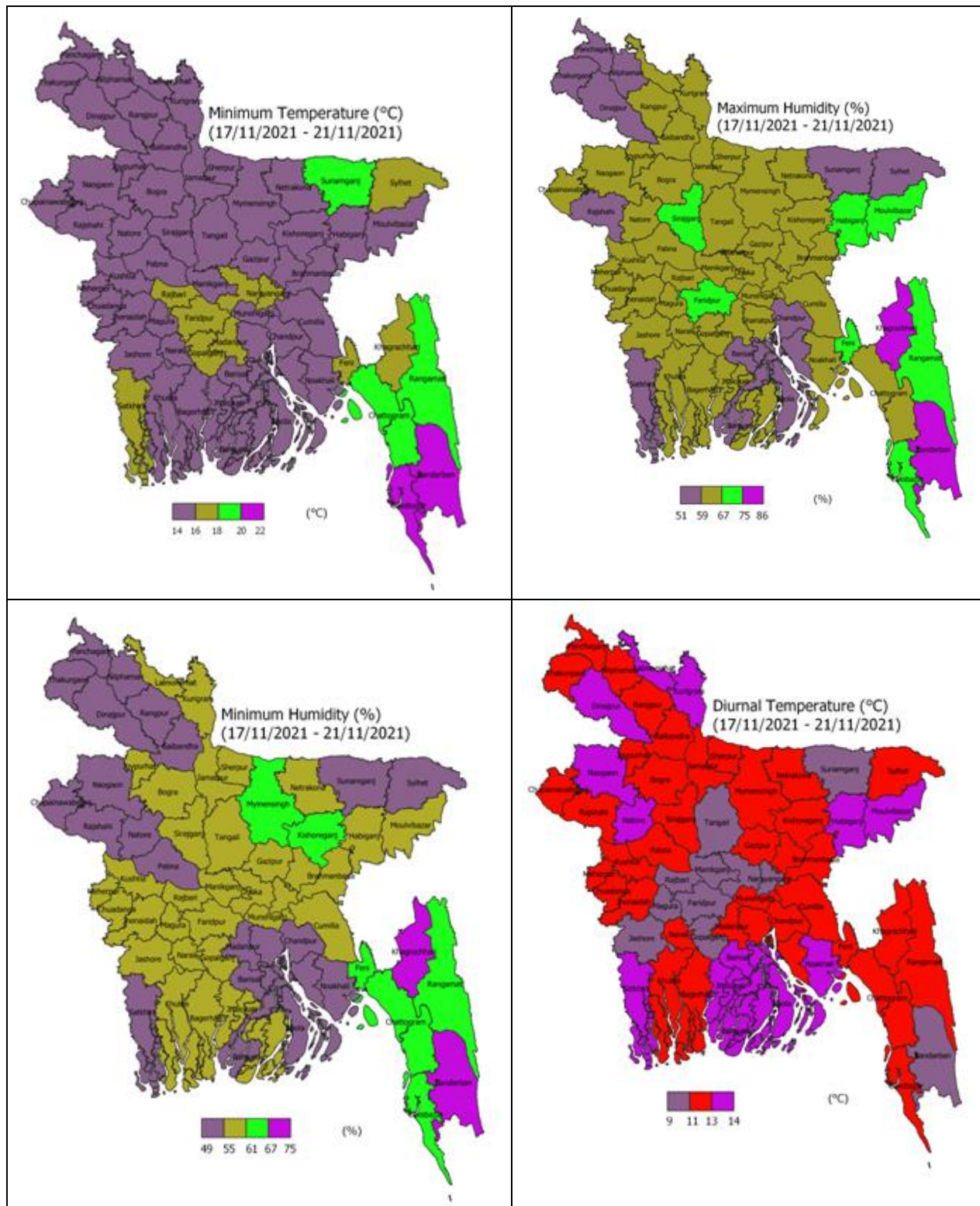
### Weather Forecast and Advisory for the Period of 15.11.2021 to 21.11.2021

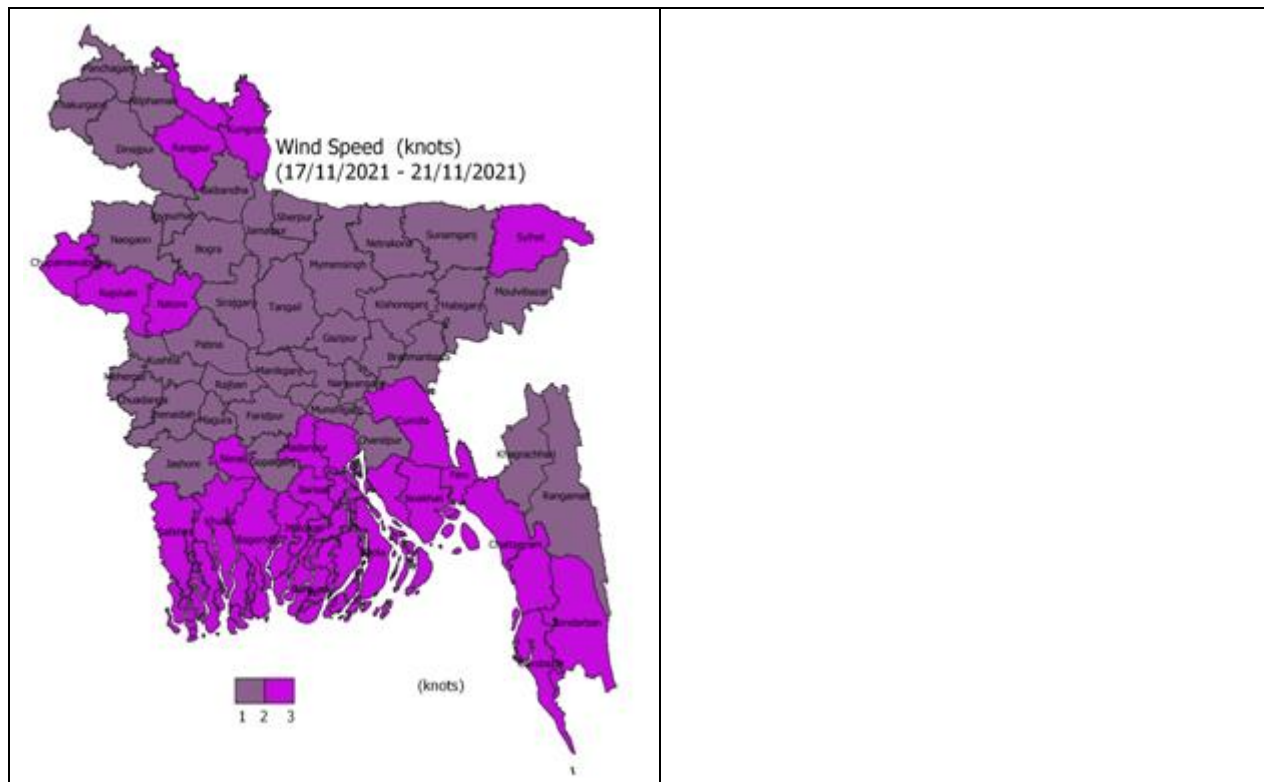
Bright sunshine hour is likely to be from 5.75 to 6.50 hours per day during this week. Average free water loss is likely to be from 3.25 to 4.25 mm per day during this week.

- In this time during first half Temporary partly cloudy sky over the country during this time and light rain (04-10 mm/d)/drizzle may occur at one or two places over Khulna, Barishal, chattogram, Dhaka, Sylhet and Rajshahi divisions and weather may remain mainly dry elsewhere.
- In this time during the second half and light /drizzle rain may occur at one or two places over Khulna, Rajshahi, Mymensingh, Dhaka, Barishal and chattogram, divisions and weather may remain mainly dry elsewhere.
- All whole country day temperature may remain nearly unchanged during this time and night temperature slightly decreases.

### **District Wise Quantitative Weather Forecast for next Five days from 17 Nov.-21 November 2021**

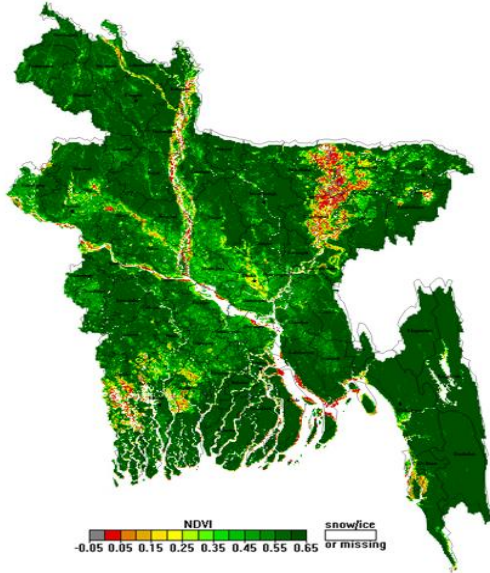




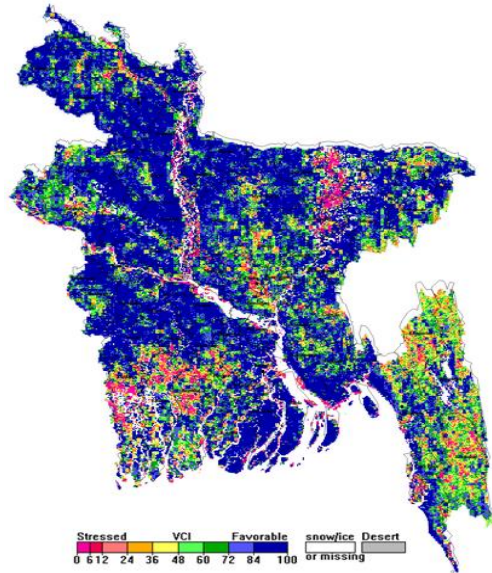


## Different Satellite Products over Bangladesh

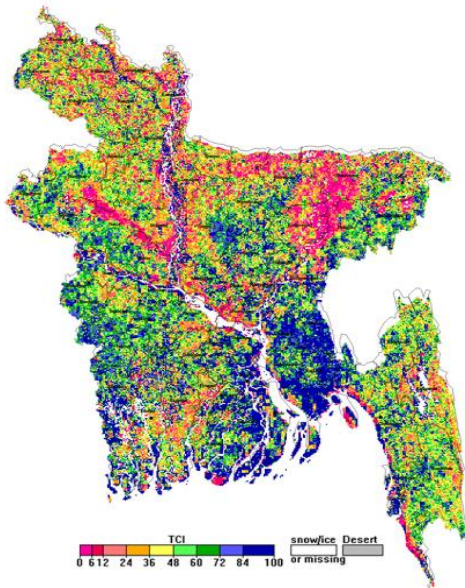
NOAA/VIIRS BLENDED NDVI composite for the week. No. 44 (29 October-04 November) over Agricultural regions of Bangladesh



NOAA/ AVHRR BLENDED VCI composite for the week No. 44 (29 October-04 November) over Agricultural regions of Bangladesh



NOAA/ AVHRR BLENDED TCI composite for the week No. 44 (29 October-04 November) over Agricultural regions of Bangladesh



NOAA/ AVHRR BLENDED VHI composite for the week No. 44 (29 October-04 November) over Agricultural regions of Bangladesh

