



# NATIONAL AGROMETEOROLOGICAL ADVISORY SERVICE BULLETIN

04 NOVEMBER 2020 (WEDNESDAY)  
[FOR THE PERIOD 04.11.2020 – 08.11.2020]



## 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

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

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

Rain/thunder showers accompanied by temporary gusty wind is likely to occur at most places over Barishal & Chattogram divisions; at a few places over Khulna & Sylhet divisions and at one or two places over Dhaka division. Weather may remain mainly dry elsewhere over the country. Night temperature may fall slightly over Rangpur, Rajshahi & Mymensingh divisions and it may remain nearly unchanged others division of the country. Day temperature may remain nearly unchanged over the country.

As per the medium range weather forecast, most all the districts are likely no rainfall during next five days. Under such conditions, it is advised to apply light irrigation in the vegetable fields and also application of fertilisers and pesticides. Salient agromet advisories issued for different crops in various districts are as follows.

## Salient Agromet Advisories

### Aman Paddy

- Provide irrigation and maintain the water level in the paddy field
- Farmers are advised to continuously monitor the field. If any symptoms of Brown Plant Hoppers (BPH) insects are found, then should go for spray of insecticides 125 ml Imidachloprid per hectare only in clear weather.
- There is a chance of Gandhi bug and Brown plant hopper attack. For Gandhi bug apply Carbaryl @1.7 kg per hectare or Isoprocarb/MIPC@1.12 kg . For BPH attack apply *Kartap*@ 1.4 kg per hectare or *Thiamethoxam+ Clorantranilipol* @75 gm per hectare.
- There is a chance of attack of leaf roller apply *Karbaril*@ 1.7 kg per hectare or Isoprocarb/MIPC @1.12 kg per hectare.
- There is a chance of sheath blight attack. Regular inspection should be continued for disease attack observation. Good results can be obtained by following wet and dry irrigation management periodically to control sheath blight. Besides, Apply *Nativo/ Folicur/score* in approved doses.
- There is chance of BLB attack. Apply at initial stage at 60 gram MOP, 60 gram Thiovit with mix up of 10 liter water @ 5 decimal lands. Before panicle initiation if BLB attack, apply potash @ 05 kg per bigha as top dressing.
- Blast disease can occur in the current weather. To control this disease, the approved fungicide of Tricyclazol / Strobilin group should be mixed well in 67 liters of water per bigha of land and sprayed twice every 5-7 days in the last afternoon. In case of blast disease, water should be

retained in the land. Fungicides should be applied in the early stages of the disease for leaf blast disease and Neck blast disease should be treated with fungicides before the disease occurs.

- Monitor regularly in the field to protect against various insect attacks. Light trap should be used for control of insects.
- If the crop is 80% mature, collect it in a sunny day.
- Drain out water from the paddy field 15 days before harvesting

### **Vegetables**

- Apply light irrigation.
- For shoot and fruit borer in brinjal crops, infested shoots with grub should be collected and buried inside the soil. Reducing spread out by using pheromone trap if pest population is high, use spray of approval dose of insecticides, if necessary or recommended local organic insecticides may be used.
- In case of infestation of flies in cucurbits type vegetables, use a combination of pheromone and poison traps. Pesticides of the alpha ciphermethrin group can be used.
- In case of powdery mildew in cucurbit type vegetables, apply hexaconazole or mencozeb.
- In case of Aphid attack in beans and cabbage, use the approved dose of Chloropyrix group of pesticides.

### **Horticultural crops**

- Farmers are advised to go for inter cultural operations in mango orchard.
- There is a chance of Sigatoka disease in banana. Cut and burn all severely affected leaves. Spray 1% Bordeaux mixture with sticker soon after the appearance of symptoms (5 to 6 sprays at fortnightly intervals).
- If millibugs attack guava, apply approved pesticides. This insect can also be controlled by spraying powdered soap at the rate of 05 g per liter of water.
- Take necessary action in case of infestation of fruit flies in guava.

### **Livestock**

- Avoid feeding non-feeders to cattle to avoid the risk of food poisoning.
- Try to solve the problem of cow olan.
- Keep the livestock houses dry and clean.
- Vaccinate the livestock regularly.
- If symptoms of any disease appear, consult a veterinarian immediately for appropriate treatment

### **Poultry**

- Keep the poultry house dry and clean.
- Give the vaccine as advised by the doctor
- If symptoms of any disease appear, consult a veterinarian immediately for appropriate treatment

### **Fishery**

- Apply lime for cleaning the pond water.

- Take out the unnecessary fish before releasing the fry.
- To keep in touch with local fisheries office for more information.

## Realized Weather at different locations in the country

Rainfall for last 24 hours (till 09 AM on 04 November 2020) and maximum temperature on 03 November and minimum temperature on 04 November 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	Trace	31.6	23.2	Rajshahi	Rajshahi	00	32.2	<u>17.3</u>
	Tangail	00	32.7	18.5		Ishurdi	00	32.0	19.0
	Faridpur	00	<u>33.0</u>	22.0		Bogura	00	32.5	19.6
	Madaripur	00	32.0	24.3		Badalgachhi	00	31.5	<u>17.3</u>
	Gopalganj	Trace	31.7	22.1		Tarash	00	32.6	21.4
	Nikli	00	30.8	xx					
Mymensingh	Mymensingh	00	32.3	21.4	Rangpur	Rangpur	00	32.0	19.5
	Netrokona	00	31.3	22.5		Dinajpur	00	32.0	19.0
						Sayedpur	00	32.6	18.4
Chattogram	Chattogram	30	30.4	22.5	Khulna	Tetulia	00	32.1	18.5
	Sandwip	<u>83</u>	30.2	22.3		Dimla	00	31.7	19.0
	Sitakunda	18	31.0	23.3		Rajarhat	00	31.7	18.0
	Rangamati	03	29.8	23.3	Barishal	Khulna	00	32.2	23.2
	Cumilla	00	32.2	25.1		Mongla	00	32.2	23.5
	Chandpur	07	32.0	26.2		Satkhira	00	32.7	22.5
	M.Court	13	30.6	24.3		Jashore	00	32.2	19.8
	Feni	07	31.5	23.4		Chuadanga	00	32.3	18.7
	Hatiya	41	30.2	23.8		Kumarkhali	00	32.5	21.4
	Cox's Bazar	12	31.0	23.0					
Kutubdia	13	30.0	24.3						
Teknaf	06	30.2	23.5						
Sylhet	Sylhet	00	31.7	25.4					
	Srimangal	00	33.0	24.4					

### Highlights:

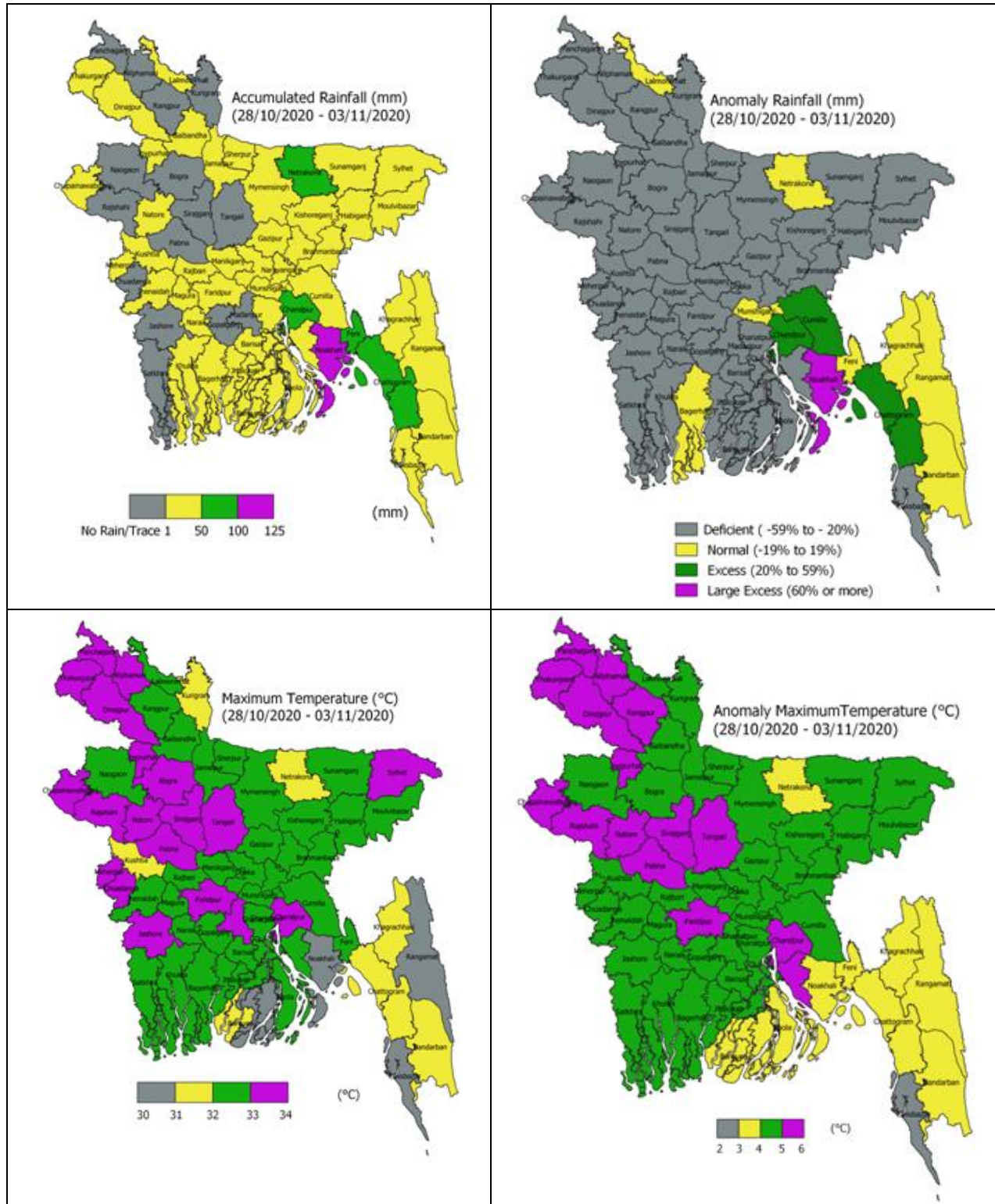
- Country average bright sunshine hour was 5.25 hours per day during last week.
- Country average free water loss during the previous week was 2.67 mm per day.

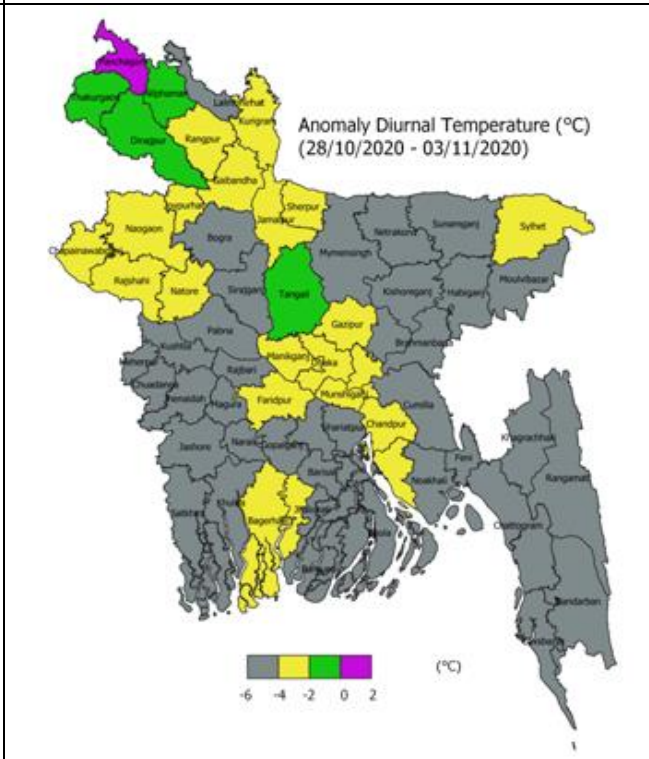
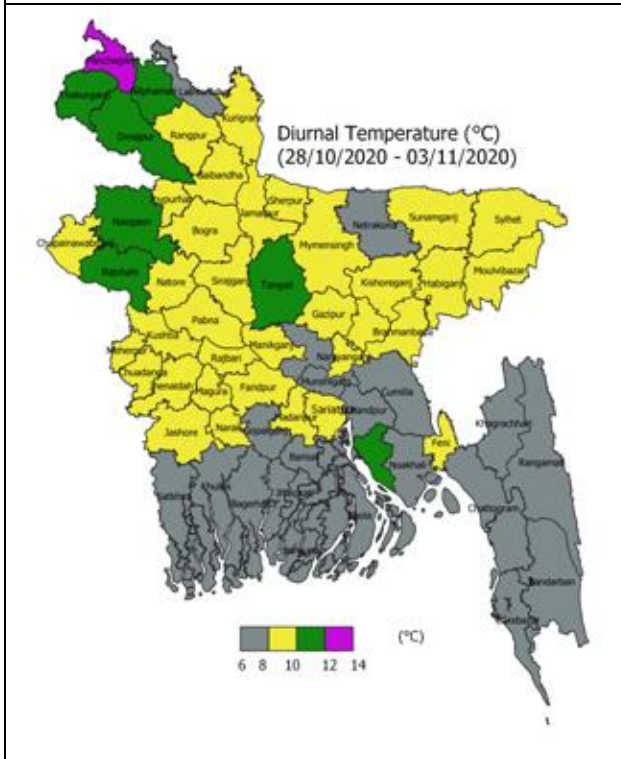
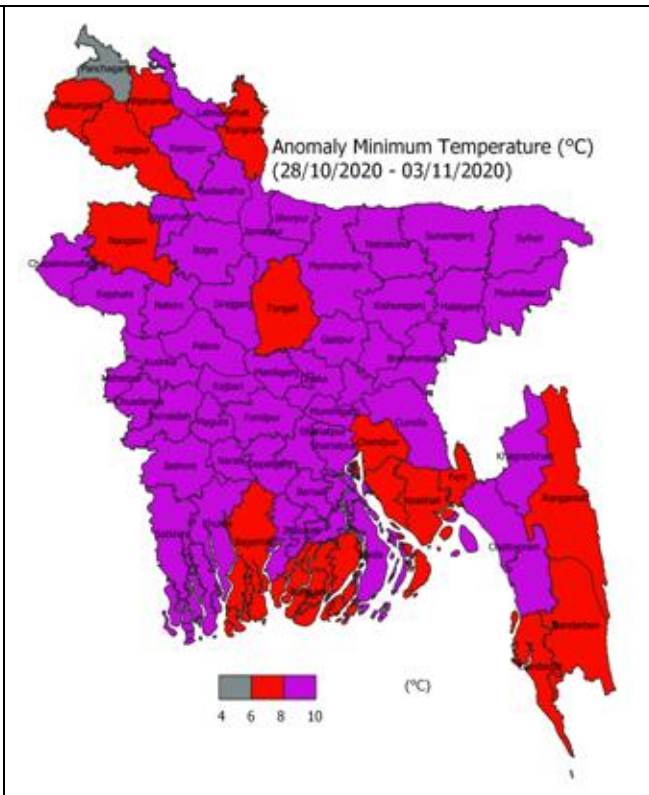
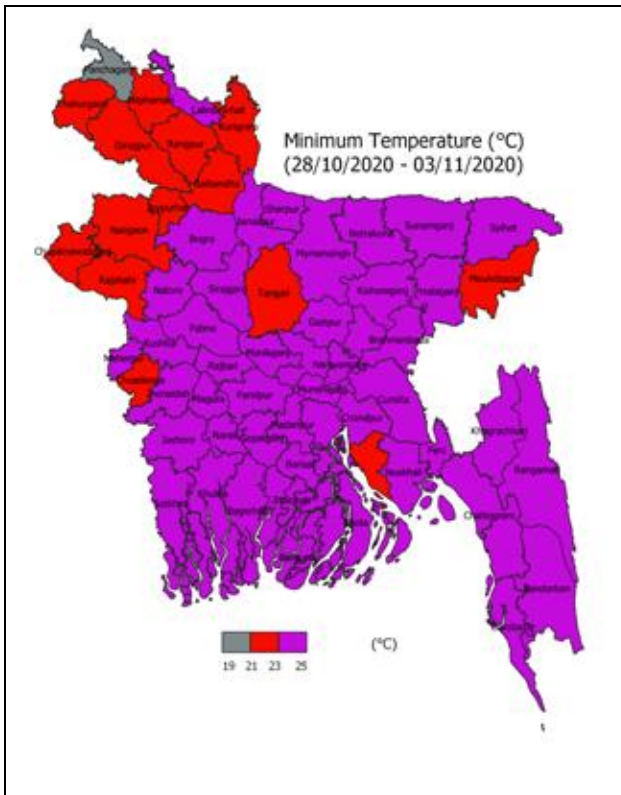
### Weather Forecast Valid for 24 Hours commencing 06 PM Today:

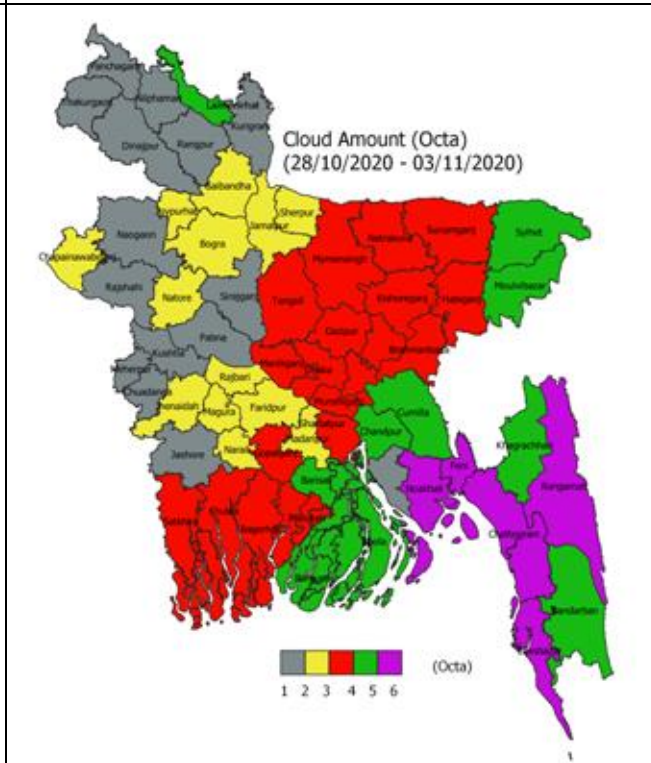
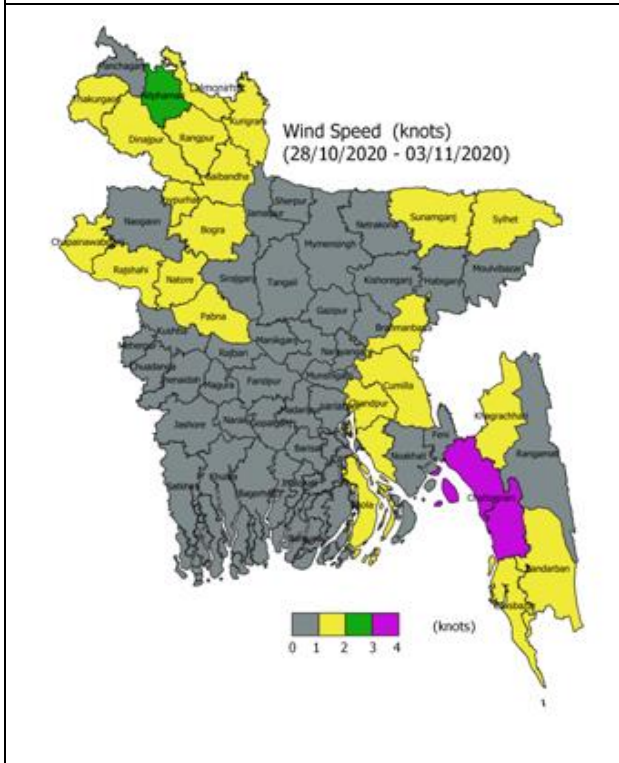
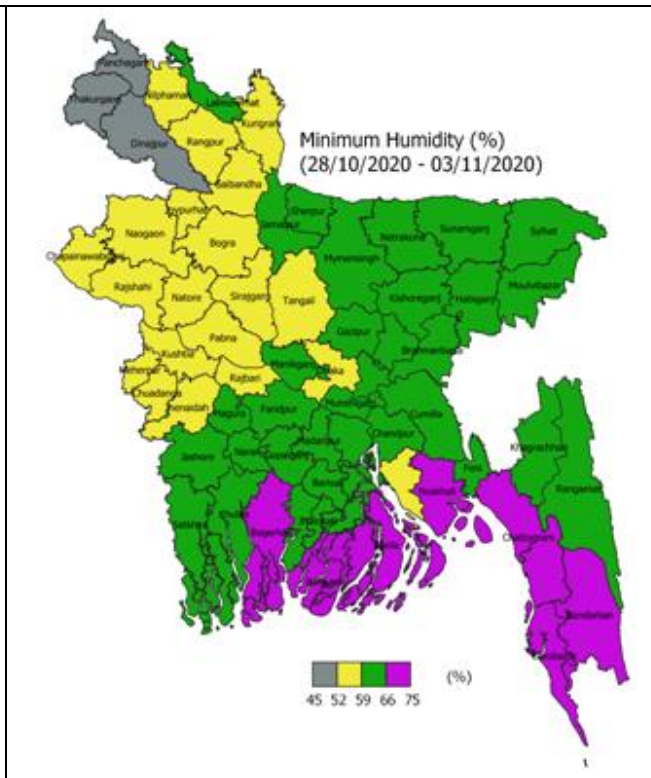
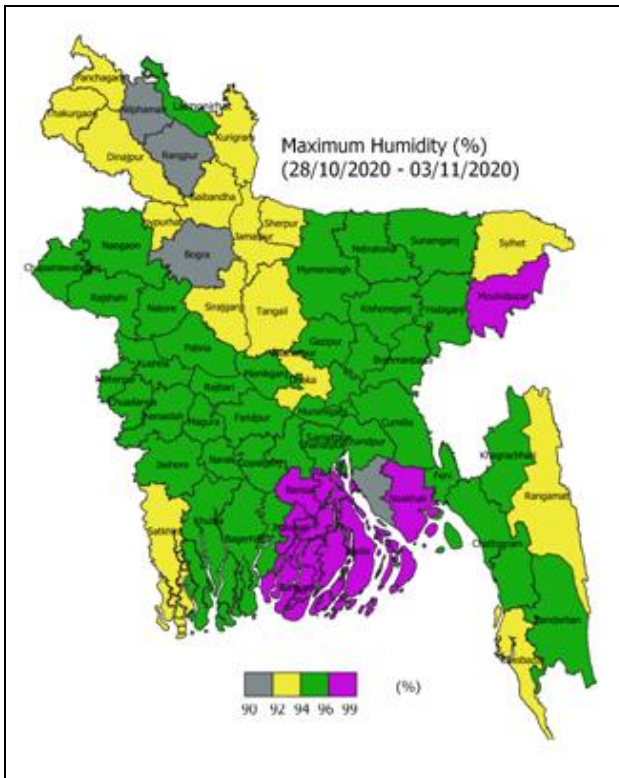
**Forecast:** Rain/thunder showers accompanied by temporary gusty wind is likely to occur at most places over Barishal & Chattogram divisions; at a few places over Khulna & Sylhet divisions and at one or two places over Dhaka division. Weather may remain mainly dry elsewhere over the country.

**Temperature:** Night temperature may fall slightly over Rangpur, Rajshahi & Mymensingh divisions and it may remain nearly unchanged elsewhere over the country. Day temperature may remain nearly unchanged over the country.

## Spatial Distribution of weather parameters for the Week ending 03 November 2020







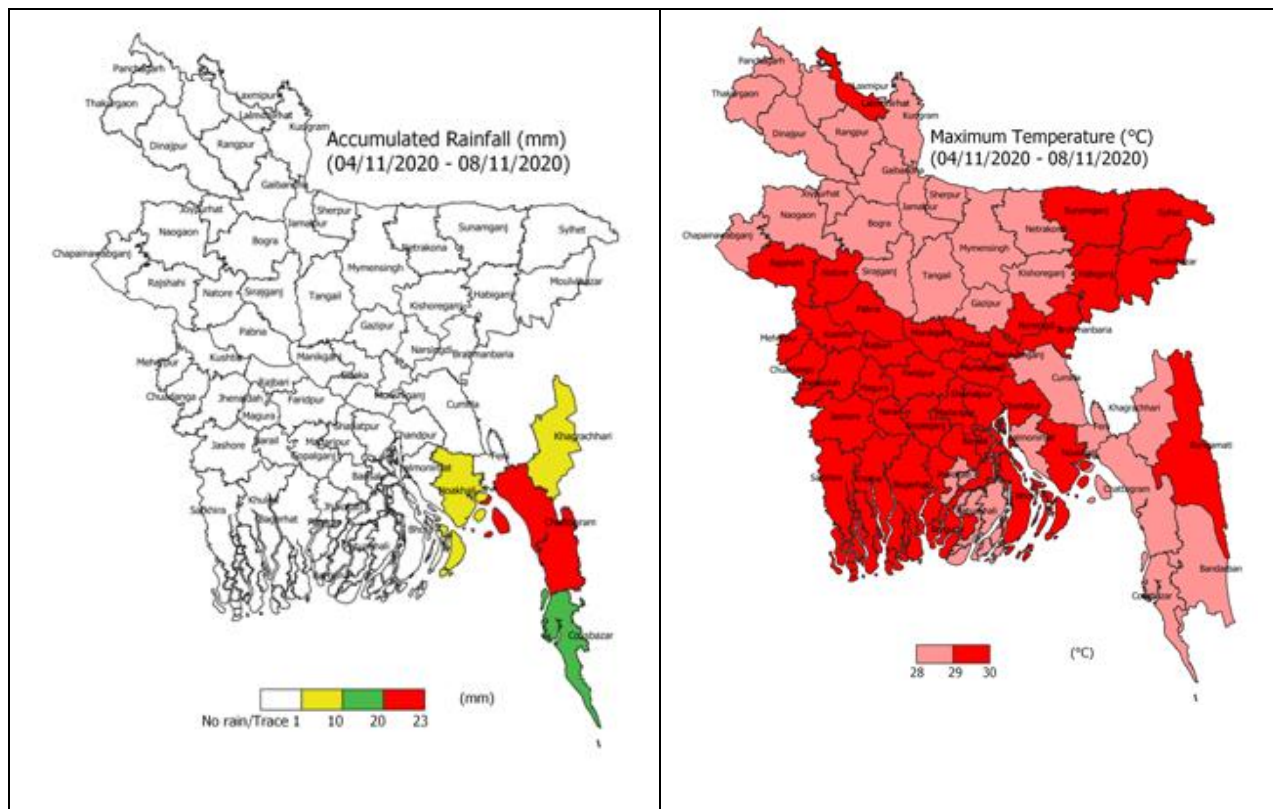


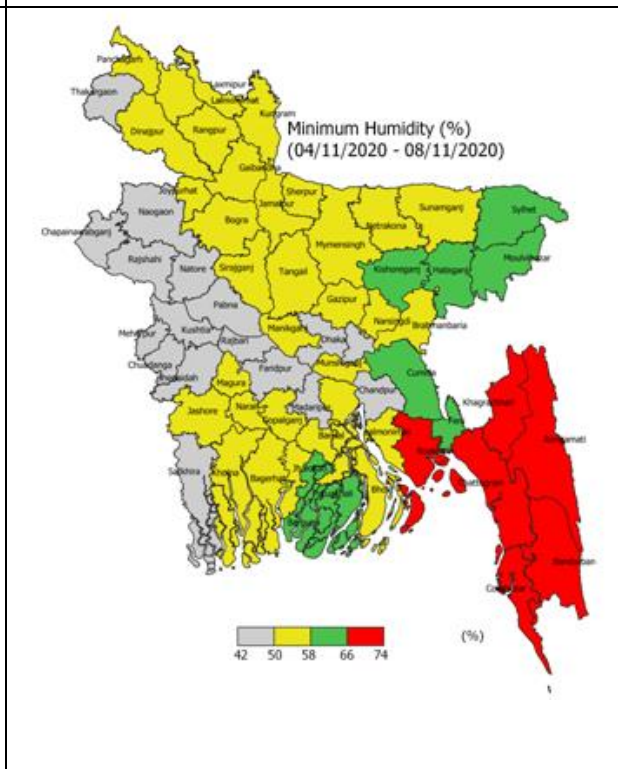
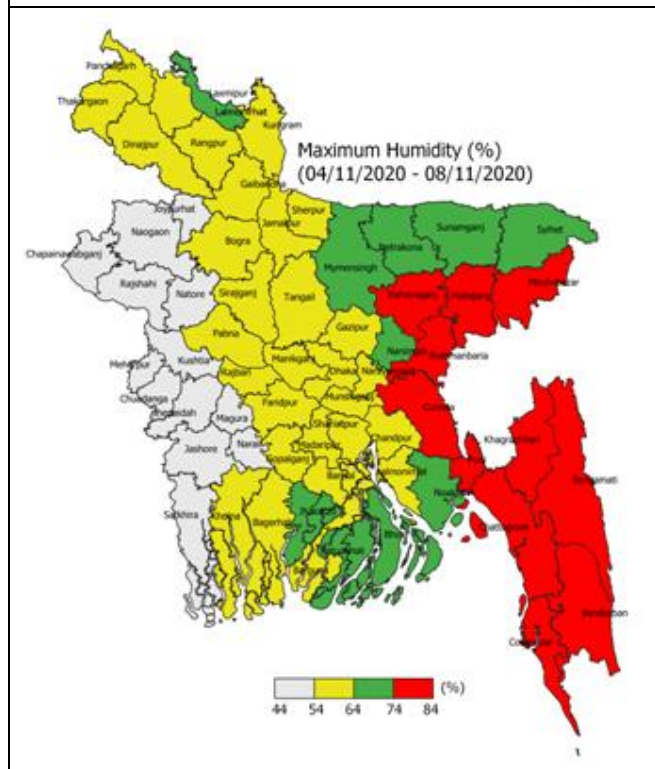
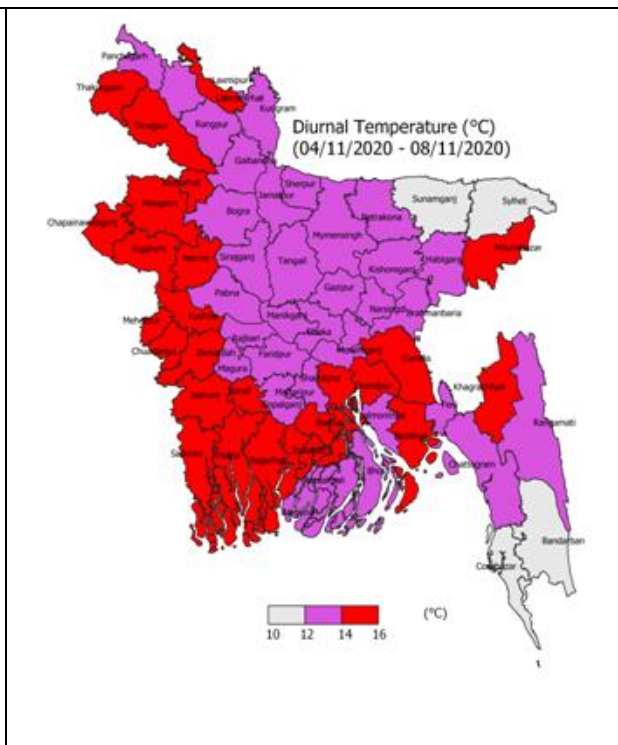
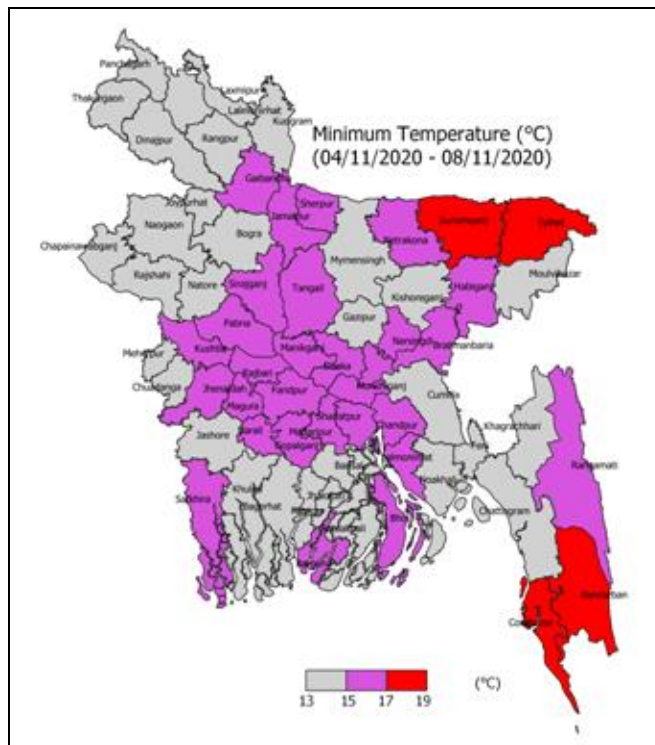
### Weather Forecast and Advisory for the Period of 01.11.2020 to 07.11.2020

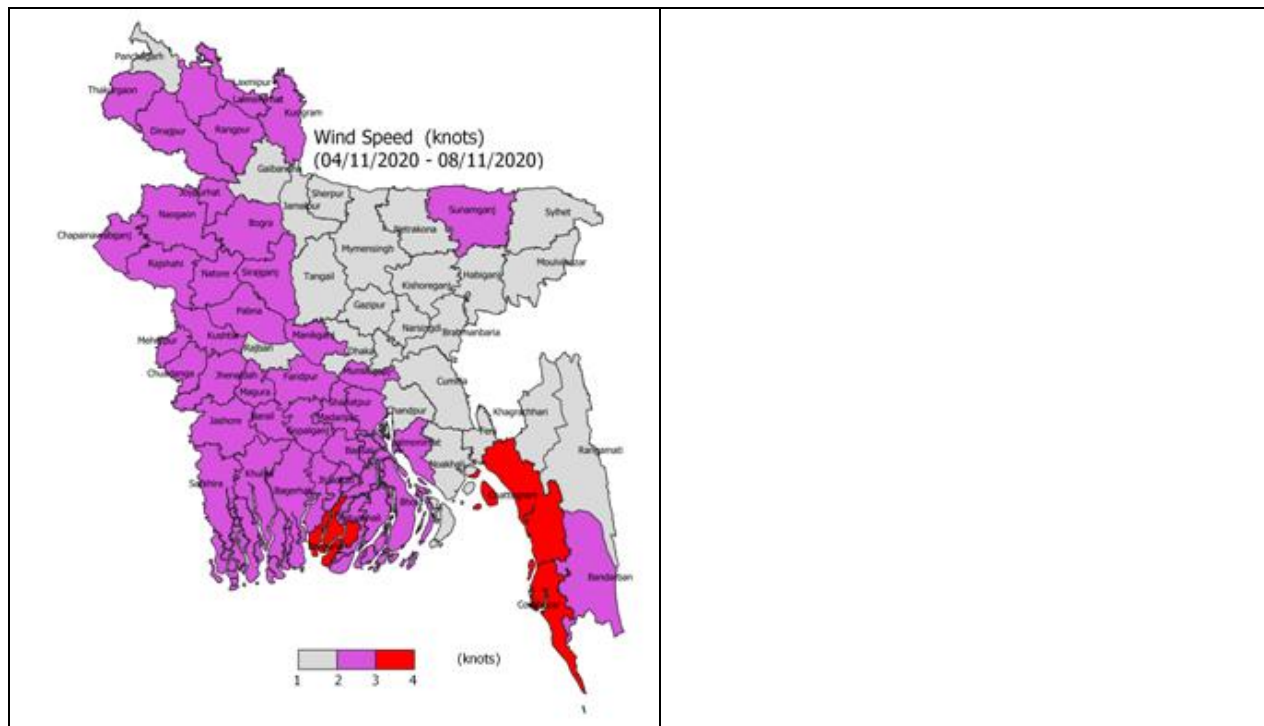
Bright sunshine hour is likely to be from 4.00 to 5.00 hours per day during this week. Average free water loss is likely to be from 2.75 to 3.75 mm per day during this week.

- Light (04-10mm/day) to moderate (11-22 mm/day) rain/thunder showers accompanied by temporary gusty wind is likely to occur at most places over Sylhet, Chattogram, Dhaka, Mymensingh, Khulna and Barishal divisions and at few places over Rajshahi and Rangpur divisions with chances of moderately heavy (23-43 mm/day) to heavy (44-88 mm/day) falls at places over Chattogram and Barishal divisions during the first half of this period.
- Weather may remain mainly dry with temporary partly cloudy sky during the second half of this period.
- Day and night temperature may fall (1-2 0 c) over the country during this period

### **District Wise Quantitative Weather Forecast for next Five days from 04 Nov.-08 Nov.'2020**

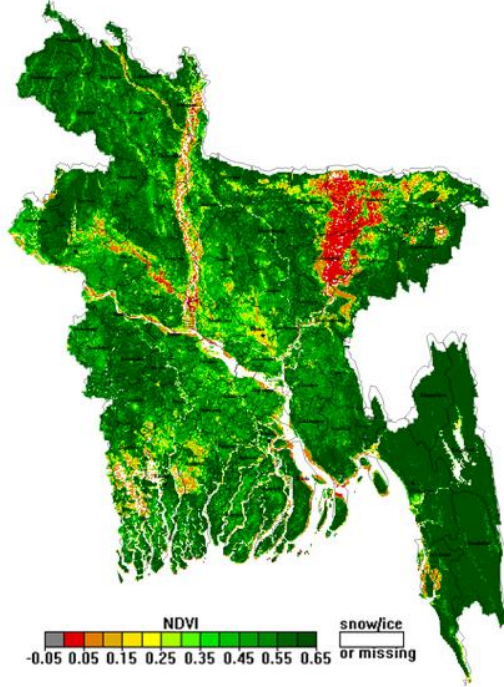




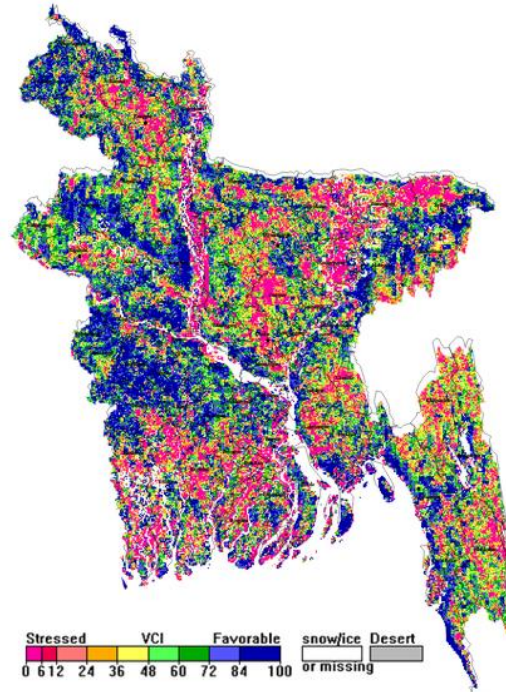


## Different Satellite Products over Bangladesh

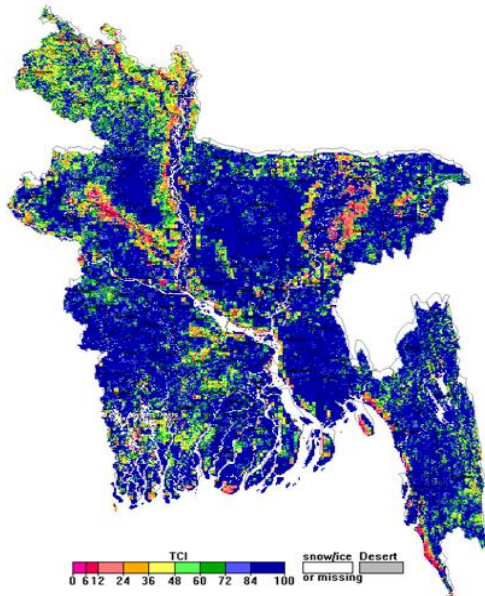
NOAA/VIIRS BLENDED NDVI composite for the week No. 43 (20 October -26 October) over Agricultural regions of Bangladesh



NOAA/ AVHRR BLENDED VCI composite for the week No. 43 (20 October -26 October) over Agricultural regions of Bangladesh



NOAA/ AVHRR BLENDED TCI composite for the week No. 43 (20 October -26 October) over Agricultural regions of Bangladesh



NOAA/ AVHRR BLENDED VHI composite for the week No. 43 (20 October -26 October) over Agricultural regions of Bangladesh

