



NATIONAL AGROMETEOROLOGICAL ADVISORY SERVICE BULLETIN

18 NOVEMBER 2020 (WEDNESDAY)
[FOR THE PERIOD 18.11.2020– 22.11.2020]



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

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 will remain dry with temporary partly cloudy sky over the district. Light fog may occur at places over the country during early morning. Night and day temperature may remain nearly unchanged over the district. As per the outlook issued by BMD for next 72 hours, during last four days, no rainfall occurred all over the district and as per the quantitative medium range weather forecast; there is no possibilities rainfall most of the districts is likely during next five days. Detail Agromet advisory are given below:

Aman Paddy

Booting to Harvesting stages

- 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 Imidacloprid** 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+ Chlorantraniliprole @75 gm** per hectare.
- There is a chance of attack of leaf roller apply **Carbaryl@ 1.7 kg** per hectare or **Isoprocarb/MIPC @1.12 kg** per hectare.
- Catch the insects with the hand net to control the attack of the green leaf hopper. If the infestation is high, apply **1.8 kg Carbaryl or 1.12 kg Isoprocarb / MIPC** 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 / Strobil 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.
- Drain out water from the paddy field 15 days before harvesting
- If the crop is 80% mature, collect it in a sunny day.

Boro paddy

Seedbed

- The current weather is ideal for making seedbeds. Continue to create seedbeds.
- Dry seedbeds can be made in areas where the incidence of cold is high. In this case 25-30 cm channel should be kept between each two plots.

Wheat

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

Potato

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

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 **Chlorpyrifos** group of pesticides.

Horticultural crops

- Farmers are advised to go for inter cultural operations in mango orchard.
- 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.
- In case of banana beetle infestation, apply **Isoprocarb / MIPC** group pesticides.
- In order to control coconut mite, miticide should be applied to the affected trees by cutting and burning the young coconut. In addition, miticide should be applied on the leaves of young trees in the vicinity.

- 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.
- Apply light irrigation on young fruit trees.

Livestock

- Vaccinate the cattle to prevent disease.
- If symptoms of any disease appear, consult a veterinarian immediately for appropriate treatment

Poultry

- Vaccinate the birds to prevent disease.
- If symptoms of any disease appear, consult a veterinarian immediately for appropriate treatment

Fishery

- Apply lime for cleaning the pond water.
- 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 18 November 2020) and maximum temperature on 17 November and minimum temperature on 18 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	00	31.4	19.6	Rajshahi	Rajshahi	00	30.0	15.8
	Tangail	00	30.6	16.2		Ishurdi	00	29.8	17.0
	Faridpur	00	<u>32.3</u>	18.3		Bogura	00	30.0	17.0
	Madaripur	00	31.3	18.3		Badalgachhi	00	29.0	15.8
	Gopalganj	00	31.1	18.2		Tarash	00	29.0	17.5
	Nikli	00	30.2	xx					
Mymensingh	Mymensingh	00	30.7	16.8	Rangpur	Rangpur	00	29.5	16.0
	Netrokona	00	30.5	17.6		Dinajpur	00	29.0	15.1
						Sayedpur	00	29.7	14.8
Chattogram	Chattogram	00	30.5	21.2		Tetulia	00	29.4	<u>13.2</u>
	Sandwip	00	31.7	20.0		Dimla	00	29.0	15.0
	Sitakunda	00	32.2	19.2		Rajarhat	00	29.3	14.3
	Rangamati	00	30.8	19.8	Khulna	Khulna	00	30.5	20.2
	Cumilla	00	31.0	18.0		Mongla	00	31.5	20.2
	Chandpur	00	32.1	20.2		Satkhira	00	30.5	20.0
	M.Court	00	31.5	21.0		Jashore	00	31.0	17.6
	Feni	00	31.6	19.0		Chuadanga	00	30.4	15.6
	Hatiya	00	31.6	20.0	Kumarkhali	00	30.5	17.5	
	Cox's Bazar	00	31.5	21.6					
Kutubdia	00	31.5	20.4	Barishal	Barishal	00	31.5	18.2	
Teknaf	00	32.2	xx		Patuakhali	00	30.6	19.9	
					Khepupara	00	31.2	19.9	
Sylhet	Sylhet	00	29.0	20.3		Bhola	00	31.9	18.5
	Srimangal	00	30.2	16.6					

Highlights:

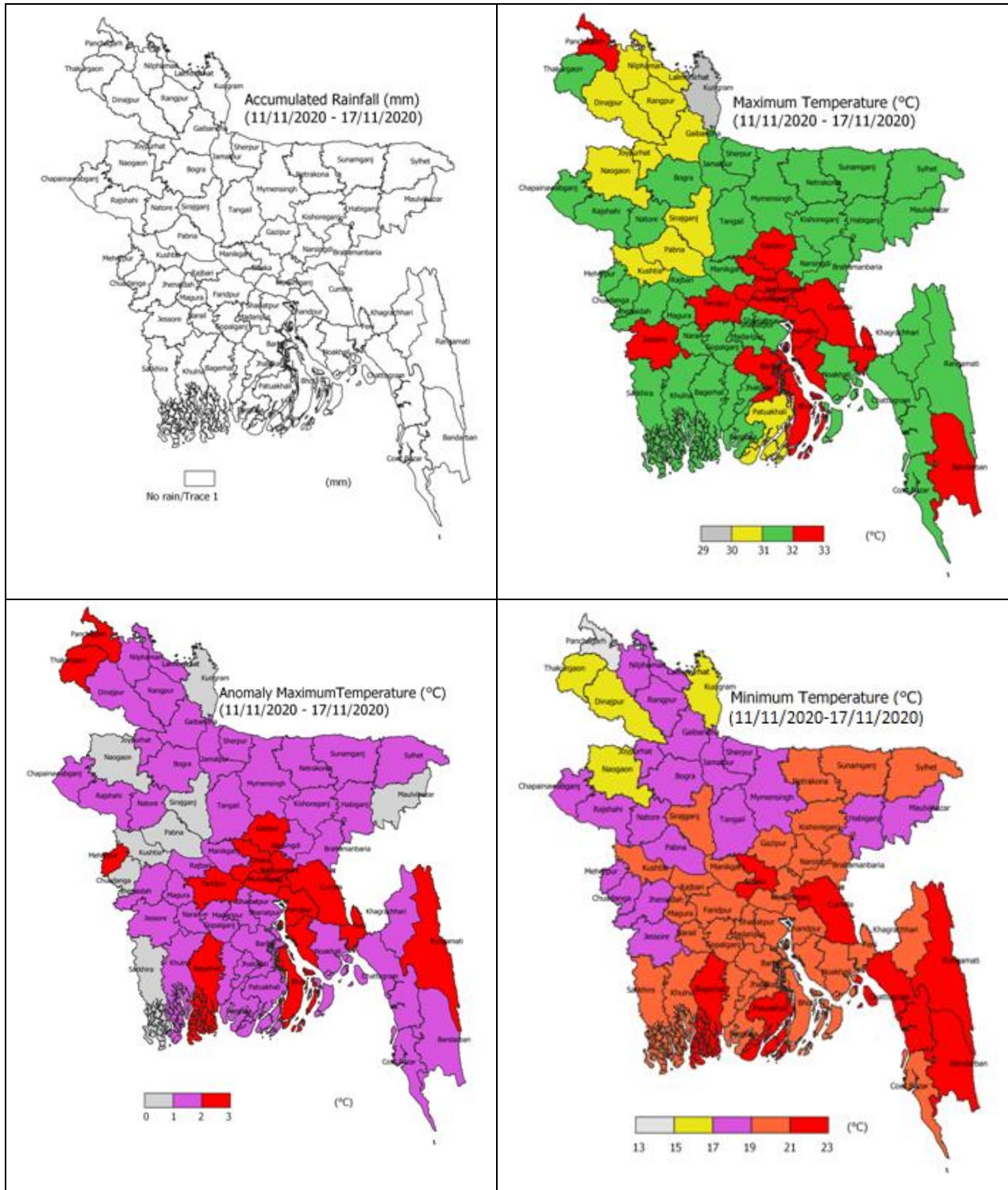
- Country average bright sunshine hour was 8.84 hours per day during last week.
- Country average free water loss during the previous week was 3.13 mm per day.

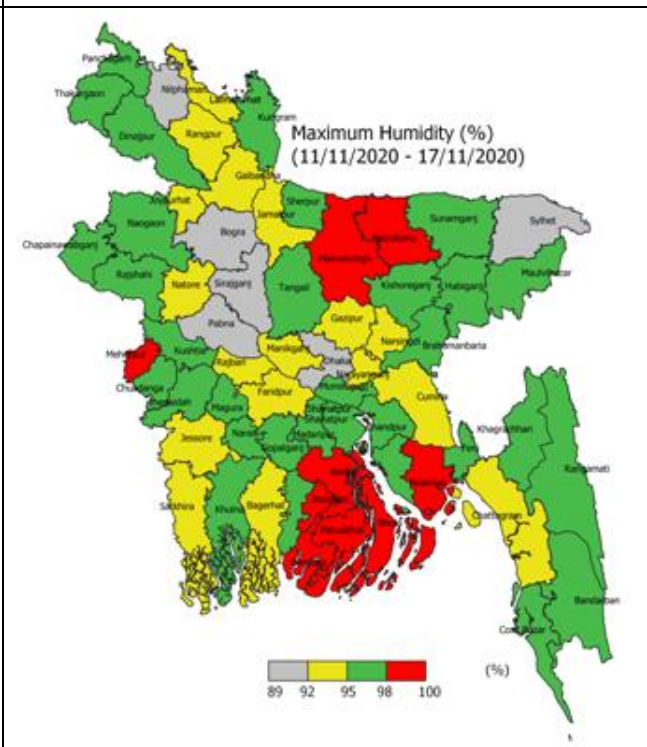
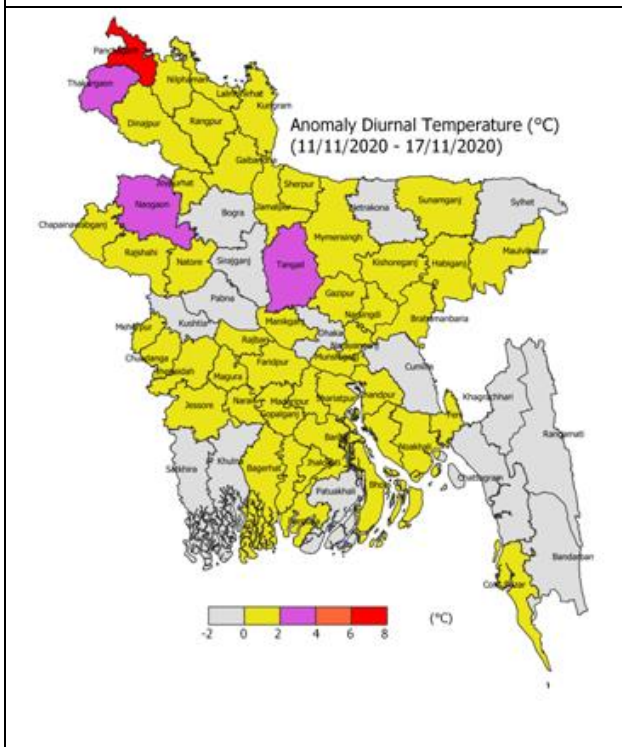
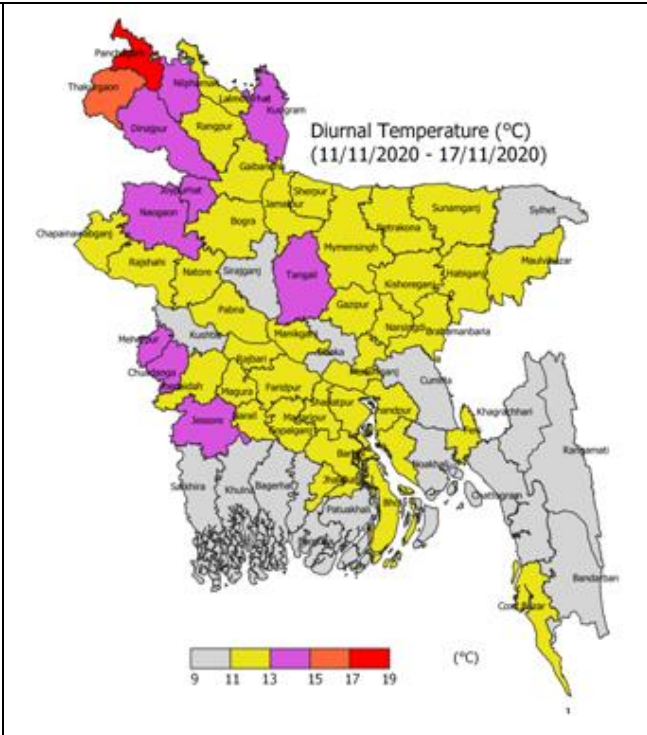
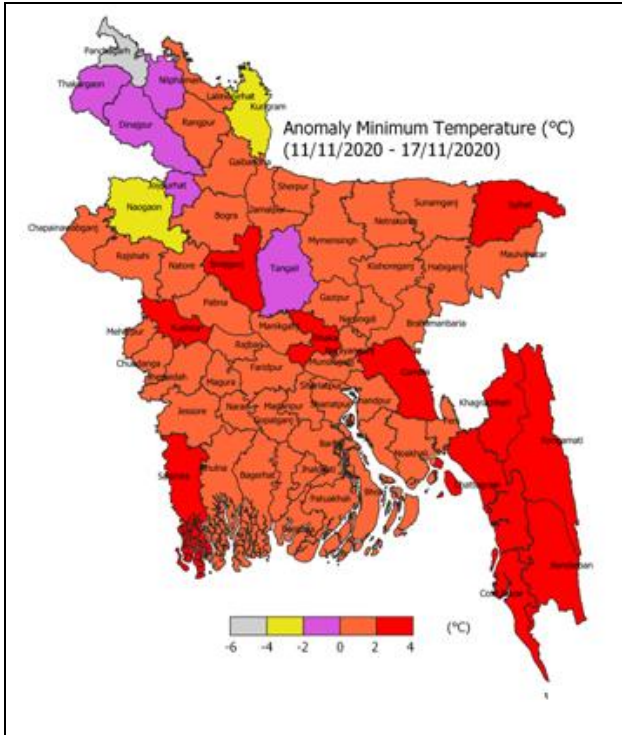
Weather Forecast Valid for 24 Hours commencing 06 PM Today:

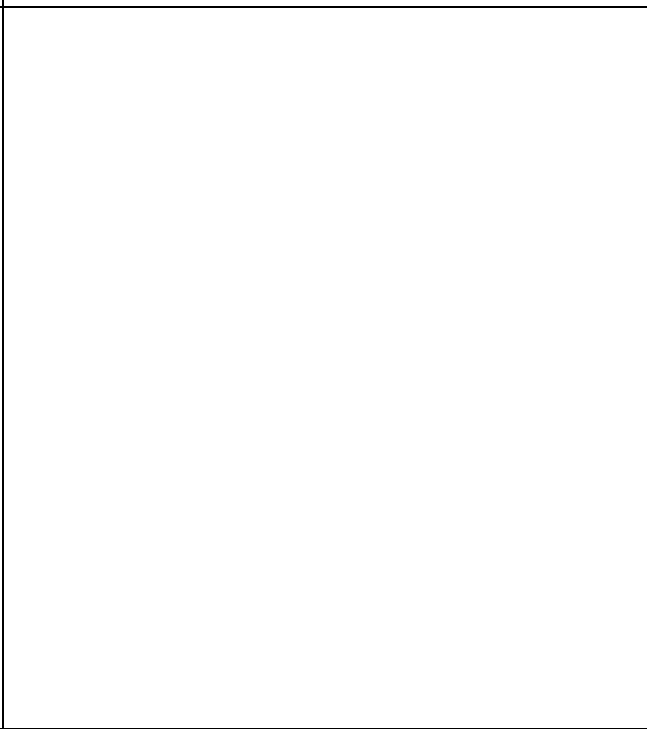
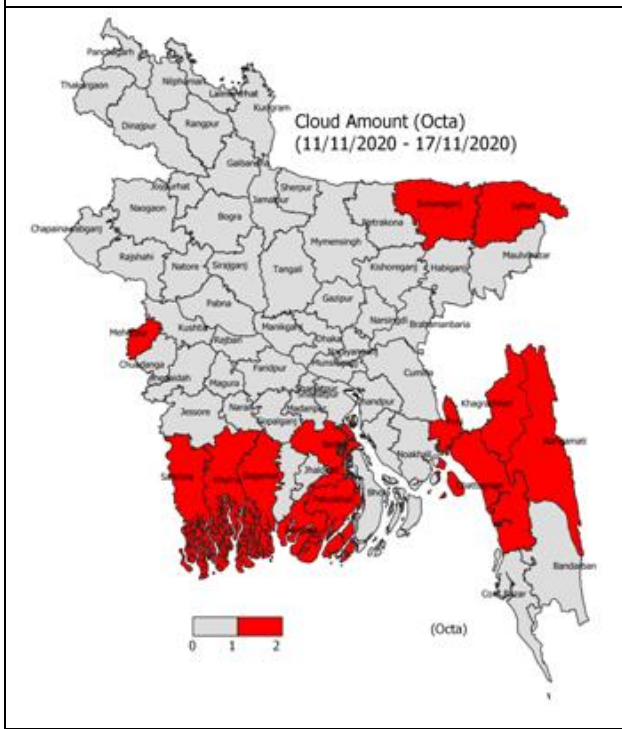
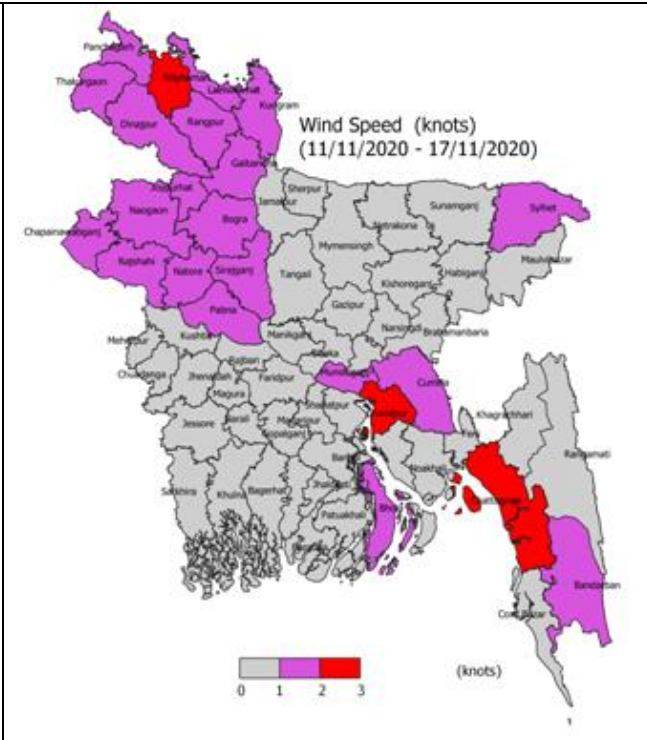
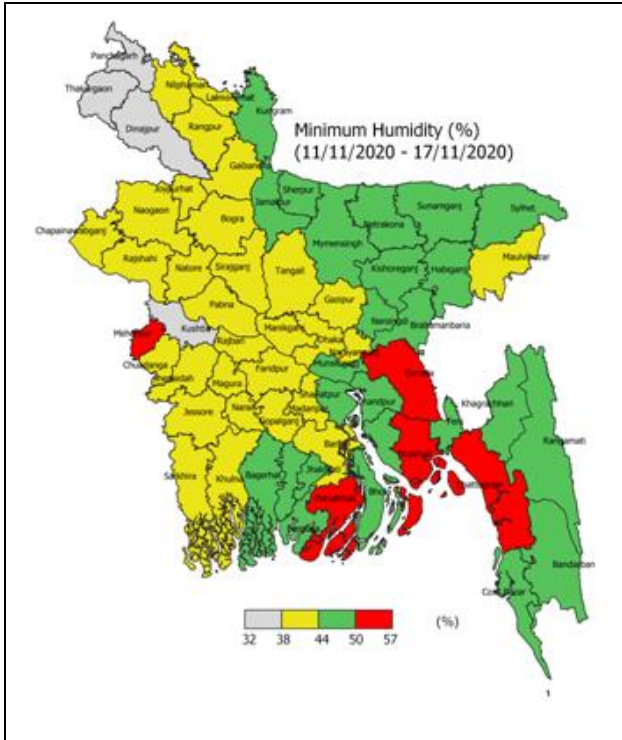
Forecast: Weather will remain dry with temporary partly cloudy sky over the country. Light fog may occur at places over the country during early morning.

Temperature: Night and Day temperature may remain nearly unchanged over the country

Spatial Distribution of weather parameters for the Week ending 17 November 2020





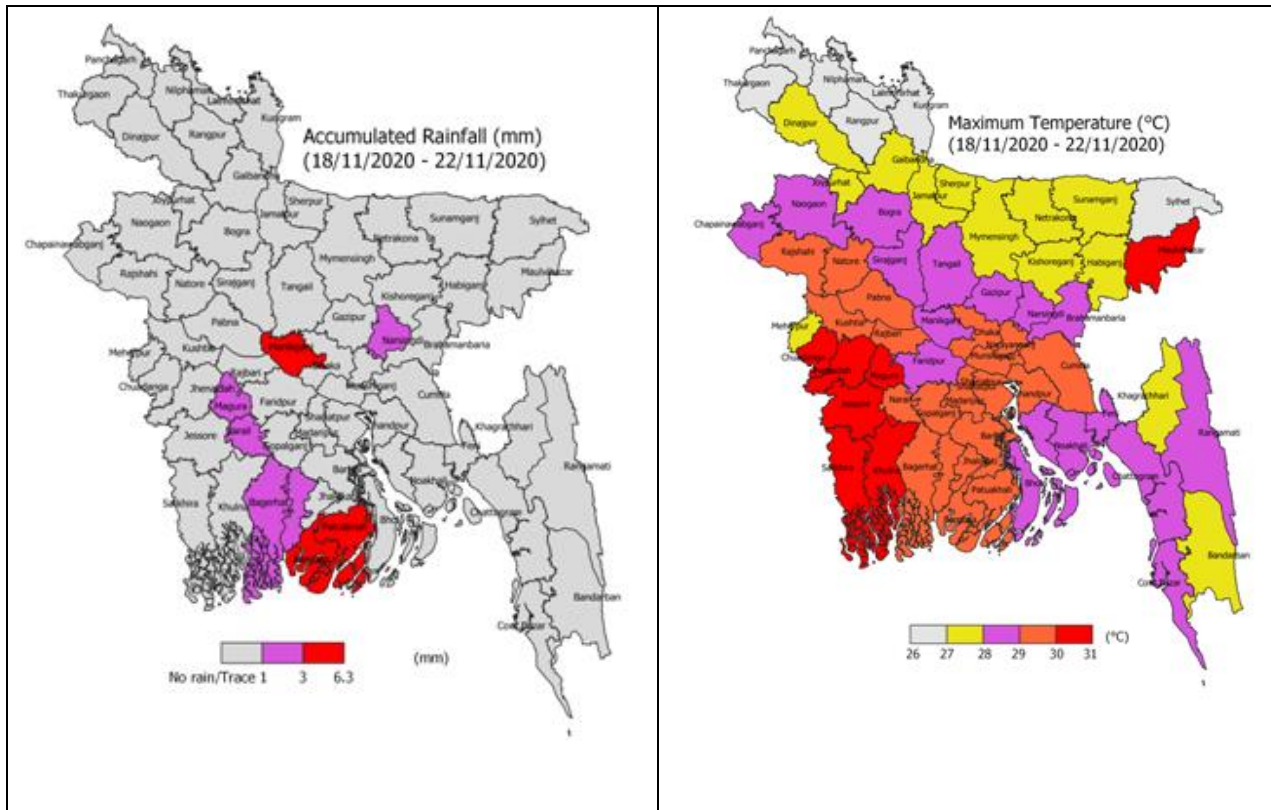


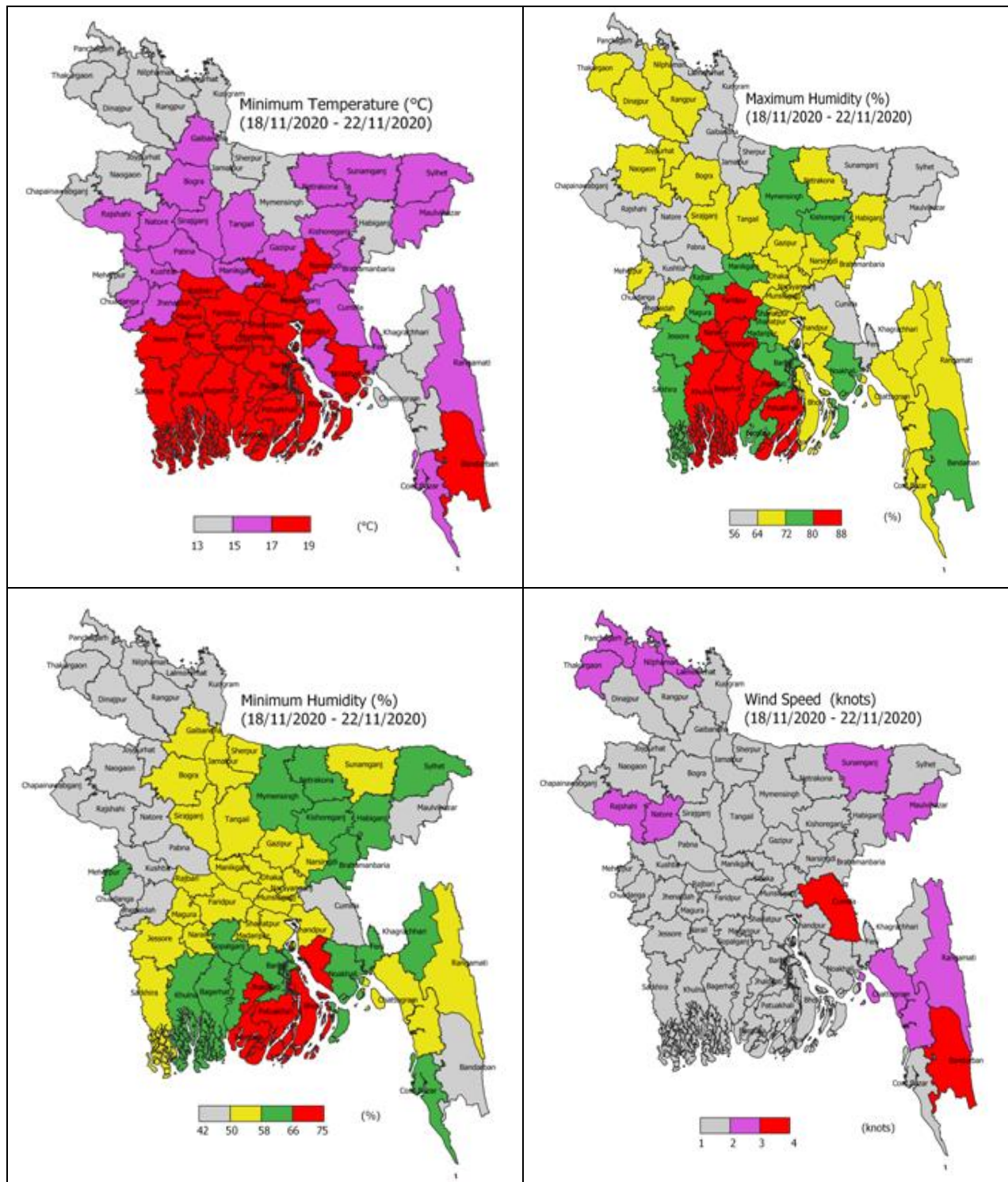
Weather Forecast and Advisory for the Period of 15.11.2020 to 21.11.2020

Bright sunshine hour is likely to be from 8.00 to 9.00 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 over the country during this period.
- Day and night temperature may fall slightly over the country during this period.

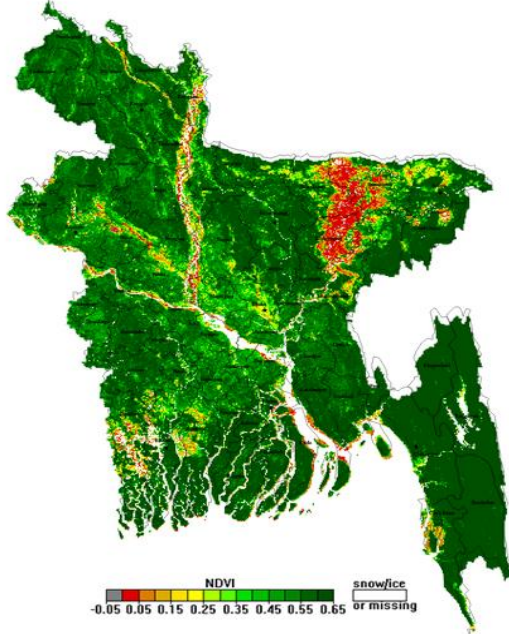
District Wise Quantitative Weather Forecast for next Five days from 18 Nov.-22 Nov.'2020



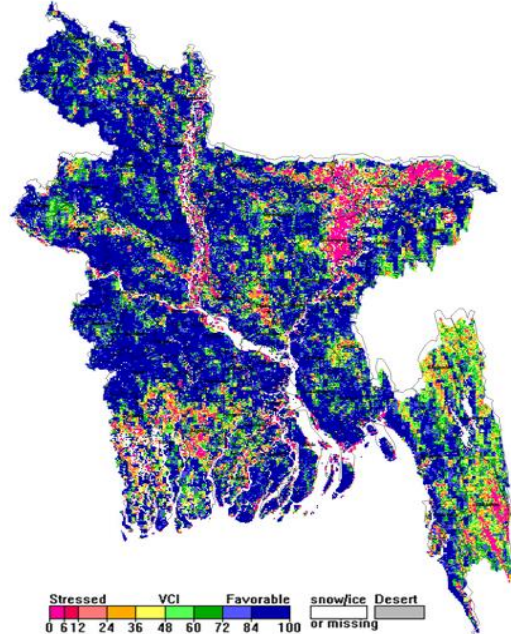


Different Satellite Products over Bangladesh

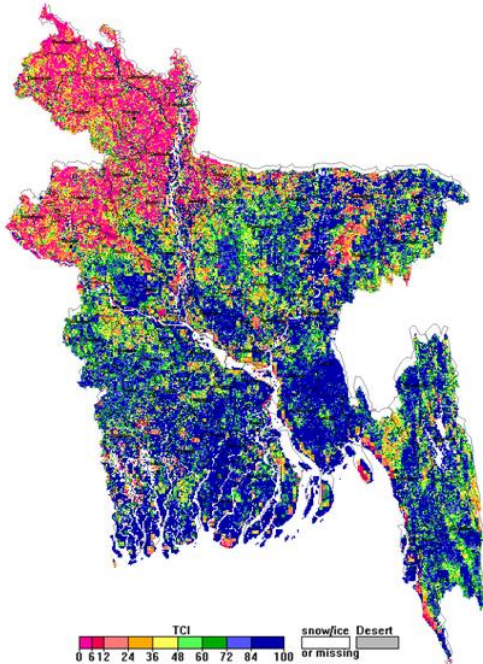
NOAA/VIIRS BLENDED NDVI composite for the week No. 45 (03 November -09 November) over Agricultural regions of Bangladesh



NOAA/ AVHRR BLENDED VCI composite for the week No. 45 (03 November -09 November) over Agricultural regions of Bangladesh



NOAA/ AVHRR BLENDED TCI composite for the week No. 45 (03 November -09 November) over Agricultural regions of Bangladesh



NOAA/ AVHRR BLENDED VHI composite for the week No. 45 (03 November -09 November) over Agricultural regions of Bangladesh

