



NATIONAL AGROMETEOROLOGICAL ADVISORY SERVICE BULLETIN

21 April 2021 (WEDNESDAY)
[FOR THE PERIOD 21.04.2021 – 25.04.2021]



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.

Please Contact: Farhana Hoque, Sabuj Roy | E-mail: naamisp@dae.gov.bd
Phone No.: 02-55'028414, 02-55028418

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' rain/thunder showers accompanied by temporary gusty/squally wind is likely to occur at one or two places over Rangpur, Rajshahi, Mymensingh & Sylhet divisions. Weather may remain mainly dry with temporary partly cloudy sky elsewhere over the country. Severe heat wave is sweeping over the regions of Rajshahi, Pabna, Chudanga & Kushtia. Mild to moderate heat wave is sweeping over Dhaka & Barishal divisions and the regions of Bogura, Naogaon, Sirajganj, Khulna, Mongla, Satkhira, Jashore & Rangamati and it may continue. Day and night temperature may remain nearly unchanged over the country. As per the outlook issued by BMD for next 72 hours' is likely little change. During last four days, light to moderate rainfall occurred some places of the country and as per the quantitative medium range weather forecast; most of the districts of the country are likely to receive light to moderate rainfall in the next five days. Detail Agromet advisory are given below:

Boro paddy

Booting to Harvesting stages

- Maintain 2-3 inches standing water level of boro rice field from Panicle Initiation to Soft Dough.
- In case of bacterial leaf blight, stop application of urea fertilizer. In the initial stage of the disease, apply 60 gm MOP, 60 gm thiovit in 10 liters of water and apply on 5 decimal of the land. In case of disease before panicle initiation, 5 kg of potash fertilizer should be applied at top dressing per bigha.
- Neckblast disease may occur at this stage of boro paddy, so whether the disease is present in the paddy field or not, at the stage of Panicle Initiation, in 5 decimal of the land, 8 gm of Trooper / 6 gm of Nativo / Tricyclazole group approved fungicide should be mixed well in the afternoon in 10 liters of water for 5-7 days' intervals should be sprayed twice.

- At this time the land may be attacked by brown grasshoppers. Approved pesticides should be applied in prescribed doses in attack prone areas.
- To protect from kalbaishakhi and hail damage, cut and thresh as soon as 80% of the grains are mature.

Vegetables

- Prepare the land for planting kharif vegetable.
- To protect the seedlings from disease, shade should be given for 3/4 days after transplanting.
- Arrange for hand pollination of pumpkin vegetables. If beetles appear, kill them by hand in the morning and afternoon.
- In case of fly infestation in pumpkin, use pheromone and poison traps together. Pesticides of Alpha-Cypermethrin group can be used.

Horticultural crops

- Fruit orchards need to be inter-cultural operation.
- Sumithion 50 EC of Phenthothion group should be mixed with 1.12 ml per liter of water and sprayed in the last afternoon to control flies the time of fruit maturity in mango tree. Spraying of all types of pesticides should be stopped 15-20 days before fruit collection.
- At this time soft rot disease of jackfruit may occur. Apply approved pesticides.
- Provide irrigation as requirement.

Livestock

- Cattle should be fed with hay, raw grass and hand-made granular feed. Preserve paddy straw properly now.
- Vaccinate the cattle to prevent disease.
- Keep the cattle house dry and clean. Use mosquito nets or earthenware pots coils at room.
- Keep cattle safe place from lightning and rain.

Poultry

- Vaccinate the chickens regularly to prevent disease.
- Keep the poultry house dry and clean. Use mosquito nets or earthenware pots coils at room.

Fishery

- Now is the right time to stock fish. Prepare the pond.
- Catch all the old fish by drying the pond or applying Rotenon (25 g / decimal / ft). After 2/3 days apply 1 kg lime per decimal
- Apply fertilizer (200 g urea per decimal, 100 g TSP) and 3/4 days after lime application.

- 3/4 days after application of fertilizer, if the water color is green, store the layer-based fish fry

Realized Weather at different locations in the country

Rainfall for last 24 hours (till 09 AM on 21 April 2021) and maximum temperature on 20 April and minimum temperature on 21 April 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	36.9	27.3	Rajshahi	Rajshahi	00	40.3	26.9
	Tangail	00	38.5	26.5		Ishurdi	00	40.0	26.0
	Faridpur	00	38.0	25.5		Bogura	00	38.0	27.0
	Madaripur	00	36.6	25.8		Badalgachhi	00	36.5	25.4
	Gopalganj	00	36.8	26.4		Tarash	00	38.0	25.2
	Nikli	Trace	34.5	22.5					
Mymensingh	Mymensingh	00	34.0	23.0	Rangpur	Rangpur	00	34.7	24.3
	Netrokona	00	31.6	22.2		Dinajpur	00	36.7	24.6
						Sayedpur	00	35.0	23.8
Chattogram	Chattogram	00	33.6	25.5		Tetulia	00	32.2	23.2
	Sandwip	00	33.7	24.6		Dimla	00	33.7	23.5
	Sitakunda	00	35.2	24.5		Rajarhat	00	34.2	23.2
	Rangamati	00	36.0	24.0	Khulna	Khulna	00	37.5	27.4
	Cumilla	00	34.4	25.5		Mongla	00	37.7	25.9
	Chandpur	00	35.2	27.2		Satkhira	00	37.0	27.4
	M.Court	00	35.5	25.5		Jashore	00	39.6	25.0
	Feni	00	35.3	24.7		Chuadanga	00	40.0	26.0
	Hatiya	00	34.8	24.3	Kumarkhali	00	40.0	25.8	
	Cox's Bazar	00	33.8	25.0	Barishal	Barishal	00	36.2	25.3
Kutubdia	00	33.0	24.6	Patuakhali		00	36.0	24.7	
Teknaf	00	33.2	24.6	Khepupara		00	35.6	26.4	
Sylhet	Sylhet	00	32.0	22.2	Bhola	00	36.0	25.0	
	Srimangal	00	35.6	22.5					

Highlights:

- Country average bright sunshine hour was 7.00 hours per day during last week.
- Country average free water loss during the previous week was 5.00 mm per day.

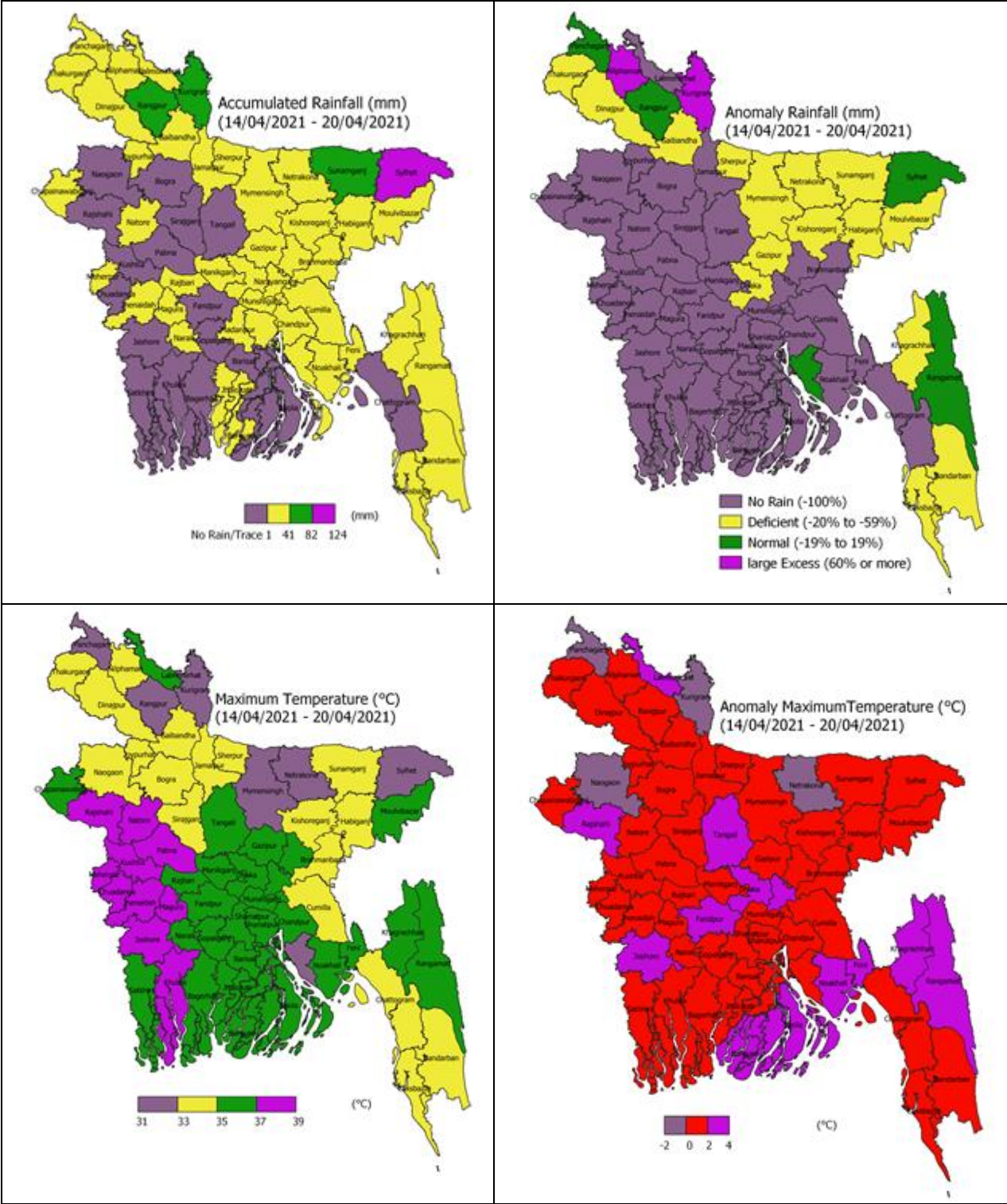
Weather Forecast Valid for 24 Hours commencing 06 PM Today:

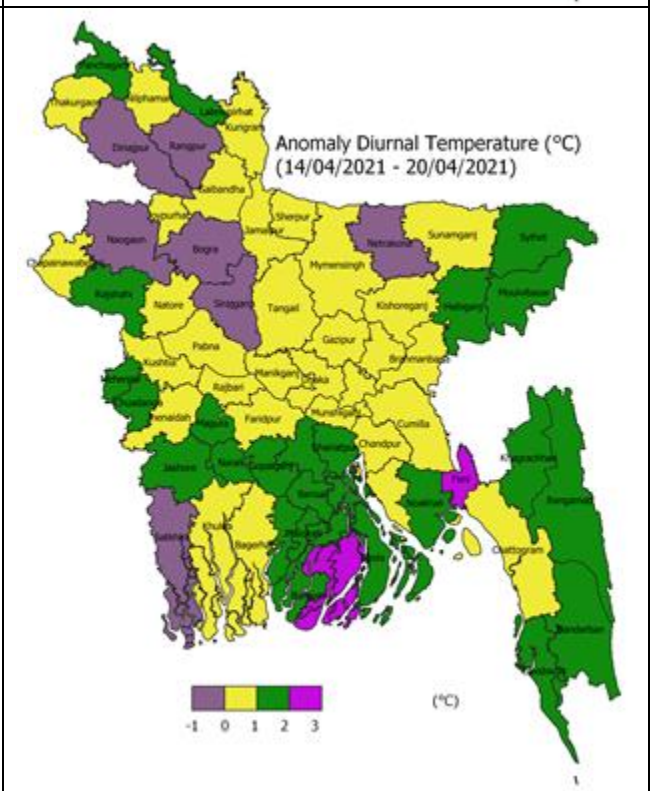
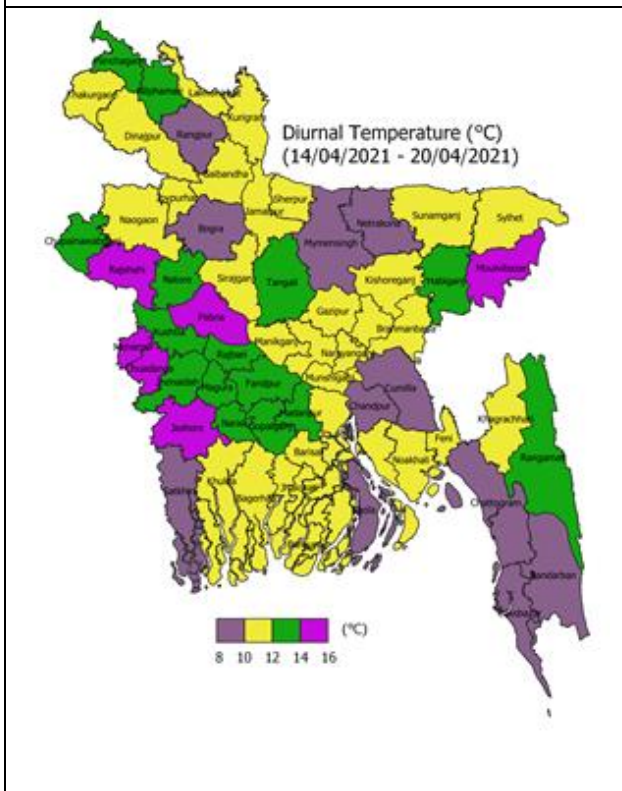
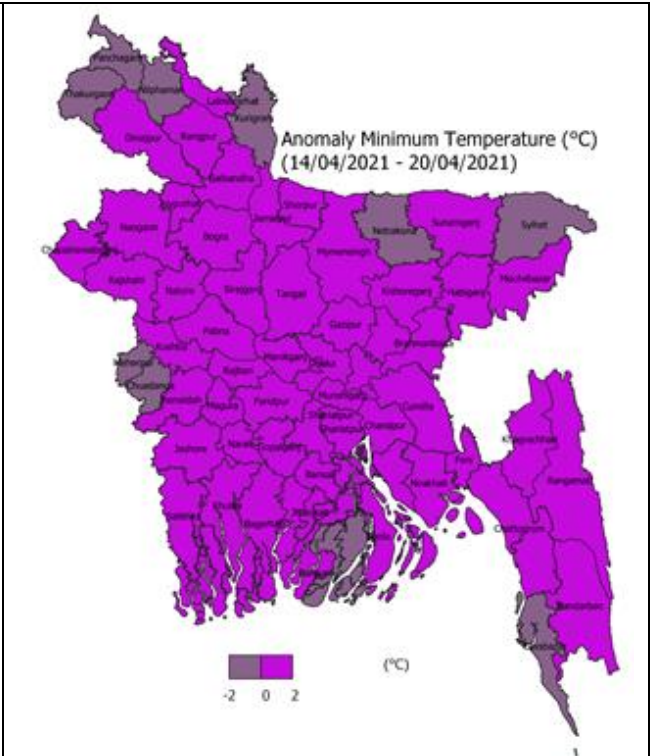
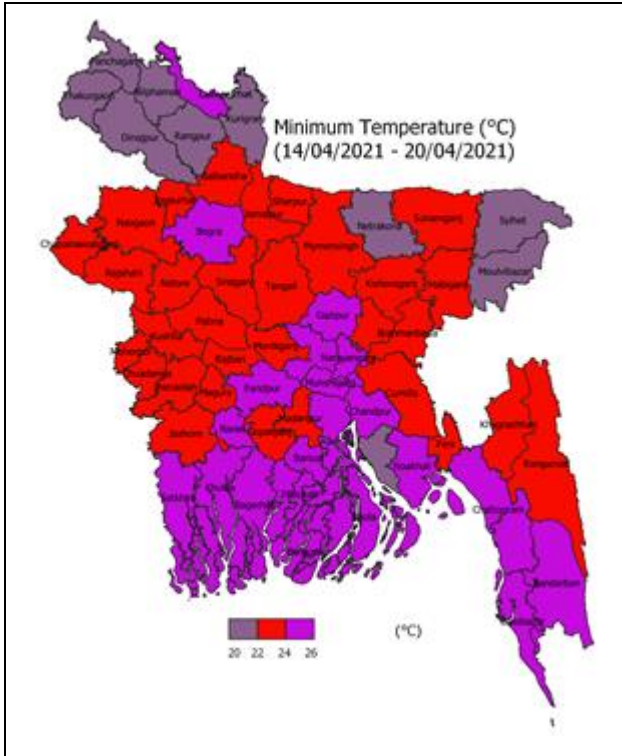
Forecast: Rain/thunder showers accompanied by temporary gusty/squally wind is likely to occur at one or two places over Rangpur, Rajshahi, Mymensingh & Sylhet divisions. Weather may remain mainly dry with temporary partly cloudy sky elsewhere over the country.

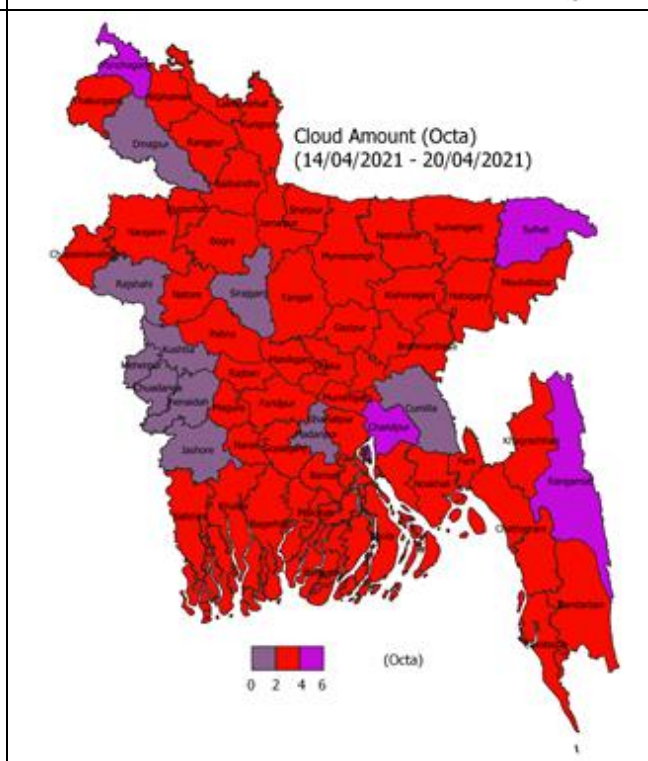
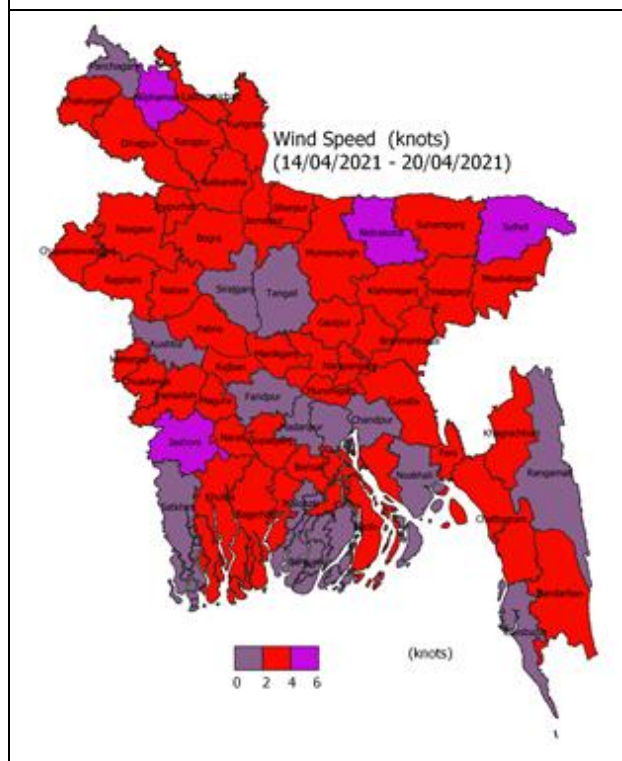
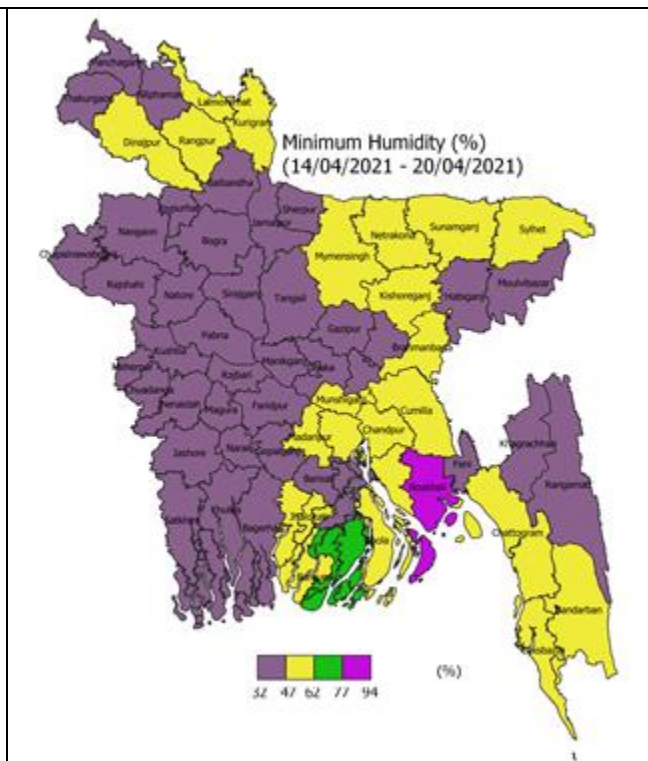
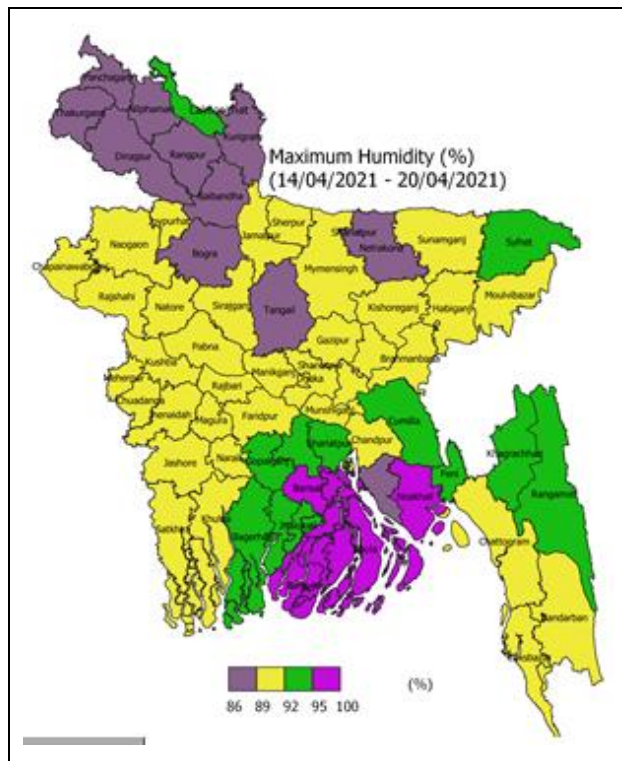
Heat Wave: Severe heat wave is sweeping over the regions of Rajshahi, Pabna, Chudanga & Kushtia. Mild to moderate heat wave is sweeping over Dhaka & Barishal divisions and the regions of Bogura, Naogaon, Sirajganj, Khulna, Mongla, Satkhira, Jashore & Rangamati and it may continue.

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

Spatial Distribution of weather parameters for the Week ending 20 April 2021





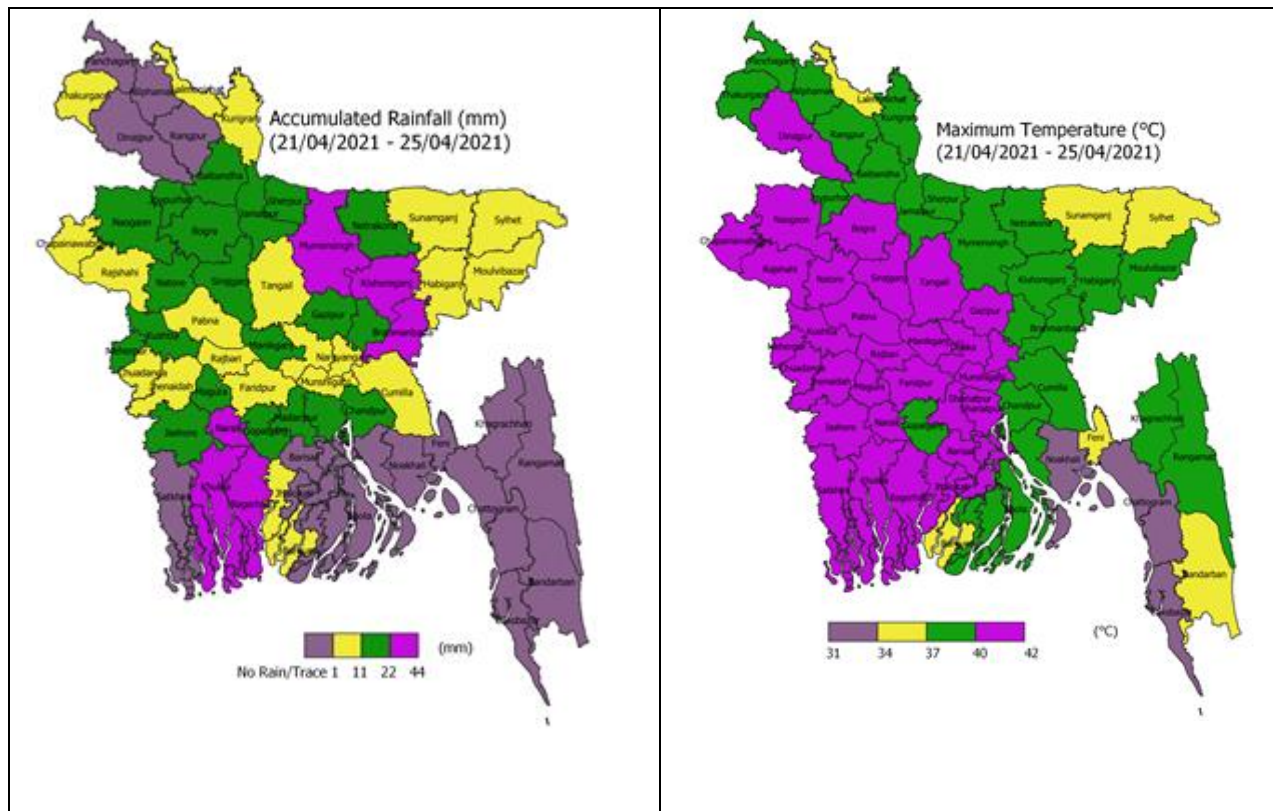


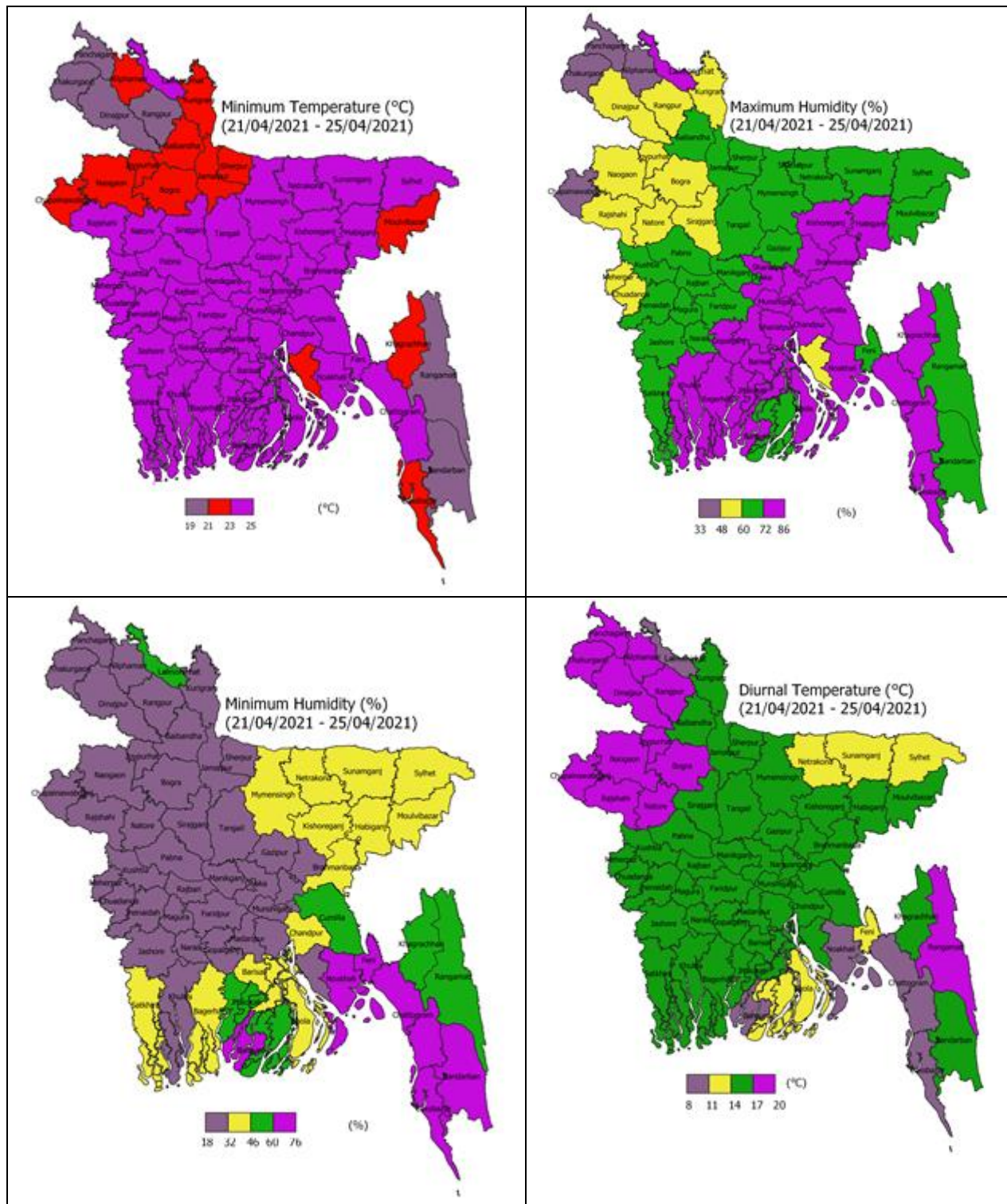
Weather Forecast and Advisory for the Period of 13.04.2021 to 21.04.2021

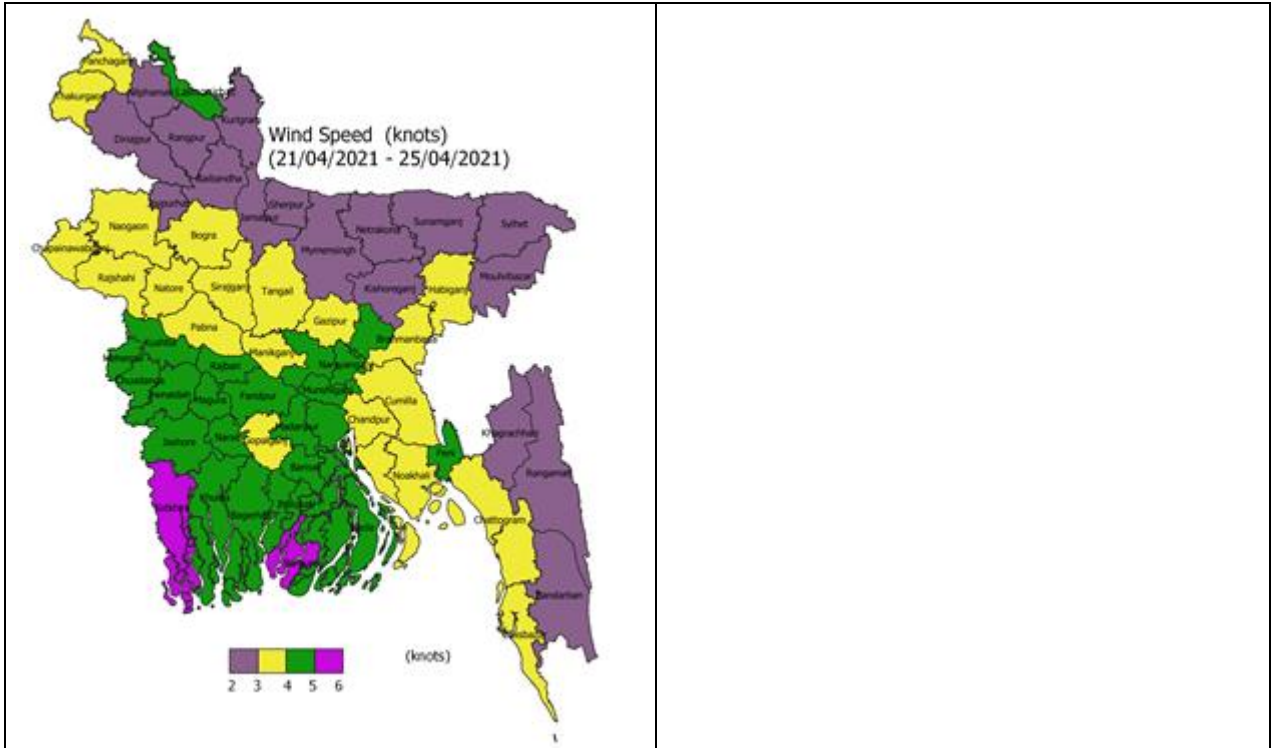
Bright sunshine hour is likely to be from 6.50 to 7.50 hours per day during this week. Average free water loss is likely to be from 3.75 to 4.75 mm per day during this week.

- Rain/thunder showers accompanied by temporary gusty/squally wind is likely to occur at one or two places over Sylhet, Mymensingh, Rangpur & Dhaka divisions and the region of cumilla with isolated hail at places and weather may remain mainly dry with temporary partly cloudy sky elsewhere over the country during the period.
- Day and night temperature may rise slightly over the country during the period

District Wise Quantitative Weather Forecast for next Five days from 21 April-25 April 2021

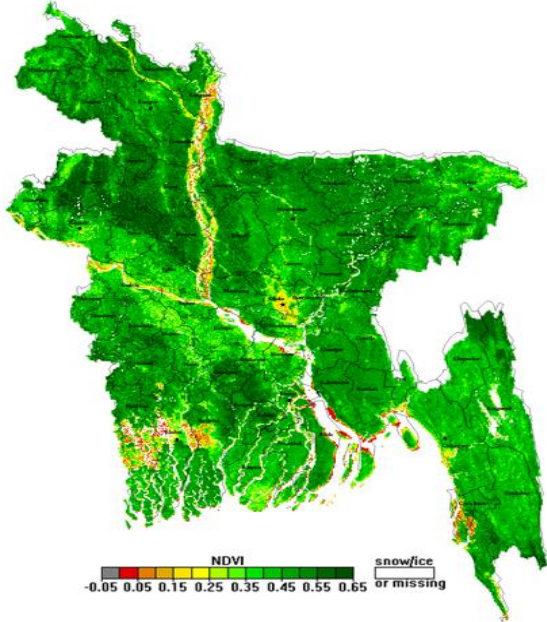




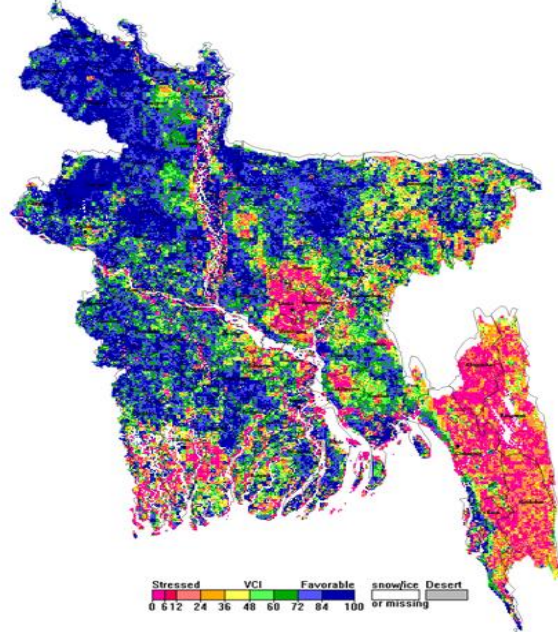


Different Satellite Products over Bangladesh

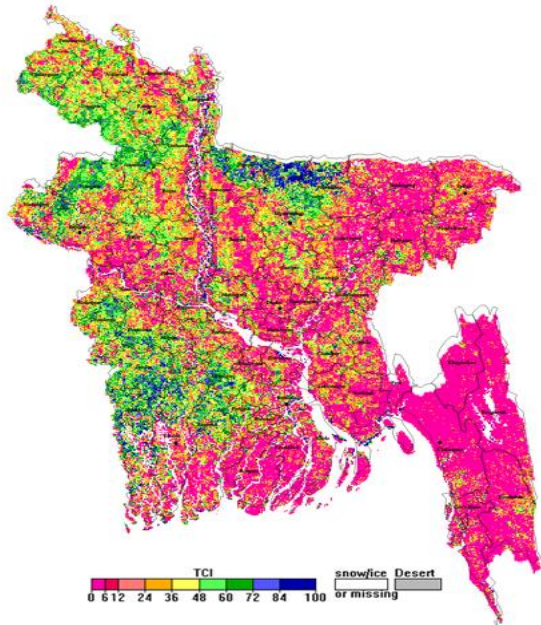
NOAA/VIIRS BLENDED NDVI composite for the week No. 14 (02 April-08 April) over Agricultural regions of Bangladesh



NOAA/ AVHRR BLENDED VCI composite for the week No. 14 (02 April-08 April) over Agricultural regions of Bangladesh



NOAA/ AVHRR BLENDED TCI composite for the week No. 14 (02 April-08 April) over Agricultural regions of Bangladesh



NOAA/ AVHRR BLENDED VHI composite for the week No. 14 (02 April-08 April) over Agricultural regions of Bangladesh

