



NATIONAL AGROMETEOROLOGICAL ADVISORY SERVICE BULLETIN

11 August 2021 (WEDNESDAY)
[FOR THE PERIOD 11.08.2021 – 15.08.2021]



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' light to moderate rain/thunder showers accompanied by temporary gusty wind is likely to occur at many places over Rangpur, Rajshahi, Dhaka, Mymensingh, Khulna, Barishal, Chattogram & Sylhet divisions with moderately heavy to heavy falls at places over the country. Day temperature may fall slightly and night temperature may remain nearly unchanged over the country. As per the outlook issued by BMD for next 72 hours' rainfall activity may increase. During last four days, light rainfall to very heavy rainfall occurred many of the district of the country and as per the quantitative medium range weather forecast; many of the districts of the country are likely to receive Light rainfall to very heavy rainfall in the next five days. Detail Agromet advisory are given below:

Aus:

- Maintain the required water level in the land.
- Insecticides of carbosulfan group can be applied to control thrips, green leaf hopper and Rice Bug insects.
- Catch and kill the insects with hand nets to control the attack of Rice Hispa insects. Apply Carbaryl / Chlorpyrifos group pesticides if there are 4 adult Rice Hispa insects or 35% damaged leaves in each bunch.
- Apply pesticides after current spell of rainfall.
- Drain out the water from the rice field 15 days before harvest.
- Collect mature crops after rains and keep them in a safe place quickly.

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.

- Drain out excess water from the land.
- All the plant protection measure should be taken after the current spell of rainfall.

Jute:

- When the age of jute crop is 110 to 120 days, cut it and make arrangements to drop the leaves and retting them in clean water.

Vegetables

- 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.
- 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.
- Drain out excess water from the land.
- Apply pesticides after current spell of rainfall.

Horticultural crops

- Fruit orchards need to be intercultural operation.
- Sumithion 50 EC of Phenitrothion 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.
- Apply Isoprocarb (MIPC) group pesticide if banana beetle infestation occurs.
- Drain out excess water from the land.
- Apply pesticides after current spell of rainfall.

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 colour is green, store the layer-based fish fry.

Realized Weather at different locations in the country

Rainfall for last 24 hours (till 06 AM on 11 August 2021) and maximum temperature on 10 August and minimum temperature on 11 August 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	14	34.4	26.6	Rajshahi	Rajshahi	73	35.3	25.2
	Tangail	01	33.5	26.4		Ishurdi	04	34.2	26.7
	Faridpur	08	34.2	26.6		Bogura	45	33.6	25.0
	Madaripur	00	34.3	28.0		Badalgachhi	10	33.2	26.6
	Gopalganj	02	33.5	28.6		Tarash	00	34.5	27.5
	Nikli	36	31.6	26.7					
Mymensingh	Mymensingh	02	32.4	27.8	Rangpur	Rangpur	30	34.0	26.5
	Netrokona	06	31.5	27.0		Dinajpur	03	35.0	27.8
						Sayedpur	01	34.8	27.5
Chattogram	Chattogram	26	32.9	25.1	Rangpur	Tetulia	63	33.4	26.3
	Sandwip	10	32.0	27.0		Dimla	06	34.7	27.5
	Sitakunda	19	32.0	25.5		Rajarhat	17	34.0	26.2
	Rangamati	25	31.3	25.1	Khulna	Khulna	00	34.2	28.5
	Cumilla	36	32.5	26.0		Mongla	04	34.3	28.3
	Chandpur	09	33.3	28.4		Satkhira	00	34.0	28.5
	M.Court	00	33.0	27.5		Jashore	Trace	35.6	27.8
	Feni	07	32.2	26.2		Chuadanga	00	34.8	28.0
	Hatiya	00	xx	28.0		Kumarkhali	02	33.5	27.8
	Cox's Bazar	04	32.0	26.5					
Kutubdia	18	32.3	26.6	Barishal	Barishal	15	32.7	26.8	
Teknaf	00	33.0	27.0		Patuakhali	21	32.7	26.8	
					Khepupara	00	34.0	28.7	
Sylhet	Sylhet	85	30.8	25.5	Bhola	64	33.8	27.1	
	Srimangal	00	34.3	26.6					

Highlights:

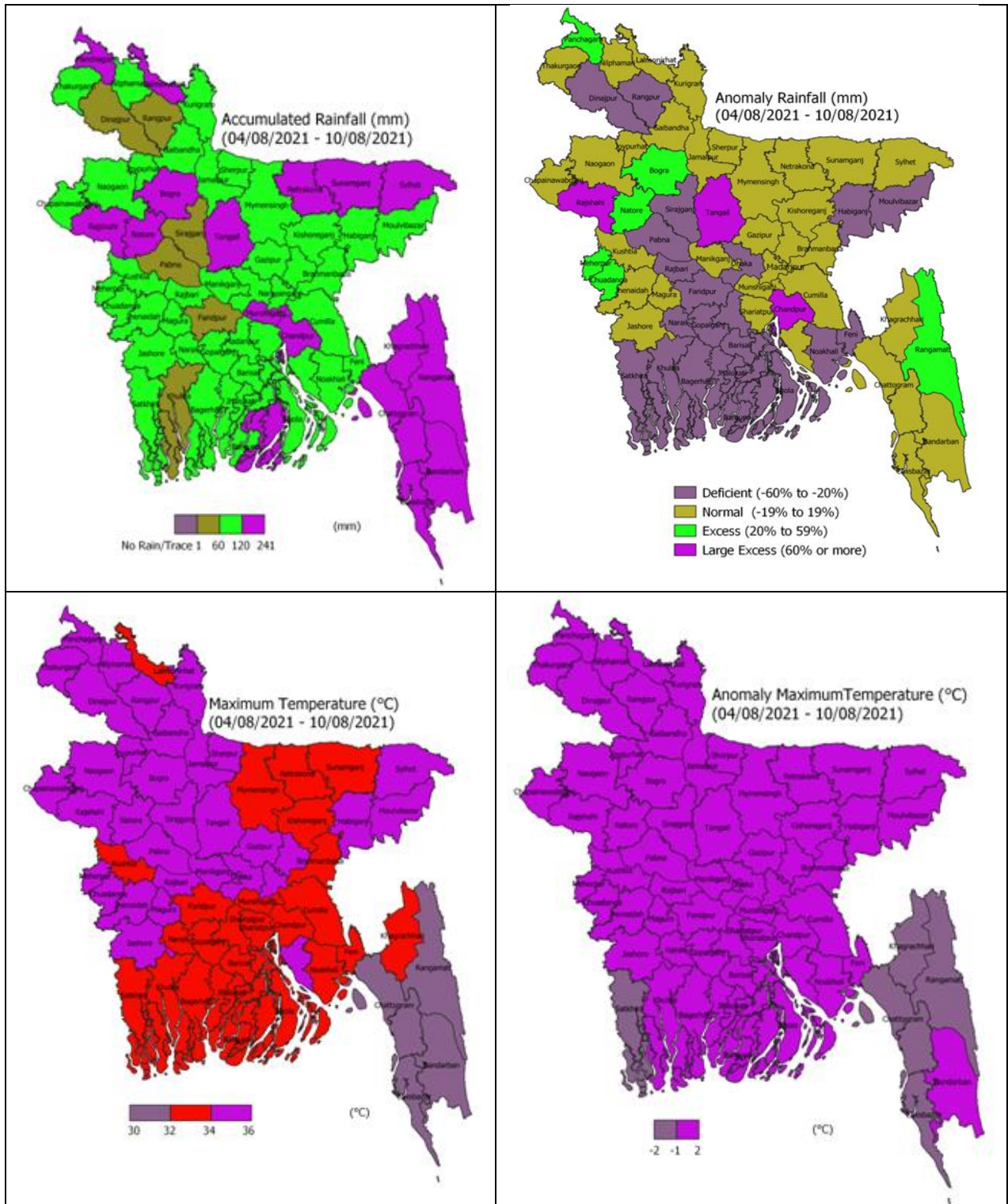
- Country average bright sunshine hour was 3.50 hours per day during last week.
- Country average free water loss during the previous week was 3.00 mm per day.

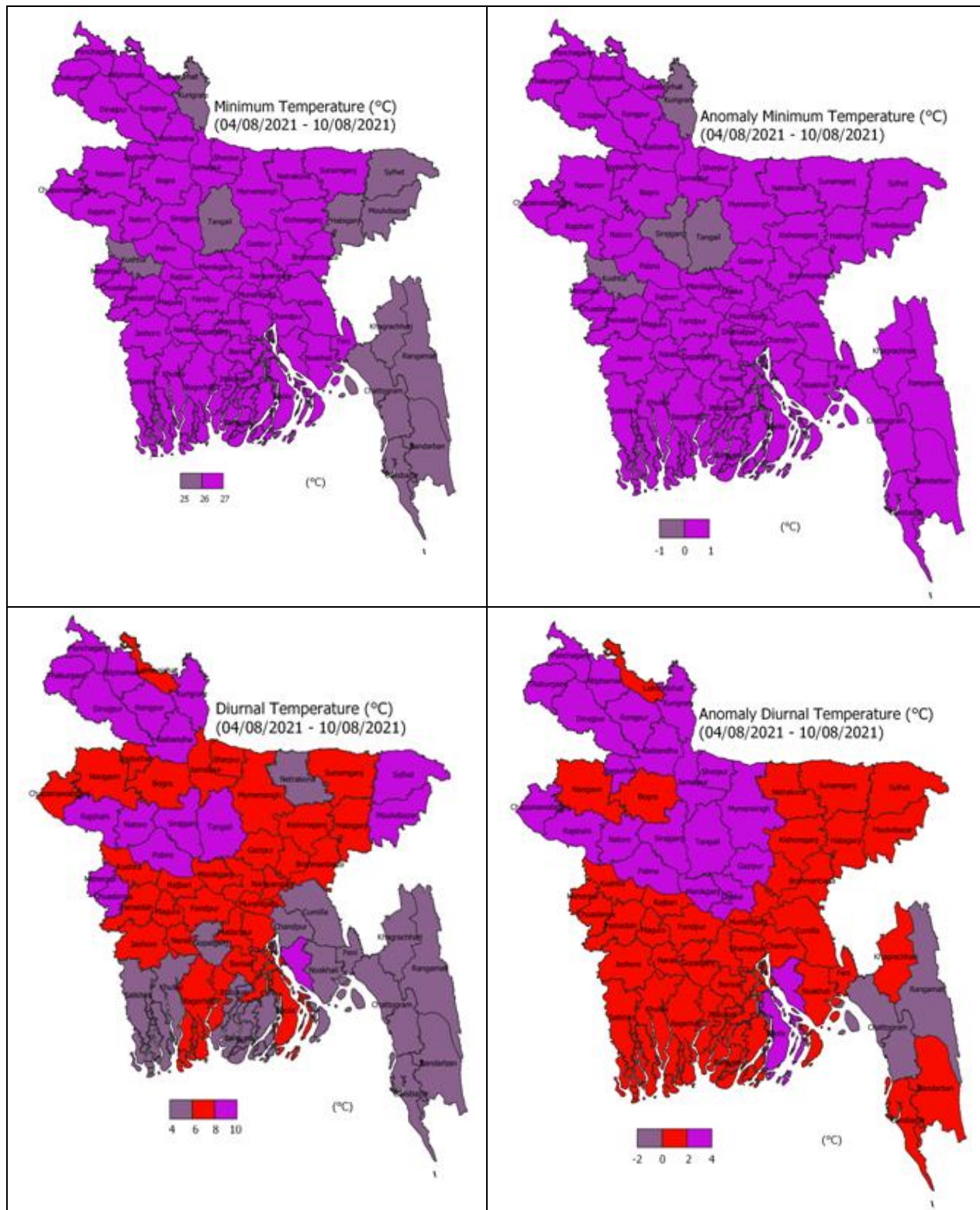
Weather Forecast Valid for 24 Hours commencing 06 PM Today:

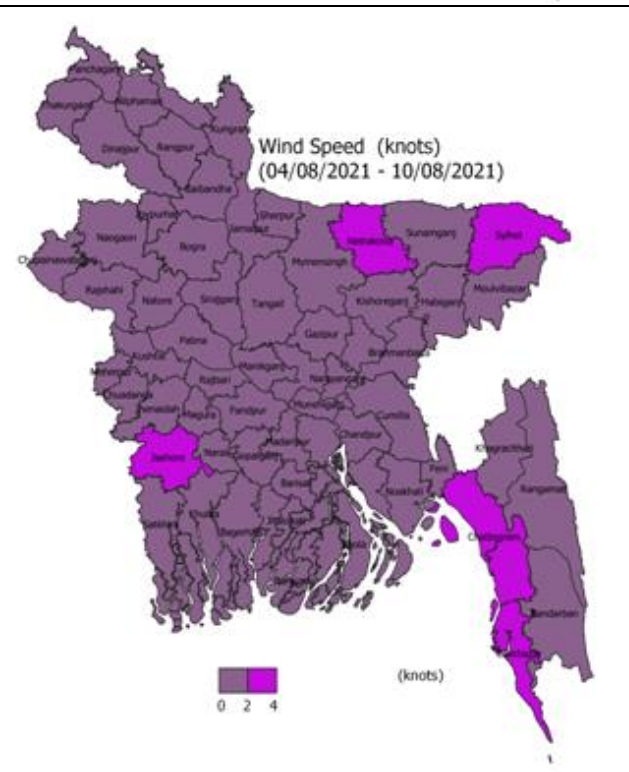
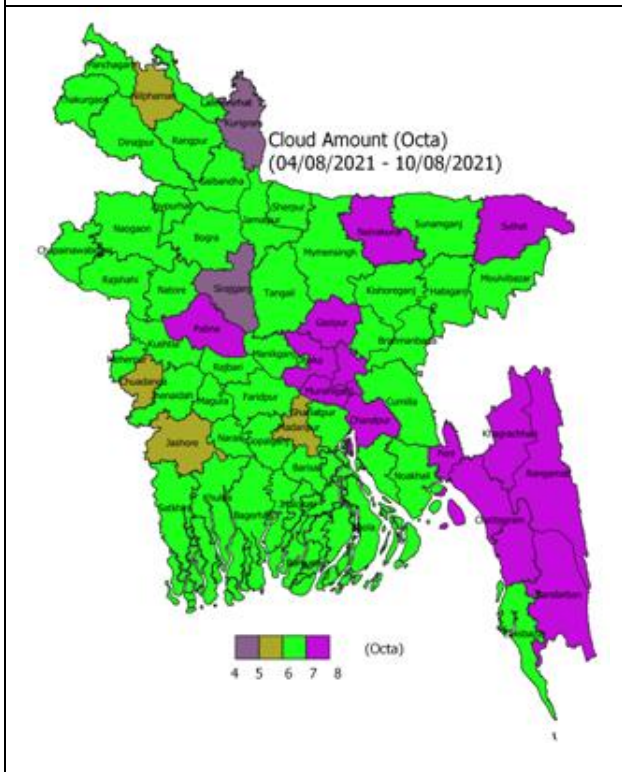
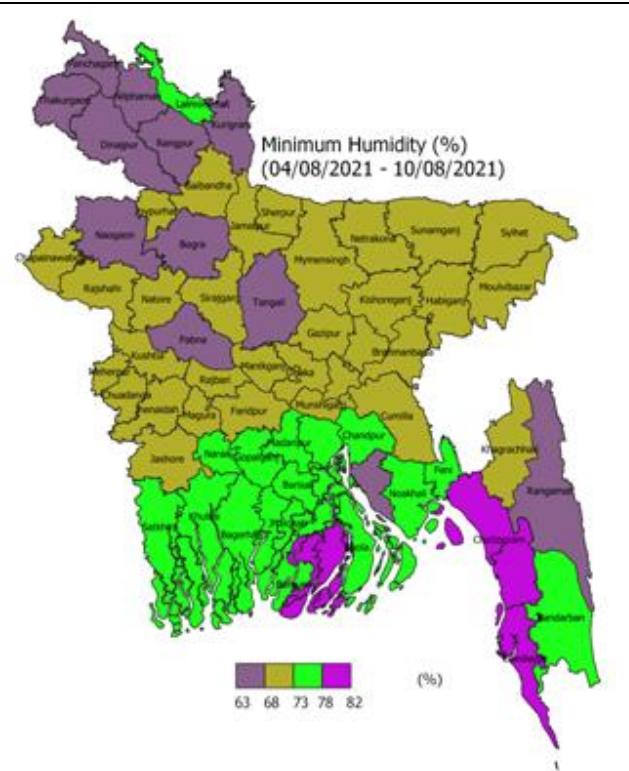
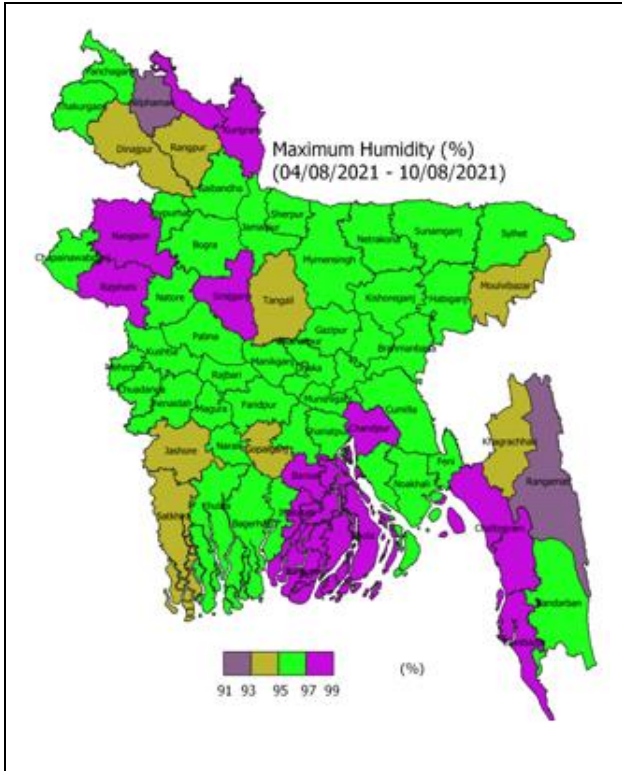
Forecast: Light to moderate rain/thunder showers accompanied by temporary gusty wind is likely to occur at many places over Rangpur, Rajshahi, Dhaka, Mymensingh, Khulna, Barishal, Chattogram & Sylhet divisions with moderately heavy to heavy falls at places over the country.

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

Spatial Distribution of weather parameters for the Week ending 10 August 2021





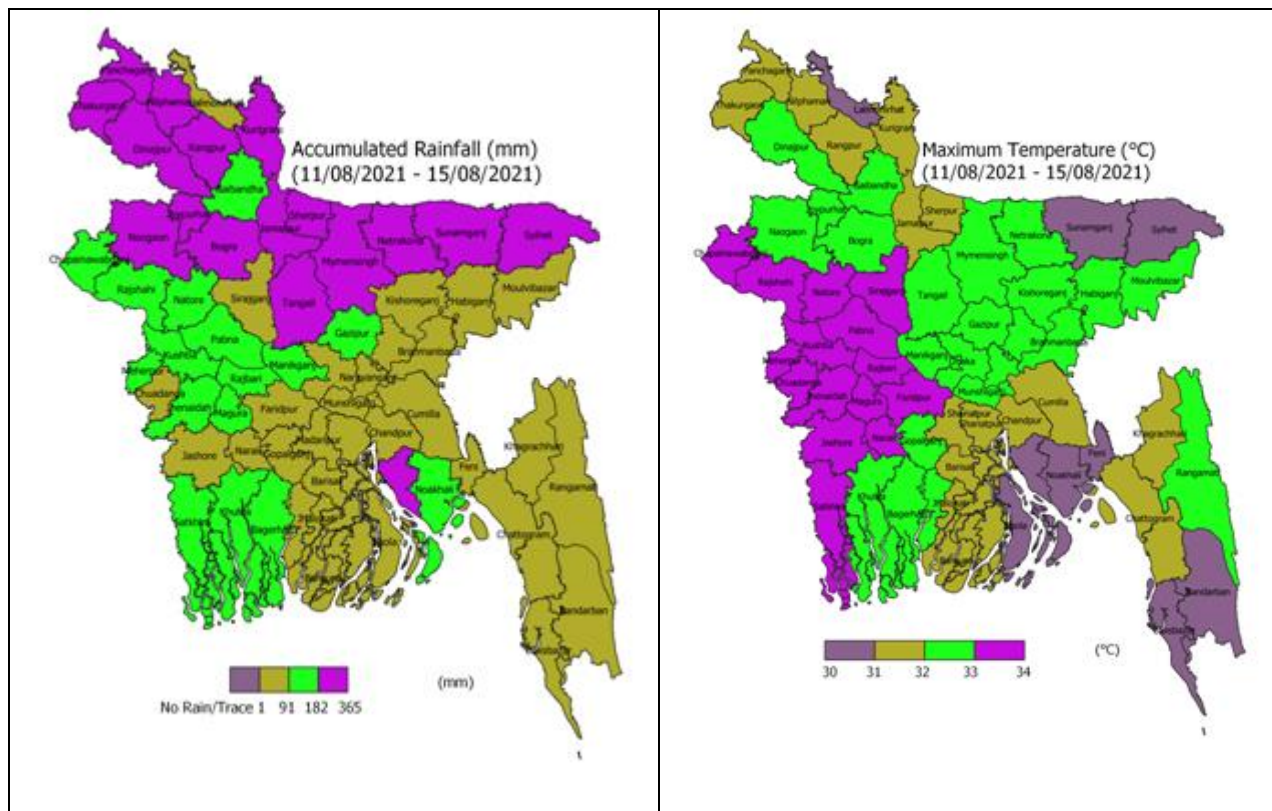


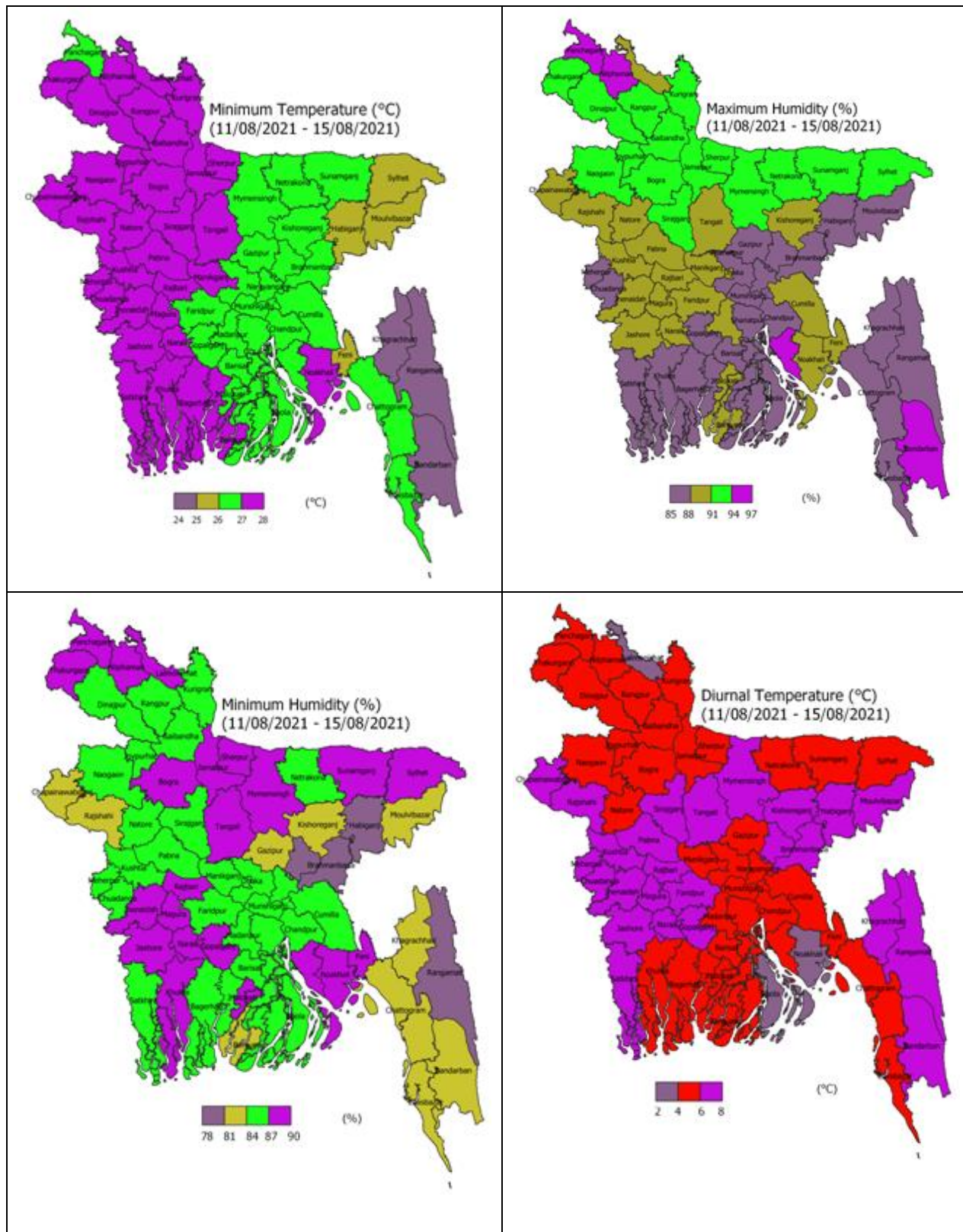
Weather Forecast and Advisory for the Period of 08.08.2021 to 15.08.2021

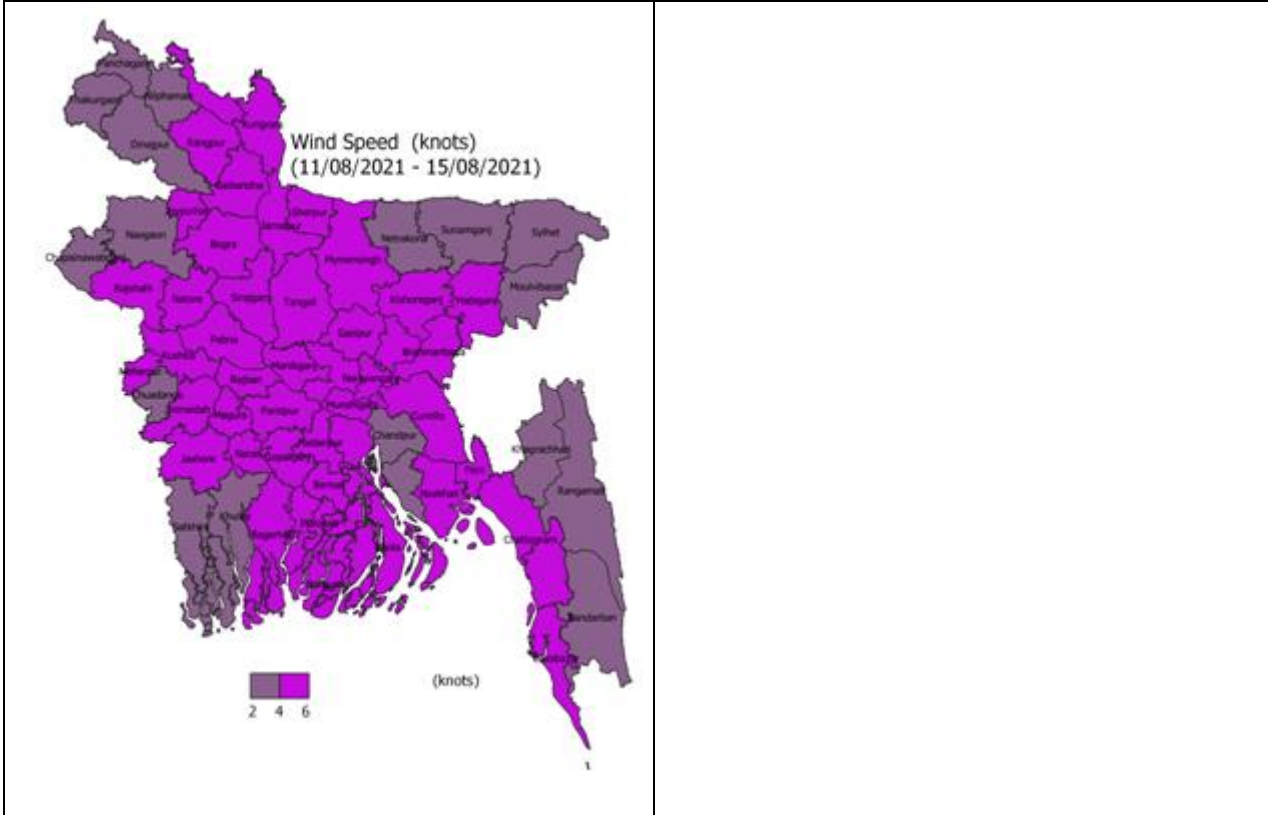
Bright sunshine hour is likely to be from 3.00 to 4.00 hours per day during this week. Average free water loss is likely to be from 2.50 to 3.50 mm per day during this week.

- Light (04-10mm/day) to moderate(11-22mm/day) rain/thunder showers accompanied by temporary gusty wind is likely to occur at most places over Chattogram division, at many places over Rangpur, Mymensingh, Dhaka, Barisal & Sylhet divisions and at a few places over Rajshahi & Khulna divisions with moderately heavy(23-43mm/day) to heavy (44- 88mm/day) falls at places over the country during the Three days of this period. (08- 10August 2021)
- Moderate(11-22mm/day) rain/thunder showers accompanied by temporary gusty wind is likely to occur at most places over Rangpur, Dhaka, Mymensingh, Barishal, Chattogram & Sylhet divisions and at many places over Rajshahi &Khulna divisions with moderately heavy (11-22mm/day) to very heavy(>88mm/day) falls at places over the country during the remaining days of this period. (11-15 August2021)
- Day and night temperature may remain nearly unchanged during the 1st half and it may fall by 1-2°C over the country during the Second half of this period.

District Wise Quantitative Weather Forecast for next Five days from 11 August-15 August 2021

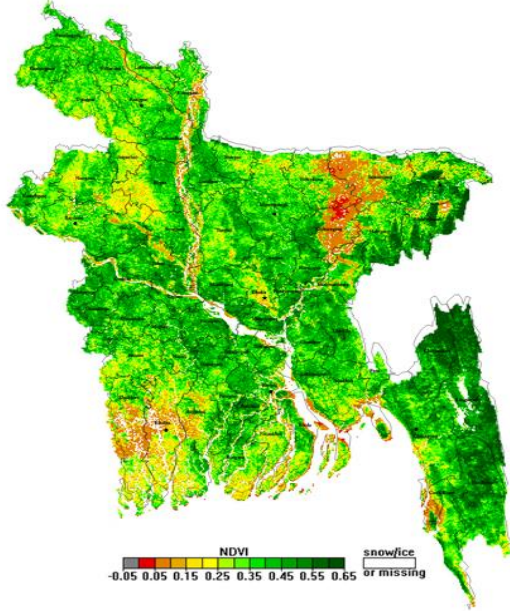




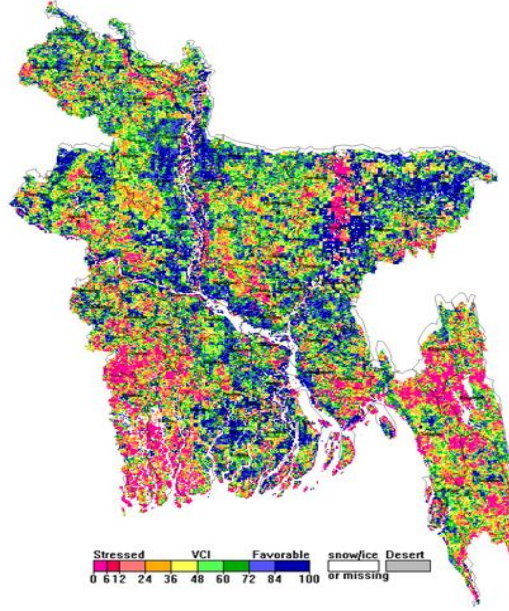


Different Satellite Products over Bangladesh

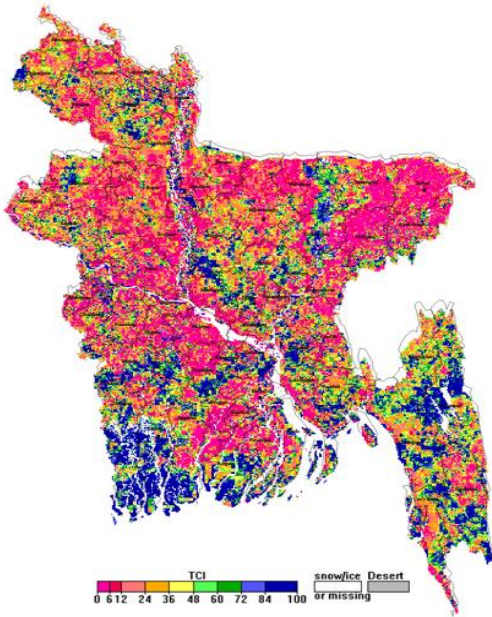
NOAA/VIIRS BLENDED NDVI composite for the week. No. 30 (23 July- 29 July) over Agricultural regions of Bangladesh



NOAA/ AVHRR BLENDED VCI composite for the week No. 30 (23 July- 29 July) over Agricultural regions of Bangladesh



NOAA/ AVHRR BLENDED TCI composite for the week No. 30 (23 July- 29 July) over Agricultural regions of Bangladesh



NOAA/ AVHRR BLENDED VHI composite for the week No. 30 (23 July- 29 July) over Agricultural regions of Bangladesh

