



NATIONAL AGROMETEOROLOGICAL ADVISORY SERVICE BULLETIN

09 June 2021 (WEDNESDAY)
[FOR THE PERIOD 09.06.2021 – 13.06.2021]



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: adamisdo@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' light to moderate rain/thunder showers accompanied by temporary gusty wind is likely to occur at many places over Rangpur, Rajshahi, Khulna & Barishal divisions and at a few places over Dhaka, Mymensingh, Chattogram & Sylhet divisions with moderately heavy to heavy falls at isolated places over the country. Mild heat wave is sweeping over the regions of Faridpur, Rajshahi, Pabna, Sirajgonj & kushtia and it may abate. Day and night temperature may remain nearly unchanged over the country. As per the outlook issued by BMD for next 72 hours' a low pressure area is likely to form over north Bay. During last four days, light to very heavy rainfall occurred most of the district 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 very heavy rainfall in the next five days. Detail Agromet advisory are given below:

Boro paddy

Ripening to Harvesting stages

- Drain out water from crop field 15 days before harvesting.
- Continue harvesting the crops on non-rainy days. After the harvest, immediately keep it in safe and dry place for drying of grains.

Jute:

- Drain out water, if any, immediately from jute field
- At this time scorpion insect attack can be seen. In the first stage of attack, when the insects are grouped on the leaf, the leaf including the insect should be lifted and trampled, pressed in the hole or dipped in water mixed with kerosene.

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 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.
- 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 color 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 09 June 2021) and maximum temperature on 08 June and minimum temperature on 09 June 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	10	30.1	25.1	Rajshahi	Rajshahi	00	36.0	26.6
	Tangail	03	32.5	26.0		Ishurdi	00	34.0	27.0
	Faridpur	01	31.3	26.2		Bogura	55	32.7	25.4
	Madaripur	05	29.8	25.0		Badalgachhi	xx	xx	xx
	Gopalganj	00	30.7	26.6		Tarash	00	32.5	27.0
	Nikli	05	30.0	26.2		Rangpur	Rangpur	01	31.8
Mymensingh	Mymensingh	00	30.7	26.5	Dinajpur		16	33.5	24.5
	Netrokona	01	30.5	24.0	Sayedpur		26	32.4	24.5
Chattogram	Chattogram	00	31.8	26.0	Tetulia		111	30.3	23.0
	Sandwip	01	31.5	26.0	Dimla		00	29.7	24.5
	Sitakunda	02	31.7	25.5	Rajarhat		00	30.3	24.4
	Rangamati	04	30.5	25.0	Khulna	Khulna	00	31.2	27.0
	Cumilla	25	28.5	25.4		Mongla	03	31.2	26.3
	Chandpur	20	28.5	25.4		Satkhira	00	33.3	26.0
	M.Court	00	28.6	26.2		Jashore	00	35.0	26.8
	Feni	02	30.0	25.8		Chuadanga	39	34.2	26.3
	Hatiya	xx	xx	xx		Kumarkhali	00	32.5	26.3
	Cox's Bazar	00	31.2	25.5	Barishal	Barishal	13	27.8	25.4
Kutubdia	00	33.2	26.8	Patuakhali		17	28.4	25.4	
Teknaf	00	31.8	26.2	Khepupara		06	29.9	26.1	
Sylhet	Sylhet	Trace	27.4	25.5	Bhola	15	28.7	25.5	
	Srimangal	Trace	30.5	25.5					

Highlights:

- Country average bright sunshine hour was 4.30 hours per day during last week.
- Country average free water loss during the previous week was 3.00 mm per day.

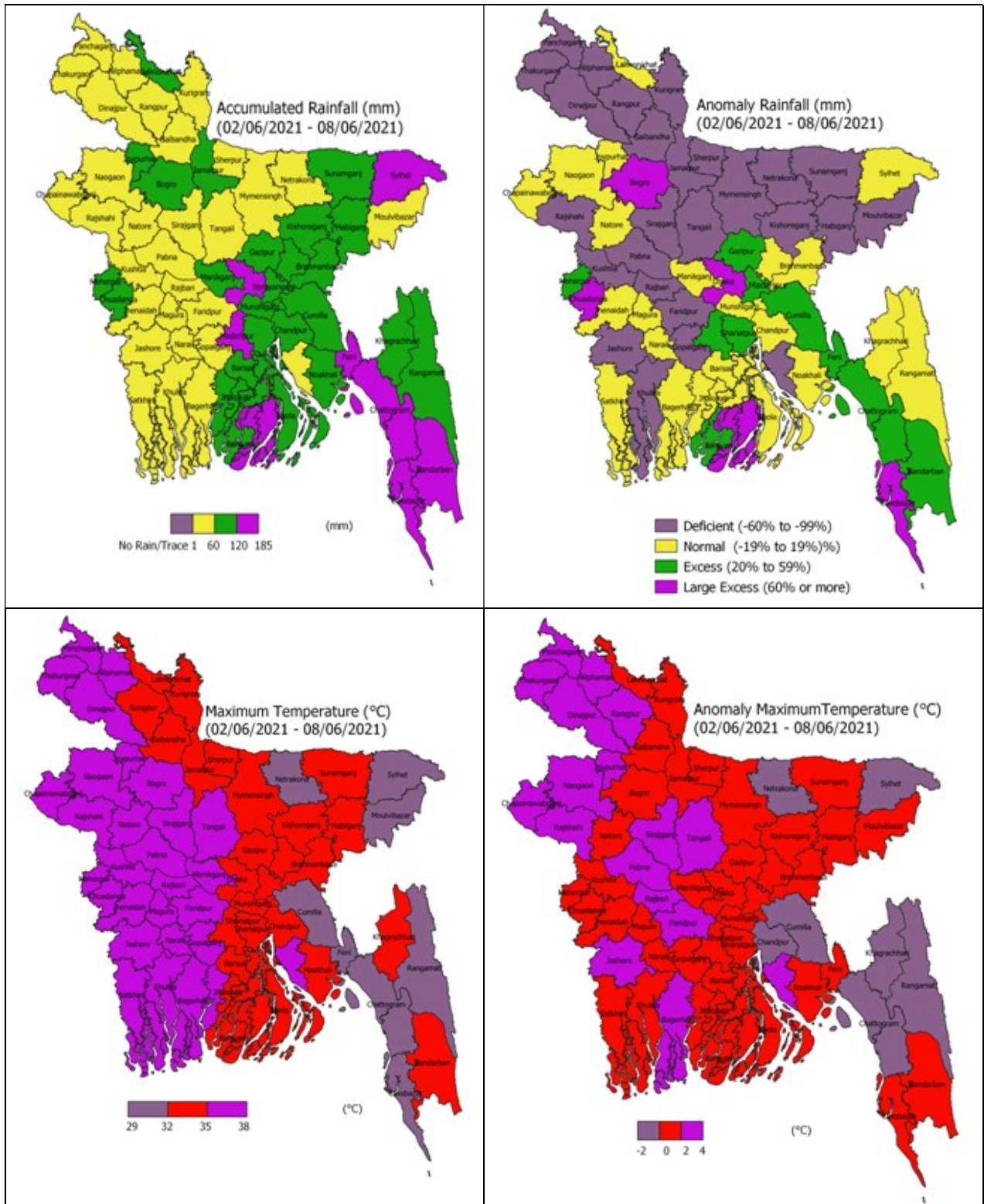
Weather Forecast Valid for 24 Hours commencing 06 PM Today:

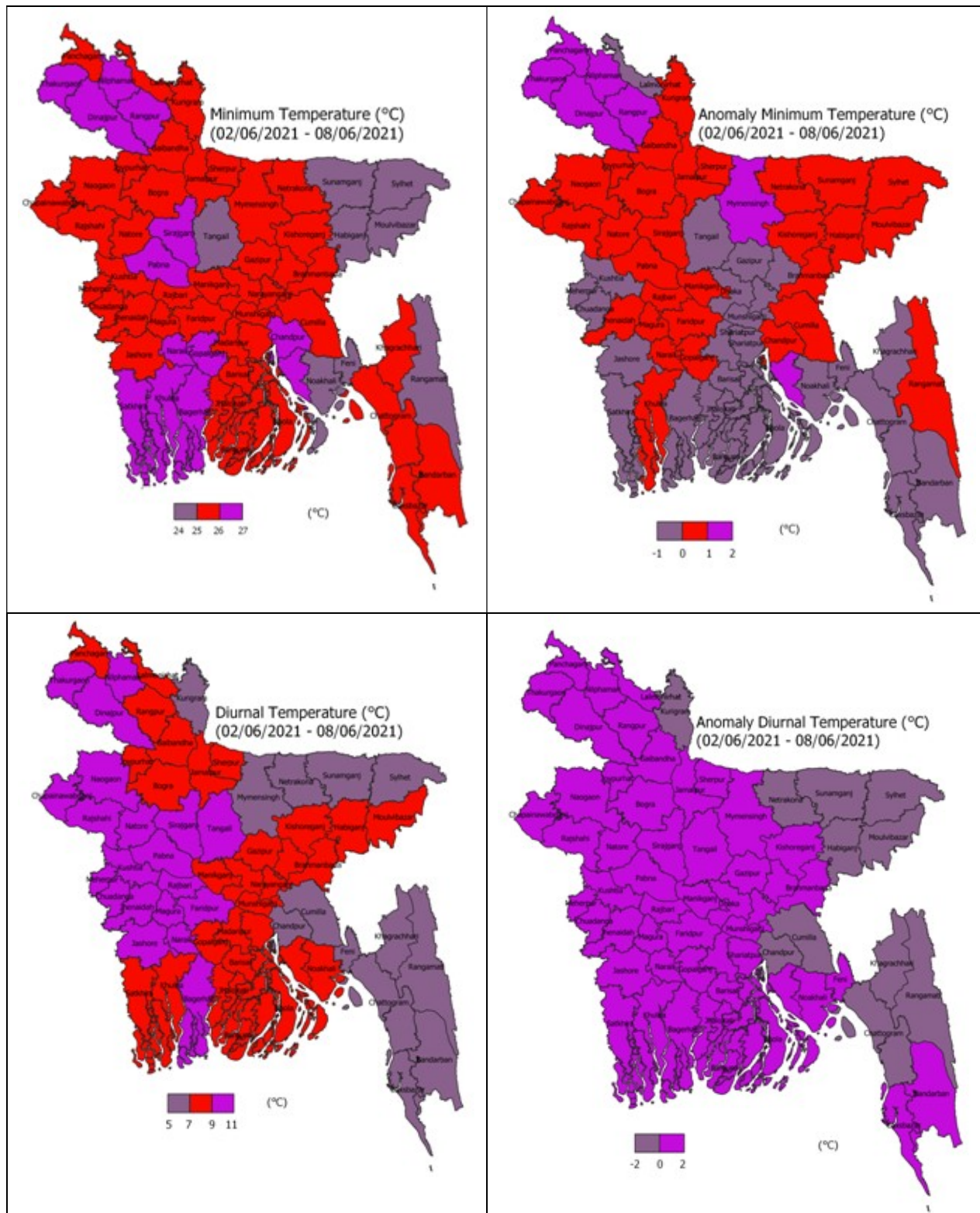
Forecast: Light to moderate rain/thunder showers accompanied by temporary gusty wind is likely to occur at many places over Rangpur, Rajshahi, Khulna & Barishal divisions and at a few places over Dhaka, Mymensingh, Chattogram & Sylhet divisions with moderately heavy to heavy falls at isolated places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

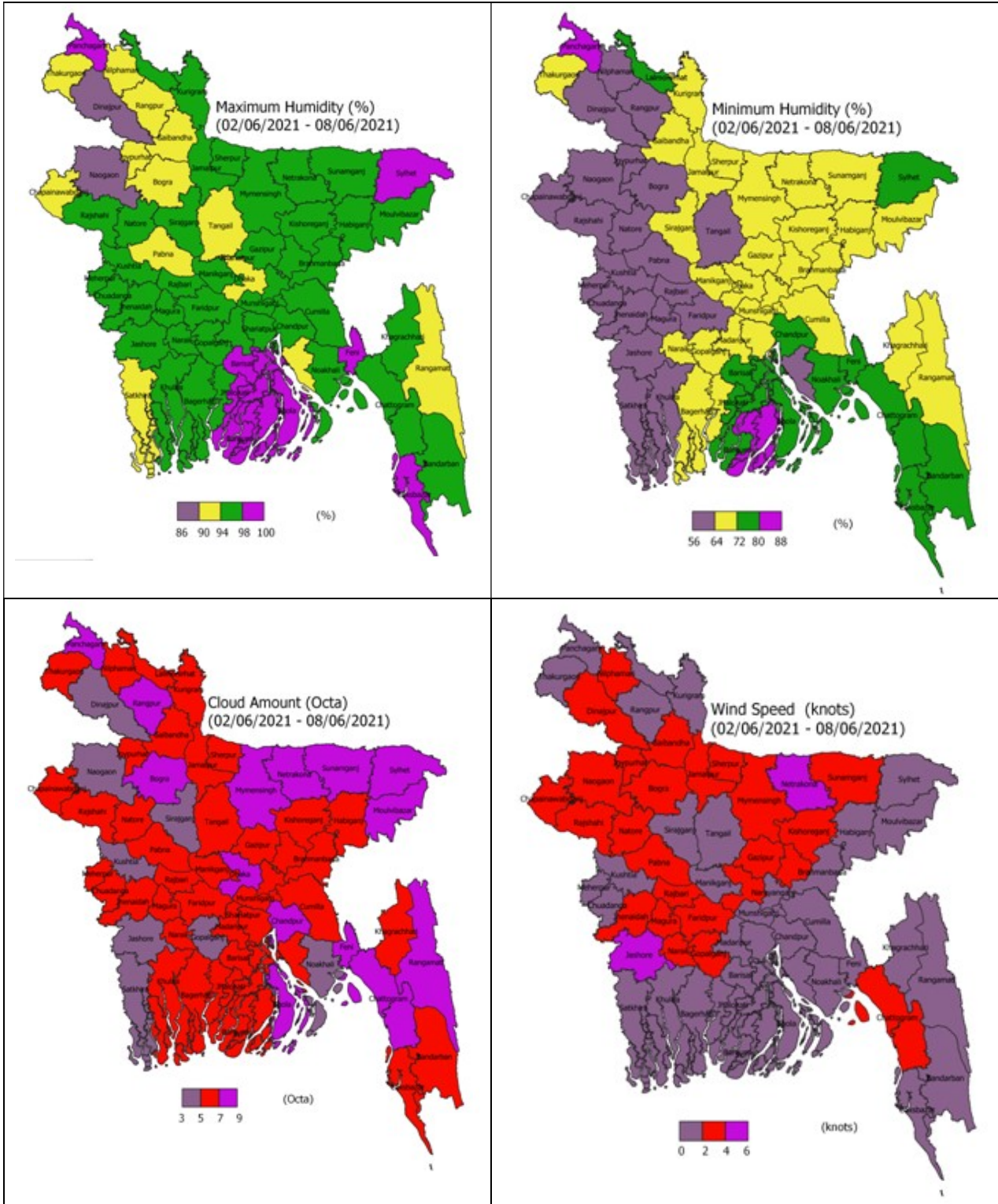
Heat wave: Mild heat wave is sweeping over the regions of Faridpur, Rajshahi, Pabna, Sirajgonj & kushtia and it may abate.

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

Spatial Distribution of weather parameters for the Week ending 08 June 2021





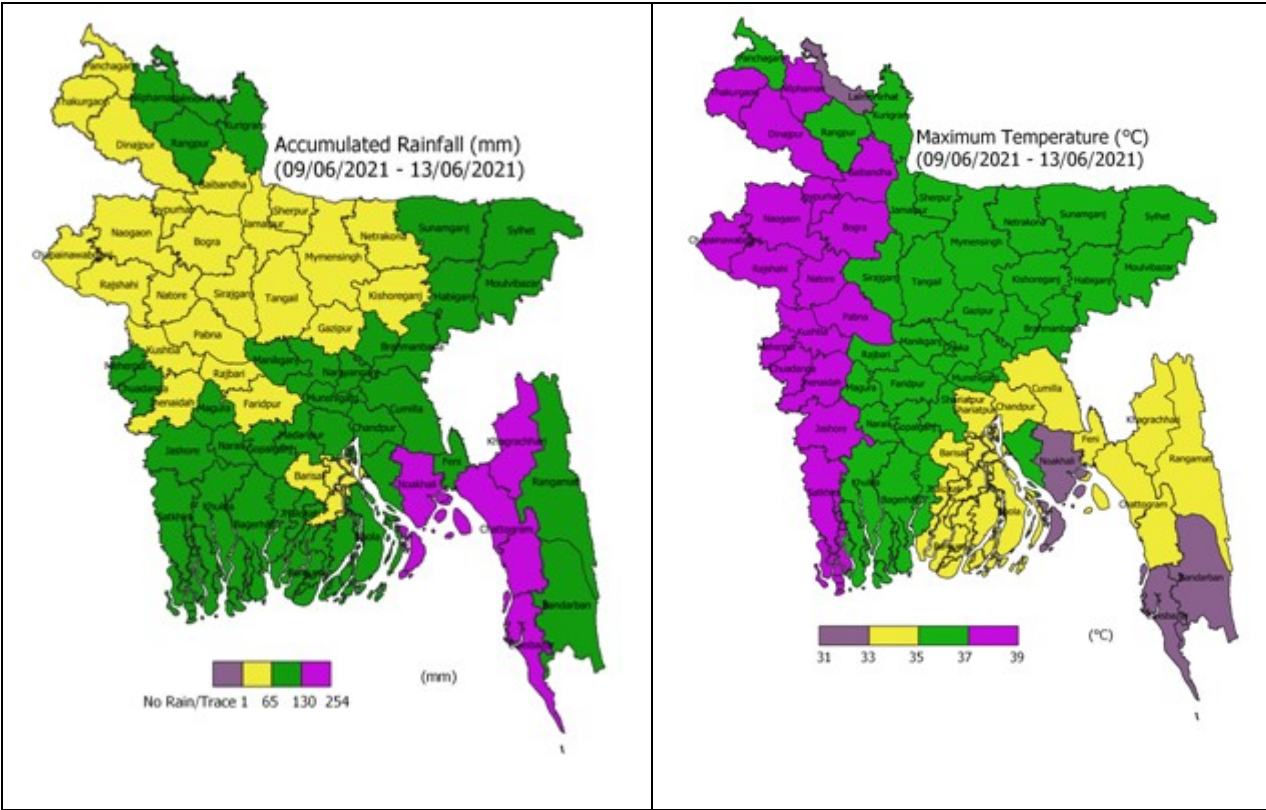


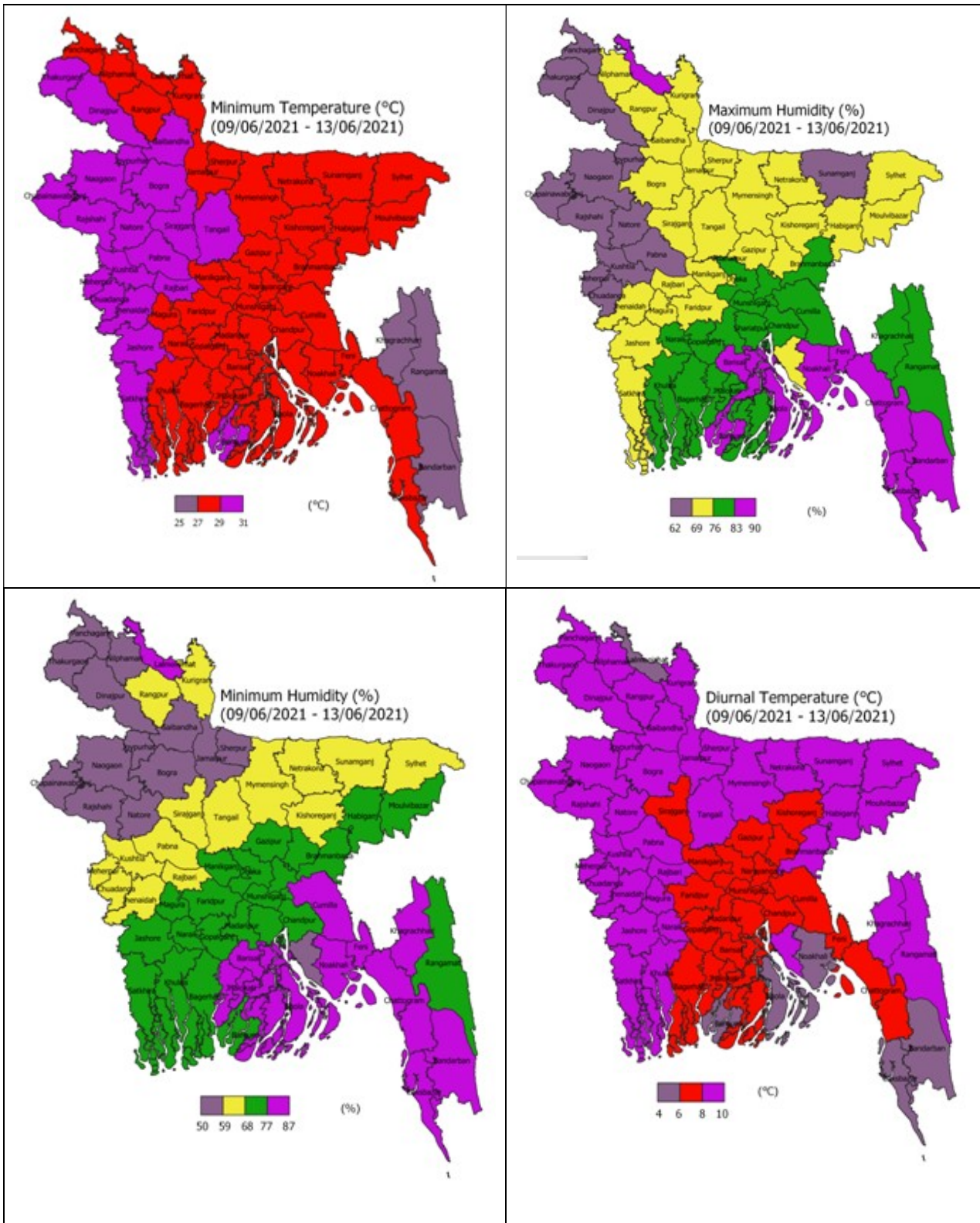
Weather Forecast and Advisory for the Period of 08.06.2021 to 14.06.2021

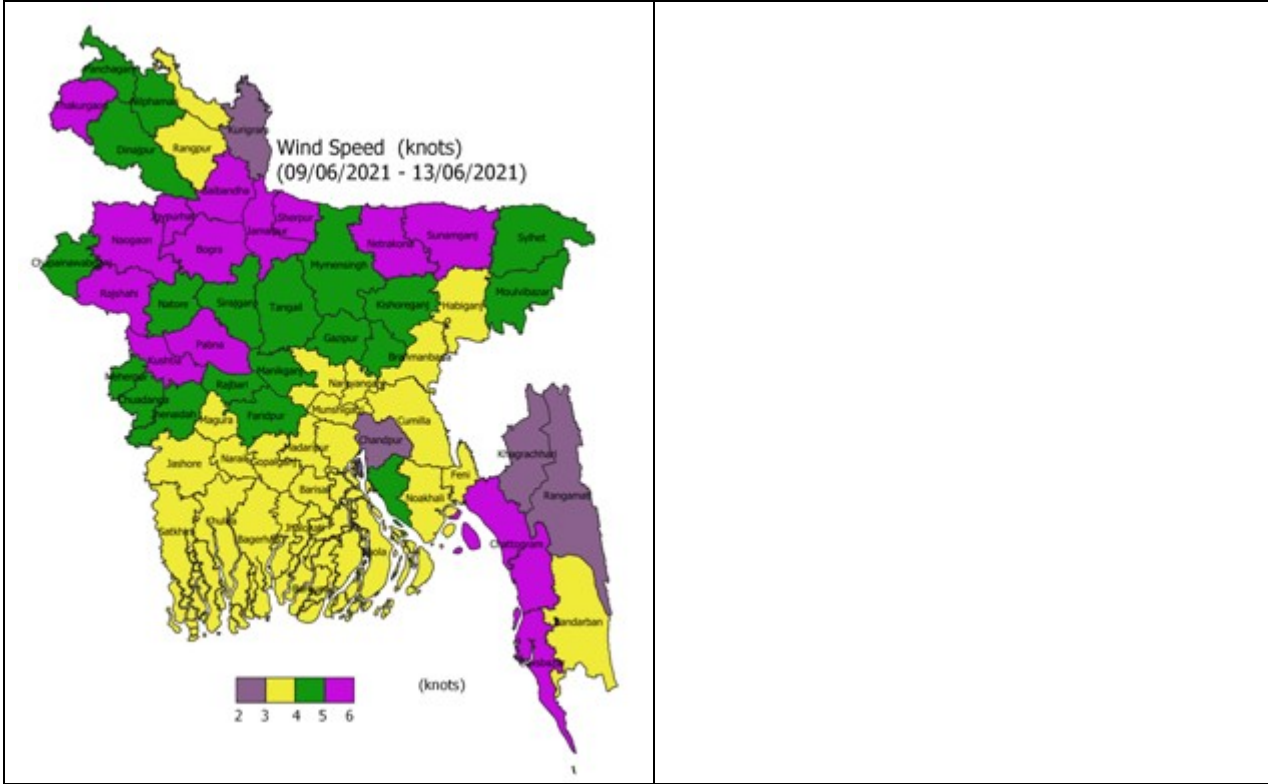
Bright sunshine hour is likely to be from 3.00 to 4.00 hours per day during this week. Average free water loss is likely to be from 3.00 to 4.00 mm per day during this week.

- Light (04-10 mm/d) to moderate (11-22 mm/d) rain/thunder showers accompanied by temporary gusty/squally wind is likely to occur at most places over Dhaka, Mymensingh, Sylhet, Chattogram, Khulna & Barishal divisions and at many places over Rajshahi & Rangpur divisions with moderately heavy (23-43 mm/d) to heavy (44-88 mm/day) falls at places over the country during this period.
- Day and night temperature may fall slightly over the country during the period.

District Wise Quantitative Weather Forecast for next Five days from 09 June-13 June 2021

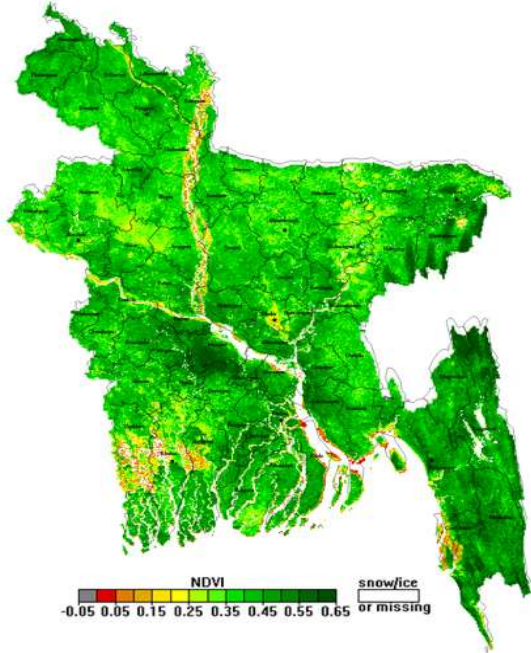




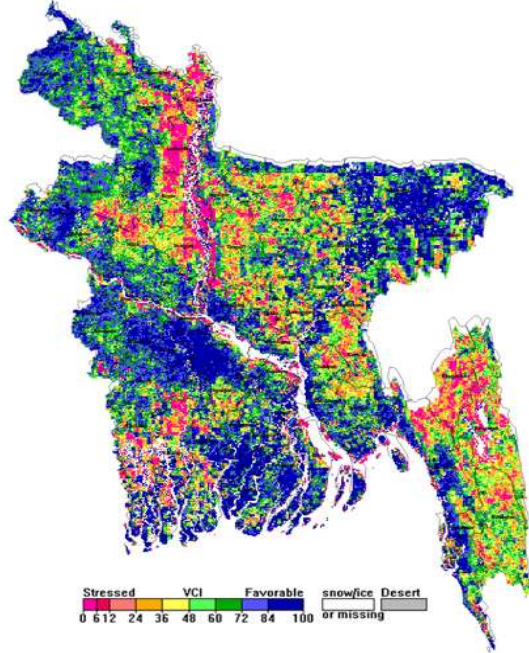


Different Satellite Products over Bangladesh

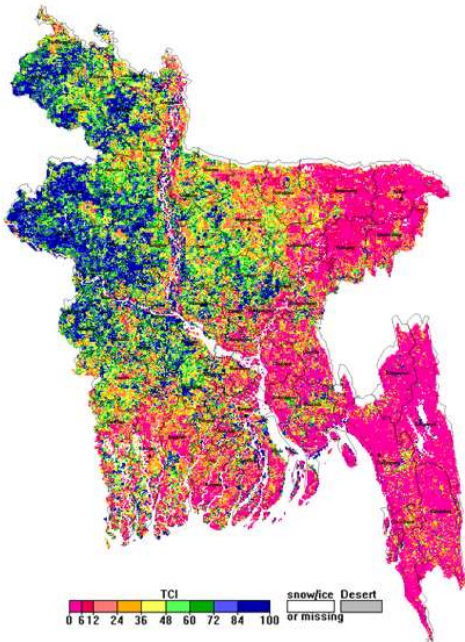
NOAA/VIIRS BLENDED NDVI composite for the week. No. 21 (21 May-27 May) over Agricultural regions of Bangladesh



NOAA/ AVHRR BLENDED VCI composite for the week No. 21 (21 May-27 May) over Agricultural regions of Bangladesh



NOAA/ AVHRR BLENDED TCI composite for the week No. 21 (21 May-27 May) over Agricultural regions of Bangladesh



NOAA/ AVHRR BLENDED VHI composite for the week No. 21 (21 May-27 May) over Agricultural regions of Bangladesh

