



NATIONAL AGROMETEOROLOGICAL ADVISORY SERVICE BULLETIN

**21 September 2022 (WEDNESDAY)
[FOR THE PERIOD 21.09.2022 – 25.09.2022]**



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.

ISSUED BY

Agro-Meteorological Information Systems
Development Project
Department of Agricultural Extension (DAE)
Ministry of Agriculture
In collaboration with Bangladesh
Meteorological Department

Agromet Advisories

According to the extended range forecast, there is no possibility of enough rainfall in any district of the country in the next five days. The following agromet advice is provided in these circumstances:

Rice Aman

- Apply irrigation.
- Maintain 5-7 cm land water level.
- Present weather condition is congenial for **Yellow Stem borer** infestation. Apply Carbofuran @10kg per ha.

Vegetable

- Prepare seed bed for growing winter vegetables in advance.
- Cauliflower, Cabbage can be cultivated in well-drained land.
- Eggplant may be attacked by tip and fruit borer under current weather conditions. For control, cut off and destroy infested tips along with the insects. Insect breeding can be greatly reduced by using pheromone traps. Use spray of approval dose of insecticides, if necessary or recommended local organic insecticides may be used.
- Peppers may be attacked by mite under current weather conditions. To control mite, soak one kg of semi-broken neem seeds in 20 liters of water for 24 hours and spray the water (after chopping) on the underside of the leaves. If the attack is heavy, wet spray the leaves with insecticide Omite 57EC at the rate of 2.0 ml per liter of water or Vertimek 1.8EC at the rate of 12 ml per 10 liters of water.
- Apply Irrigation.

Horticultural

- Coconut trees may be attacked by mite under current weather condition. In case of attack, all young coconut of affected trees should be cut down and burnt. Infected trees and nearby young trees should be sprayed with any mite repellent such as Omite 57 EC mixed in 1.5 ml of one liter of water.
- Symptoms of Sigatoka disease may appear on banana leaves under current weather conditions. For control, spray 2-3 times every 15-20 days by mixing 0.5 ml score or 2 g Noin or Bavistin or 0.1 ml Econazole/Folicor per liter of water.
- Apply Malathion or Diazinon 60 EC or Libacid 50 EC at approved doses in case of banana beetle infestation under current weather condition.
- Papaya plants may be attacked by milli bugs under current weather conditions. In early stages of attack, the affected leaves/stems along with the insects should be collected and destroyed. If the attack is more, spray 2-3 times after 15 days by mixing 5 grams of soapy water or 0.25 ml of Edmair 200 ml per liter of water.
- Apply Irrigation.

Livestock

- Keep the cowshed clean and dry
- Feed them only dry food
- Use disinfectants such as bleaching powder in cowshed
- Cattle should not be allowed in waterlogged fields
- If wound found at foot and mouth wash the wound with potassium permanganate solution.
- If any disease symptoms appear, seek veterinary advice immediately for appropriate treatment.

Poultry

- Provide deworming.
- Spray the disinfectant in the poultry house and then keep the chicken.
- Provide dry food and clean drink water.

Fishery

- Repair damaged dykes of fisheries ponds or surround it with netting and takes care so that fishes do not escape.
- Remove the unwanted fishes before new fingerling in the fish pond.
- 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 06 AM on 21 September 2022) and maximum temperature on 20 September and minimum temperature on 21 September 2022 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	33.0	27.3	Chattogram	Chattogram	00	33.3	25.6
	Tangail	Trace	34.0	26.5		Sandwip	Trace	32.0	26.3
	Faridpur	01	32.1	26.2		Sitakunda	00	33.5	25.5
	Madaripur	11	32.3	26.2		Rangamati	00	33.5	25.0
	Gopalganj	01	32.0	26.7		Cumilla	00	32.2	25.5
	Nikli	00	33.5	26.7		Chandpur	00	33.2	26.2
Rajshahi	Rajshahi	Trace	34.7	26.5		M.Court	02	32.0	25.8
	Ishurdi	00	33.9	25.4		Feni	00	33.0	25.0
	Bogura	02	33.5	26.5		Hatiya	20	31.2	25.8
	Badalgachhi	00	32.6	26.1		Cox's Bazar	02	31.0	25.8
	Tarash	00	33.0	26.8		Kutubdia	00	31.8	25.0
						Teknaf	18	28.7	25.0
Rangpur	Rangpur	00	34.0	26.5	Khulna	Khulna	05	32.5	26.5
	Dinajpur	00	33.5	26.6		Mongla	09	32.1	26.0
	Sayedpur	00	<u>35.5</u>	26.0		Satkhira	17	32.0	26.2
	Tetulia	00	34.0	26.0		Jashore	03	32.8	25.8
	Dimla	00	33.7	26.8		Chuadanga	00	33.7	26.5
	Rajarhat	00	33.6	<u>24.5</u>		Kumarkhali	00	33.2	26.0
Mymensingh	Mymensingh	00	32.5	26.9	Barishal	Barishal	<u>22</u>	31.4	26.0
	Netrokona	01	32.1	26.6		Patuakhali	09	31.4	26.5
Sylhet	Sylhet	00	34.8	26.5		Khepupara	10	31.5	26.3
	Srimangal	00	34.5	25.2		Bhola	05	31.6	26.2

Highlights:

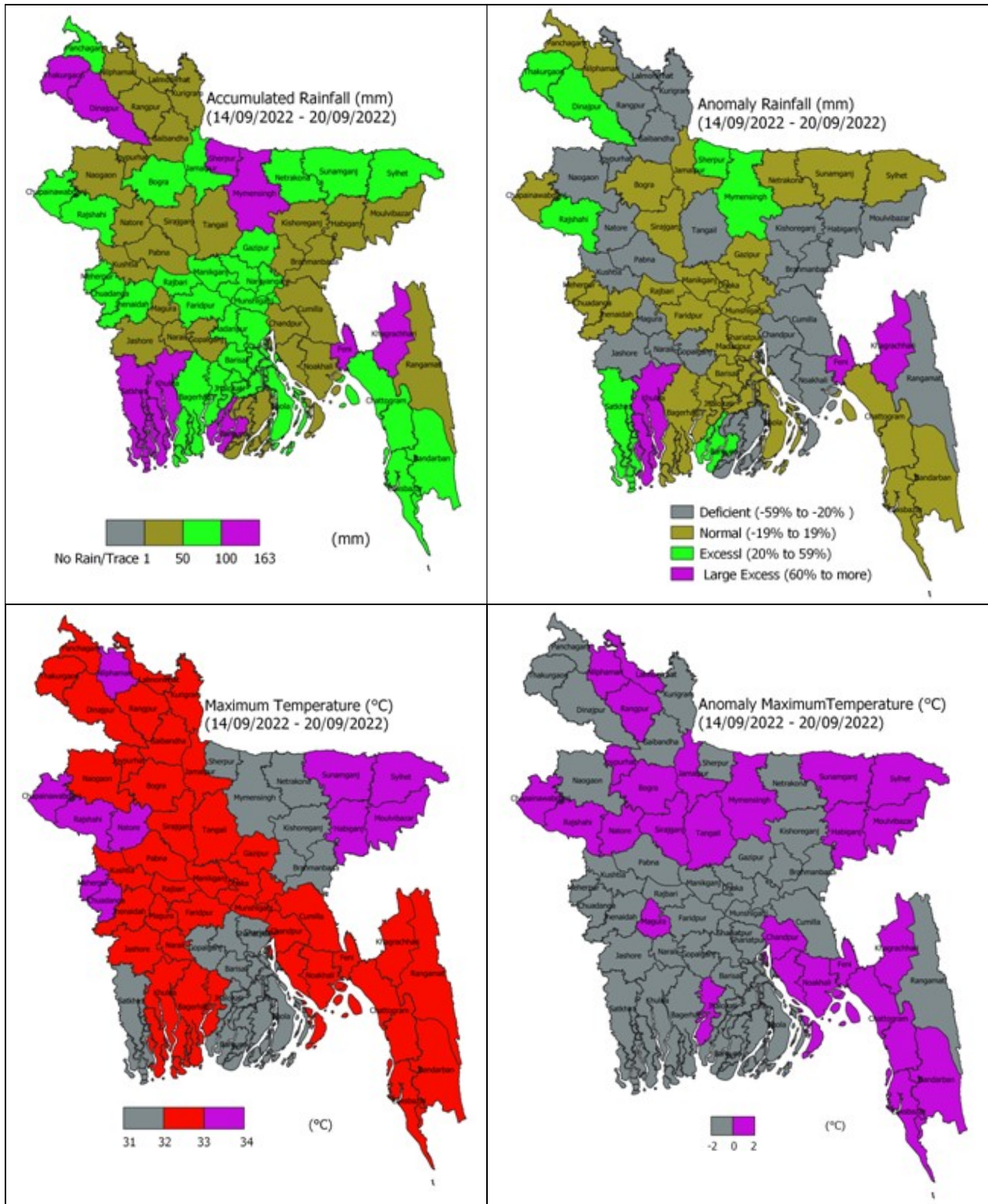
- Country average bright sunshine hour was 3.91 hours per day during last week.
- Country average free water loss during the previous week was 3.04 mm per day.

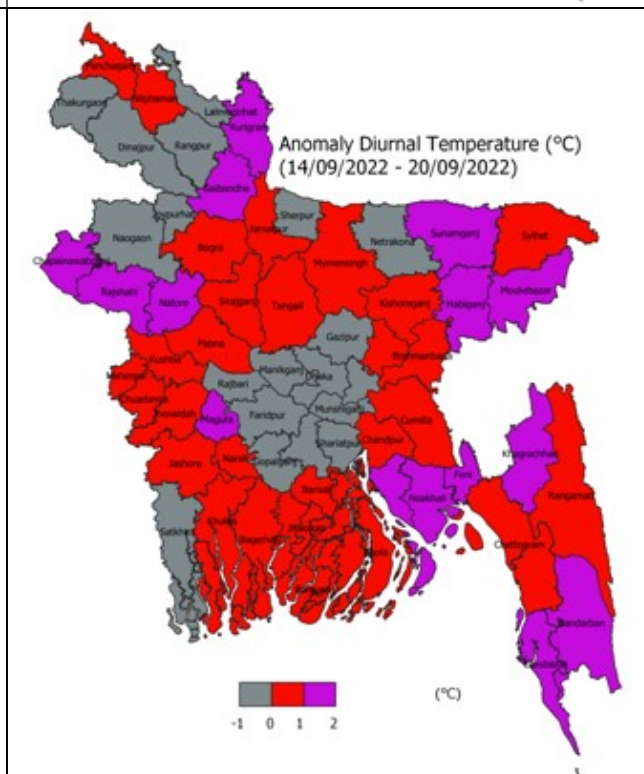
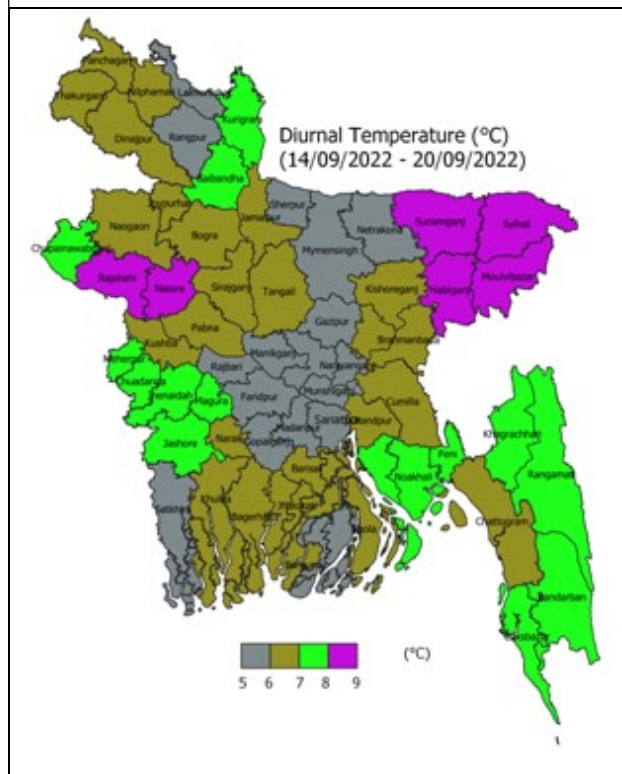
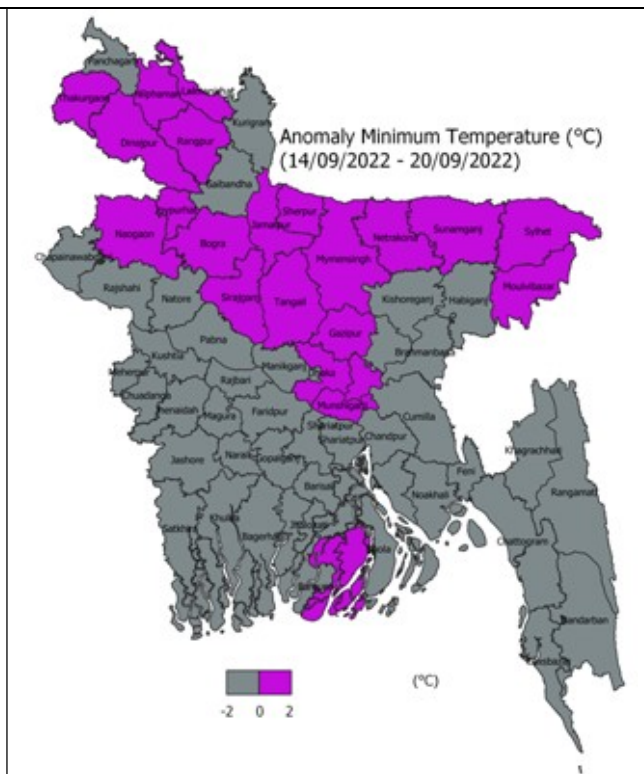
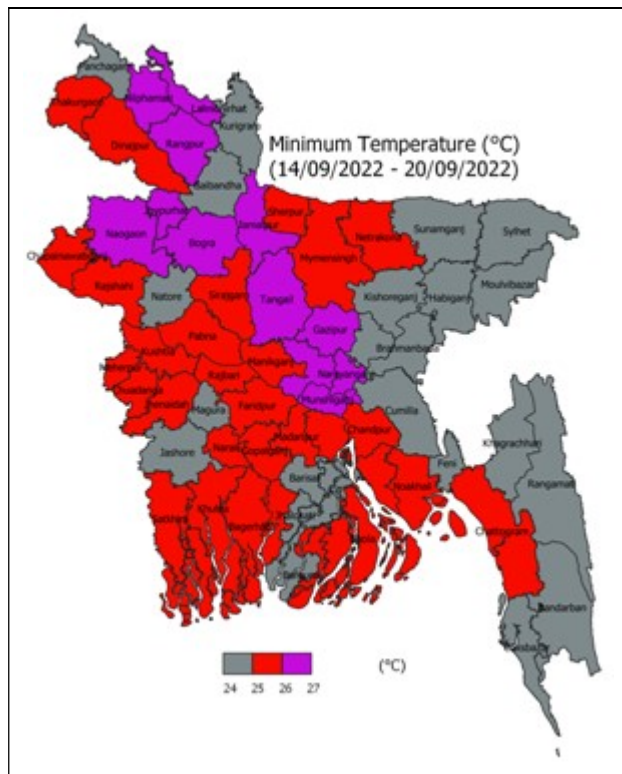
Weather Forecast Valid for 24 Hours commencing 06 PM Today:

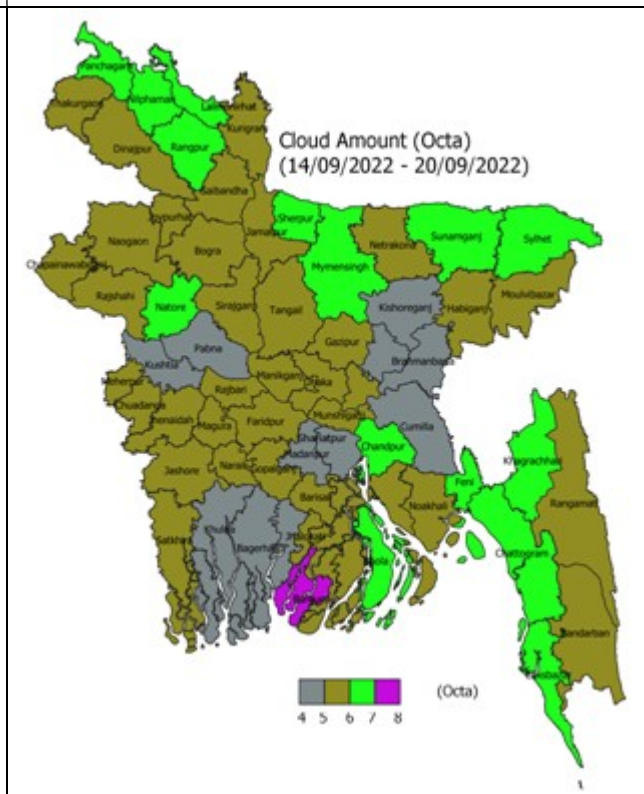
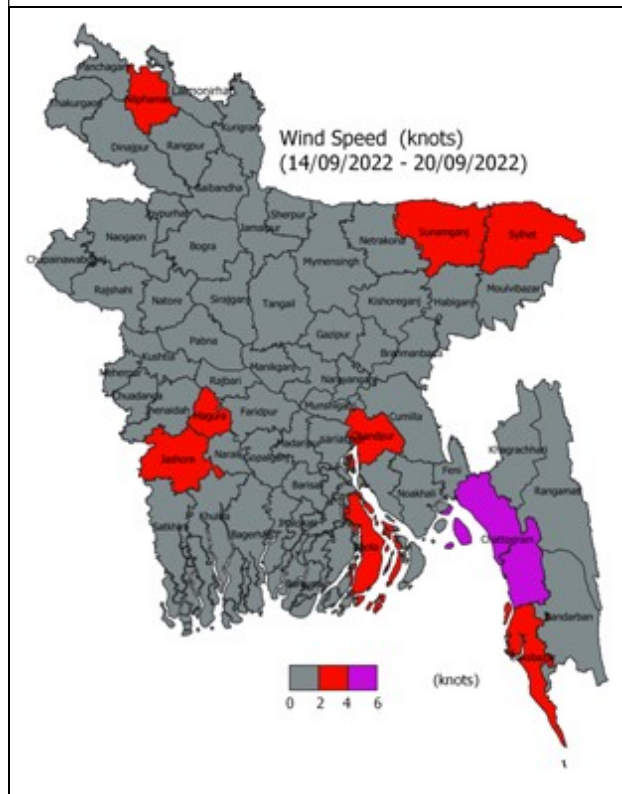
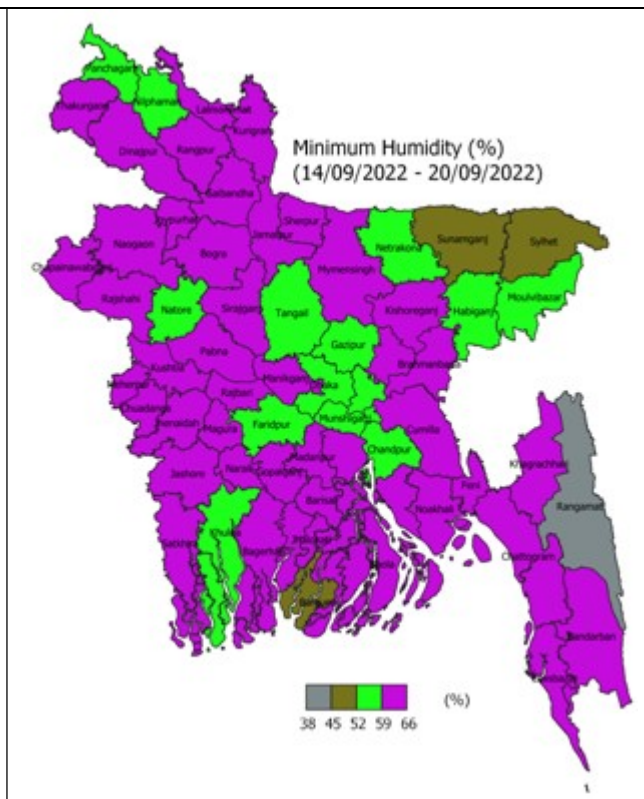
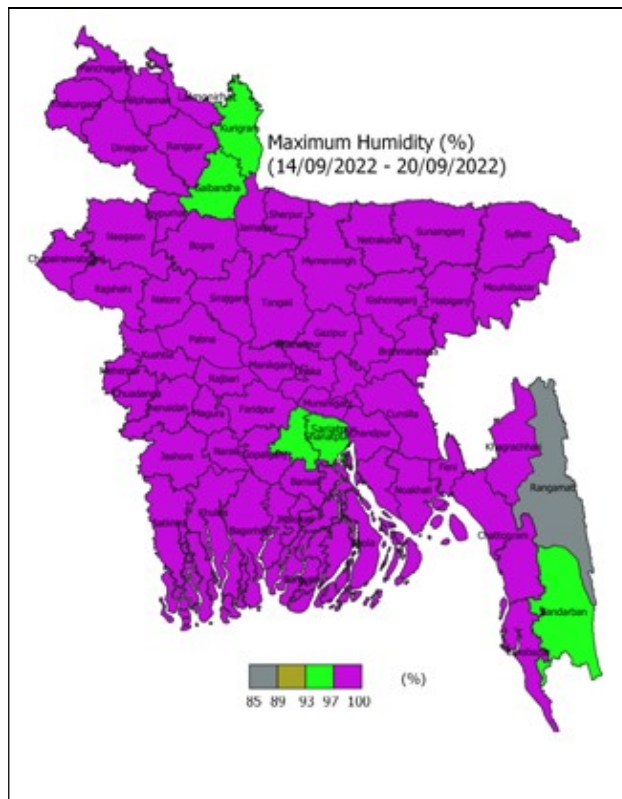
Forecast: Light to moderate rain/thunder showers accompanied by temporary gusty/squally wind and lightning flashes is likely to occur at a few places over Khulna, Barishal & Chattogram divisions and at one or two places over Rangpur, Rajshahi, Dhaka, Mymensingh & Sylhet divisions with moderately heavy falls at places over Southern part of Bangladesh.

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

Spatial Distribution of weather parameters for the Week ending 20 September 2022





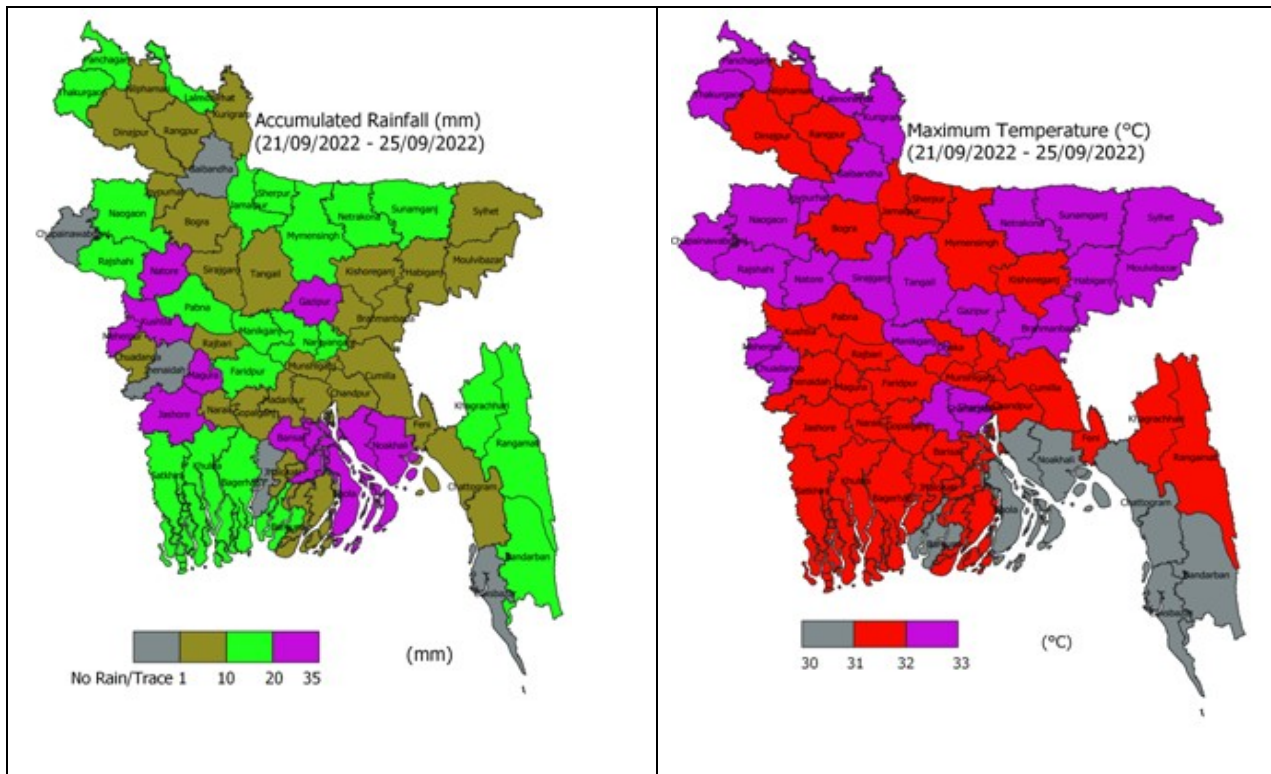


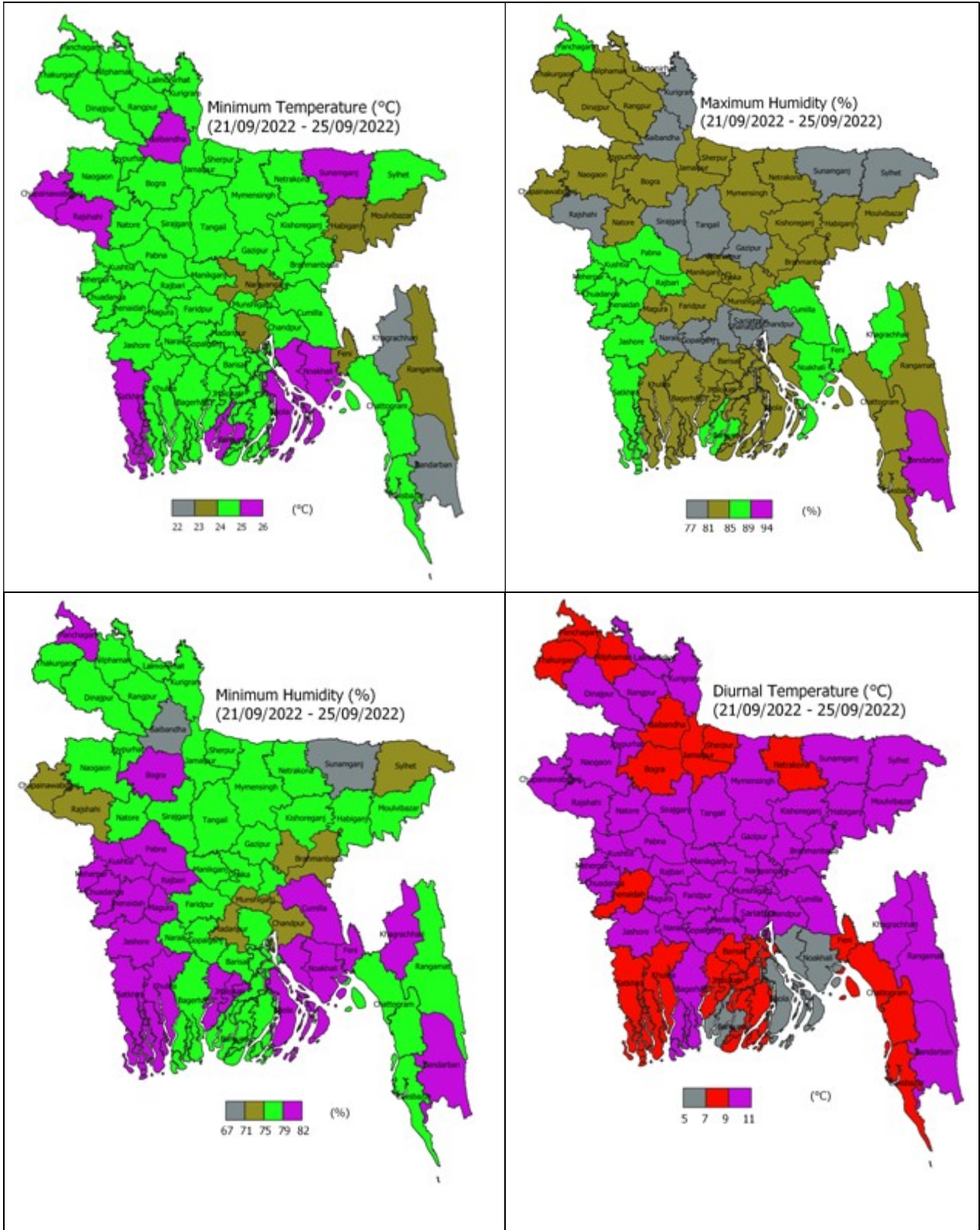
Weather Forecast and Advisory for the Period of 15.09.2022 to 21.09.2022

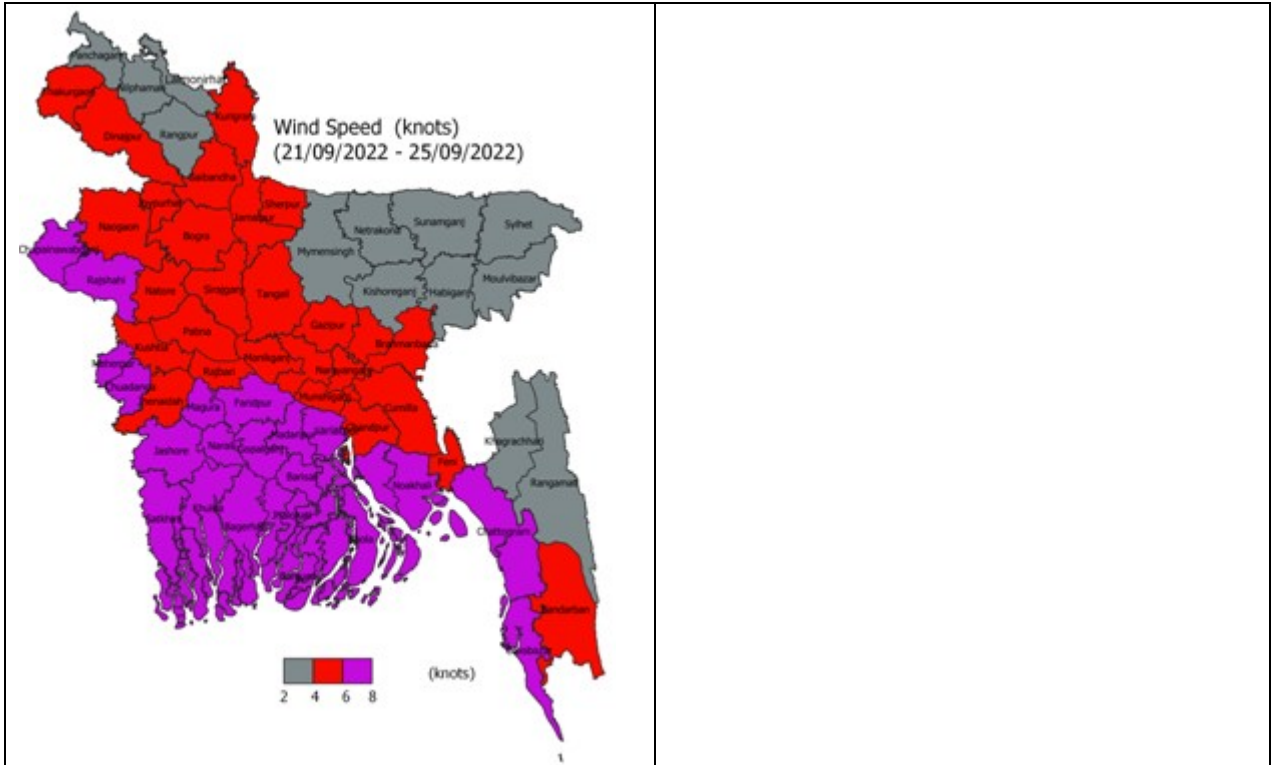
Bright sunshine hour is likely to be from 3.00 to 5.00 hours per day during this week. Average free water loss is likely to be from 3.0 to 4.0 mm per day during this week.

- Light (01-10 mm/day) to moderate(11-22 mm/day) rain/thunder showers accompanied by temporary gusty wind with lightning flashes is likely to occur at a few places (26%-50% area) over Chattogram, Khulna & Barishal divisions and at one or two places(01%-25% area) over Dhaka, Rajshahi, Rangpur, Mymensingh & Sylhet divisions with moderately heavy (23-43 mm/day) falls at places during the 1st half of this period (8-10 September).
- Light (01-10 mm/day) to moderate(11-22 mm/day) rain/thunder showers accompanied by temporary gusty wind with lightning flashes is likely to occur at most places (76%-100% area) over Khulna, Barishal, Chattogram & Sylhet divisions with heavy (44-88 mm/day) to very heavy (>88 mm/day) falls at isolated places and at many places(51%-75% area) over Dhaka, Rajshahi, Rangpur & Mymensingh divisions with moderately heavy (23-43 mm/day) to heavy (44-88 mm/day) falls at isolated places during the 2nd half of this period (11-14 September).
- Day and night temperature may remain nearly unchanged during the 1st half and may fall by (1- 3°C) during the 2nd half of this period.

District Wise Quantitative Weather Forecast for next Five days from 21 Sept.-25 Sept. 2022

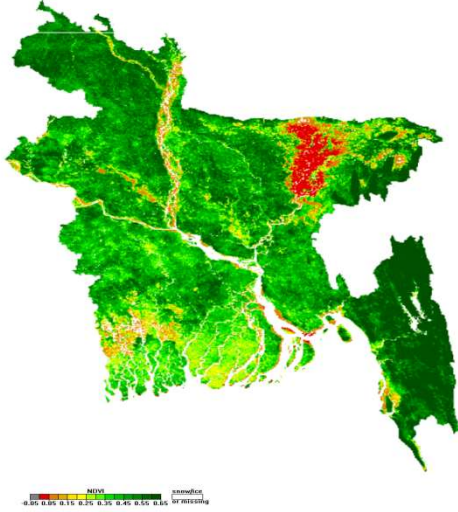




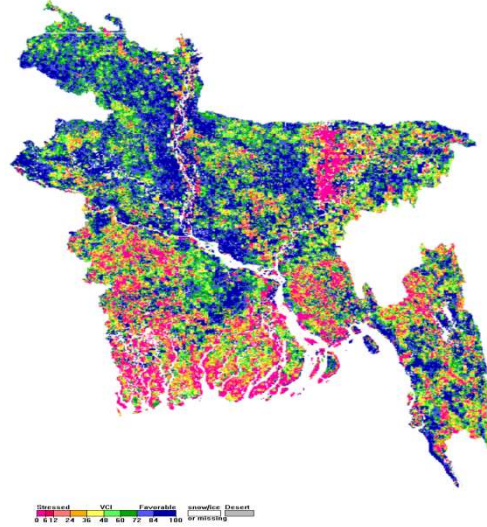


Different Satellite Products over Bangladesh

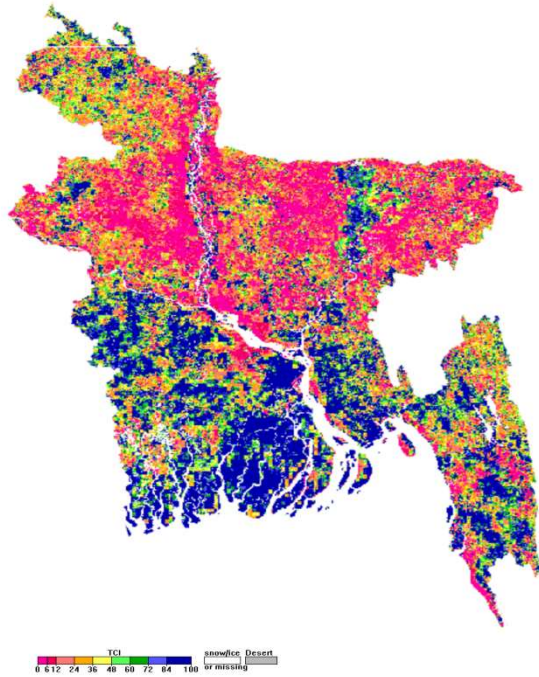
NOAA/VIIRS BLENDED NDVI composite for the week. No. 37 (10 September-16 September) over Agricultural regions of Bangladesh



NOAA/ AVHRR BLENDED VCI composite for the week No. 36 (10 September-16 September) over Agricultural regions of Bangladesh



NOAA/ AVHRR BLENDED TCI composite for the week No. 36 (10 September-16 September) over Agricultural regions of Bangladesh



NOAA/ AVHRR BLENDED VHI composite for the week No. 36 (10 September-16 September) over Agricultural regions of Bangladesh

