



NATIONAL AGROMETEOROLOGICAL ADVISORY SERVICE BULLETIN

03 June 2020 (WEDNESDAY)
[FOR THE PERIOD 03.06.2020 – 07.06.2020]



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

Salient Agromet Advisories

As per the weather forecast received from the Bangladesh Meteorological Department (BMD) during next 24 hours, light to moderate rain/thunder showers accompanied by temporary gusty wind is likely to occur at a few places over Dhaka, Mymensingh, Khulna, Barishal, Chattogram & Sylhet divisions and at one or two places over Rajshahi & Rangpur divisions with moderately heavy to heavy falls at places over the country. Mild heat wave is sweeping over the regions of Rajshahi, Pabna, Jashore and Chuadanga and it may continue. As per the outlook issued by BMD for next 72 hours, no marked change is likely.

. Besides, as per the medium range weather forecast, good amount of pre-monsoon rainfall is expected in number of districts in the country during next five days. Salient Agromet Advisories issued for the above mentioned districts of Bangladesh are as follows.

Boro Paddy

Continue harvesting on non rainy days or after the current spell of rain. After the harvest, immediately keep it in safe and dry place for drying of grains.

Complete harvesting as early as possible

Hire the labour from the same village of cultivated land

Maintain proper distance during harvesting.

Harvested crop should immediately be transported to a safer place to avoid post-harvest loss considering the probability of rain during in coming days. Plough the field immediately after harvesting or sow the green manure crops.

Maize

- Monitor the crop against attack of insect pests, intercropping with legumes & cassava can reduce the incidence of stem borer infestation.
- Arrange for adequate drainage to avoid water stagnation in the crop fields. Drain out excess water from the fields. Avoid irrigation, intercultural operation and application of plant protection measures and fertilizers to the standing crops. Harvest the matured crop immediately and store the harvested products at safe places
- All the plant protection measures should be taken up after the current spell of rainfall.

Groundnut

- Harvest the matured crop on non rainy days or after the current spell of rainfall.
- Monitor the incidences of pests (hairy caterpillar, jassid, thrips, leaf miner, spodoptera & termite) & diseases (leaf spot/tikka disease, leaf rust, foot rot/stem rot, collar rot, bud necrosis) and if noticed, take appropriate preventive measure.
- Prevailing weather condition are favorable for tikka leafspot in groundnut. To control spray with hexaconazol @2ml. or carbendazim @1 g. per litre of water.
- All the plant protection measures should be taken up after the current spell of rainfall.

Vegetables

- Wash away sticky mud from base and stems of vegetable plants by spraying fresh water; to prevent rotting, spray Copper hydroxide or copper oxychloride @ 4g per litre of water. Staking of bamboo should be provided to crops like tomato, chilli and brinjal for better support.
- Arrange for adequate drainage to avoid water stagnation in the crop fields. Drain out excess water from the fields. Avoid irrigation, intercultural operation and application of plant protection measures and fertilizers to the standing crops. Harvest the matured crop immediately and store the harvested products at safe places.
- All the plant protection measure should be taken after the current spell of rainfall.
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Horticulture

- Weather is congenial for sigatoka leaf spot disease in banana; cut and remove all severely affected leaves and spray Propiconazol 1ml/ litre of water. Weather is congenial for burrowing nematode in banana; apply neem cake (1 kg/plant) at the time of planting to reduce the pest population. Store the harvested banana bunches in dry places to prevent disease incidence due to rainfall.
- Provide mechanical support to banana, young fruit plants and vegetables and carry out propping up in sugarcane to prevent the crops from lodging due to strong winds. Keep harvested produce at safer places. Keep cattle/goats indoor during thunderstorm/dust storm.
- Weather is congenial for bud rot disease in coconut; spray 1% Bordeaux mixture on the spindle leaf and crown of palms. Make provisions for small drains at required interval in the orchards to drain out excess water.

Jute:

- It is now in vegetative stage. Monitor the pest & diseases incidences and take appropriate measures.
- To protect capsularis jute crop (>4 ft tall) from lodging due high wind speed, the peripheral jute plants (round the field) need to be tied together by taking 4-5 jute plants in a consecutive manner.
- There is a chance of incidences of Hairy Caterpillar. Following control measures is advised.
- Collect the egg mass and destroy
- Use light traps.
- Spray Imidocholoprid/Chlorocyryn/ Nitro @ 1ml/litre of water.
- There is a chance of incidences of Semilooper. Spray Imidocholoprid/Chlorocyryn/ Nitro @ 1ml/litre of water.
- All the plant protection measure should be taken after the current spell of rainfall.
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Livestock

- Provide supplemental feed of minerals and vitamin mixture farm animals; carry out proper deworming schedule and vaccination schedule against FMD.
- Keep the cattle under shed during heavy rainfall. Keep the animals in dry and high (raised platform) places. Take proper care of the shelters and look out for any possible outbreak of diseases of

livestock. Do not let the animals outside during thundershower. Avoid water logging of floor of the animal house.

- Allow the animals in the ponds or wash the animals 2-3 times in a day with cold water. Vaccinate the animals before onset of monsoon against foot and mouth disease (FMD vaccination), BC vaccination against Black Quarter and also vaccinate against Haemorrhagic Septicaemia. Vaccinate (ET vaccine) sheep and goats against Enterotoxemia before onset of monsoon.

Poultry

- Hang gunny bags in and around poultry shed to protect birds from high temperature; provide birds a well-balanced feed fortified with minerals, vitamins and amino acid supplements. Due to increase in temperature, provide cool water for poultry birds. Add electrolytes (KCl, NaCl and NaCO₃) in feed and water.
- **Fishery**
- Drain out salt water from pond completely with the help of pump; remove all the fish from pond; apply lime in the pond after draining out water; wait till rain water fills the pond.
- Repair damaged dykes of fisheries ponds and take care so that fishes do not escape. Maintain outlet pipe from the pond so that excess water pass away and the water level is maintaining. Avoid fishing operations in the river. Movement in boat and motor boats is not advisable

Realized Weather at different locations in the country

Rainfall for last 24 hours (till 06 AM on 03 June 2020) and maximum temperature on 02 June, minimum temperature on 03 June 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	35.3	26.6	Rajshahi	Rajshahi	05	36.5	25.2
	Tangail	00	35.3	24.6		Ishurdi	00	36.0	25.3
	Faridpur	01	35.7	25.3		Bogura	00	35.4	26.8
	Madaripur	04	35.2	25.2		Badalgachhi	00	34.5	25.0
	Gopalganj	01	34.7	25.6		Tarash	00	35.4	26.5
	Nikli	00	35.5	19.0					
Mymensingh	Mymensingh	00	34.3	26.5	Rangpur	Rangpur	00	34.4	26.5
	Netrokona	43	34.0	24.1		Dinajpur	00	34.6	26.6
						Sayedpur	00	33.8	26.0
				Tetulia		00	31.6	24.2	
Chattogram	Chattogram	11	33.0	25.1	Dimla	Dimla	00	32.6	25.0
	Sandwip	12	31.6	25.5		Rajarhat	00	33.0	25.0
	Sitakunda	09	32.0	25.0					
	Rangamati	09	32.0	24.2	Khulna	Khulna	52	35.5	25.0
	Cumilla	Trace	34.0	26.0		Mongla	18	35.6	24.5
	Chandpur	00	35.4	26.0		Satkhira	47	35.1	24.9
	M.Court	27	35.0	25.5		Jashore	05	36.4	24.8
	Feni	01	32.5	25.5		Chuadanga	02	36.3	25.0
	Hatiya	11	31.2	25.0		Kumarkhali	03	35.5	25.0
	Cox's Bazar	21	32.5	25.2	Barishal	Barishal	09	35.5	24.6
Kutubdia	13	32.2	25.2	Patuakhali		20	35.4	24.4	
Teknaf	xx	32.8	25.0	Khepupara		09	34.6	23.6	
				Bhola		07	35.4	25.2	
Sylhet	Sylhet	06	32.5	25.5					
	Srimangal	03	33.0	25.0					

Highlights:

- Country average bright sunshine hour was 5.00 hours per day during last week.
- Country average free water loss during the previous week was 3.50 mm per day.

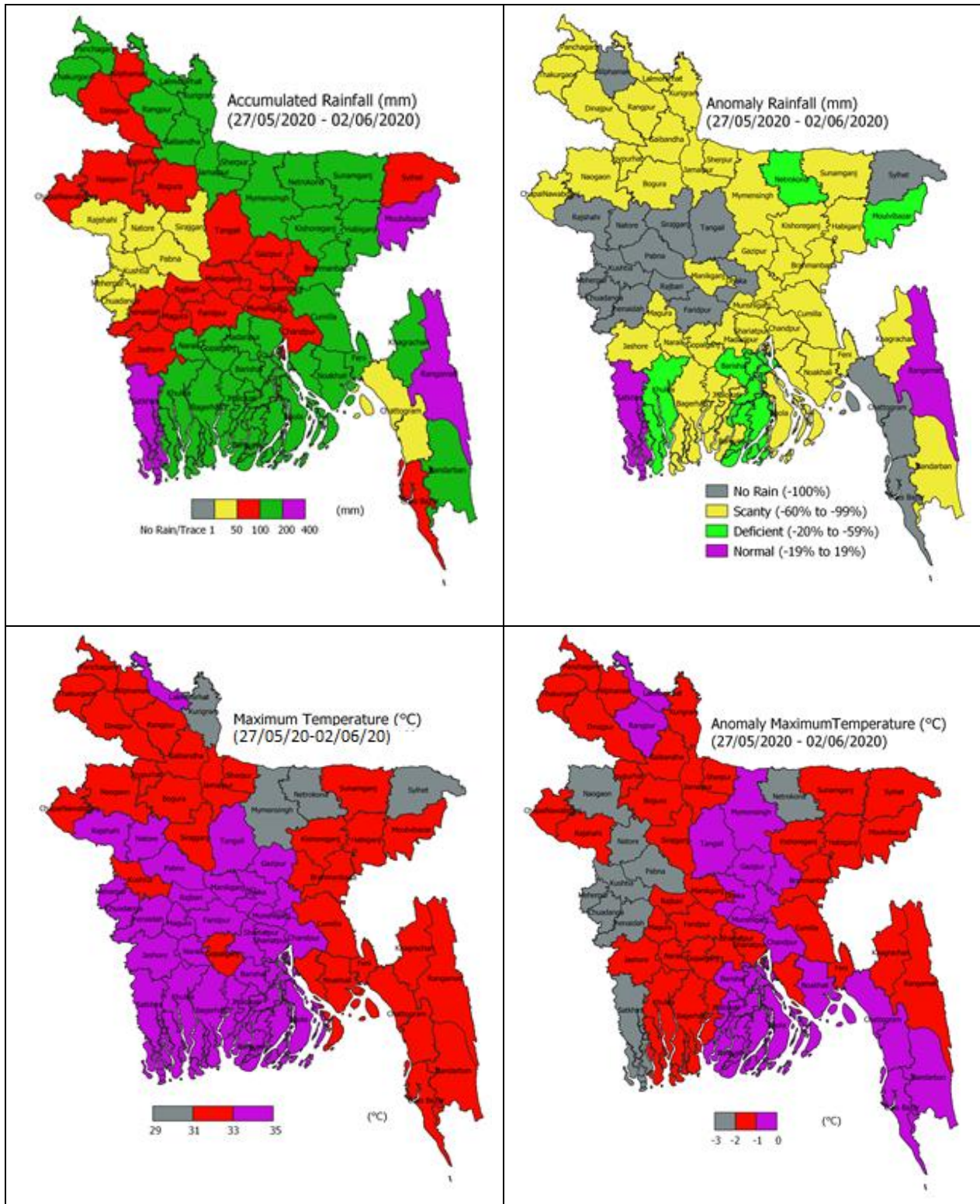
Weather Forecast Valid for 24 Hours commencing 06 PM Today:

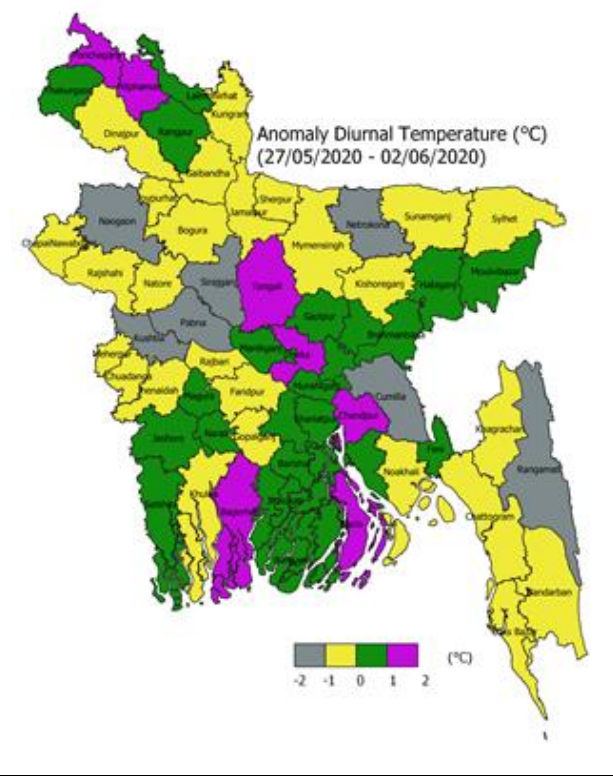
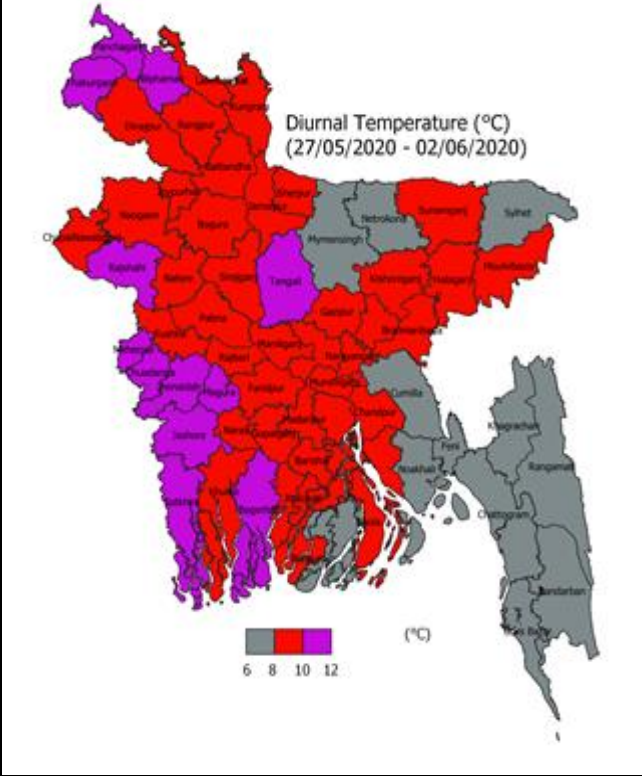
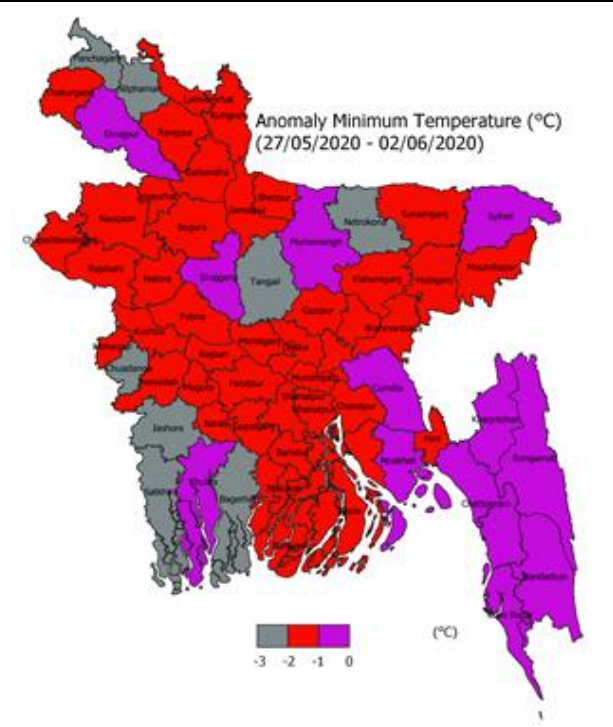
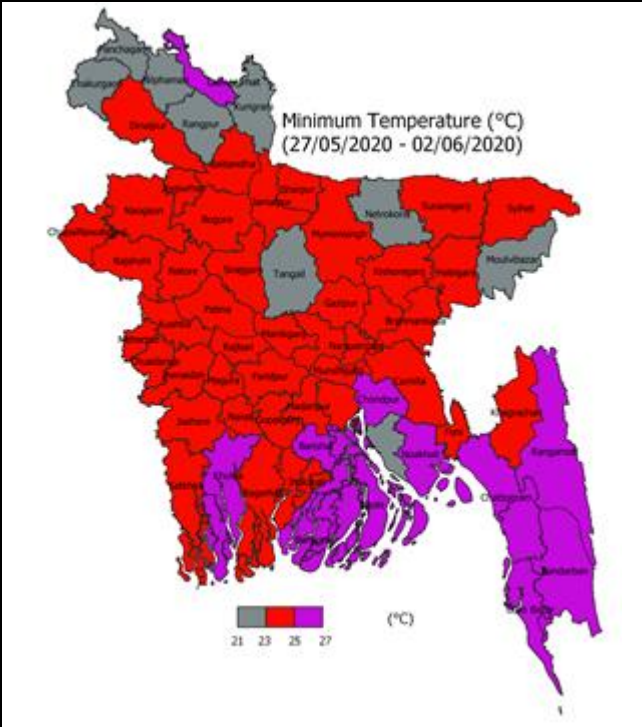
Forecast: Light to moderate rain/thunder showers accompanied by temporary gusty wind is likely to occur at a few places over Dhaka, Mymensingh, Khulna, Barishal, Chattogram & Sylhet divisions and at one or two places over Rajshahi & Rangpur divisions with moderately heavy to heavy falls at places over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

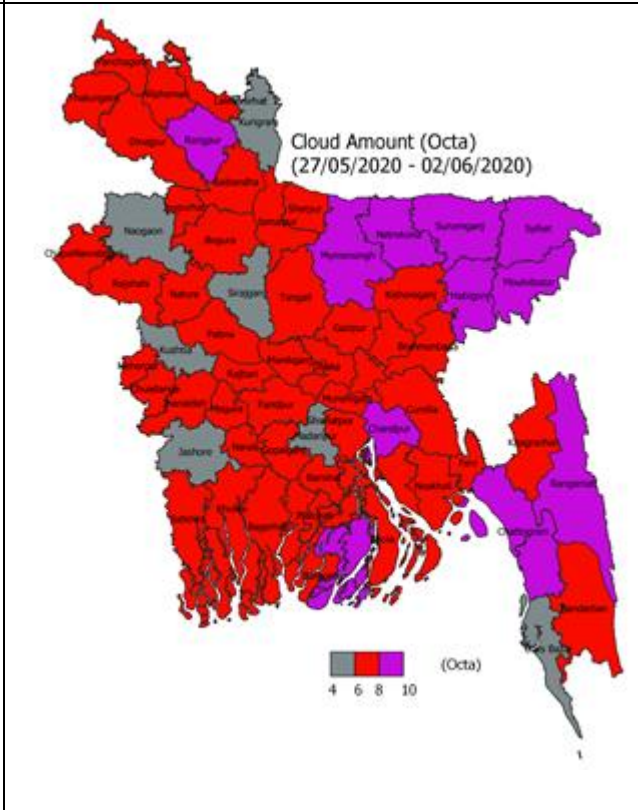
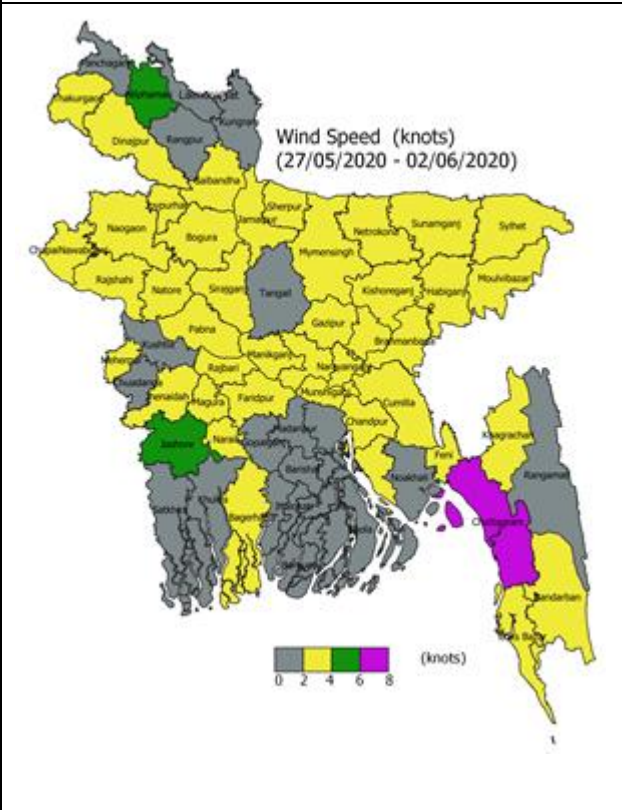
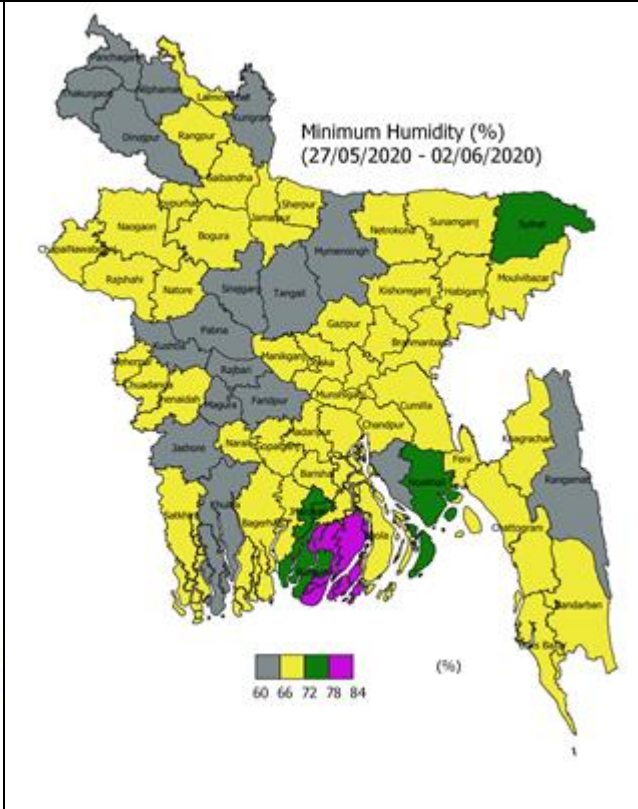
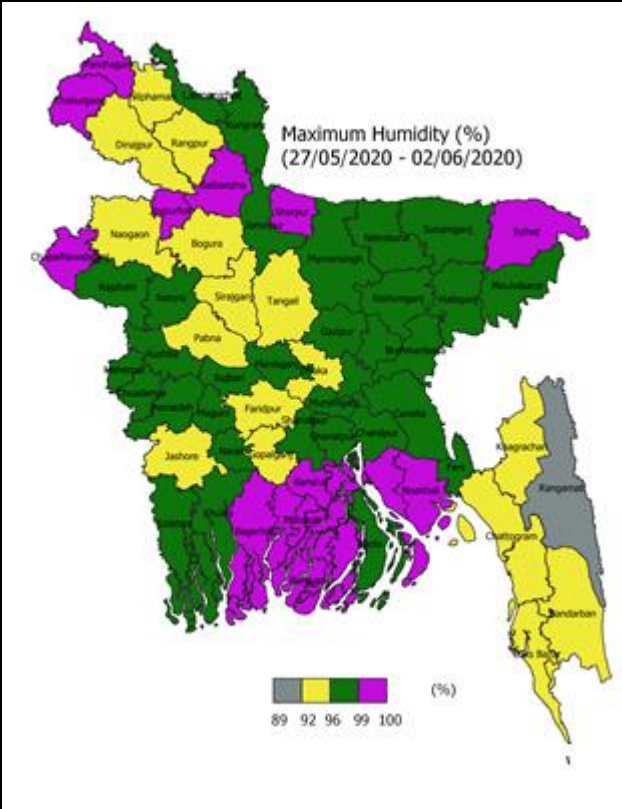
Heat Wave: Mild heat wave is sweeping over the regions of Rajshahi, Pabna, Jashore and Chuadanga and it may continue.

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

Spatial Distribution of weather parameters for the Week ending 02 June 2020





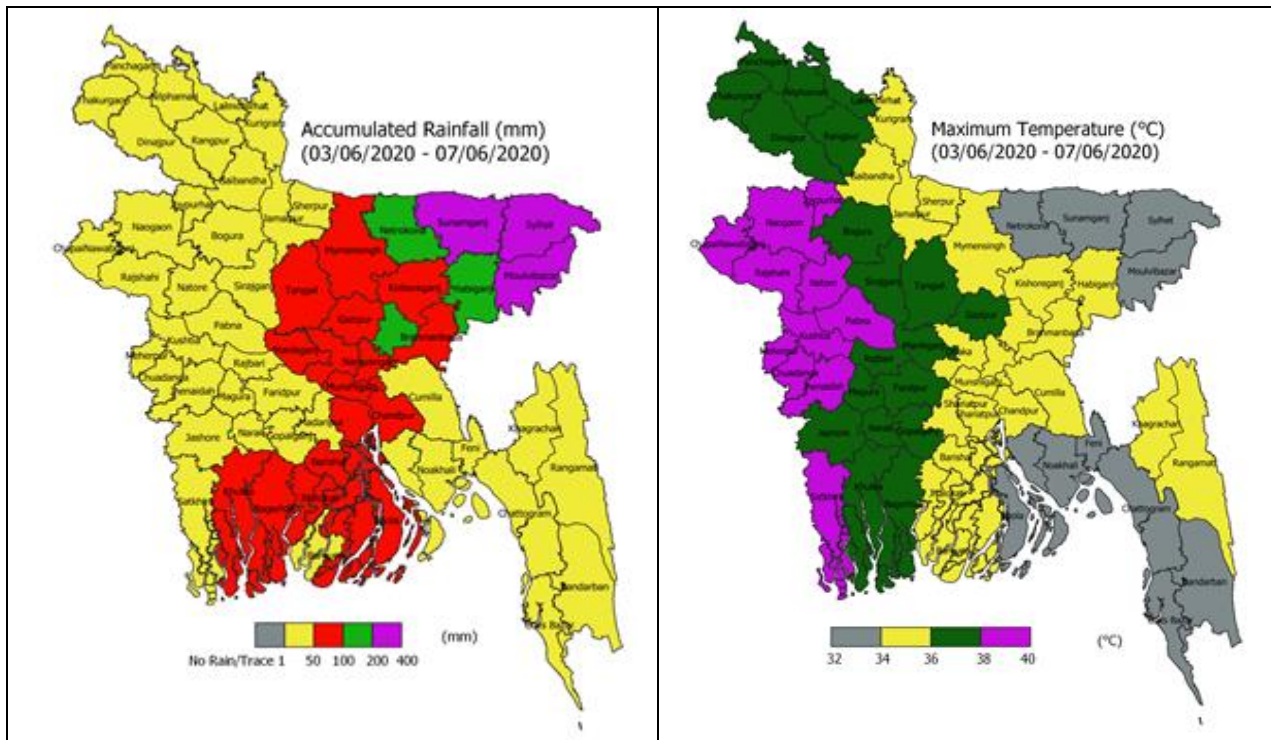


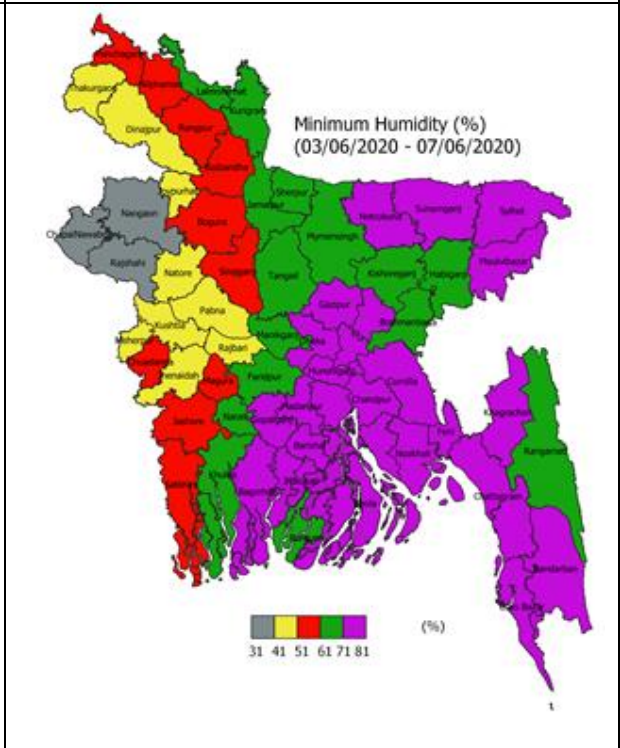
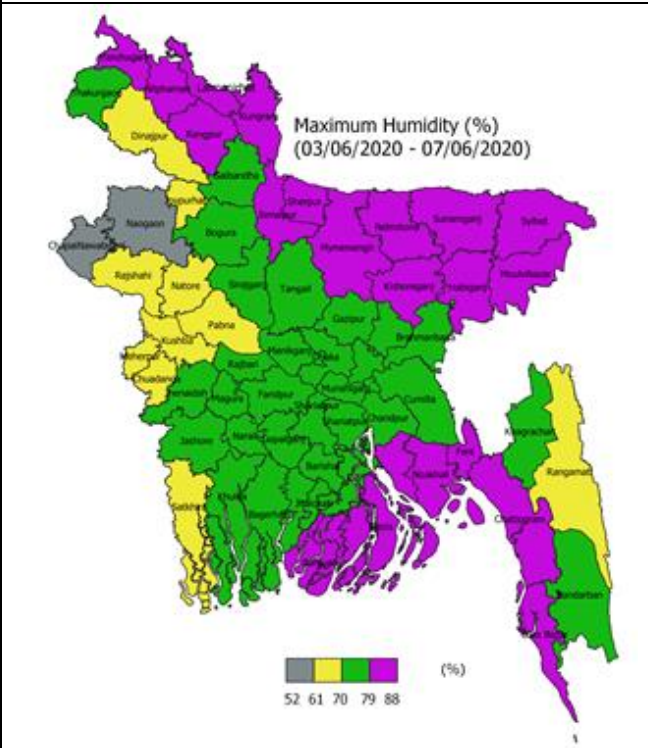
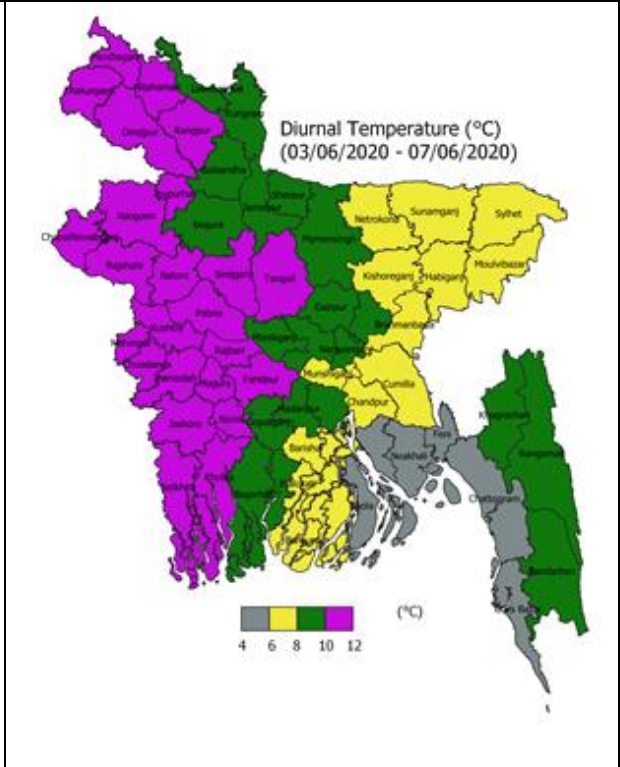
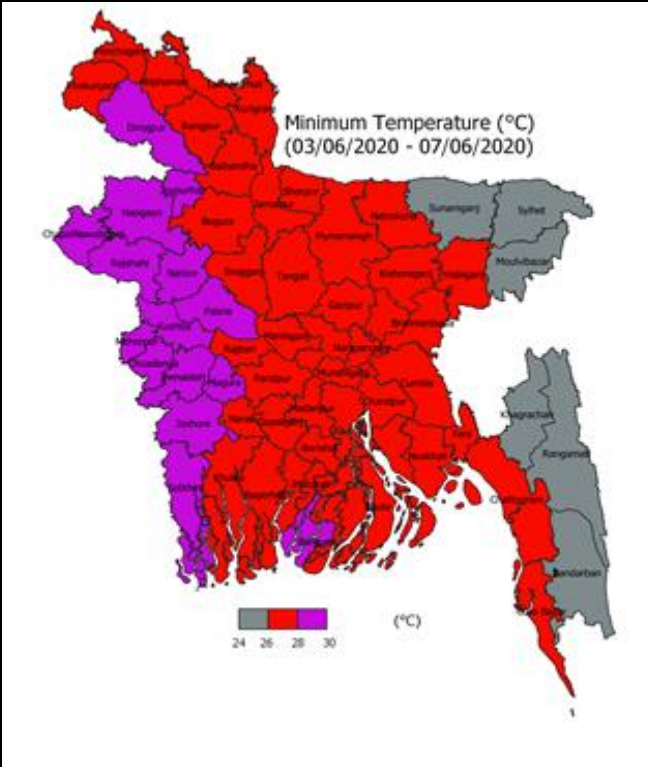
Weather Forecast and Advisory for the Period of 27.05.2020 to 03.06.2020

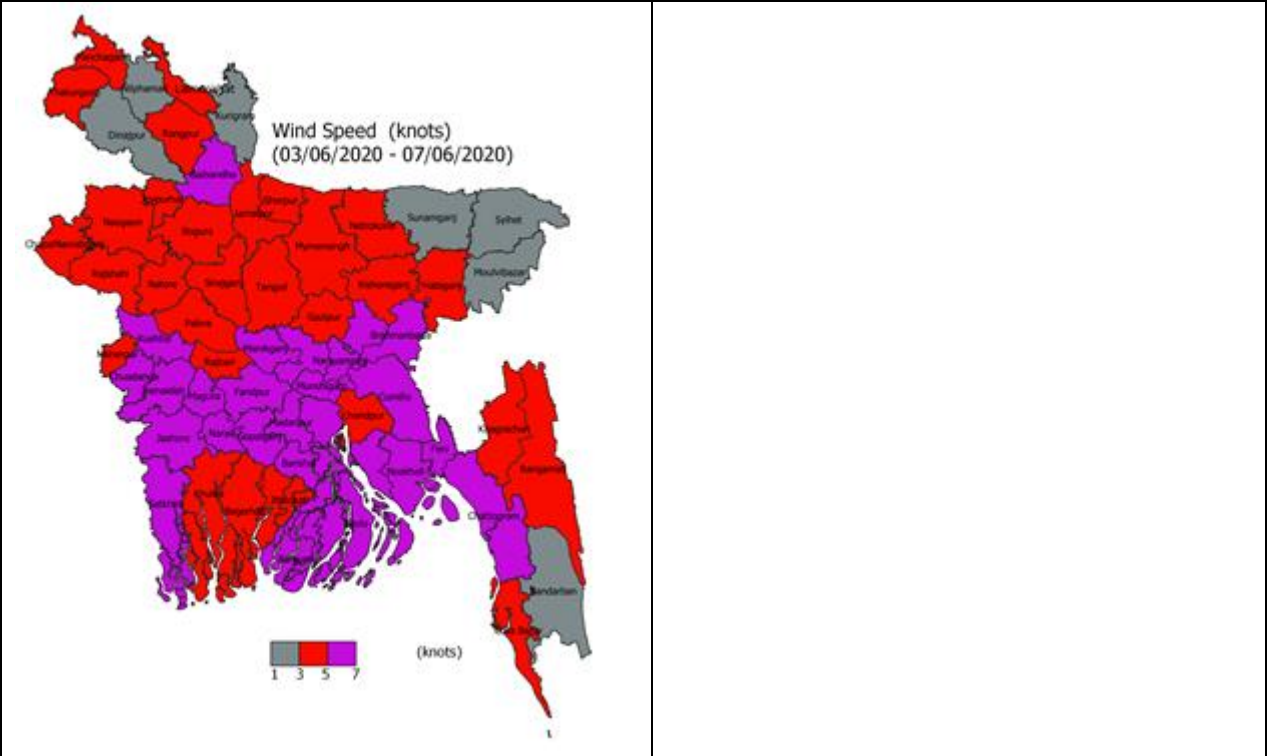
Bright sunshine hour is likely to be from 5.00 to 6.00 hours per day during this week. Average free water loss is likely to be from 3.00 to 4.00 mm per day during this week.

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

District Wise Quantitative Weather Forecast for next Five days from 03 June -07 June'2020

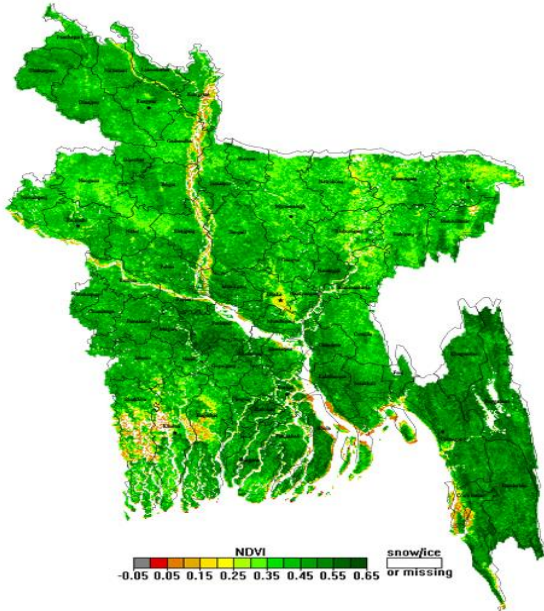




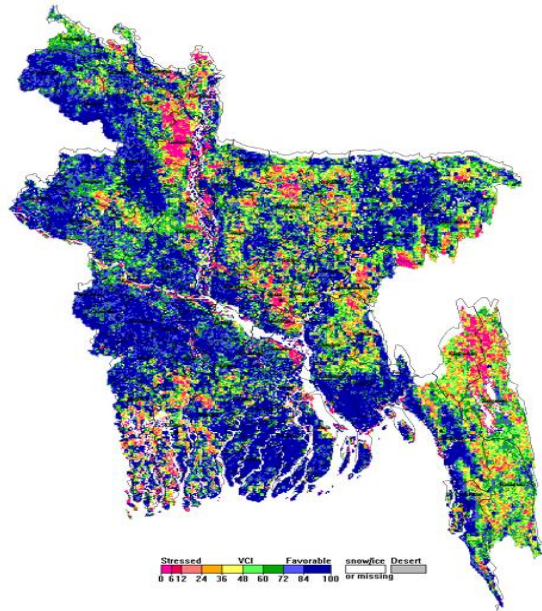


Different Satellite Products over Bangladesh

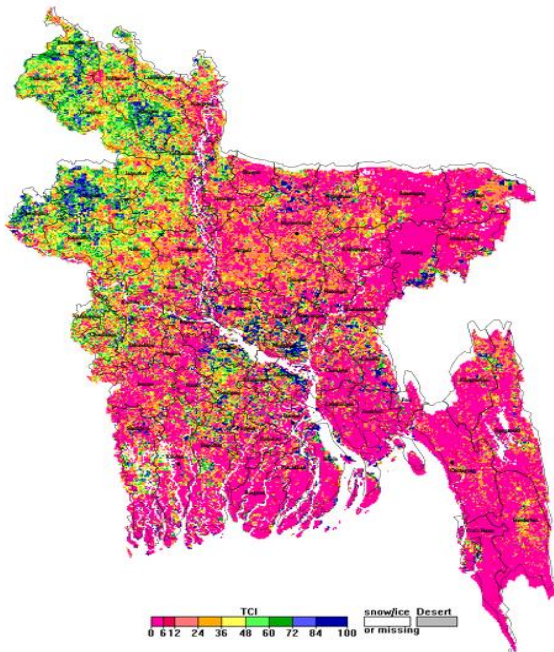
NOAA/VIIRS BLENDED NDVI composite for the week No. 21 (19 May-25 May 2020) over Agricultural regions of Bangladesh



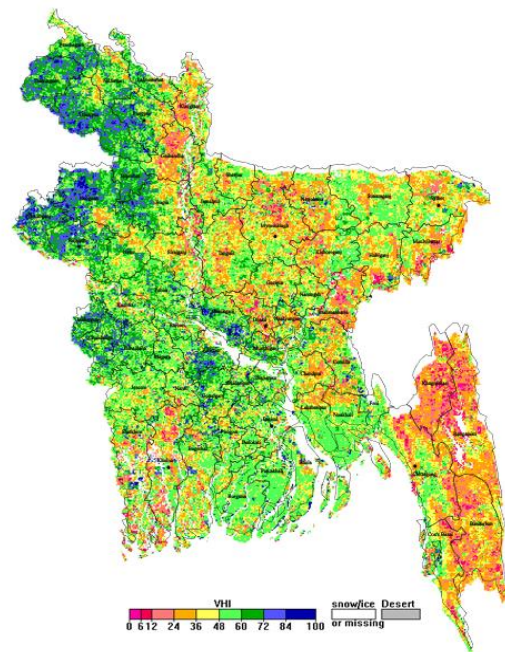
NOAA/ AVHRR BLENDED VCI composite for the week No. 21 (19 May-25 May 2020) over Agricultural regions of Bangladesh



NOAA/ AVHRR BLENDED TCI composite for the week No. 21 (19 May-25 May 2020) over Agricultural regions of Bangladesh

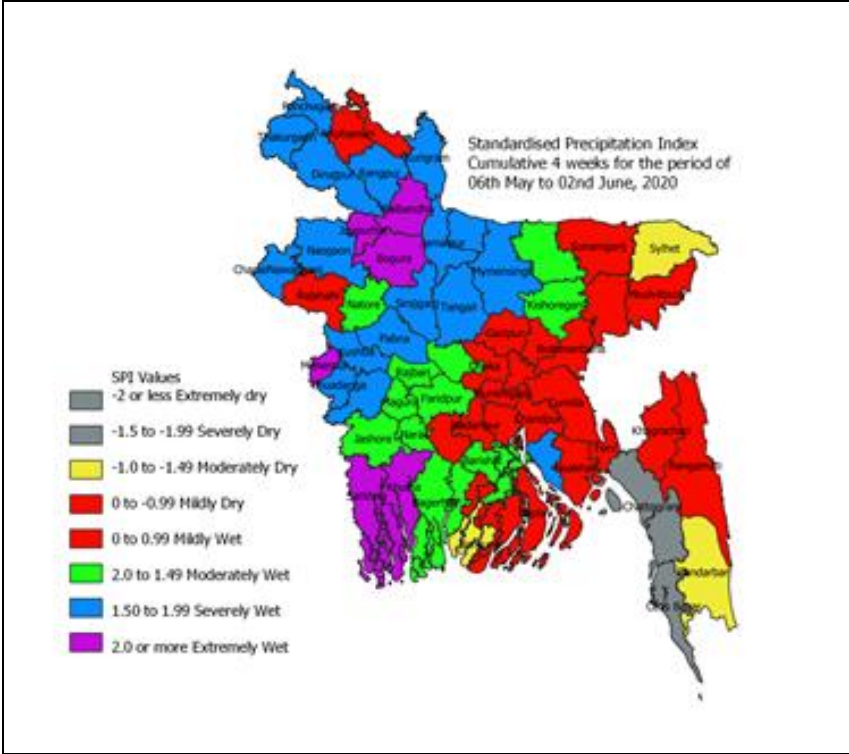


NOAA/ AVHRR BLENDED VHI composite for the week No. 21 (19 May-25 May 2020) over Agricultural regions of Bangladesh



Monitoring Meteorological Drought in Bangladesh using Standardized Precipitation Index (SPI)

It has been observed that during last four weeks (including May) 2020 extremely wet conditions prevails in districts located western parts and mild to moderately wet condition prevails in southwest and central parts and northeast part, of Bangladesh for last four weeks.



Data source: Bangladesh Meteorological Department