



NATIONAL AGROMETEOROLOGICAL ADVISORY SERVICE BULLETIN

03 July 2019 (WEDNESDAY)
[FOR THE PERIOD 03.07.2019 - 07.07.2019]



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

Salient Weather Conditions & Agromet Advisories

As per the information received from Bangladesh Meteorological Department (BMD as on 3rd July 2019 the well-marked low over North Odisha and adjoining areas of Gangetic West Bengal moved westwards and now lies over Chhattishgarh and adjoining Jharkand & Odisha. The axis of monsoon trough runs through Uttar Pradesh, centre of the well-marked low, Gangetic West Bengal, thence northeastwards Assam across southern part of Bangladesh. One of its associated trough extends to North Bay. Monsoon is fairly active over Bangladesh and moderate over North Bay.

Weather Forecast Valid for 24 Hours Commencing 09 AM on 3rd July indicates that light to moderate rain/thunder showers accompanied by temporary gusty wind is likely to occur at most places over Khulna, Barishal & Chattogram divisions; at many places over Dhaka & Rajshahi divisions and at a few places over Mymensingh, Rangpur & Sylhet divisions with moderately heavy to heavy falls at places over southern part of Bangladesh. Day and night temperature may rise slightly over the country.

Based on the prevailing weather and weather forecast for next five days, agromet advisories for different districts have been prepared. Agromet advisories for the districts likely to receive significant rainfall are given below.



Transplanting of Aus Paddy



- Under the significant rainfall forecast, avoid intercultural operation and application of plant protection measures and fertilizers to the standing crops. Provide adequate drainage in standing crop fields.
- Maintain 5-7 cm water level in the Aus paddy field.
- Monitor pest & diseases incidences on Aus Paddy
- Prevailing water conditions are favourable for incidences of Hairy Caterpillar & Semiloper in Jute Monitor the incidences of these pests. If observed, apply Spray Imidocholoprid/Chlorocyryn/ Nitro @ 1ml/litre of water for Hairy Caterpillar & Imidocholoprid/Chlorocyryn/ Nitro @ 1ml/litre of water for Semiloper after the current spells of rainfall.
- If seedlings of brinjal and chill crops are ready for transplanting, transplant the seedlings on ridges and furrow with spacing of 60 x 60 cm. Sowing of kharif vegetables such as lady's finger, pumpkin, cucumber, sponge gourd, bottle gourd after draining out excess water from the crop field.

Jute in growing condition



**Ladys Finnger in Fruit Setting/
Vegetative**



Mechanical support to Banana

- As significant rainfall is expected, water will accumulate in the ponds, farmers are advocated to go for stocking with fingerlings or carried over seeds of 15 cm size @ 5000 per hectare of water surface area and also prevailing rainfall the ponds are getting filled up with the rain water so, in this situation there may be chances of bacterial disease in fishes. To control the diseases apply lime @ 6 kg per bigha of pond. In addition to that, maintain a good height of embankment around the pond. If possible provide net or bamboo chatai around the pond to protect from flowing out with flash flood.
- Keep sufficient feed and fodder in the shed for dairy animals as heavy rainfall is expected during next five days.
- Keep the chicken in dry place and spray pesticide in frequent intervals.
- Prepare pit for plantation of saplings of mango, guava and coconut after draining out accumulated water in the field as sufficient rainfall will be received during next five days.

** Detail District level bulletin is available in DAE website

Realized Weather at different locations in the country

Rainfall for last 24 hours (till 06 AM on 03 July'19) and maximum temperature on 02 July, minimum temperature on 03 July' 2019 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	07	32.0	26.8	Rajshahi	Rajshahi	06	34.0	26.6
	Tangail	05	32.2	25.6		Ishurdi	03	32.4	26.7
	Faridpur	29	31.7	25.5		Bogura	01	32.5	27.4
	Madaripur	18	32.0	26.2		Badalgachhi	00	32.2	26.0
	Gopalganj	12	30.5	26.5		Tarash	00	31.5	27.0
	Nikli	Trace	34.5	27.2					
Mymensingh	Mymensingh	00	33.4	27.4	Rangpur	Rangpur	00	35.0	27.2
	Netrokona	00	33.5	27.5		Dinajpur	00	32.4	27.3
						Sayedpur	00	33.5	27.3
Chattogram	Chattogram	21	32.5	25.7		Tetulia	07	33.0	26.4
	Sandwip	31	30.7	25.1		Dimla	00	34.0	27.4
	Sitakunda	04	32.5	25.8		Rajarhat	00	34.2	27.5
	Rangamati	02	32.2	25.2	Khulna	Khulna	35	31.2	27.0
	Cumilla	00	32.5	26.4		Mongla	24	32.5	26.6
	Chandpur	46	31.6	26.0		Satkhira	02	32.4	27.4
	M.Court	36	30.4	26.2		Jashore	10	32.8	26.8
	Feni	08	33.3	24.8		Chuadanga	04	33.0	26.7
	Hatiya	49	30.2	25.2		Kumarkhali	02	32.0	26.4
	Cox's Bazar	38	31.8	25.5	Barishal	Barishal	31	31.6	26.0
Kutubdia	16	31.0	26.4	Patuakhali		29	32.5	26.7	
Teknaf	143	27.3	24.0	Khepupara		33	32.0	26.4	
				Bhola		55	31.2	25.8	
Sylhet	Sylhet	01	36.4	26.0					
	Srimangal	00	35.1	26.7					

Highlights:

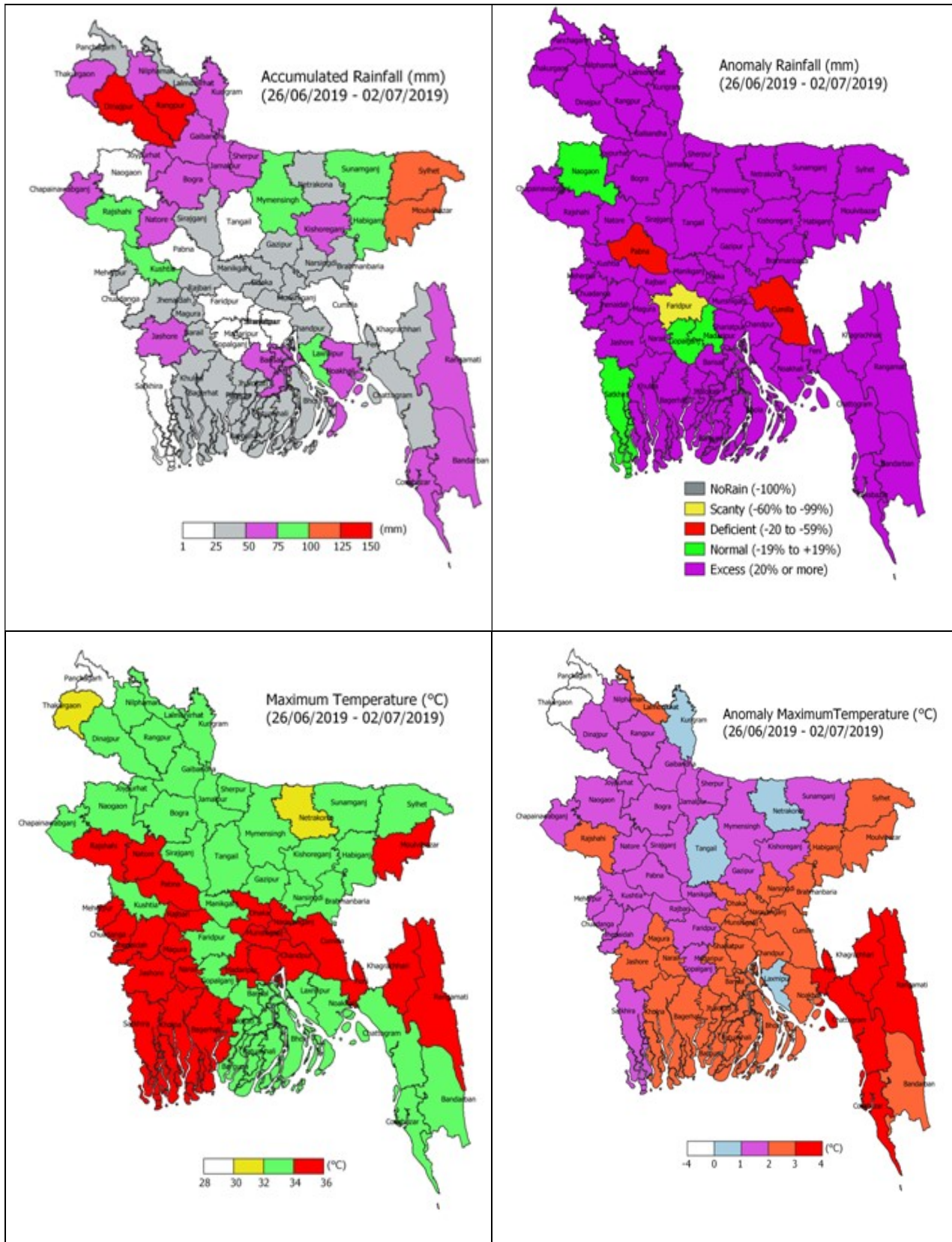
- Country average of bright sunshine hour was 5.53 hours per day during last week.
- Country average of free water loss during the previous week was 3.97 mm per day.

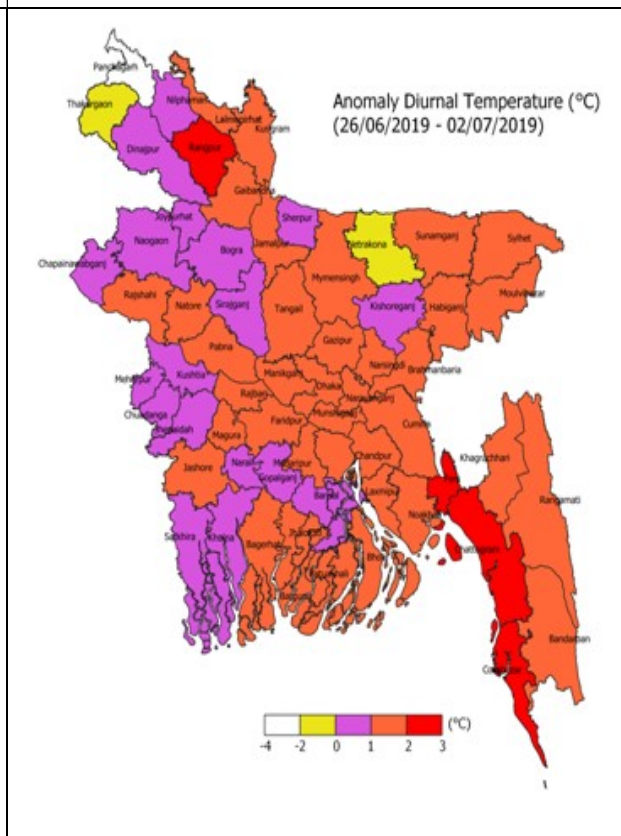
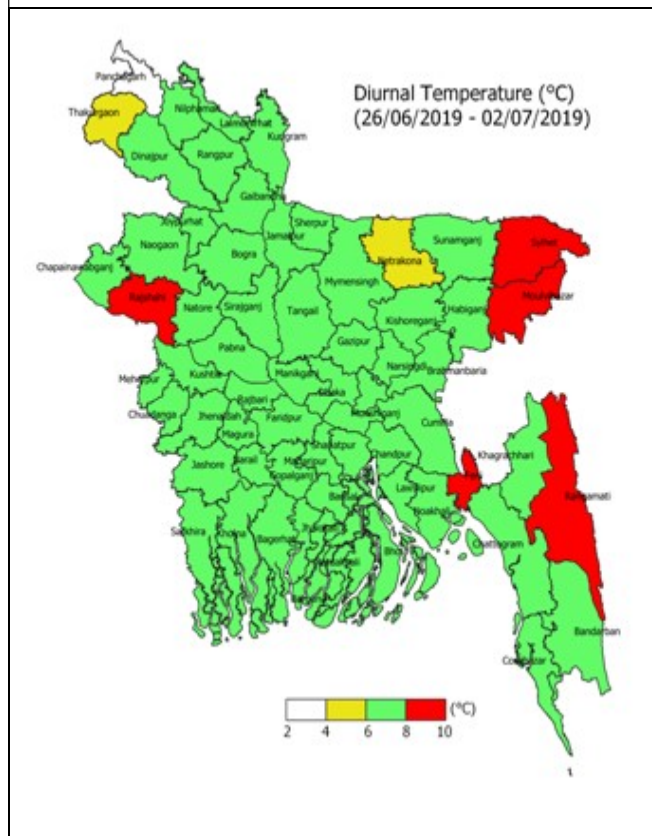
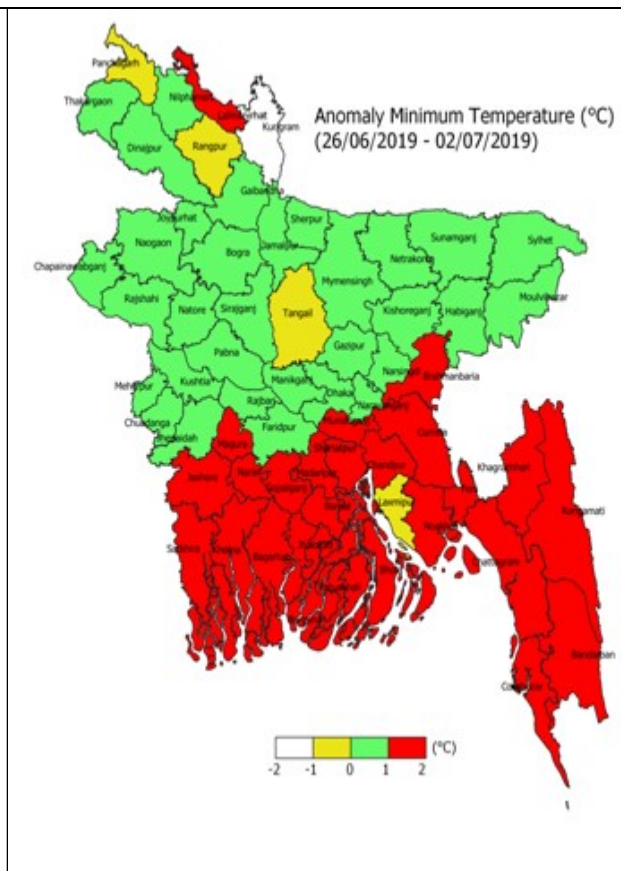
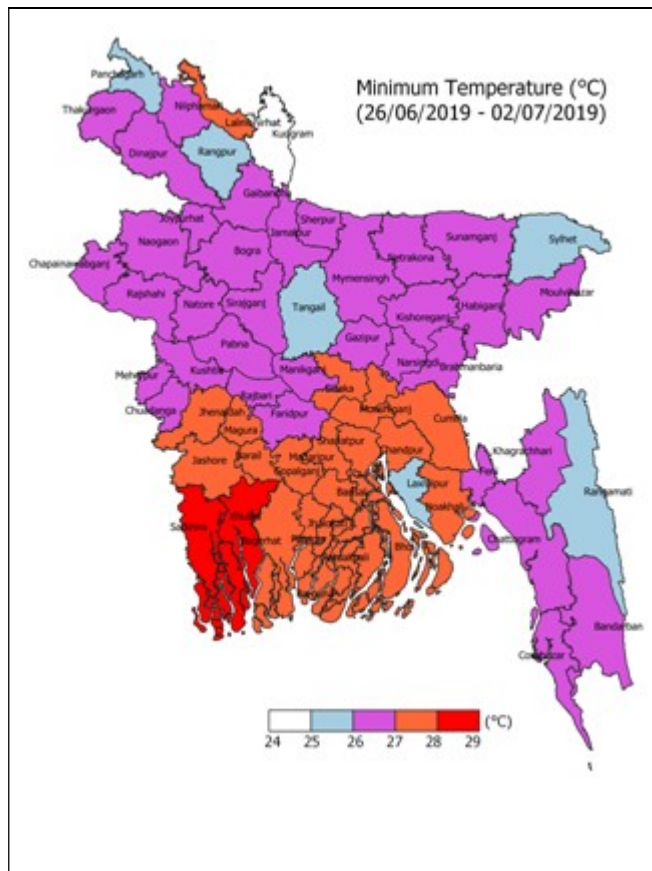
Weather Forecast Valid for 24 Hours commencing 06 PM Today:

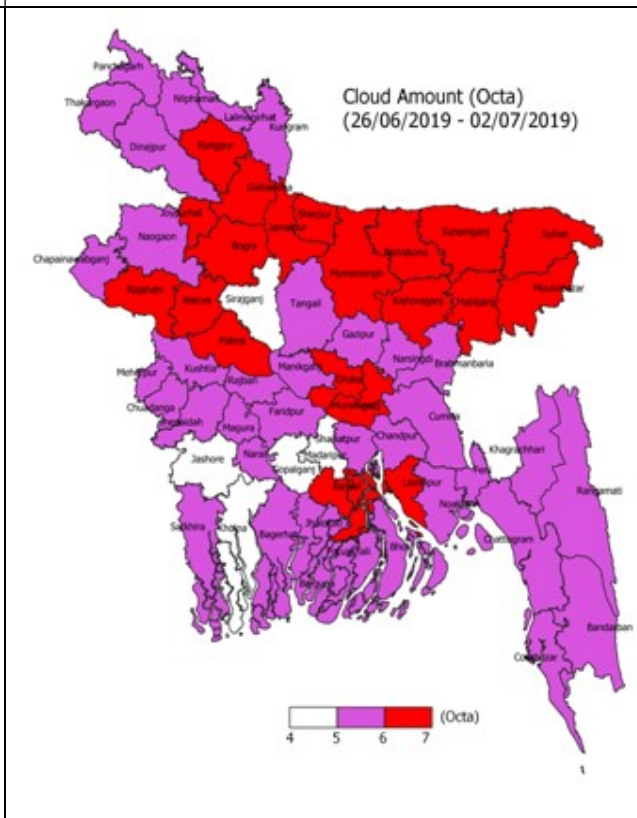
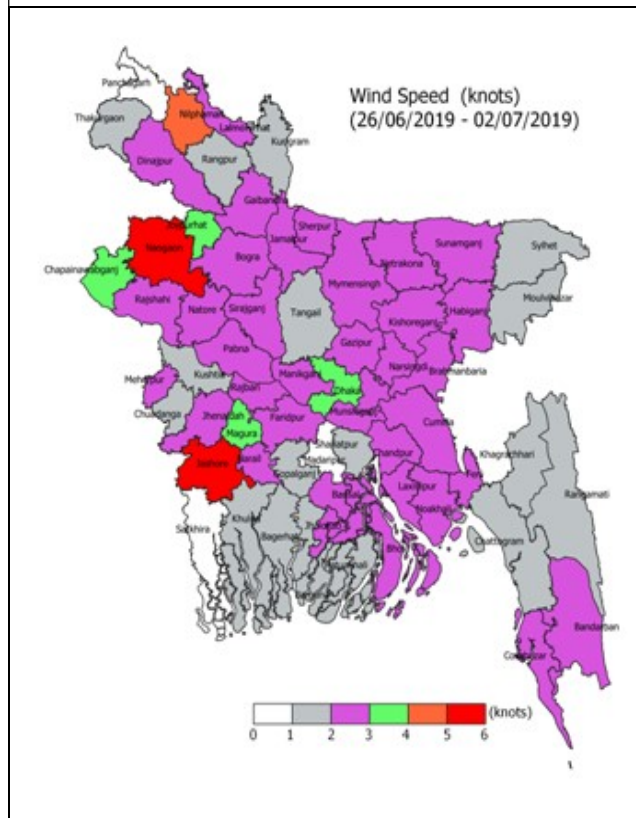
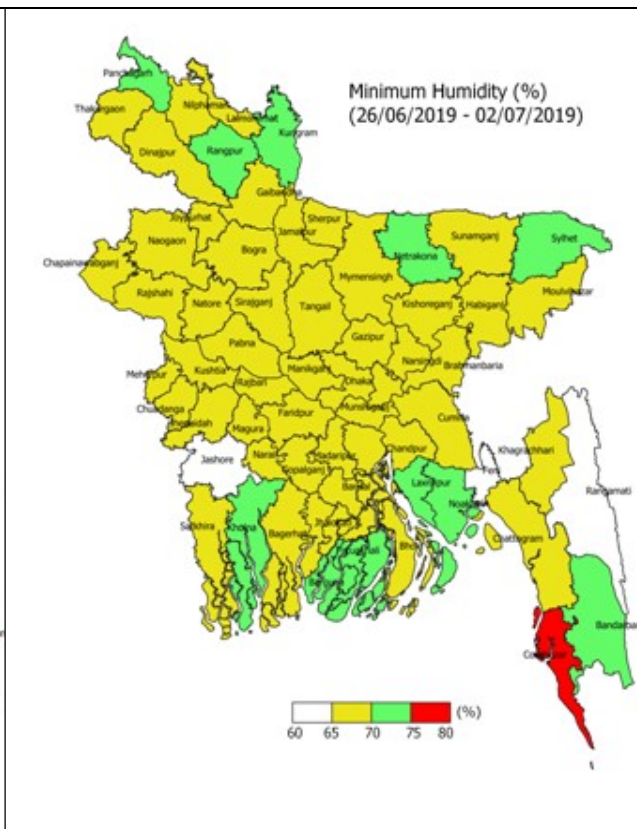
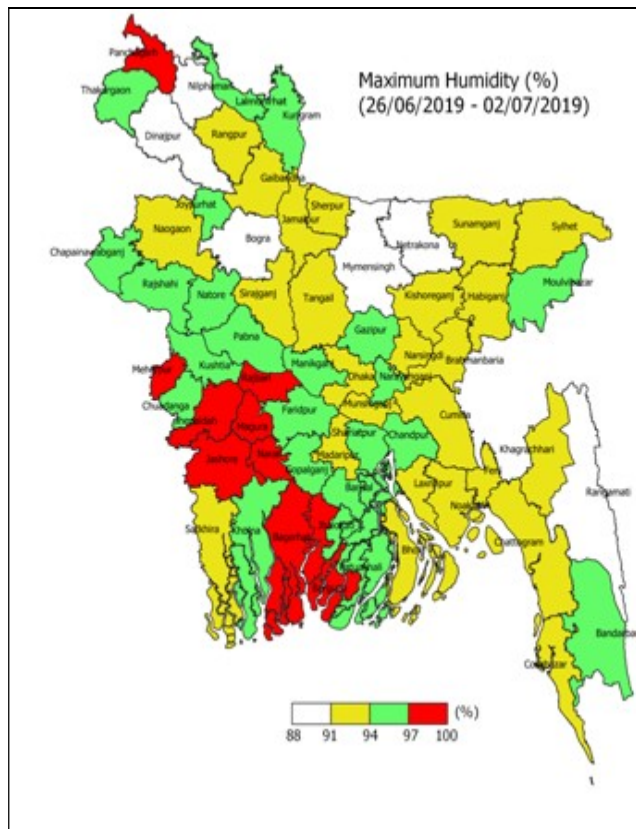
Forecast: Light to moderate rain/thunder showers accompanied by temporary gusty wind is likely to occur at most places over Khulna, Barishal & Chattogram divisions; at many places over Dhaka & Rajshahi divisions and at a few places over Mymensingh, Rangpur & Sylhet divisions with moderately heavy to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

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

Spatial Distribution of weather parameters for the Week ending 02th July 2019





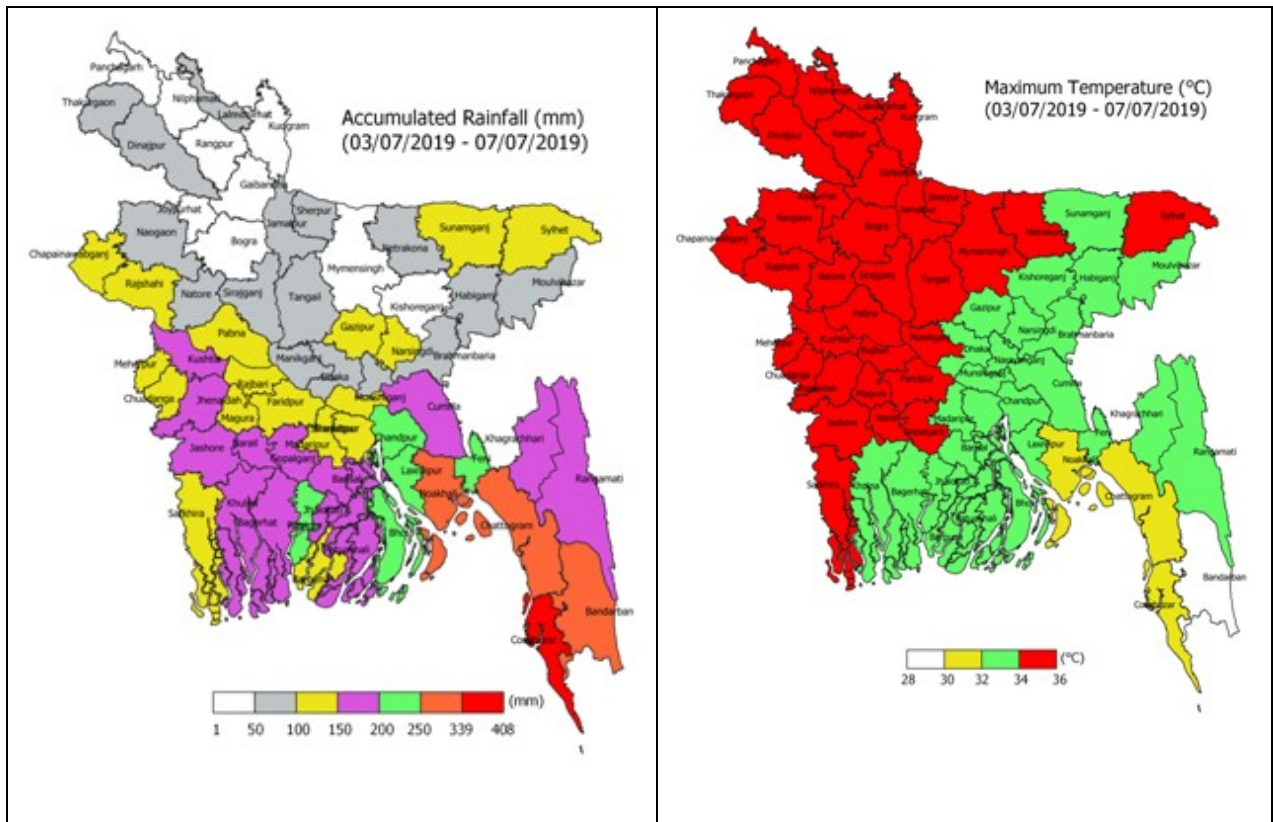


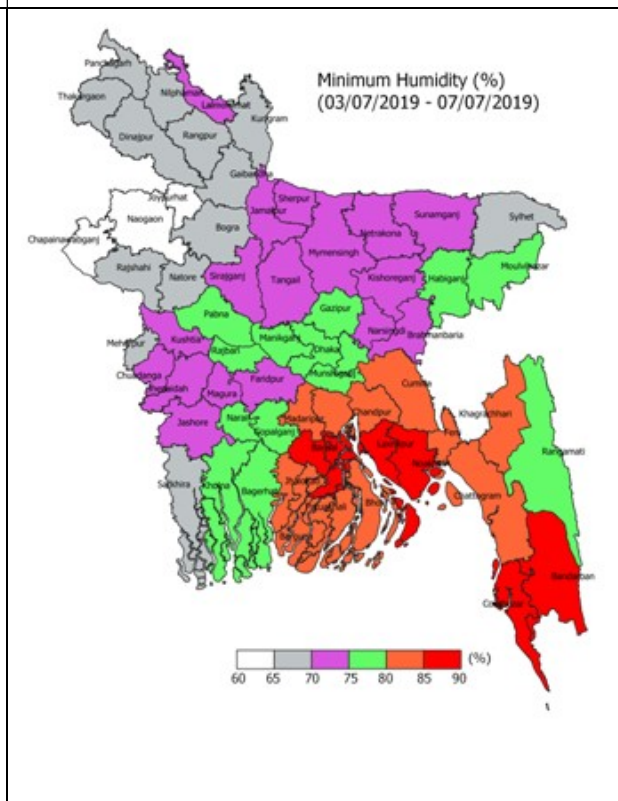
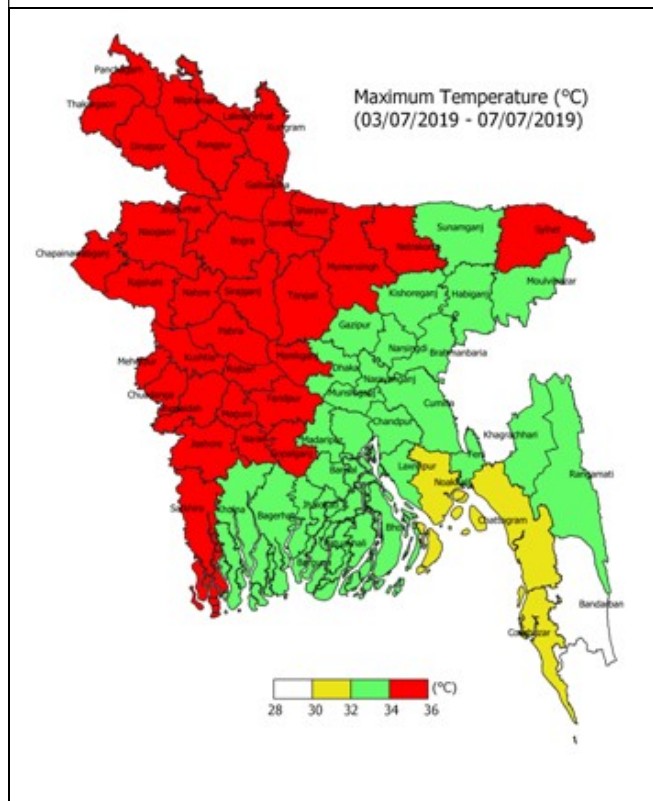
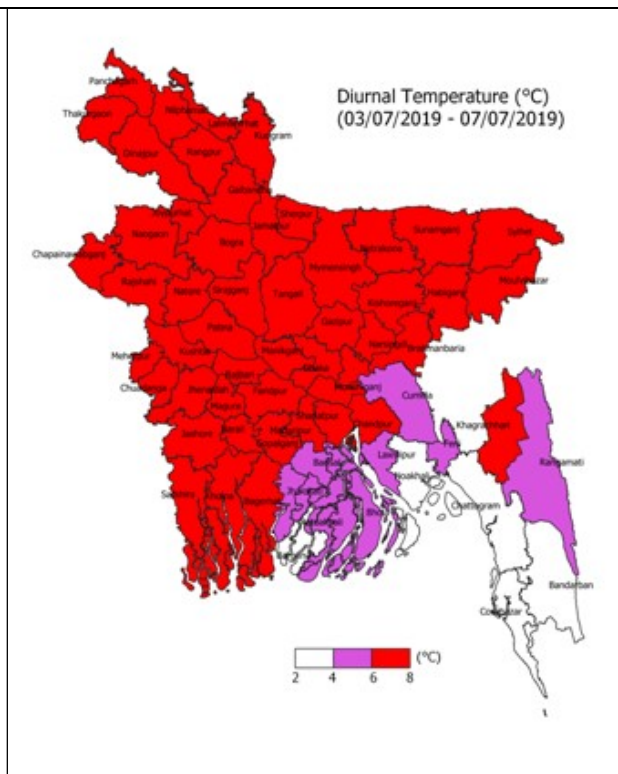
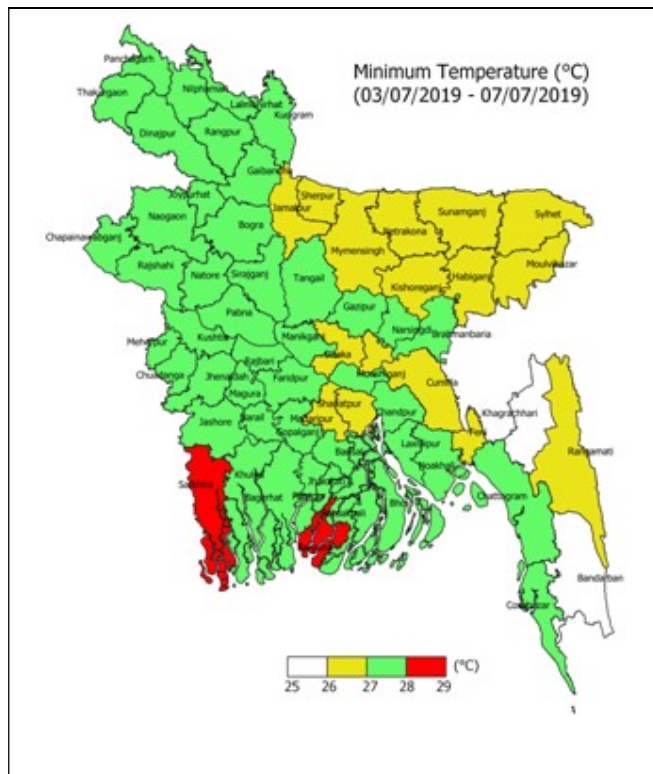
Weather Forecast and Advisory for the Period of 01.07.2019 to 07.07.2019

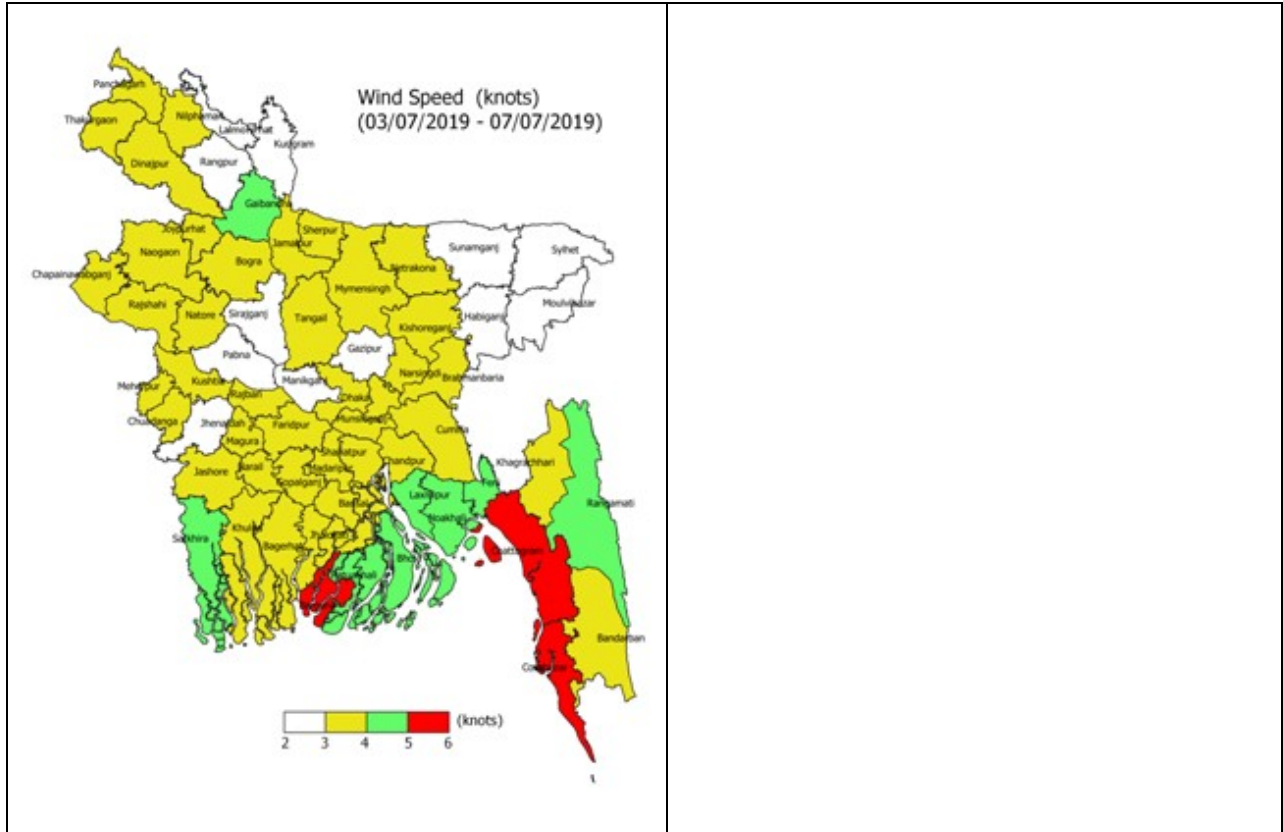
Bright sunshine hour is likely to be from 4.00 to 5.00 hours per day during this week. Average of free water loss during the next week is likely to be from 3.25 to 4.25 mm per day.

- Light (04-10 mm/d) to moderate (11-22 mm/d) rain/thunder shower is likely to occur at many places over the country, with a chance of moderately heavy (23-43 mm/d) to heavy (44-88 mm/d) falls at places over the southern part of the country during this period.
- Day temperature may fall slightly and night temperature may remain nearly unchanged over the country during this period.

District Wise Quantitative Weather Forecast for next Five days from 03 July -07 July'19

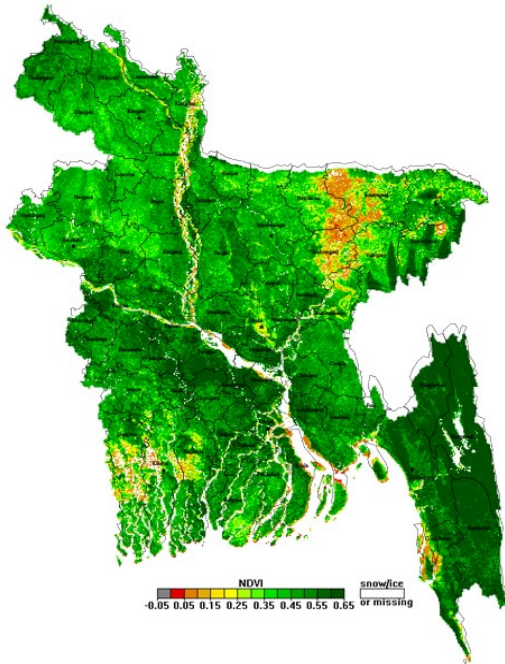




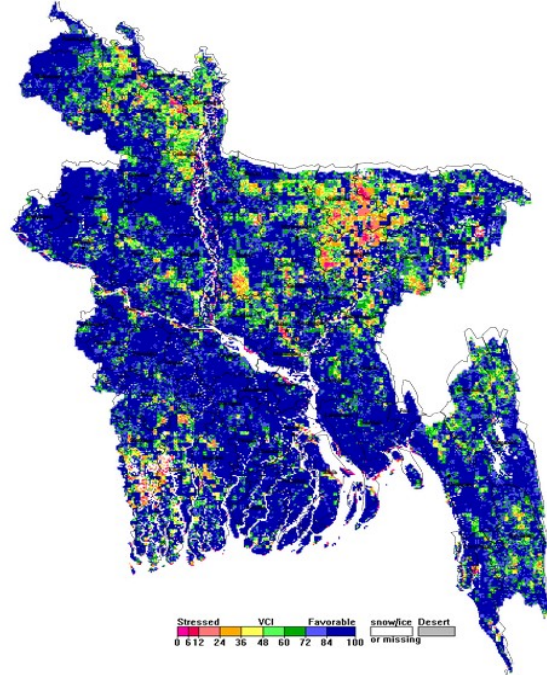


Different Satellite Products over Bangladesh

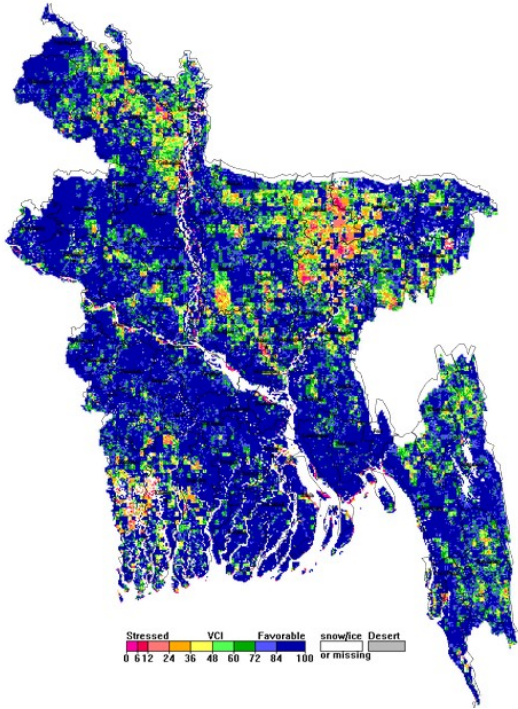
NOAA/VIIRS BLENDED NDVI composite for the week number No. 25 (18 June -24 June) over Agricultural regions of Bangladesh



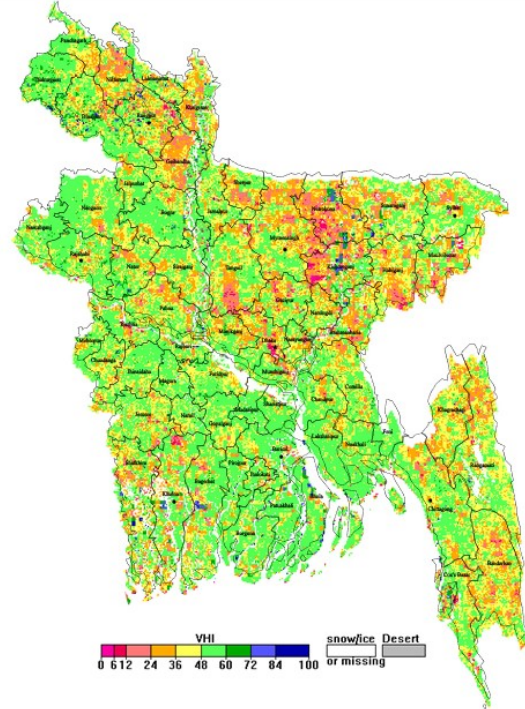
NOAA/ AVHRR BLENDED VCI composite for the week number No. 25 (18 June -24 June) over Agricultural regions of Bangladesh



NOAA/ AVHRR BLENDED TCI composite for the week number No. 25 (18 June -24 June) over Agricultural regions of Bangladesh

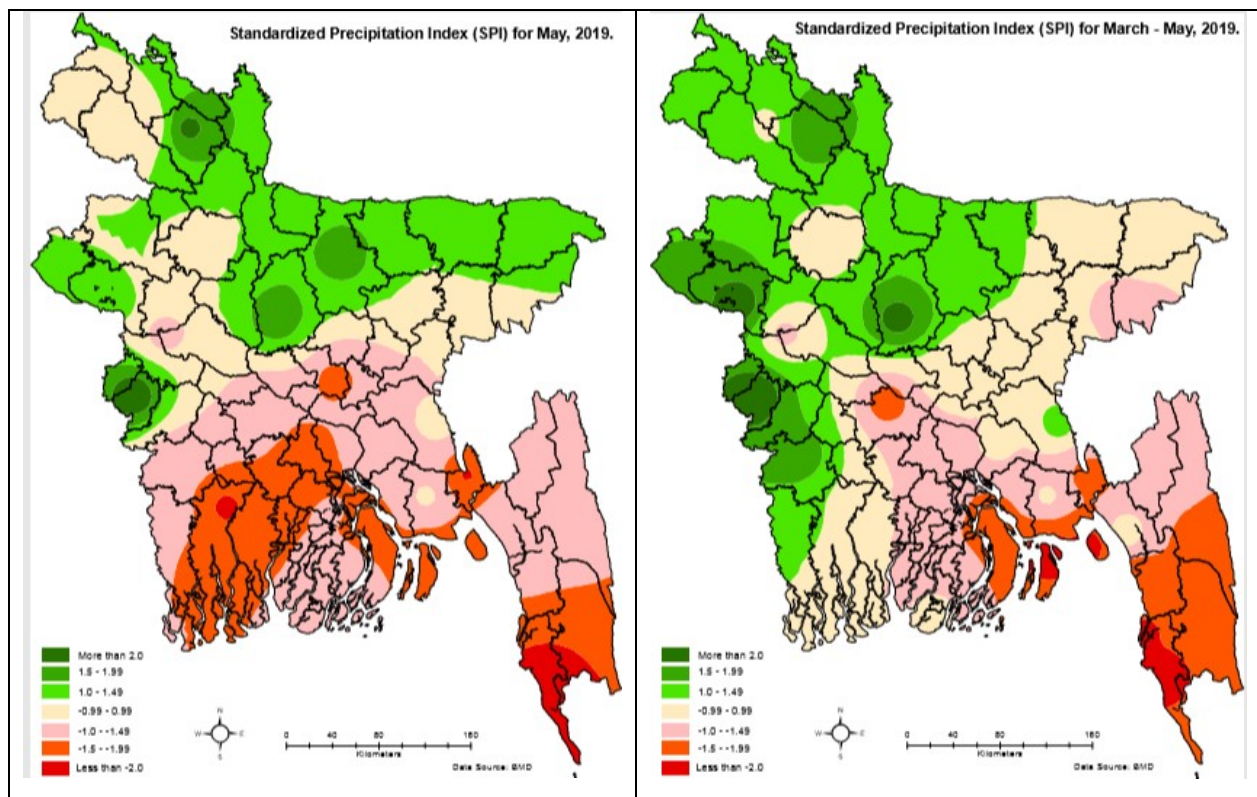


NOAA/ AVHRR BLENDED VHI composite for the week number No. 25 (18 June -24 June) over Agricultural regions of Bangladesh



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

It has been observed that during last three months as well as in May, normal conditions prevails in districts located in northwest, north as well as northeast parts of Bangladesh whereas the districts in south, southeast, southwest and some districts of central parts are under dry condition.



Source: Bangladesh Meteorological Department.

Flash Flood Monitoring in Haor Region (Source: Bangladesh Water Development Board)

RIVER SITUATION SUMMARY AS ON JULY 03, 2019

- The Brahmaputra-Jamuna and the Padma rivers are in rising trend, while the Ganges river is in steady state. The Surma-Kushiyara rivers are in falling trend.
- The Brahmaputra river may remain steady, while the Ganges river may fall in next 24 hours.
- The Jamuna and Padma rivers may continue rising in next 24 hours.
- The Surma-Kushiyara rivers may fall in next 24 hours.

General River Condition

Monitored Water Level Station	94	Inactive Gauge	01 (Gowainghat)
Rise	50	Gauge Reading Not Started	01 (Jagir)
Fall	39	Gauge Reading Missing	00
Steady	03	Total Not Reported	02
		Above Danger Level	00