



NATIONAL AGROMETEOROLOGICAL ADVISORY SERVICE BULLETIN

05 April 2023 (THURSDAY)
[FOR THE PERIOD 05.04.2023 – 09.04.2023]



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

Realized Weather at different locations in the country

Rainfall for last 24 hours (till 06 AM on 05 April 2023) and maximum temperature on 04 April and minimum temperature on 05 April 2023 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	34.0	26.4	Chattogram	Chattogram	00	31.8	25.3		
	Tangail	00	35.0	25.0		Sandwip	00	32.2	25.8		
	Faridpur	00	36.0	25.4		Sitakunda	00	xx	25.0		
	Madaripur	00	33.7	25.2		Rangamati	00	32.5	24.2		
	Gopalganj	00	34.0	26.3		Cumilla	00	32.3	25.2		
	Nikli	00	32.5	20.2		Chandpur	00	34.5	26.4		
Rajshahi	Rajshahi	00	36.8	23.5		M. Court	00	34.0	25.0		
	Ishurdi	00	36.5	25.0		Feni	00	33.8	24.2		
	Bogura	00	34.0	24.7		Hatiya	xx	32.7	xx		
	Badalgachhi	00	34.0	22.0		Cox's Bazar	00	32.5	25.5		
	Tarash	00	35.2	24.4		Kutubdia	00	31.4	20.5		
						Teknaf	00	32.3	20.0		
Rangpur	Rangpur	00	31.0	20.6		Bandarban		00	33.7	23.7	
	Dinajpur	00	31.0	20.2			Khulna	Khulna	00	35.5	26.5
	Sayedpur	00	30.7	19.8				Mongla	00	35.0	25.7
	Tetulia	00	29.6	18.9				Satkhira	00	34.8	26.7
	Dimla	01	29.9	19.4				Jashore	00	36.2	25.0
	Rajarhat	00	29.5	<u>18.8</u>				Chuadanga	00	<u>37.0</u>	23.5
				Kumarkhali	00	36.0		25.0			
Mymensingh	Mymensingh	00	33.3	23.0	Barishal	Barishal	00	34.3	25.5		
	Netrokona	00	31.7	22.5		Patuakhali	00	34.0	24.5		
Sylhet	Sylhet	<u>78</u>	29.0	20.5		Khepupara	00	32.8	26.3		
	Srimangal	00	33.0	22.7		Bhola	00	34.7	25.0		

Highlights:

- Country average bright sunshine hour was 6.57 hours per day during last week.
- Country average free water loss during the previous week was 3.24 mm per day.

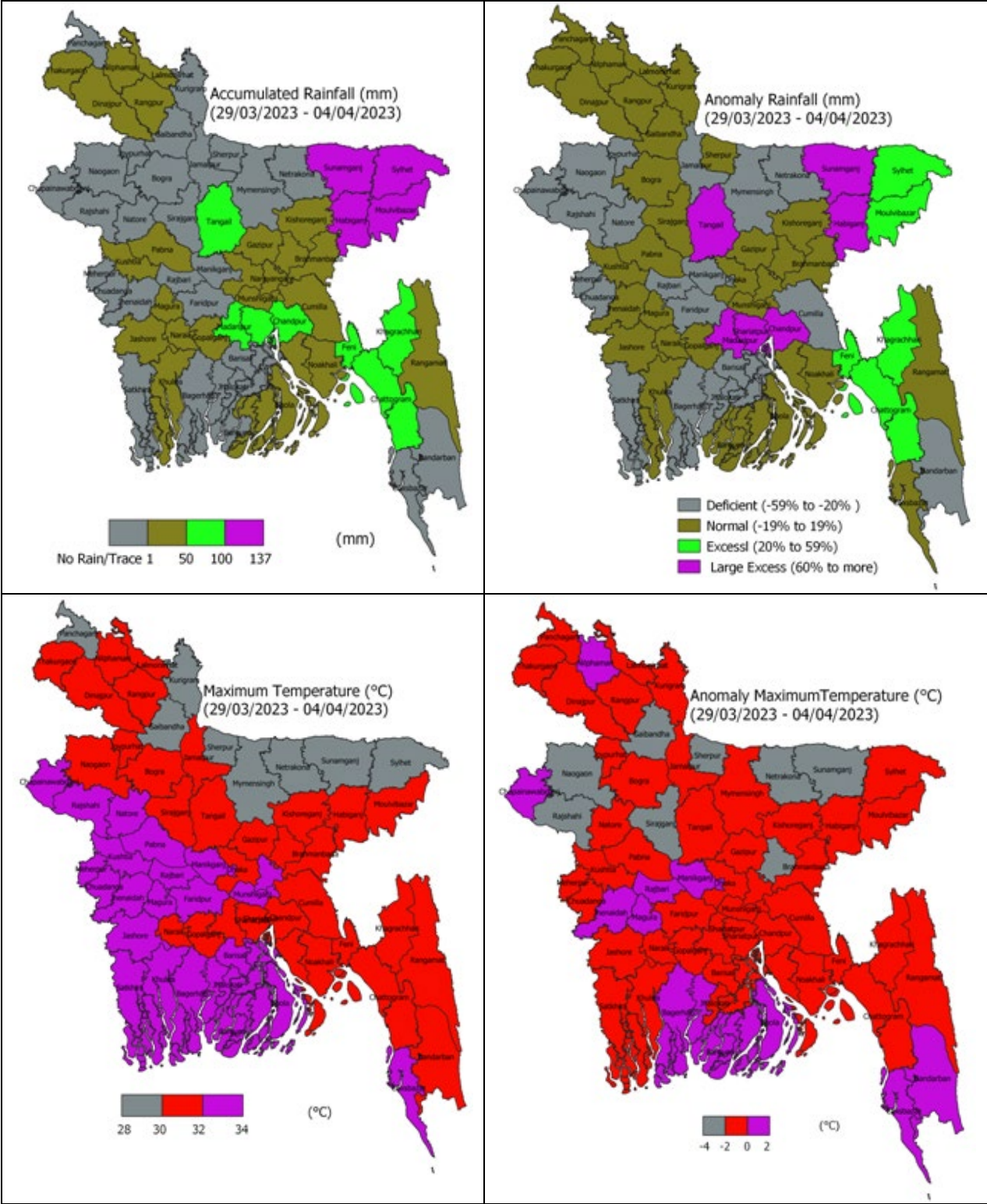
Weather Forecast Valid for 24 Hours commencing 06 PM Today:

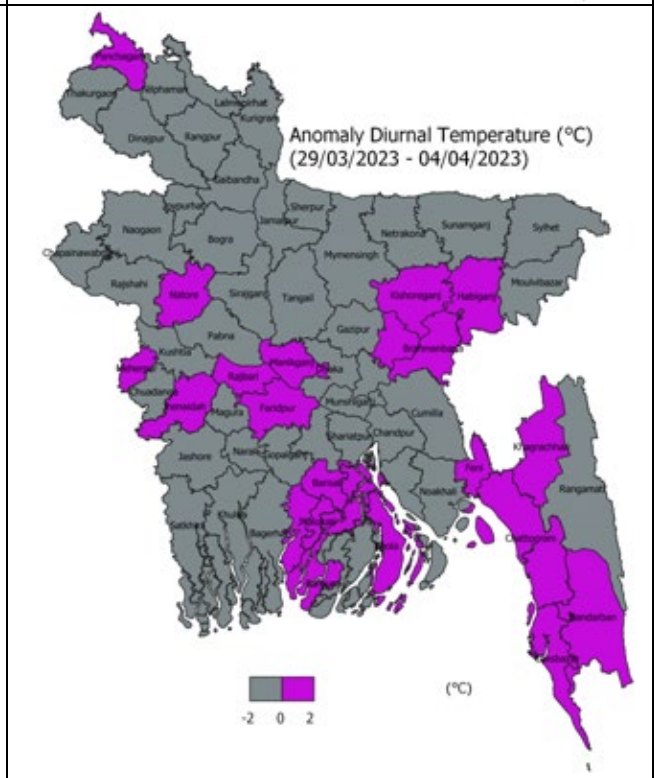
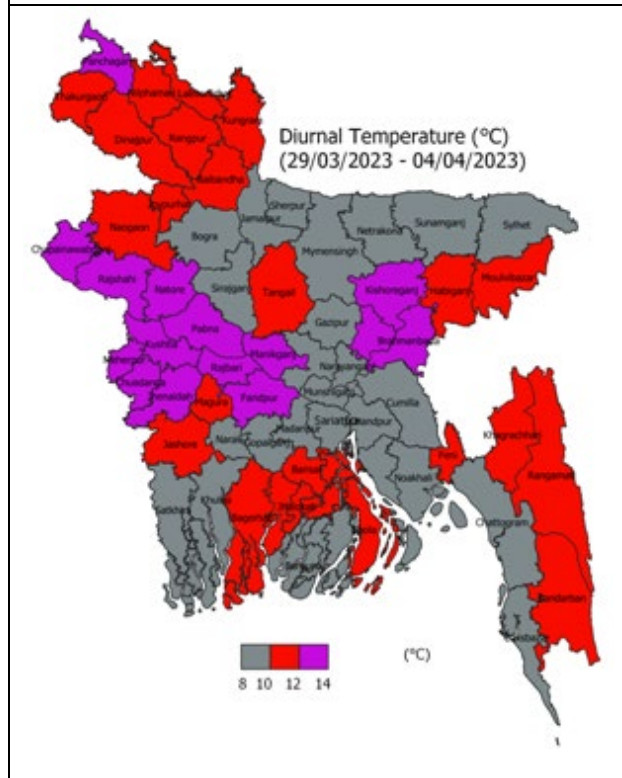
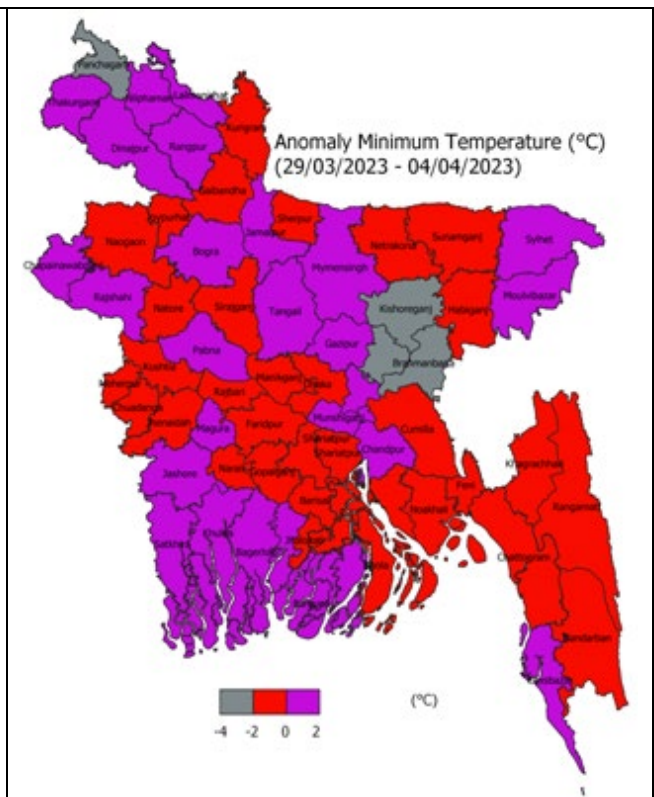
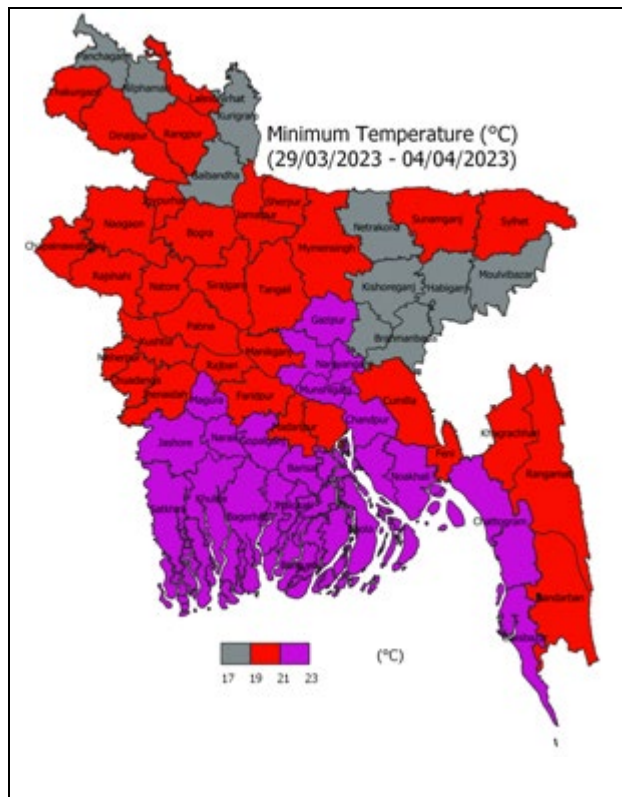
Forecast: Rain/thunder showers accompanied by temporary gusty/squally wind is likely to occur at one or two places over Chattogram & Sylhet divisions and weather may remain mainly dry with temporary partly cloudy sky elsewhere over the country.

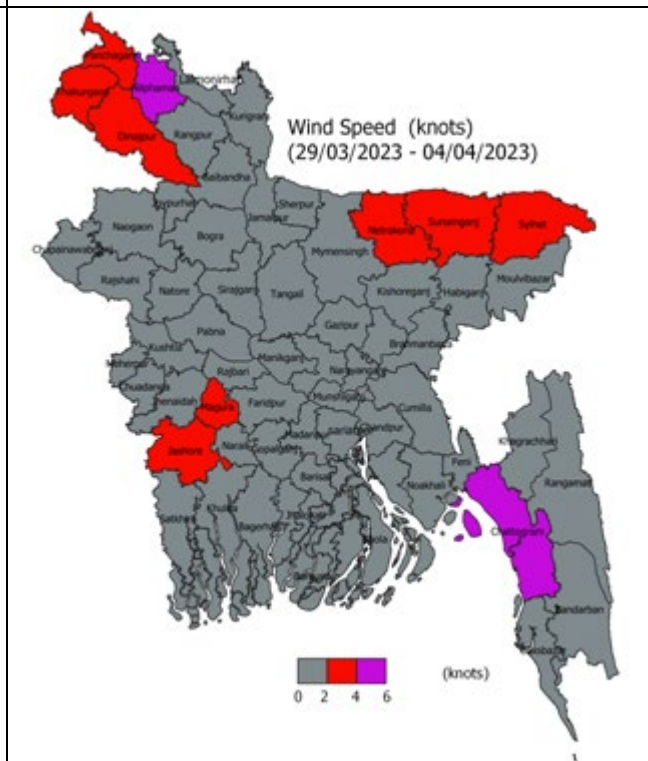
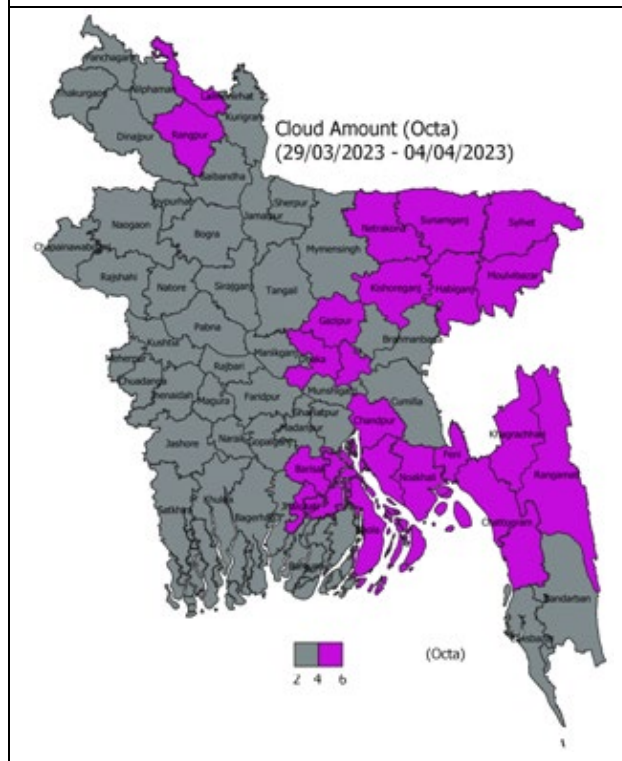
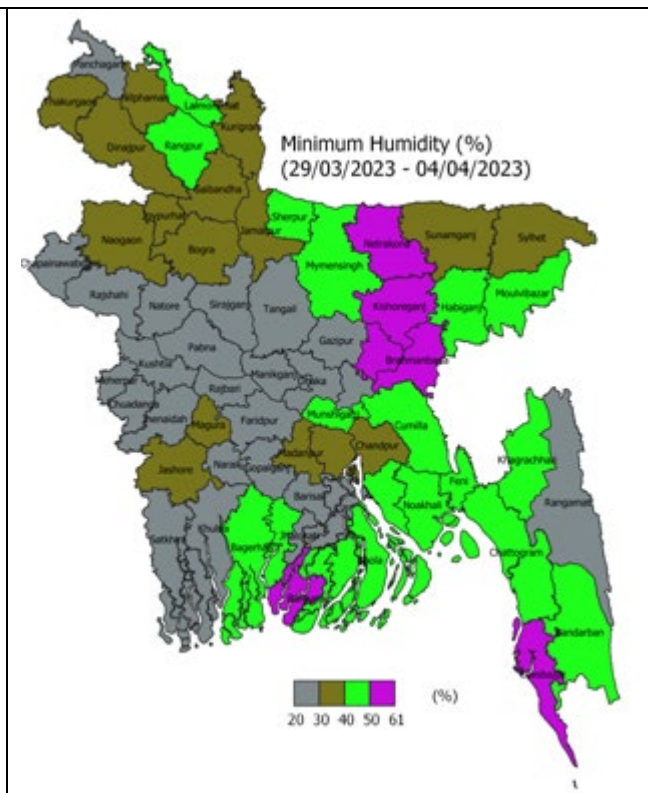
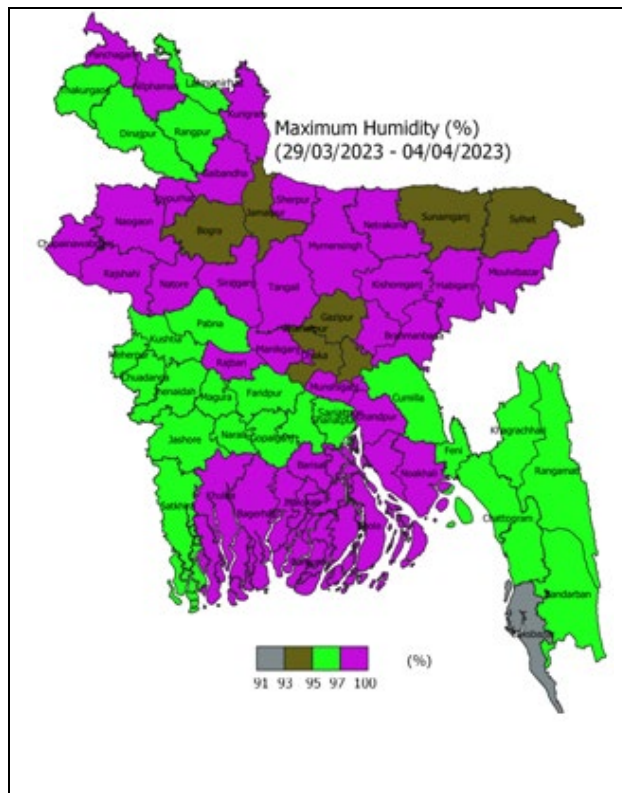
Heat Wave: Mild heat wave is sweeping over the districts of Faridpur, Rajshahi, Pabna, Jashore, Chuadanga and Kushtia and it may spread.

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 on 04 April 2023





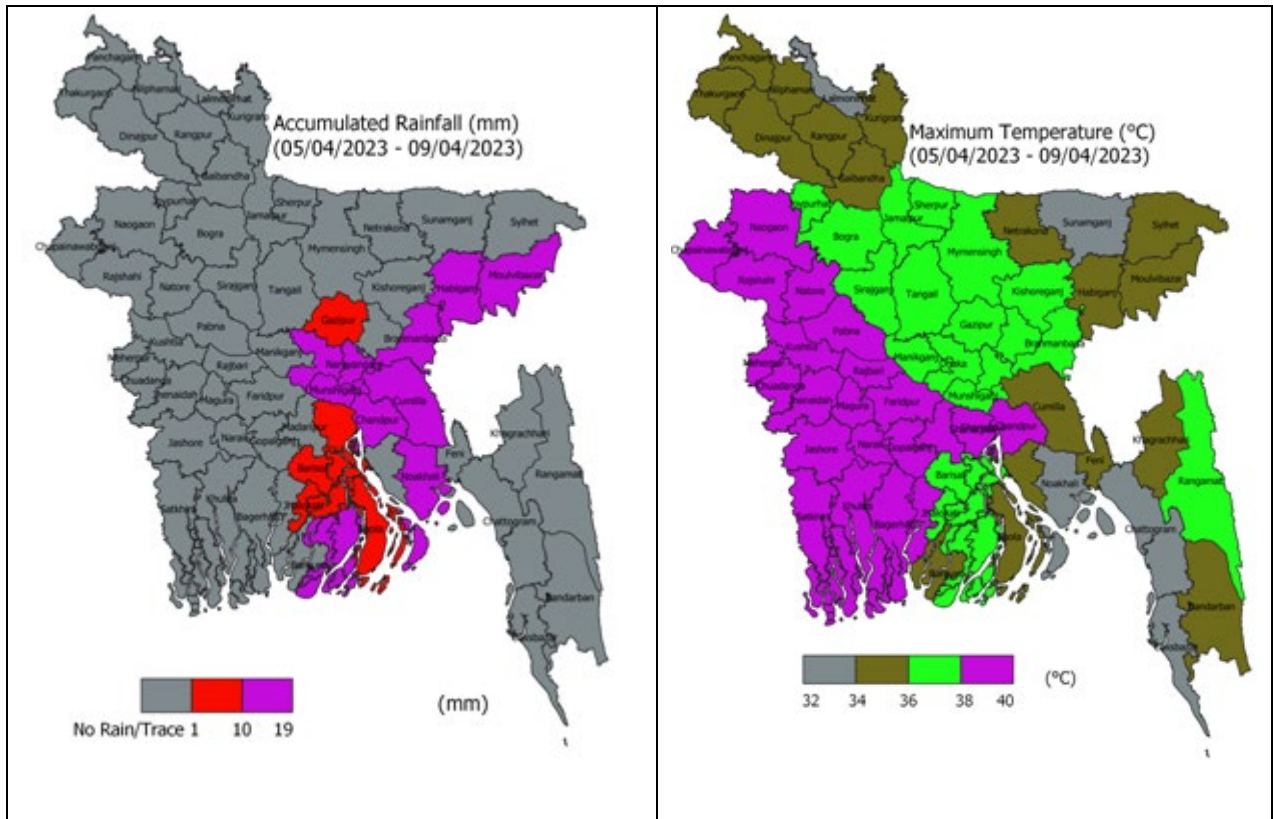


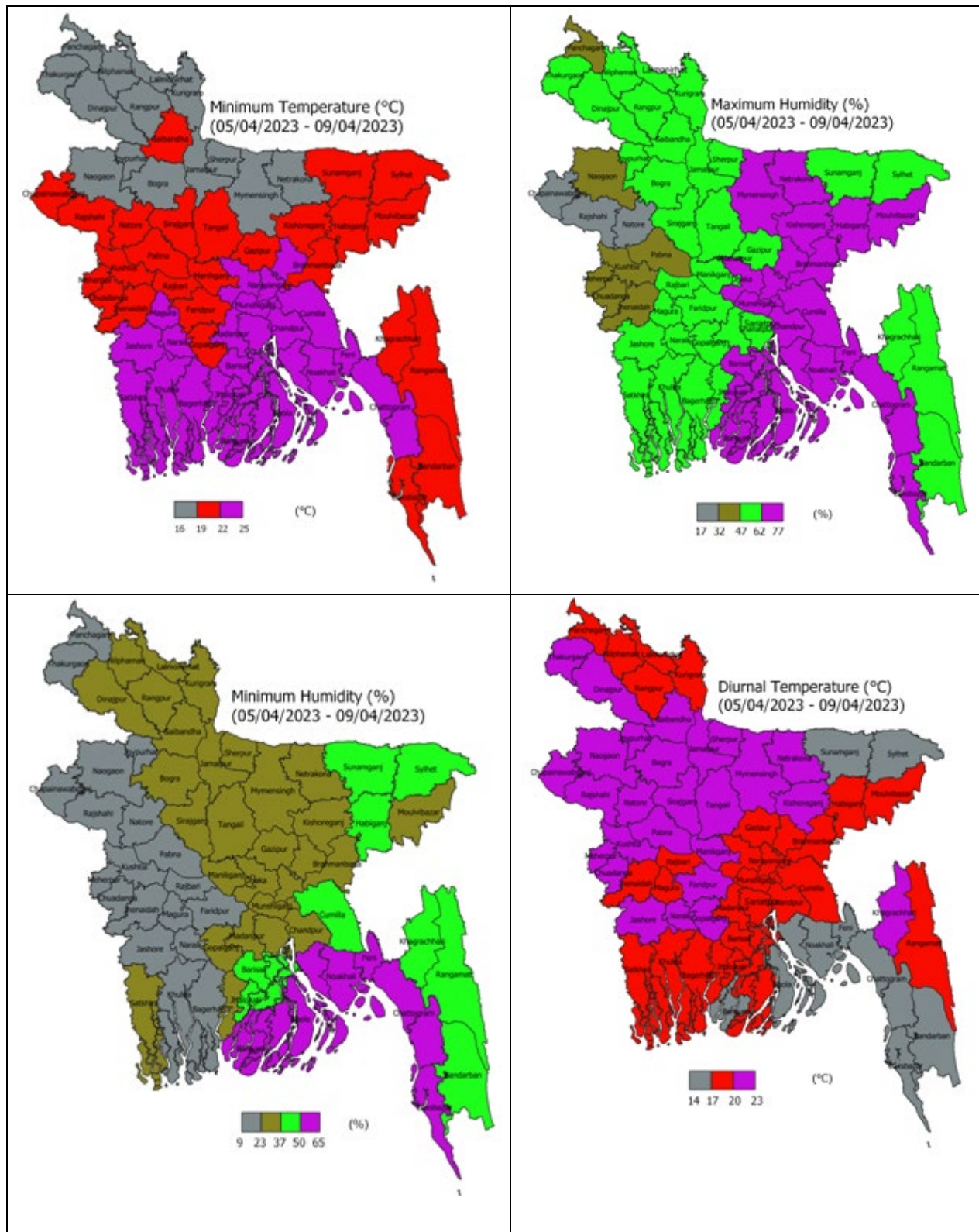
Weather Forecast and Advisory for the Period of 02.04.2023 to 08.04.2023

Bright sunshine hour is likely to be from 6.00 to 8.00 hours per day during this week. Average free water loss is likely to be from 2.50 to 4.50 mm per day during this week.

- Rain/thunder showers accompanied by temporary gusty wind & lightning flashes is likely to occur at a few places over Sylhet division and at one or two places over Dhaka, Mymensingh Barishal & Chattogram divisions and weather may remain mainly dry with temporary partly cloudy sky elsewhere over the country during the 1st half of this period.
- Weather may remain mainly dry with temporary partly cloudy sky over the country during the 2nd half of this period.
- Day and night temperature may rise by (2-4)^oc over the country during this period.

District Wise Quantitative Weather Forecast for next Five days from 05 April- 09 April 2023



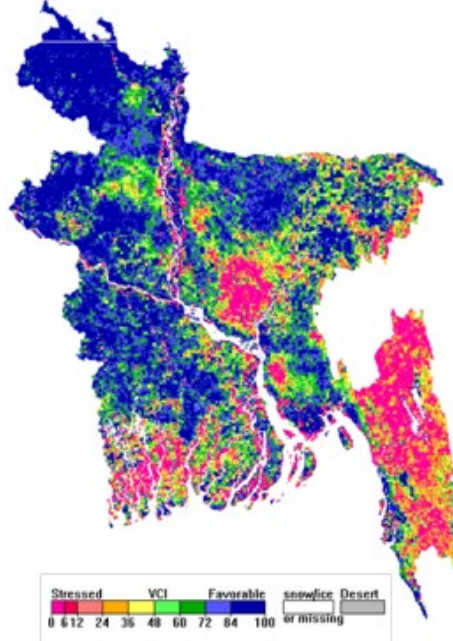


Different Satellite Products over Bangladesh

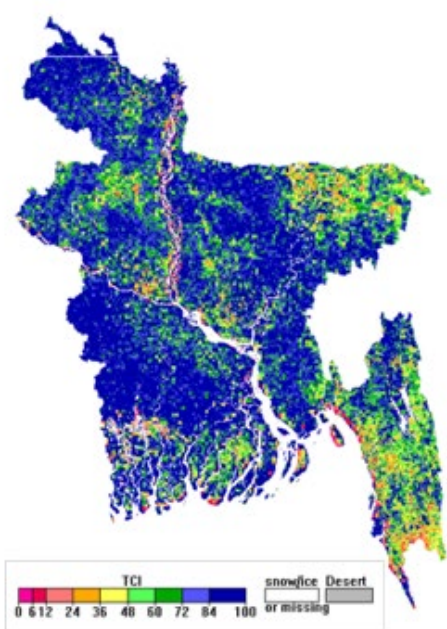
NOAA/VIIRS BLENDED NDVI composite for the week. No. 13 (26 March-01 April) over Agricultural regions of Bangladesh



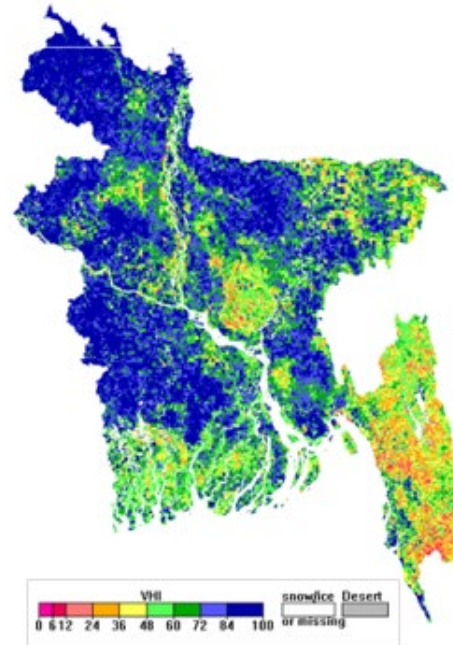
NOAA/ AVHRR BLENDED VCI composite for the week No. 13 (26 March-01 April) over Agricultural regions of Bangladesh



NOAA/ AVHRR BLENDED TCI composite for the week No. 13 (26 March-01 April) over Agricultural regions of Bangladesh



NOAA/ AVHRR BLENDED VHI composite for the week No. 13 (26 March-01 April) over Agricultural regions of Bangladesh



Agromet Advisories

According to the medium range forecast, light to moderate rainfall is likely to occur in some districts of the country in the next five days. The following agromet advisories are provided in these circumstances:

Rajshahi Region (Districts: Rajshahi, Chapainawabganj, Naogaon and Natore)

Jute

- **Stage:** Vegetative
- It is advised to keep jute field clean and weed free to avoid infestation from insect pests and diseases.
- Keep the drain and irrigation channel weed free and clean to avoid excess water to stand in the plot at growing stages.
- The prevailing weather conditions are congenial for incidence of Field cricket in Jute field. Farmers are advised to spray Chlorpyrephos 20EC @ 2.0 ml/liter water to control insect.
- There is chance of attack of Jute Yellow mite at this stage of Jute crop. Spray Sulphur (Thiovit 80WG) @ 3.5g/liter water.
- At this stage of crop, there is a chance of Jute hairy caterpillar and Jute semi looper attack. To control pest farmers are advised to hand pick the egg mass and destroy them by burning or in kerosinized water. In case of severe attack spray Diazinon 60EC @ 1.0ml/liter of water.
- Present weather conditions and at this stage of crop, the incidence of Seedling blight and Stem rot may be seen in the Jute field. To control this pest spray Mancozeb (Dithane M45/Indofil M45) @ 2g/litre of water on fair weather. All the plant protection measure should be taken at clear & sunny days.
- To protect deshi jute crop (>4 ft tall) from lodging due to 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.
- Monitor pest and disease incidences and take appropriate plant protection measures.
- Present weather condition is congenial for **Stem rot** infestation. Spray of Mancozeb @ 2gm/L Water

Rice Boro

- **Stage:** Grain Formation
- Arrange proper solarisation within the row by stirring the plants after each 2 rows.
- Remove water from land before pesticide application.
- At this stage of crop and climatic conditions, there is a chance of Rice bug incidences. For Rice bug control spray Carbaryl (85WP) @2g/liter or Chlorpyrephos (20EC) @ 2.0 ml/litre of water. Avoid excess irrigation in the field, in absence of rain otherwise the basal part of the plant will be rotten.
- If any infestation/attack /symptoms of Brown Plant Hoppers (BPH) insects are found, then should go for spray with insecticide like Isoprocarb @ 2.5g or Imidacloprid @ 2.0 ml. per litre water only in clear weather and when there is no forecasting of rains.

- Maintain 2-5 cm land water level.
- Apply irrigation.

Vegetable

- Because of increase in temperature, there is chance of sucking pest in vegetable crops. To control, application of Malathion 57EC/Dimathoate 40EC @ 1.0ml per litre of water is advised once a week.
- For control of fruit and shoot borer in brinjal under present weather condition, it is advised to apply Cypermethrin 10EC @ 0.5ml/litre or Emamectin Benzoate 5 SP @1.0g/litre or Deltamethrin 2.5EC @ 1.0ml/litre or Diazinon 60EC@ 1.0ml/litre water.
- Monitoring is advised for infestation of leaf hopper in okra during present weather condition. Spraying of Imidacloprid @ 0.5ml/litre or Cypermethrin 10EC @ 1.0ml/litre of water is recommended for control of leaf hopper.
- Apply Irrigation.

Horticultural

- The prevailing weather conditions are favorable for the incidence of fruit fly in mango. Farmers are advised to install 32 Pheromon traps /acre to control the fruit fly.
- There are chances of termite attack in the standing horticultural crops. Hence, to control, apply Chlorpyrephos 20 EC or Fipronil 5 SC @ 2.0 ml/litre for termites.
- It is advised to provide mechanical support in banana and papaya plants to prevent lodging due to gusty wind. Harvest the matured and undamaged banana bunches and papaya fruits under the present weather condition and spray Copper oxychloride @ 3 g per litre of water for control of fungal diseases.
- Apply Irrigation.

Livestock

- Give anthelmintic drugs.
- Use naphthalene or turpentine oil to reduce mosquitoes.
- Feed mineral mixture to increase immunity.
- Give enough cold water to drink.
- Keep the cattle in the safest place to protect them from storms, rain, and lightning.
- Keep enough ventilation in cowsheds.
- Keep the cowshed neat and clean.

Poultry

- Vaccinate if not vaccinated against Ranikhet, cholera, duck plague.
- Remove affected poultry if disease occurs.
- Use clean water or glucose saline in more heat.
- Keep the poultry shed clean and dry.

Fishery

- Maintain pond depth of 1-1.5 m.
- Apply fertilizers (per day- Urea 6gm, TSP 4gm per decimal).
- Give quality food according to the quantity of fish at a specific time and place every day.
- Making your fish food, maintain the percentage of proteins and other ingredients as per the formula.
- Observe the fish for getting fed.
- Monitor the growth of fish and disease by sampling every 15 days.
- If there were fish diseases or less growth, contact immediately the nearest Upazila fisheries office.

Rangpur Region (Districts: Rangpur, Kurigram, Gaibandha, Nilphamari, Lalmonirhat)

Jute

- **Stage:** Vegetative
- It is advised to keep jute field clean and weed free to avoid infestation from insect pests and diseases.
- Keep the drain and irrigation channel weed free and clean to avoid excess water to stand in the plot at growing stages.
- The prevailing weather conditions are congenial for incidence of Field cricket in Jute field. Farmers are advised to spray Chlorpyrephos 20EC @ 2.0 ml/liter water to control insect.
- There is chance of attack of Jute Yellow mite at this stage of Jute crop. Spray Sulphur (Thiovit 80WG) @ 3.5g/liter water.
- At this stage of crop, there is a chance of Jute hairy caterpillar and Jute semi looper attack. To control pest farmers are advised to hand pick the egg mass and destroy them by burning or in kerosinized water. In case of severe attack spray Diazinon 60EC @ 1.0ml/liter of water.
- Present weather conditions and at this stage of crop, the incidence of Seedling blight and Stem rot may be seen in the Jute field. To control this pest spray Mancozeb (Dithane M45/Indofil M45) @ 2g/litre of water on fair weather. All the plant protection measure should be taken at clear & sunny days.
- To protect deshi jute crop (>4 ft tall) from lodging due to 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.
- Monitor pest and disease incidences and take appropriate plant protection measures.
- Rain water harvesting should be done for jute retting

Rice Aus

- **Stage:** Transplanting / Recovery
- Apply irrigation.

Rice Boro

- **Stage:** Maturity to Harvesting

- Harvest the crop. After the harvest, immediately keep it in a safe and dry place for drying of grains.
- Drain out the water from the land 15 days before harvest.

Vegetable

- Because of increase in temperature, there is chance of sucking pest in vegetable crops. To control, application of Malathion 57EC/Dimathoate 40EC @ 1.0ml per litre of water is advised once a week.
- For control of fruit and shoot borer in brinjal under present weather condition, it is advised to apply Cypermethrin 10EC @ 0.5ml/litre or Emamectin Benzoate 5 SP @1.0g/litre or Deltamethrin 2.5EC @ 1.0ml/litre or Diazinon 60EC@ 1.0ml/litre water.
- Monitoring is advised for infestation of leaf hopper in okra during present weather condition. Spraying of Imidacloprid @ 0.5ml/litre or Cypermethrin 10EC @ 1.0ml/litre of water is recommended for control of leaf hopper.
- Apply light irrigation if required.

Horticultural

- The prevailing weather conditions are favorable for the incidence of fruit fly in mango. Farmers are advised to install 32 Pheromon traps /acre to control the fruit fly.
- There are chances of termite attack in the standing horticultural crops. Hence, to control, apply Chlorpyrephos 20 EC or Fipronil 5 SC @ 2.0 ml/litre for termites.
- It is advised to provide mechanical support in banana and papaya plants to prevent lodging due to gusty wind. Harvest the matured and undamaged banana bunches and papaya fruits under the present weather condition and spray Copper oxychloride @ 3 g per litre of water for control of fungal diseases.
- Apply light Irrigation.

Livestock

- Give anthelmintic drugs.
- Use naphthalene or turpentine oil to reduce mosquitoes.
- Feed mineral mixture to increase immunity.
- Give enough cold water to drink.
- Keep the cattle in the safest place to protect them from storms, rain, and lightning.
- Keep enough ventilation in cowsheds.
- Keep the cowshed neat and clean.

Poultry

- Vaccinate if not vaccinated against Ranikhet, cholera, duck plague.
- Remove affected poultry if disease occurs.
- Use clean water or glucose saline in more heat.
- Keep the poultry shed clean and dry.

Fishery

- Maintain pond depth of 1-1.5 m.
- Apply fertilizers (per day- Urea 6gm, TSP 4gm per decimal).
- Give quality food according to the quantity of fish at a specific time and place every day.
- Making your fish food, maintain the percentage of proteins and other ingredients as per the formula.
- Observe the fish for getting fed.
- Monitor the growth of fish and disease by sampling every 15 days.
- If there were fish diseases or less growth, contact immediately the nearest Upazila fisheries office.

Dinajpur Region (Districts: Dinajpur, Thakurgaon and Panchagarh)

Jute

- **Stage:** Vegetative
- It is advised to keep jute field clean and weed free to avoid infestation from insect pests and diseases.
- Keep the drain and irrigation channel weed free and clean to avoid excess water to stand in the plot at growing stages.
- The prevailing weather conditions are congenial for incidence of Field cricket in Jute field. Farmers are advised to spray Chlorpyrephos 20EC @ 2.0 ml/liter water to control insect.
- There is chance of attack of Jute Yellow mite at this stage of Jute crop. Spray Sulphur (Thiovit 80WG) @ 3.5g/liter water.
- At this stage of crop, there is a chance of Jute hairy caterpillar and Jute semi looper attack. To control pest farmers are advised to hand pick the egg mass and destroy them by burning or in kerosinized water. In case of severe attack spray Diazinon 60EC @ 1.0ml/liter of water.
- Present weather conditions and at this stage of crop, the incidence of Seedling blight and Stem rot may be seen in the Jute field. To control this pest spray Mancozeb (Dithane M45/Indofil M45) @ 2g/litre of water on fair weather. All the plant protection measure should be taken at clear & sunny days.
- To protect deshi jute crop (>4 ft tall) from lodging due to 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.
- Monitor pest and disease incidences and take appropriate plant protection measures.
- Rain water harvesting should be done for jute retting

Rice Aus

- **Stage:** Transplanting / Recovery
- Apply irrigation.

Rice Boro

- **Stage:** Maturity to Harvesting
- Harvest the crop. After the harvest, immediately keep it in a safe and dry place for drying of grains.
- Drain out the water from the land 15 days before harvest.

Vegetable

- Because of increase in temperature, there is chance of sucking pest in vegetable crops. To control, application of Malathion 57EC/Dimathoate 40EC @ 1.0ml per litre of water is advised once a week.
- For control of fruit and shoot borer in brinjal under present weather condition, it is advised to apply Cypermethrin 10EC @ 0.5ml/litre or Emamectin Benzoate 5 SP @1.0g/litre or Deltamethrin 2.5EC @ 1.0ml/litre or Diazinon 60EC@ 1.0ml/litre water.
- Monitoring is advised for infestation of leaf hopper in okra during present weather condition. Spraying of Imidacloprid @ 0.5ml/litre or Cypermethrin 10EC @ 1.0ml/litre of water is recommended for control of leaf hopper.
- Apply light irrigation if required.

Horticultural

- The prevailing weather conditions are favorable for the incidence of fruit fly in mango. Farmers are advised to install 32 Pheromon traps /acre to control the fruit fly.
- There are chances of termite attack in the standing horticultural crops. Hence, to control, apply Chlorpyrephos 20 EC or Fipronil 5 SC @ 2.0 ml/litre for termites.
- It is advised to provide mechanical support in banana and papaya plants to prevent lodging due to gusty wind. Harvest the matured and undamaged banana bunches and papaya fruits under the present weather condition and spray Copper oxychloride @ 3 g per litre of water for control of fungal diseases.
- Apply light Irrigation.

Livestock

- Give anthelmintic drugs.
- Use naphthalene or turpentine oil to reduce mosquitoes.
- Feed mineral mixture to increase immunity.
- Give enough cold water to drink.
- Keep the cattle in the safest place to protect them from storms, rain, and lightning.
- Keep enough ventilation in cowsheds.
- Keep the cowshed neat and clean.

Poultry

- Vaccinate if not vaccinated against Ranikhet, cholera, duck plague.
- Remove affected poultry if disease occurs.
- Use clean water or glucose saline in more heat.
- Keep the poultry shed clean and dry.

Fishery

- Maintain pond depth of 1-1.5 m.
- Apply fertilizers (per day- Urea 6gm, TSP 4gm per decimal).
- Give quality food according to the quantity of fish at a specific time and place every day.
- Making your fish food, maintain the percentage of proteins and other ingredients as per the formula.
- Observe the fish for getting fed.
- Monitor the growth of fish and disease by sampling every 15 days.
- If there were fish diseases or less growth, contact immediately the nearest Upazila fisheries office.

Bogura Region (Districts: Bogura, Joypurhat, Pabna, Sirajganj)

Jute

- **Stage:**Vegetative
- It is advised to keep jute field clean and weed free to avoid infestation from insect pests and diseases.
- Keep the drain and irrigation channel weed free and clean to avoid excess water to stand in the plot at growing stages.
- The prevailing weather conditions are congenial for incidence of Field cricket in Jute field. Farmers are advised to spray Chlorpyrephos 20EC @ 2.0 ml/liter water to control insect.
- There is chance of attack of Jute Yellow mite at this stage of Jute crop. Spray Sulphur (Thiovit 80WG) @ 3.5g/liter water.
- At this stage of crop, there is a chance of Jute hairy caterpillar and Jute semi looper attack.To control pest farmers are advised to hand pick the egg mass and destroy them by burning or in kerosinized water. In case of severe attack spray Diazinon 60EC @ 1.0ml/liter of water.
- Present weather conditions and at this stage of crop, the incidence of Seedling blight and Stem rot may be seen in the Jute field. To control this pest spray Mancozeb (Dithane M45/Indofil M45) @ 2g/litre of water on fair weather. All the plant protection measure should be taken at clear & sunny days.
- To protect deshi jute crop (>4 ft tall) from lodging due to 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.
- Monitor pest and disease incidences and take appropriate plant protection measures.

Rice Boro

- **Stage:** Heading
- Arrange proper solarisation within the row by stirring the plants after each 2 rows.
- Where seedlings are 90-110 days old apply last top dressing with urea and potash.
- There is a chance of attack of insect/pests like, Rice Stem borer, Rice hispa, etc. Constant monitoring is required for its level of incidences. If noticed, collect the adults using hand

net & destroy them by burying under soil or by burning. Also apply Carbofuran 5g @10kg / ha. or Diazinon 10g @17kg/ha. for its control.

- There is chance of Blast and brown spot attack due to light fog and raised temperature. . Apply Trooper 6.0g or Nativo 6.0g/litre water twice in 10-15 days.
- Keep the field and irrigation channel weed free.
- Maintain 2-5 cm land water level.
- Apply irrigation.
- Present weather condition is congenial for **Sheath rot** infestation. Nativo 75WG/ Trooper/Amister top 325sp /Hexaconazol @ 1ml/litre water.

Vegetable

- Because of increase in temperature, there is chance of sucking pest in vegetable crops. To control, application of Malathion 57EC/Dimathoate 40EC @ 1.0ml per litre of water is advised once a week.
- For control of fruit and shoot borer in brinjal under present weather condition, it is advised to apply Cypermethrin 10EC @ 0.5ml/litre or Emamectin Benzoate 5 SP @1.0g/litre or Deltamethrin 2.5EC @ 1.0ml/litre or Diazinon 60EC@ 1.0ml/litre water.
- Monitoring is advised for infestation of leaf hopper in okra during present weather condition. Spraying of Imidacloprid @ 0.5ml/litre or Cypermethrin 10EC @ 1.0ml/litre of water is recommended for control of leaf hopper.
- Apply Irrigation.

Horticultural

- The prevailing weather conditions are favorable for the incidence of fruit fly in mango. Farmers are advised to install 32 Pheromon traps /acre to control the fruit fly.
- There are chances of termite attack in the standing horticultural crops. Hence, to control, apply Chlorpyrephos 20 EC or Fipronil 5 SC @ 2.0 ml/litre for termites.
- It is advised to provide mechanical support in banana and papaya plants to prevent lodging due to gusty wind. Harvest the matured and undamaged banana bunches and papaya fruits under the present weather condition and spray Copper oxychloride @ 3 g per litre of water for control of fungal diseases.
- Apply Irrigation.

Livestock

- Give anthelmintic drugs.
- Use naphthalene or turpentine oil to reduce mosquitoes.
- Feed mineral mixture to increase immunity.
- Give enough cold water to drink.
- Keep the cattle in the safest place to protect them from storms, rain, and lightning.
- Keep enough ventilation in cowsheds.
- Keep the cowshed neat and clean.

Poultry

- Vaccinate if not vaccinated against Ranikhet, cholera, duck plague.
- Remove affected poultry if disease occurs.
- Use clean water or glucose saline in more heat.
- Keep the poultry shed clean and dry.

Fishery

- Maintain pond depth of 1-1.5 m.
- Apply fertilizers (per day- Urea 6gm, TSP 4gm per decimal).
- Give quality food according to the quantity of fish at a specific time and place every day.
- Making your fish food, maintain the percentage of proteins and other ingredients as per the formula.
- Observe the fish for getting fed.
- Monitor the growth of fish and disease by sampling every 15 days.
- If there were fish diseases or less growth, contact immediately the nearest Upazila fisheries office.

Sylhet Region (Districts: Sylhet, Moulvibazar, Sunamganj, Habiganj)

Vegetable

- Because of increase in temperature, there is chance of sucking pest in vegetable crops. To control, application of Malathion 57EC/Dimathoate 40EC @ 1.0ml per litre of water is advised once a week.
- For control of fruit and shoot borer in brinjal under present weather condition, it is advised to apply Cypermethrin 10EC @ 0.5ml/litre or Emamectin Benzoate 5 SP @1.0g/litre or Deltamethrin 2.5EC @ 1.0ml/litre or Diazinon 60EC@ 1.0ml/litre water.
- Monitoring is advised for infestation of leaf hopper in okra during present weather condition. Spraying of Imidacloprid @ 0.5ml/litre or Cypermethrin 10EC @ 1.0ml/litre of water is recommended for control of leaf hopper.
- Drain out excess water if any.
- Do not apply Irrigation.

Horticultural

- The prevailing weather conditions are favorable for the incidence of fruit fly in mango. Farmers are advised to install 32 Pheromon traps /acre to control the fruit fly.
- There are chances of termite attack in the standing horticultural crops. Hence, to control, apply Chlorpyrephos 20 EC or Fipronil 5 SC @ 2.0 ml/litre for termites.
- It is advised to provide mechanical support in banana and papaya plants to prevent lodging due to gusty wind. Harvest the matured and undamaged banana bunches and papaya fruits under the present weather condition and spray Copper oxychloride @ 3 g per litre of water for control of fungal diseases.
- Do not apply Irrigation.

Livestock

- Give anthelmintic drugs.
- Use naphthalene or turpentine oil to reduce mosquitoes.
- Feed mineral mixture to increase immunity.
- Give enough cold water to drink.
- Keep the cattle in the safest place to protect them from storms, rain, and lightning.
- Keep enough ventilation in cowsheds.
- Keep the cowshed neat and clean.

Poultry

- Vaccinate if not vaccinated against Ranikhet, cholera, duck plague.
- Remove affected poultry if disease occurs.
- Use clean water or glucose saline in more heat.
- Keep the poultry shed clean and dry.

Fishery

- Maintain pond depth of 1-1.5 m.
- Apply fertilizers (per day- Urea 6gm, TSP 4gm per decimal).
- Give quality food according to the quantity of fish at a specific time and place every day.
- Making your fish food, maintain the percentage of proteins and other ingredients as per the formula.
- Observe the fish for getting fed.
- Monitor the growth of fish and disease by sampling every 15 days.
- If there were fish diseases or less growth, contact immediately the nearest Upazila fisheries office.

Rangamati Region (Districts: Rangamati, Khagrachari and Bandarban)

Rice Aus

- **Stage:** Transplanting / Recovery
- Apply irrigation.
- Present weather condition is congenial for **Gall midge** infestation. Control measure: Carbofuran@10kg per ha.

Rice Boro

- **Stage:** Maturity to Harvesting
- Harvest the crop. After the harvest, immediately keep it in a safe and dry place for drying of grains.
- Drain out the water from the land 15 days before harvest.

Vegetable

- Because of increase in temperature, there is chance of sucking pest in vegetable crops. To control, application of Malathion 57EC/Dimathoate 40EC @ 1.0ml per litre of water is advised once a week.
- For control of fruit and shoot borer in brinjal under present weather condition, it is advised to apply Cypermethrin 10EC @ 0.5ml/litre or Emamectin Benzoate 5 SP @1.0g/litre or Deltamethrin 2.5EC @ 1.0ml/litre or Diazinon 60EC@ 1.0ml/litre water.
- Monitoring is advised for infestation of leaf hopper in okra during present weather condition. Spraying of Imidacloprid @ 0.5ml/litre or Cypermethrin 10EC @ 1.0ml/litre of water is recommended for control of leaf hopper.
- Apply light irrigation if required.

Horticultural

- The prevailing weather conditions are favorable for the incidence of fruit fly in mango. Farmers are advised to install 32 Pheromon traps /acre to control the fruit fly.
- There are chances of termite attack in the standing horticultural crops. Hence, to control, apply Chlorpyrephos 20 EC or Fipronil 5 SC @ 2.0 ml/litre for termites.
- It is advised to provide mechanical support in banana and papaya plants to prevent lodging due to gusty wind. Harvest the matured and undamaged banana bunches and papaya fruits under the present weather condition and spray Copper oxychloride @ 3 g per litre of water for control of fungal diseases.
- Apply light Irrigation.

Livestock

- Give anthelmintic drugs.
- Use naphthalene or turpentine oil to reduce mosquitoes.
- Feed mineral mixture to increase immunity.
- Give enough cold water to drink.
- Keep the cattle in the safest place to protect them from storms, rain, and lightning.
- Keep enough ventilation in cowsheds.
- Keep the cowshed neat and clean.

Poultry

- Vaccinate if not vaccinated against Ranikhet, cholera, duck plague.
- Remove affected poultry if disease occurs.
- Use clean water or glucose saline in more heat.
- Keep the poultry shed clean and dry.

Fishery

- Maintain pond depth of 1-1.5 m.
- Apply fertilizers (per day- Urea 6gm, TSP 4gm per decimal).
- Give quality food according to the quantity of fish at a specific time and place every day.

- Making your fish food, maintain the percentage of proteins and other ingredients as per the formula.
- Observe the fish for getting fed.
- Monitor the growth of fish and disease by sampling every 15 days.
- If there were fish diseases or less growth, contact immediately the nearest Upazila fisheries office.

Barishal Region (Districts: Jhalakati, Patuakhali, Pirujpur, Barguna, Barishal, Bhola)

Jute

- **Stage:**Vegetative
- It is advised to keep jute field clean and weed free to avoid infestation from insect pests and diseases.
- Keep the drain and irrigation channel weed free and clean to avoid excess water to stand in the plot at growing stages.
- The prevailing weather conditions are congenial for incidence of Field cricket in Jute field. Farmers are advised to spray Chlorpyrephos 20EC @ 2.0 ml/liter water to control insect.
- There is chance of attack of Jute Yellow mite at this stage of Jute crop. Spray Sulphur (Thiovit 80WG) @ 3.5g/liter water.
- At this stage of crop, there is a chance of Jute hairy caterpillar and Jute semi looper attack.To control pest farmers are advised to hand pick the egg mass and destroy them by burning or in kerosinized water. In case of severe attack spray Diazinon 60EC @ 1.0ml/liter of water.
- Present weather conditions and at this stage of crop, the incidence of Seedling blight and Stem rot may be seen in the Jute field. To control this pest spray Mancozeb (Dithane M45/Indofil M45) @ 2g/litre of water on fair weather. All the plant protection measure should be taken at clear & sunny days.
- To protect deshi jute crop (>4 ft tall) from lodging due to 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.
- Monitor pest and disease incidences and take appropriate plant protection measures.

Rice Aus

- **Stage:** Transplanting / Recovery
- Apply irrigation.

Rice Boro

- **Stage:** Maturity to Harvesting
- Harvest the crop. After the harvest, immediately keep it in a safe and dry place for drying of grains.
- Drain out the water from the land 15 days before harvest.

Vegetable

- Because of increase in temperature, there is chance of sucking pest in vegetable crops. To control, application of Malathion 57EC/Dimathoate 40EC @ 1.0ml per litre of water is advised once a week.
- For control of fruit and shoot borer in brinjal under present weather condition, it is advised to apply Cypermethrin 10EC @ 0.5ml/litre or Emamectin Benzoate 5 SP @1.0g/litre or Deltamethrin 2.5EC @ 1.0ml/litre or Diazinon 60EC@ 1.0ml/litre water.
- Monitoring is advised for infestation of leaf hopper in okra during present weather condition. Spraying of Imidacloprid @ 0.5ml/litre or Cypermethrin 10EC @ 1.0ml/litre of water is recommended for control of leaf hopper.
- Apply Irrigation.

Horticultural

- The prevailing weather conditions are favorable for the incidence of fruit fly in mango. Farmers are advised to install 32 Pheromon traps /acre to control the fruit fly.
- There are chances of termite attack in the standing horticultural crops. Hence, to control, apply Chlorpyrephos 20 EC or Fipronil 5 SC @ 2.0 ml/litre for termites.
- It is advised to provide mechanical support in banana and papaya plants to prevent lodging due to gusty wind. Harvest the matured and undamaged banana bunches and papaya fruits under the present weather condition and spray Copper oxychloride @ 3 g per litre of water for control of fungal diseases.
- Apply Irrigation.

Livestock

- Give anthelmintic drugs.
- Use naphthalene or turpentine oil to reduce mosquitoes.
- Feed mineral mixture to increase immunity.
- Give enough cold water to drink.
- Keep the cattle in the safest place to protect them from storms, rain, and lightning.
- Keep enough ventilation in cowsheds.
- Keep the cowshed neat and clean.

Poultry

- Vaccinate if not vaccinated against Ranikhet, cholera, duck plague.
- Remove affected poultry if disease occurs.
- Use clean water or glucose saline in more heat.
- Keep the poultry shed clean and dry.

Fishery

- Maintain pond depth of 1-1.5 m.
- Apply fertilizers (per day- Urea 6gm, TSP 4gm per decimal).
- Give quality food according to the quantity of fish at a specific time and place every day.

- Making your fish food, maintain the percentage of proteins and other ingredients as per the formula.
- Observe the fish for getting fed.
- Monitor the growth of fish and disease by sampling every 15 days.
- If there were fish diseases or less growth, contact immediately the nearest Upazila fisheries office.

Jashore Region (Districts: Jashore, Kushtia, Chuadanga, Jhenaidah, Meherpur, Magura)

Jute

- **Stage:** Germination to Emergence
- If there is enough soil moisture, start sowing of seeds. In case of less moisture during sowing, apply light irrigation and start sowing after soil reach in field capacity.
- Different varieties of Jute have their respective time for sowing. For Capsularis varieties optimum time of sowing is from February to April. On the other hand olitorius jute seeds are sown from 15 March to April.
- Jute seed being very small it requires fine tilth for better emergence and establishment of seedlings.
- Land is to be ploughed and laddered 5-6 times to obtain a fine seed bed. In termite and cricket infested fields, the soil is to be treated with Chlorpyrephos 20EC @ 10 L/ha.
- Make arrangements for drains around the crop fields as this will help to drain out excess water during heavy rainfall and also help in providing irrigation.
- During final land preparation and depending on variety apply per hectare 80-100 Kg Urea, 25-50 kg TSP, 30-60 kg Mop, 45-95 kg Gypsum and 11 kg Zinc Sulphate as basal dose.
- Treat seeds with provax-200 WP @ 4g/ kg seed for controlling seed born fungal diseases, viz. stem rot, black band, seed rot, seedling wilt, foot rot etc.

Rice Boro

- **Stage:** Tillering
- Keep the field and irrigation channel weed free. Weeding should be done before application of fertilizer and mixed the fertilizer with soil. Hand weeding or weedicides (viz. Rifit 500EC, Superhit 500 EC. etc. @ 134 ml/bigha) may be used for weed control.
- Apply urea 13 kg/bigha as first top dressing after 15-20 days of transplanting (4-5 tillers/hill).
- There is a chance of attack of insect/pests like, Rice stemborer, Rice hispa, etc. Constant monitoring is required for its level of incidences.
- If noticed, collect the adults using hand net & destroy them by burying under soil or by burning.
- To captivate & control the butterflies, place 2 Pheromone Traps/bigha. Also apply Carbofuran 5g @10kg / ha. or Diazinon 10g @17kg/ha. for its control.
- There is chance of Blast and brown spot attack due to light fog and raised temperature. Apply Trooper 6.0g or Nativo 6.0g/litre water twice in 10-15 days.
- Maintain 5-7 cm land water level.
- Apply irrigation.

- Present weather condition is congenial for **Gall midge** infestation. Apply Carbofuran@10kg per ha.

Vegetable

- Because of increase in temperature, there is chance of sucking pest in vegetable crops. To control, application of Malathion 57EC/Dimathoate 40EC @ 1.0ml per litre of water is advised once a week.
- For control of fruit and shoot borer in brinjal under present weather condition, it is advised to apply Cypermethrin 10EC @ 0.5ml/litre or Emamectin Benzoate 5 SP @1.0g/litre or Deltamethrin 2.5EC @ 1.0ml/litre or Diazinon 60EC@ 1.0ml/litre water.
- Monitoring is advised for infestation of leaf hopper in okra during present weather condition. Spraying of Imidacloprid @ 0.5ml/litre or Cypermethrin 10EC @ 1.0ml/litre of water is recommended for control of leaf hopper.
- Apply Irrigation.

Horticultural

- The prevailing weather conditions are favorable for the incidence of fruit fly in mango. Farmers are advised to install 32 Pheromon traps /acre to control the fruit fly.
- There are chances of termite attack in the standing horticultural crops. Hence, to control, apply Chlorpyrephos 20 EC or Fipronil 5 SC @ 2.0 ml/litre for termites.
- It is advised to provide mechanical support in banana and papaya plants to prevent lodging due to gusty wind. Harvest the matured and undamaged banana bunches and papaya fruits under the present weather condition and spray Copper oxychloride @ 3 g per litre of water for control of fungal diseases.
- Apply Irrigation.

Livestock

- Give anthelmintic drugs.
- Use naphthalene or turpentine oil to reduce mosquitoes.
- Feed mineral mixture to increase immunity.
- Give enough cold water to drink.
- Keep the cattle in the safest place to protect them from storms, rain, and lightning.
- Keep enough ventilation in cowsheds.
- Keep the cowshed neat and clean.

Poultry

- Vaccinate if not vaccinated against Ranikhet, cholera, duck plague.
- Remove affected poultry if disease occurs.
- Use clean water or glucose saline in more heat.
- Keep the poultry shed clean and dry.

Fishery

- Maintain pond depth of 1-1.5 m.
- Apply fertilizers (per day- Urea 6gm, TSP 4gm per decimal).
- Give quality food according to the quantity of fish at a specific time and place every day.
- Making your fish food, maintain the percentage of proteins and other ingredients as per the formula.
- Observe the fish for getting fed.
- Monitor the growth of fish and disease by sampling every 15 days.
- If there were fish diseases or less growth, contact immediately the nearest Upazila fisheries office.

Faridpur Region (Districts: Faridpur, Rajbari, Madaripur, Shariatpur and Gopalganj)

Jute

- **Stage:** Vegetative
- It is advised to keep jute field clean and weed free to avoid infestation from insect pests and diseases.
- Keep the drain and irrigation channel weed free and clean to avoid excess water to stand in the plot at growing stages.
- The prevailing weather conditions are congenial for incidence of Field cricket in Jute field. Farmers are advised to spray Chlorpyrephos 20EC @ 2.0 ml/liter water to control insect.
- There is chance of attack of Jute Yellow mite at this stage of Jute crop. Spray Sulphur (Thiovit 80WG) @ 3.5g/liter water.
- At this stage of crop, there is a chance of Jute hairy caterpillar and Jute semi looper attack. To control pest farmers are advised to hand pick the egg mass and destroy them by burning or in kerosinized water. In case of severe attack spray Diazinon 60EC @ 1.0ml/liter of water.
- Present weather conditions and at this stage of crop, the incidence of Seedling blight and Stem rot may be seen in the Jute field. To control this pest spray Mancozeb (Dithane M45/Indofil M45) @ 2g/litre of water on fair weather. All the plant protection measure should be taken at clear & sunny days.
- To protect deshi jute crop (>4 ft tall) from lodging due to 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.
- Monitor pest and disease incidences and take appropriate plant protection measures.

Rice Aus

- **Stage:** Transplanting / Recovery
- Apply irrigation.

Vegetable

- Because of increase in temperature, there is chance of sucking pest in vegetable crops. To control, application of Malathion 57EC/Dimathoate 40EC @ 1.0ml per litre of water is advised once a week.

- For control of fruit and shoot borer in brinjal under present weather condition, it is advised to apply Cypermethrin 10EC @ 0.5ml/litre or Emamectin Benzoate 5 SP @1.0g/litre or Deltamethrin 2.5EC @ 1.0ml/litre or Diazinon 60EC@ 1.0ml/litre water.
- Monitoring is advised for infestation of leaf hopper in okra during present weather condition. Spraying of Imidacloprid @ 0.5ml/litre or Cypermethrin 10EC @ 1.0ml/litre of water is recommended for control of leaf hopper.
- Apply Irrigation.

Horticultural

- The prevailing weather conditions are favorable for the incidence of fruit fly in mango. Farmers are advised to install 32 Pheromon traps /acre to control the fruit fly.
- There are chances of termite attack in the standing horticultural crops. Hence, to control, apply Chlorpyrephos 20 EC or Fipronil 5 SC @ 2.0 ml/litre for termites.
- It is advised to provide mechanical support in banana and papaya plants to prevent lodging due to gusty wind. Harvest the matured and undamaged banana bunches and papaya fruits under the present weather condition and spray Copper oxychloride @ 3 g per litre of water for control of fungal diseases.
- Apply Irrigation.

Livestock

- Give anthelmintic drugs.
- Use naphthalene or turpentine oil to reduce mosquitoes.
- Feed mineral mixture to increase immunity.
- Give enough cold water to drink.
- Keep the cattle in the safest place to protect them from storms, rain, and lightning.
- Keep enough ventilation in cowsheds.
- Keep the cowshed neat and clean.

Poultry

- Vaccinate if not vaccinated against Ranikhet, cholera, duck plague.
- Remove affected poultry if disease occurs.
- Use clean water or glucose saline in more heat.
- Keep the poultry shed clean and dry.

Fishery

- Maintain pond depth of 1-1.5 m.
- Apply fertilizers (per day- Urea 6gm, TSP 4gm per decimal).
- Give quality food according to the quantity of fish at a specific time and place every day.
- Making your fish food, maintain the percentage of proteins and other ingredients as per the formula.
- Observe the fish for getting fed.
- Monitor the growth of fish and disease by sampling every 15 days.

- If there were fish diseases or less growth, contact immediately the nearest Upazila fisheries office.

Dhaka Region (Districts: Dhaka, Tangail, Gazipur, Narsingdi, Narayanganj, Munshiganj, Manikgonj)

Jute

- **Stage:** Vegetative
- It is advised to keep jute field clean and weed free to avoid infestation from insect pests and diseases.
- Keep the drain and irrigation channel weed free and clean to avoid excess water to stand in the plot at growing stages.
- The prevailing weather conditions are congenial for incidence of Field cricket in Jute field. Farmers are advised to spray Chlorpyrephos 20EC @ 2.0 ml/liter water to control insect.
- There is chance of attack of Jute Yellow mite at this stage of Jute crop. Spray Sulphur (Thiovit 80WG) @ 3.5g/liter water.
- At this stage of crop, there is a chance of Jute hairy caterpillar and Jute semi looper attack. To control pest farmers are advised to hand pick the egg mass and destroy them by burning or in kerosinized water. In case of severe attack spray Diazinon 60EC @ 1.0ml/liter of water.
- Present weather conditions and at this stage of crop, the incidence of Seedling blight and Stem rot may be seen in the Jute field. To control this pest spray Mancozeb (Dithane M45/Indofil M45) @ 2g/litre of water on fair weather. All the plant protection measure should be taken at clear & sunny days.
- To protect deshi jute crop (>4 ft tall) from lodging due to 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.
- Monitor pest and disease incidences and take appropriate plant protection measures.

Vegetable

- Because of increase in temperature, there is chance of sucking pest in vegetable crops. To control, application of Malathion 57EC/Dimathoate 40EC @ 1.0ml per litre of water is advised once a week.
- For control of fruit and shoot borer in brinjal under present weather condition, it is advised to apply Cypermethrin 10EC @ 0.5ml/litre or Emamectin Benzoate 5 SP @1.0g/litre or Deltamethrin 2.5EC @ 1.0ml/litre or Diazinon 60EC@ 1.0ml/litre water.
- Monitoring is advised for infestation of leaf hopper in okra during present weather condition. Spraying of Imidacloprid @ 0.5ml/litre or Cypermethrin 10EC @ 1.0ml/litre of water is recommended for control of leaf hopper.
- Apply Irrigation.

Horticultural

- The prevailing weather conditions are favorable for the incidence of fruit fly in mango. Farmers are advised to install 32 Pheromon traps /acre to control the fruit fly.
- There are chances of termite attack in the standing horticultural crops. Hence, to control, apply Chlorpyrephos 20 EC or Fipronil 5 SC @ 2.0 ml/litre for termites.
- It is advised to provide mechanical support in banana and papaya plants to prevent lodging due to gusty wind. Harvest the matured and undamaged banana bunches and papaya fruits under the present weather condition and spray Copper oxychloride @ 3 g per litre of water for control of fungal diseases.
- Apply Irrigation.

Livestock

- Give anthelmintic drugs.
- Use naphthalene or turpentine oil to reduce mosquitoes.
- Feed mineral mixture to increase immunity.
- Give enough cold water to drink.
- Keep the cattle in the safest place to protect them from storms, rain, and lightning.
- Keep enough ventilation in cowsheds.
- Keep the cowshed neat and clean.

Poultry

- Vaccinate if not vaccinated against Ranikhet, cholera, duck plague.
- Remove affected poultry if disease occurs.
- Use clean water or glucose saline in more heat.
- Keep the poultry shed clean and dry.

Fishery

- Maintain pond depth of 1-1.5 m.
- Apply fertilizers (per day- Urea 6gm, TSP 4gm per decimal).
- Give quality food according to the quantity of fish at a specific time and place every day.
- Making your fish food, maintain the percentage of proteins and other ingredients as per the formula.
- Observe the fish for getting fed.
- Monitor the growth of fish and disease by sampling every 15 days.
- If there were fish diseases or less growth, contact immediately the nearest Upazila fisheries office.

Chattogram region (Districts: Chattogram, Lakshmipur, Coxsbazar, Noakhali and Feni)

Rice Aus

- **Stage:** Transplanting / Recovery
- Do not apply irrigation.

Rice Boro

- **Stage:** Maturity to Harvesting
- Harvest the crop. After the harvest, immediately keep it in a safe and dry place for drying of grains.
- Drain out the water from the land 15 days before harvest.

Vegetable

- For control of fruit and shoot borer in brinjal under present weather condition, it is advised to apply Cypermethrin 10EC @ 0.5ml/litre or Emamectin Benzoate 5 SP @1.0g/litre or Deltamethrin 2.5EC @ 1.0ml/litre or Diazinon 60EC@ 1.0ml/litre water.
- Monitoring is advised for infestation of leaf hopper in okra during present weather condition. Spraying of Imidacloprid @ 0.5ml/litre or Cypermethrin 10EC @ 1.0ml/litre of water is recommended for control of leaf hopper.
- Drain out excess water if any.
- Do not apply Irrigation.

Horticultural

- The prevailing weather conditions are favorable for the incidence of fruit fly in mango. Farmers are advised to install 32 Pheromon traps /acre to control the fruit fly.
- There are chances of termite attack in the standing horticultural crops. Hence, to control, apply Chlorpyrephos 20 EC or Fipronil 5 SC @ 2.0 ml/litre for termites.
- It is advised to provide mechanical support in banana and papaya plants to prevent lodging due to gusty wind. Harvest the matured and undamaged banana bunches and papaya fruits under the present weather condition and spray Copper oxychloride @ 3 g per litre of water for control of fungal diseases.
- Do not apply Irrigation.

Livestock

- Give anthelmintic drugs.
- Use naphthalene or turpentine oil to reduce mosquitoes.
- Feed mineral mixture to increase immunity.
- Give enough cold water to drink.
- Keep the cattle in the safest place to protect them from storms, rain, and lightning.
- Keep enough ventilation in cowsheds.
- Keep the cowshed neat and clean.

Poultry

- Vaccinate if not vaccinated against Ranikhet, cholera, duck plague.
- Remove affected poultry if disease occurs.
- Use clean water or glucose saline in more heat.
- Keep the poultry shed clean and dry.

Fishery

- Maintain pond depth of 1-1.5 m.
- Apply fertilizers (per day- Urea 6gm, TSP 4gm per decimal).
- Give quality food according to the quantity of fish at a specific time and place every day.
- Making your fish food, maintain the percentage of proteins and other ingredients as per the formula.
- Observe the fish for getting fed.
- Monitor the growth of fish and disease by sampling every 15 days.
- If there were fish diseases or less growth, contact immediately the nearest Upazila fisheries office.

Cumilla Region (Districts: Cumilla, Chandpur, Bramanbaria)

Jute

- **Stage:**Vegetative
- It is advised to keep jute field clean and weed free to avoid infestation from insect pests and diseases.
- Keep the drain and irrigation channel weed free and clean to avoid excess water to stand in the plot at growing stages.
- The prevailing weather conditions are congenial for incidence of Field cricket in Jute field. Farmers are advised to spray Chlorpyrephos 20EC @ 2.0 ml/liter water to control insect.
- There is chance of attack of Jute Yellow mite at this stage of Jute crop. Spray Sulphur (Thiovit 80WG) @ 3.5g/liter water.
- At this stage of crop, there is a chance of Jute hairy caterpillar and Jute semi looper attack.To control pest farmers are advised to hand pick the egg mass and destroy them by burning or in kerosinized water. In case of severe attack spray Diazinon 60EC @ 1.0ml/liter of water.
- Present weather conditions and at this stage of crop, the incidence of Seedling blight and Stem rot may be seen in the Jute field. To control this pest spray Mancozeb (Dithane M45/Indofil M45) @ 2g/litre of water on fair weather. All the plant protection measure should be taken at clear & sunny days.
- To protect deshi jute crop (>4 ft tall) from lodging due to 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.
- Monitor pest and disease incidences and take appropriate plant protection measures.

Vegetable

- Because of increase in temperature, there is chance of sucking pest in vegetable crops. To control, application of Malathion 57EC/Dimathoate 40EC @ 1.0ml per litre of water is advised once a week.
- For control of fruit and shoot borer in brinjal under present weather condition, it is advised to apply Cypermethrin 10EC @ 0.5ml/litre or Emamectin Benzoate 5 SP @1.0g/litre or Deltamethrin 2.5EC @ 1.0ml/litre or Diazinon 60EC@ 1.0ml/litre water.

- Monitoring is advised for infestation of leaf hopper in okra during present weather condition. Spraying of Imidacloprid @ 0.5ml/litre or Cypermethrin 10EC @ 1.0ml/litre of water is recommended for control of leaf hopper.
- Apply Irrigation.

Horticultural

- The prevailing weather conditions are favorable for the incidence of fruit fly in mango. Farmers are advised to install 32 Pheromon traps /acre to control the fruit fly.
- There are chances of termite attack in the standing horticultural crops. Hence, to control, apply Chlorpyrephos 20 EC or Fipronil 5 SC @ 2.0 ml/litre for termites.
- It is advised to provide mechanical support in banana and papaya plants to prevent lodging due to gusty wind. Harvest the matured and undamaged banana bunches and papaya fruits under the present weather condition and spray Copper oxychloride @ 3 g per litre of water for control of fungal diseases.
- Apply Irrigation.

Livestock

- Give anthelmintic drugs.
- Use naphthalene or turpentine oil to reduce mosquitoes.
- Feed mineral mixture to increase immunity.
- Give enough cold water to drink.
- Keep the cattle in the safest place to protect them from storms, rain, and lightning.
- Keep enough ventilation in cowsheds.
- Keep the cowshed neat and clean.

Poultry

- Vaccinate if not vaccinated against Ranikhet, cholera, duck plague.
- Remove affected poultry if disease occurs.
- Use clean water or glucose saline in more heat.
- Keep the poultry shed clean and dry.

Fishery

- Maintain pond depth of 1-1.5 m.
- Apply fertilizers (per day- Urea 6gm, TSP 4gm per decimal).
- Give quality food according to the quantity of fish at a specific time and place every day.
- Making your fish food, maintain the percentage of proteins and other ingredients as per the formula.
- Observe the fish for getting fed.
- Monitor the growth of fish and disease by sampling every 15 days.
- If there were fish diseases or less growth, contact immediately the nearest Upazila fisheries office.

Jute

- **Stage:** Germination to Emergence
- If there is enough soil moisture, start sowing of seeds. In case of less moisture during sowing, apply light irrigation and start sowing after soil reach in field capacity.
- Different varieties of Jute have their respective time for sowing. For Capsularis varieties optimum time of sowing is from February to April. On the other hand olitorius jute seeds are sown from 15 March to April.
- Jute seed being very small it requires fine tilth for better emergence and establishment of seedlings.
- Land is to be ploughed and laddered 5-6 times to obtain a fine seed bed. In termite and cricket infested fields, the soil is to be treated with Chlorpyrephos 20EC @ 10 L/ha.
- Make arrangements for drains around the crop fields as this will help to drain out excess water during heavy rainfall and also help in providing irrigation.
- During final land preparation and depending on variety apply per hectare 80-100 Kg Urea, 25-50 kg TSP, 30-60 kg Mop, 45-95 kg Gypsum and 11 kg Zinc Sulphate as basal dose.
- Treat seeds with provax-200 WP @ 4g/ kg seed for controlling seed born fungal diseases, viz. stem rot, black band, seed rot, seedling wilt, foot rot etc.

Rice Boro

- **Stage:** Tillering
- Keep the field and irrigation channel weed free. Weeding should be done before application of fertilizer and mixed the fertilizer with soil. Hand weeding or weedicides (viz. Rifit 500EC, Superhit 500 EC. etc. @ 134 ml/bigha) may be used for weed control.
- Apply urea 13 kg/bigha as first top dressing after 15-20 days of transplanting (4-5 tillers/hill).
- There is a chance of attack of insect/pests like, Rice stemborer, Rice hispa, etc. Constant monitoring is required for its level of incidences.
- If noticed, collect the adults using hand net & destroy them by burying under soil or by burning.
- To captivate & control the butterflies, place 2 Pheromone Traps/bigha. Also apply Carbofuran 5g @10kg / ha. or Diazinon 10g @17kg/ha. for its control.
- There is chance of Blast and brown spot attack due to light fog and raised temperature. Apply Trooper 6.0g or Nativo 6.0g/litre water twice in 10-15 days.
- Maintain 5-7 cm land water level.
- Apply irrigation.

Vegetable

- Because of increase in temperature, there is chance of sucking pest in vegetable crops. To control, application of Malathion 57EC/Dimathoate 40EC @ 1.0ml per litre of water is advised once a week.

- For control of fruit and shoot borer in brinjal under present weather condition, it is advised to apply Cypermethrin 10EC @ 0.5ml/litre or Emamectin Benzoate 5 SP @1.0g/litre or Deltamethrin 2.5EC @ 1.0ml/litre or Diazinon 60EC@ 1.0ml/litre water.
- Monitoring is advised for infestation of leaf hopper in okra during present weather condition. Spraying of Imidacloprid @ 0.5ml/litre or Cypermethrin 10EC @ 1.0ml/litre of water is recommended for control of leaf hopper.
- Apply Irrigation.

Horticultural

- The prevailing weather conditions are favorable for the incidence of fruit fly in mango. Farmers are advised to install 32 Pheromon traps /acre to control the fruit fly.
- There are chances of termite attack in the standing horticultural crops. Hence, to control, apply Chlorpyrephos 20 EC or Fipronil 5 SC @ 2.0 ml/litre for termites.
- It is advised to provide mechanical support in banana and papaya plants to prevent lodging due to gusty wind. Harvest the matured and undamaged banana bunches and papaya fruits under the present weather condition and spray Copper oxychloride @ 3 g per litre of water for control of fungal diseases.
- Apply Irrigation.

Livestock

- Give anthelmintic drugs.
- Use naphthalene or turpentine oil to reduce mosquitoes.
- Feed mineral mixture to increase immunity.
- Give enough cold water to drink.
- Keep the cattle in the safest place to protect them from storms, rain, and lightning.
- Keep enough ventilation in cowsheds.
- Keep the cowshed neat and clean.

Poultry

- Vaccinate if not vaccinated against Ranikhet, cholera, duck plague.
- Remove affected poultry if disease occurs.
- Use clean water or glucose saline in more heat.
- Keep the poultry shed clean and dry.

Fishery

- Maintain pond depth of 1-1.5 m.
- Apply fertilizers (per day- Urea 6gm, TSP 4gm per decimal).
- Give quality food according to the quantity of fish at a specific time and place every day.
- Making your fish food, maintain the percentage of proteins and other ingredients as per the formula.
- Observe the fish for getting fed.
- Monitor the growth of fish and disease by sampling every 15 days.

- If there were fish diseases or less growth, contact immediately the nearest Upazila fisheries office.

Mymensingh Region (Districts: Mymensingh, Kishoregonj, Jamalpur, Netrokona, Sherpur)

Jute

- **Stage:** Vegetative
- It is advised to keep jute field clean and weed free to avoid infestation from insect pests and diseases.
- Keep the drain and irrigation channel weed free and clean to avoid excess water to stand in the plot at growing stages.
- The prevailing weather conditions are congenial for incidence of Field cricket in Jute field. Farmers are advised to spray Chlorpyrephos 20EC @ 2.0 ml/liter water to control insect.
- There is chance of attack of Jute Yellow mite at this stage of Jute crop. Spray Sulphur (Thiovit 80WG) @ 3.5g/liter water.
- At this stage of crop, there is a chance of Jute hairy caterpillar and Jute semi looper attack. To control pest farmers are advised to hand pick the egg mass and destroy them by burning or in kerosinized water. In case of severe attack spray Diazinon 60EC @ 1.0ml/liter of water.
- Present weather conditions and at this stage of crop, the incidence of Seedling blight and Stem rot may be seen in the Jute field. To control this pest spray Mancozeb (Dithane M45/Indofil M45) @ 2g/litre of water on fair weather. All the plant protection measure should be taken at clear & sunny days.
- To protect deshi jute crop (>4 ft tall) from lodging due to 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.
- Monitor pest and disease incidences and take appropriate plant protection measures.

Rice Boro

- **Stage:** Maturity to Harvesting
- Harvest the crop. After the harvest, immediately keep it in a safe and dry place for drying of grains.
- Drain out the water from the land 15 days before harvest.

Vegetable

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