



NATIONAL AGROMETEOROLOGICAL ADVISORY SERVICE BULLETIN

08 March 2023 (THURSDAY)
[FOR THE PERIOD 08.03.2023 – 12.03.2023]



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 08 March 2023) and maximum temperature on 07 March and minimum temperature on 08 March 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	34.4	20.7	Chattogram	Chattogram	00	34.3	21.6
	Tangail	00	33.5	18.2		Sandwip	00	34.7	19.4
	Faridpur	00	34.7	17.7		Sitakunda	00	35.5	17.3
	Madaripur	00	32.5	17.7		Rangamati	00	35.5	16.7
	Gopalganj	00	34.5	19.4		Cumilla	00	33.2	17.8
	Nikli	00	31.7	16.6		Chandpur	00	34.4	20.8
Rajshahi	Rajshahi	00	33.7	16.7		M. Court	00	33.6	19.8
	Ishurdi	00	33.8	16.0		Feni	00	35.2	17.6
	Bogura	00	32.6	19.0		Hatiya	00	33.3	20.0
	Badalgachhi	00	33.0	17.0		Cox's Bazar	00	35.7	21.2
	Tarash	00	31.5	18.0		Kutubdia	00	32.2	xx
Rangpur	Rangpur	00	32.0	16.4	Khulna	Teknaf	00	34.7	20.0
	Dinajpur	00	32.2	16.0		Bandarban	xx	34.5	22.5
	Sayedpur	00	33.4	15.5		Khulna	00	34.5	19.0
	Tetulia	00	31.0	14.0		Mongla	00	35.0	20.5
	Dimla	00	31.5	15.6		Satkhira	00	34.0	19.6
	Rajarhat	00	32.3	14.1		Jashore	00	35.4	17.6
Mymensingh	Mymensingh	00	31.5	18.0	Barishal	Chuadanga	00	34.5	16.4
	Netrokona	00	32.0	16.5		Kumarkhali	00	34.2	xx
Sylhet	Sylhet	00	33.3	18.7		Barishal	00	34.3	18.4
	Srimangal	00	32.6	14.2		Patuakhali	00	34.5	21.1
						Khepupara	00	34.4	20.8
						Bhola	00	34.2	19.0

Highlights:

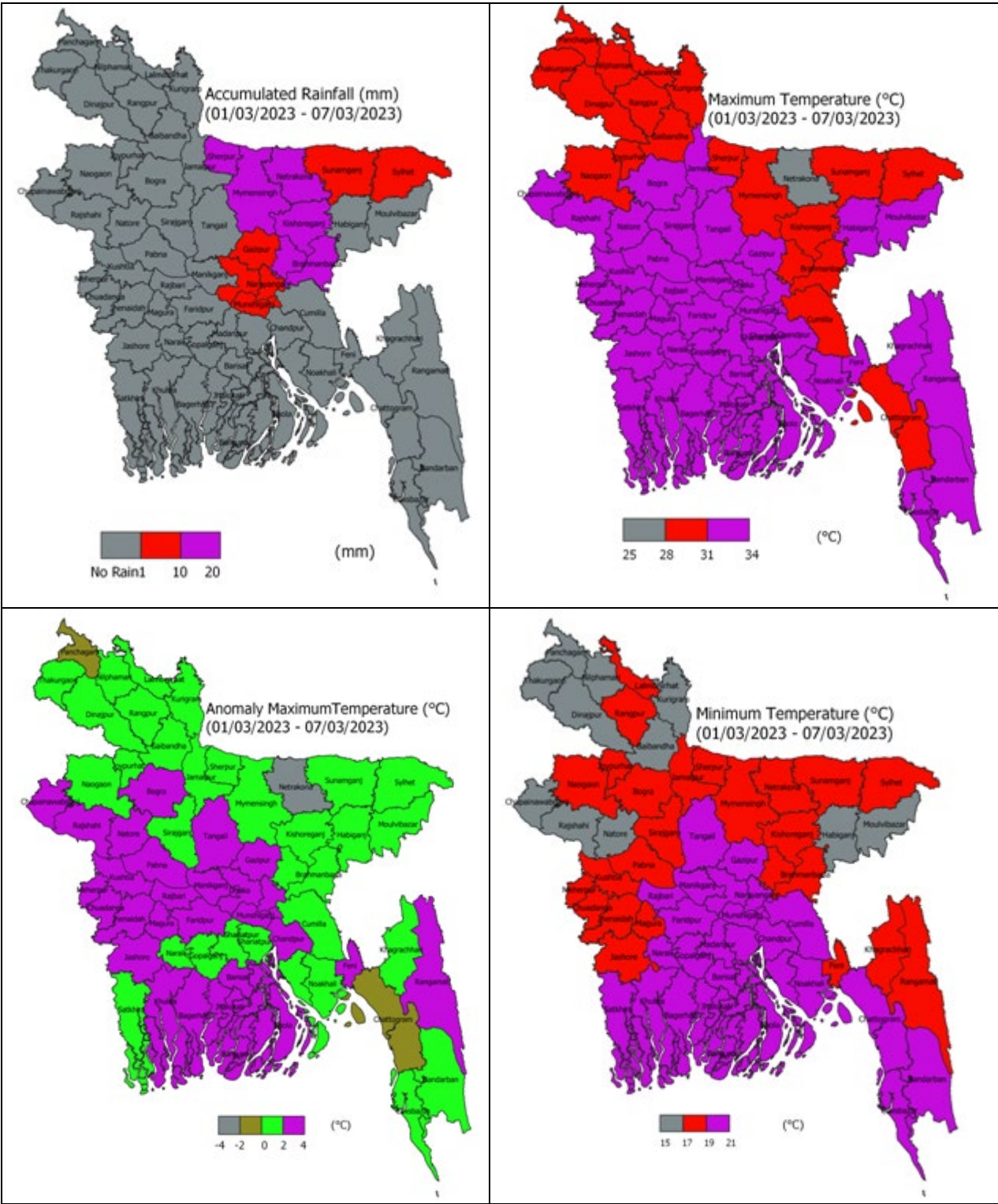
- Country average bright sunshine hour was 8.23 hours per day during last week.
- Country average free water loss during the previous week was 3.57 mm per day.

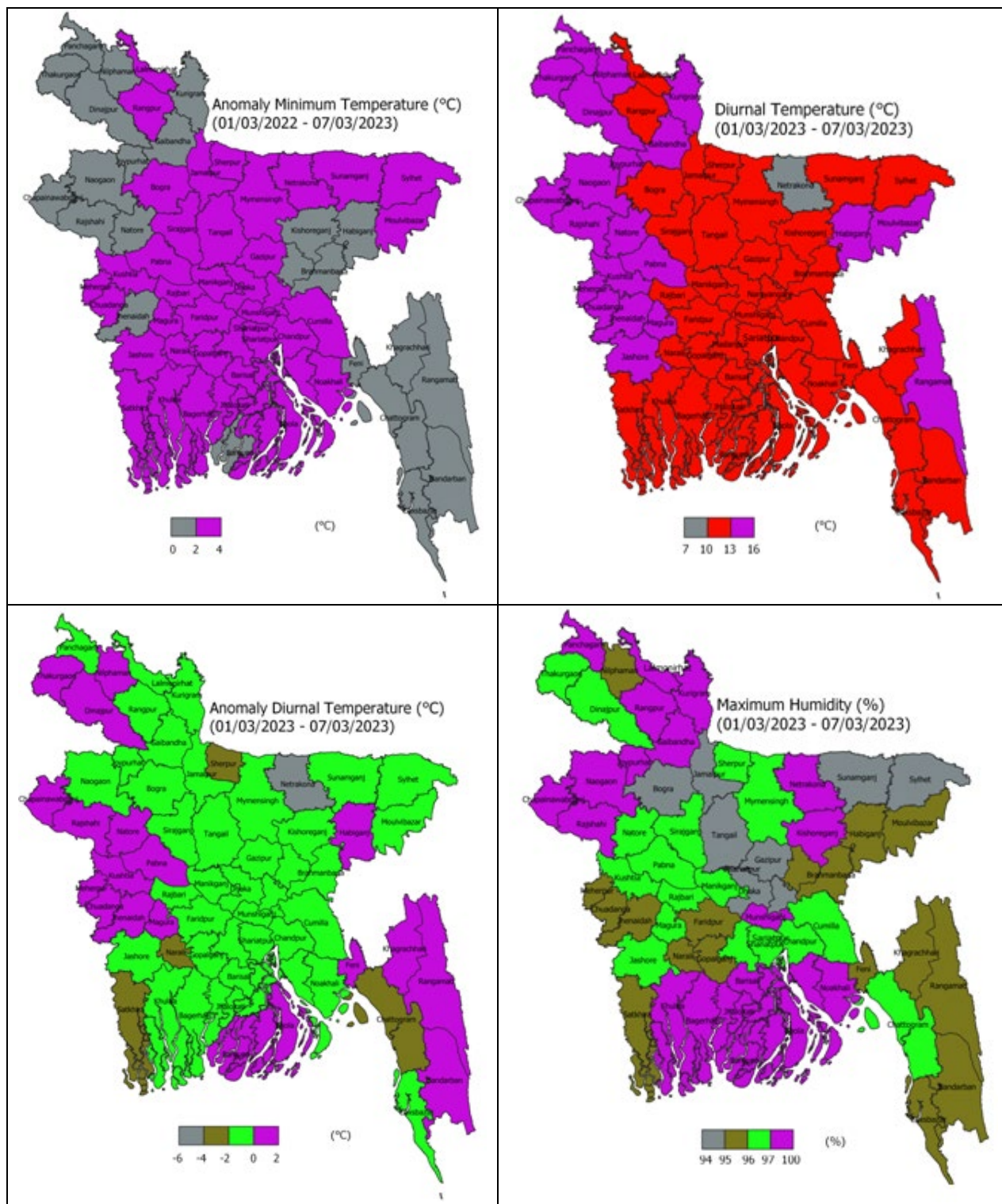
Weather Forecast Valid for 24 Hours commencing 06 PM Today:

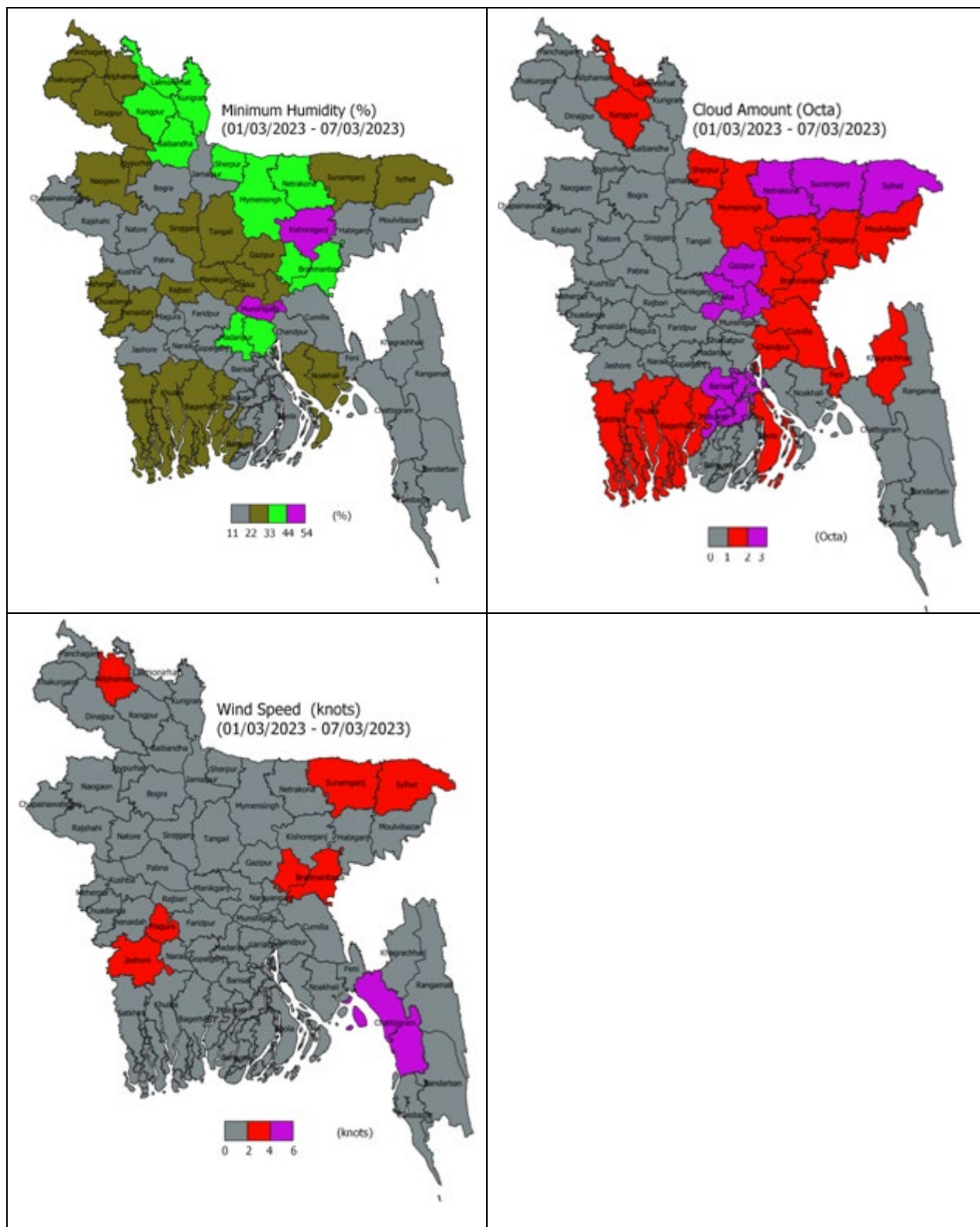
Forecast: Weather may remain mainly dry with partly cloudy sky over the country, having chances rain/Thunder showers at one or two places over Rangpur division.

Temperature: Day temperature may fall slightly over southern part and it may remain nearly unchanged elsewhere over the country. Night temperature may remain nearly unchanged over the country.

Spatial Distribution of weather parameters for the Week ending on 07 March 2023





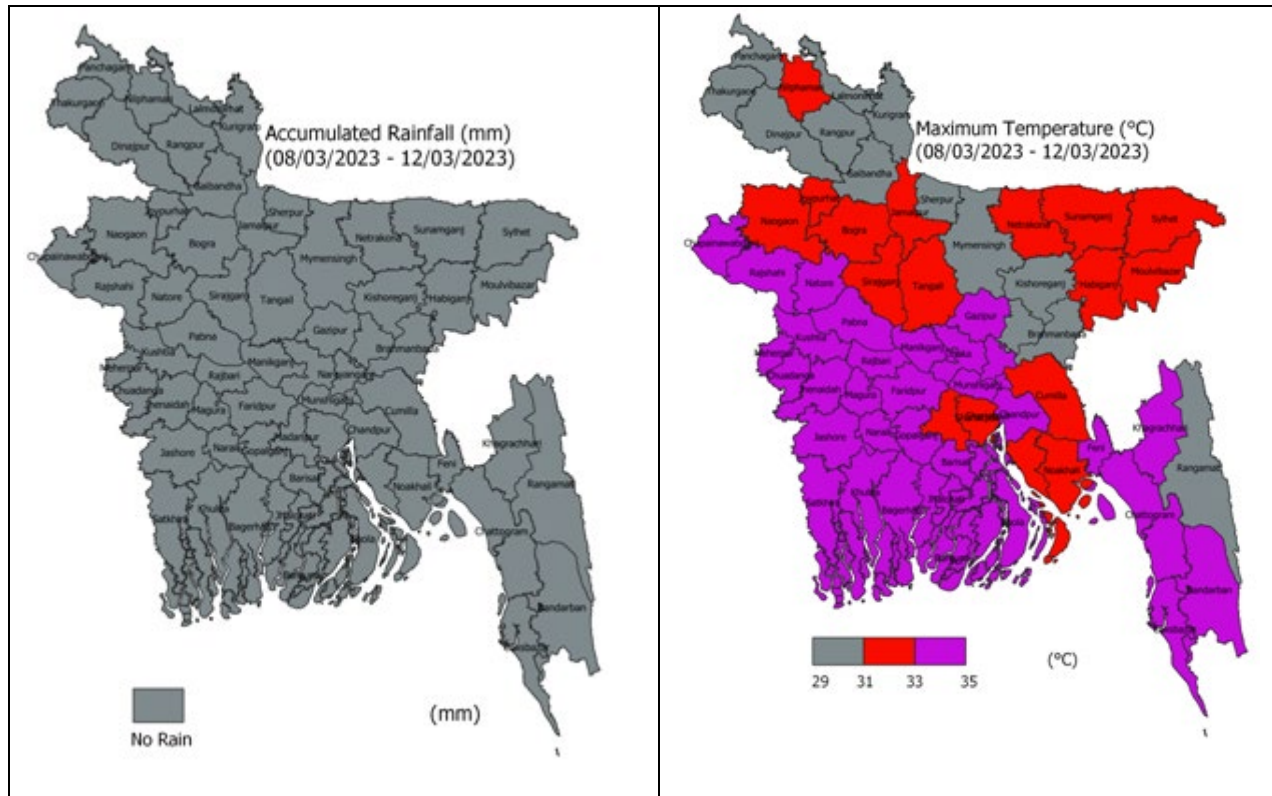


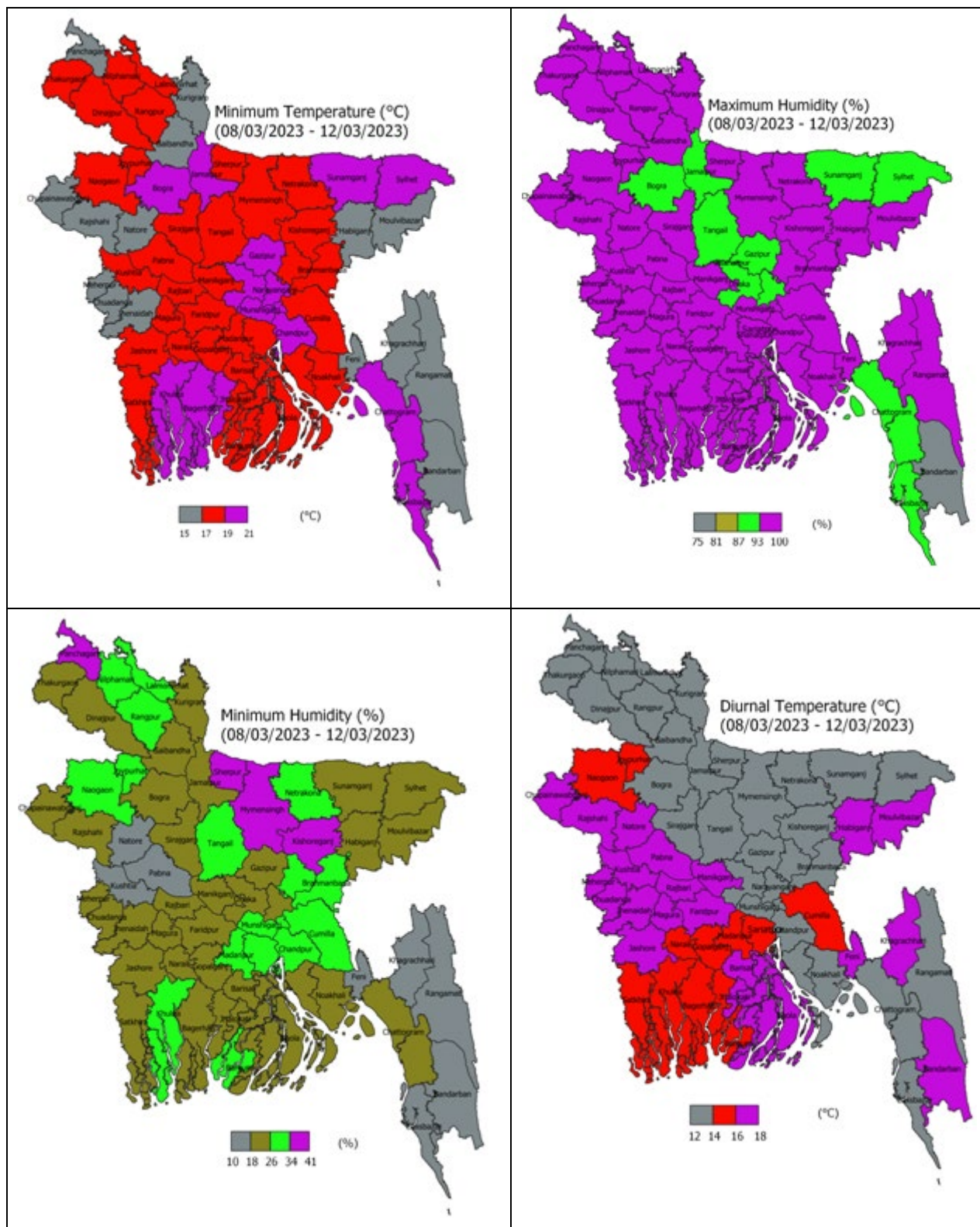
Weather Forecast and Advisory for the Period of 01.03.2023 to 07.03.2023

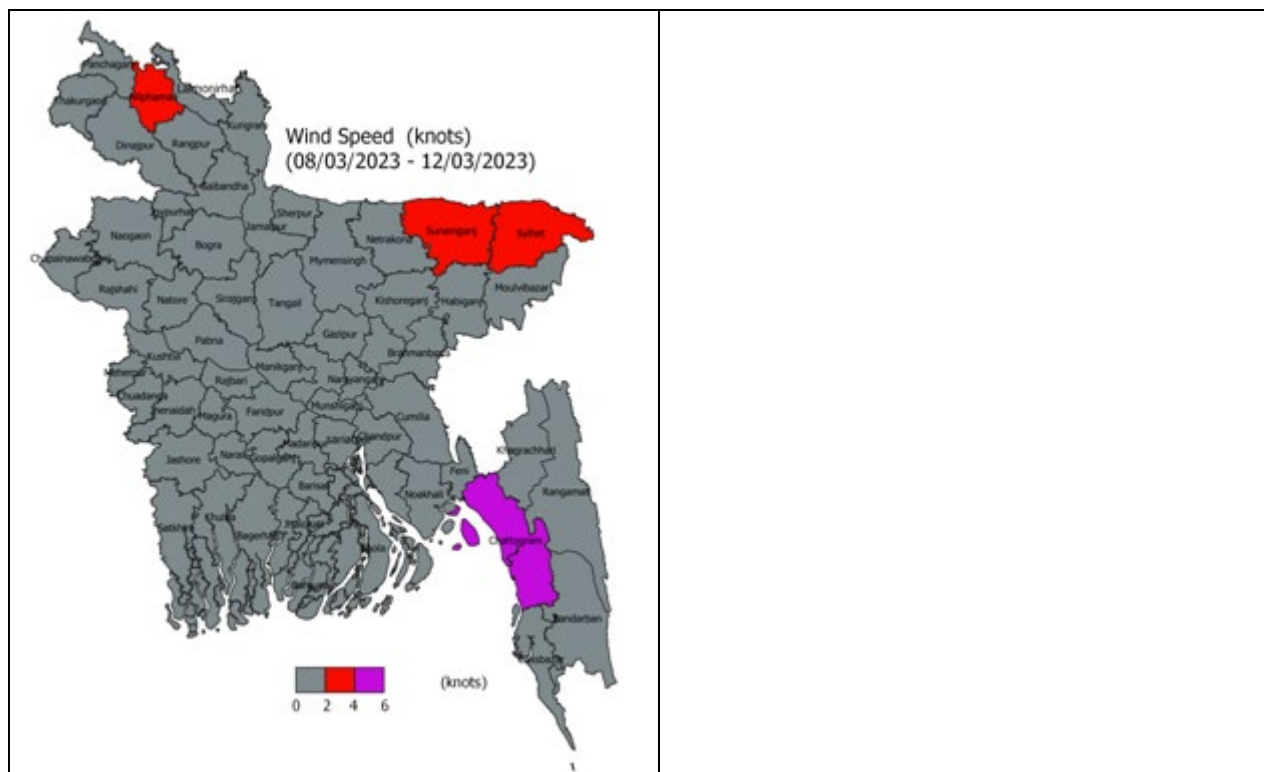
Bright sunshine hour is likely to be from 6.50 to 8.50 hours per day during this week. Average free water loss is likely to be from 3.00 to 5.00 mm per day during this week.

- Weather may remain mainly dry with temporary partly cloudy sky over the country during this period having chances of rain/thunder showers over the northeastern part of the country at the end of this period.
- Day and night temperature may rise slightly over the country during this period.

District Wise Quantitative Weather Forecast for next Five days from 08 Mar.- 12 March 2023





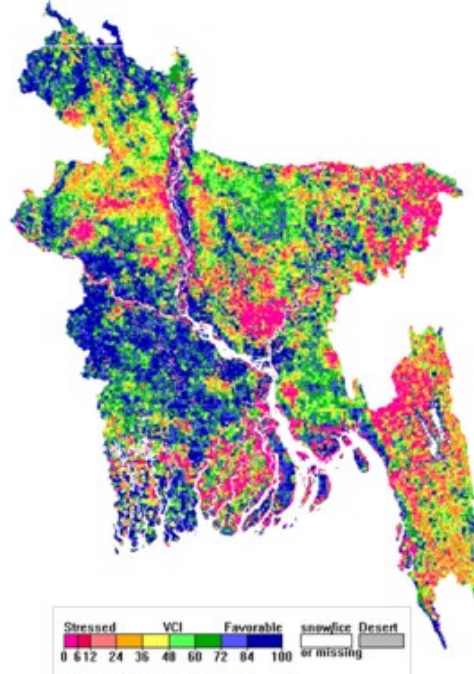


Different Satellite Products over Bangladesh

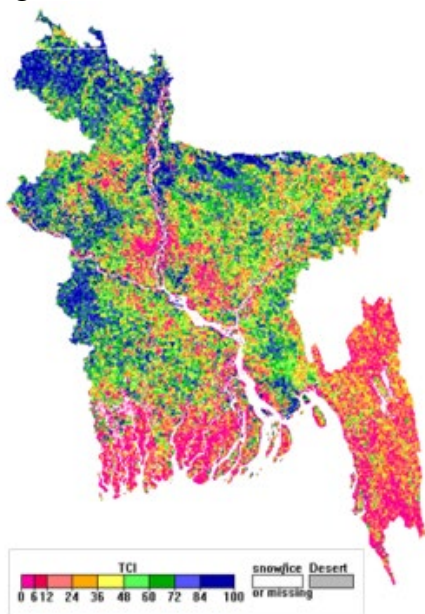
NOAA/VIIRS BLENDED NDVI composite for the week. No. 9 (26 February-04 March) over Agricultural regions of Bangladesh



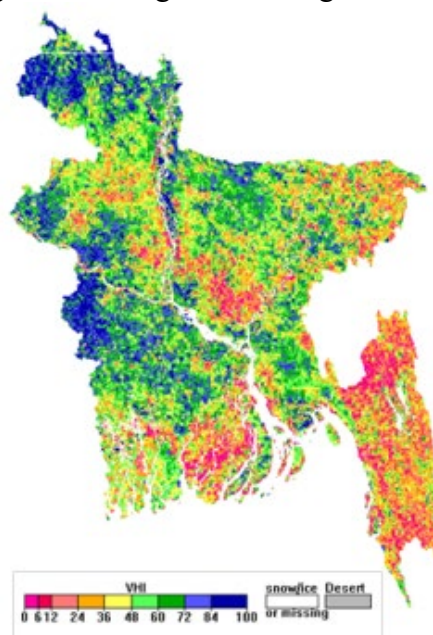
NOAA/ AVHRR BLENDED VCI composite for the week No. 9 (26 February-04 March) over Agricultural regions of Bangladesh



NOAA/ AVHRR BLENDED TCI composite for the week No. 9 (26 February-04 March) over Agricultural regions of Bangladesh



NOAA/ AVHRR BLENDED VHI composite for the week No. 9 (26 February-04 March) over Agricultural regions of Bangladesh



Agromet Advisories

According to the medium range forecast, there is no chance of rain in any district 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

- 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 malathion 5% dust @ 30 kg/ha.

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

- During this time and weather condition, stem and fruit borer in brinjal crop is expected. For management, it is advised to install 40 Pheromone traps per acre.
- Under present weather condition, there is chance of blight disease in tomato and brinjal which are at fruiting stage. Apply Antibac 10 SP (Streptomycin Sulphate 9% + tetracycline Hydrochloride 1%) @ 0.5g/liter of water.
- Avoid moisture stress conditions to the crops which are at flowering to fruiting stage.
- Apply Irrigation.

Horticultural

- Prevailing weather conditions are favorable for black headed caterpillar incidence in coconut. In case of a severe attack, Remove and burn all affected leaves/leaflets. Then spray with Chlorpyrephos 20EC @2.0ml/Litre or Malathion 50EC @ 2.0ml/liter at both surface of the fronds to control the insect.
- Apply coir compost to conserve moisture in banana.
- Prevailing weather conditions are favorable for canker disease incidence in citrus. To control, spray of Streptomycin sulphate 500-1000 ppm or Phytomycin 2500 ppm or Copper oxychloride 0.2% at fortnight intervals is advised.
- To avoid fruit, fall incidences in mango crop under unfavourable weather conditions, it is advised to spray Planofix/Litose/Calbor Plant growth regulator (PGR)@2.0 ml/liter water.
- Wherever flowering is delayed in mango due to unfavourable weather, farmers are advised to spray potassium nitrate 10 g and Urea 5 g per liter of water to enhance the flowering.
- Apply Irrigation.

Livestock

- Give PPR Vaccine to the goat and sheep if required.
- Use naphthalene or turpentine oil to reduce mosquitoes.
- To protect from mosquitoes, use coils or a net with caution.
- Take prompt action if skin disease is found.
- Keep the cowshed neat and clean.
- Give enough water to drink.

Poultry

- Provide duck plague vaccination for ducks.
- Vaccinate against chickenpox and cholera disease.
- Remove affected poultry if disease occurs.
- Use clean water or glucose saline in more heat.
- Keep the poultry shed clean and dry.

Fishery

- According to quantity, give quality food at a specific time every day.
- Stocking large-sized fry leads to higher productivity.
- Stock the specific number and size of the fry.
- Apply 40-50 gm/ per decimal MOP fertilizer if required.
- Apply Urea (150-200 gm), TSP (75-100gm) per decimal.
- Apply fertilizer 3/4 days after application of lime.
- Apply 1 kg lime per decimal for preparing the pond.
- Keep pond depth of 1-1.5 m.

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

Jute

- Continue sowing.
- Start sowing when there is sufficient moisture in the soil

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.
- There is a chance of attack of leaf roller Spray Malathion or Chlorpyriphos @2ml/liter of water.
- Maintain 2-5 cm land water level.
- Apply irrigation.
- Present weather condition is congenial for **Leaf roller/folder** infestation. It can be controlled by using Trichogramma cards.
- Present weather condition is congenial for **False smut** infestation. Favorable Weather Temperature 22-27° C

Vegetable

- During this time and weather condition, stem and fruit borer in brinjal crop is expected. For management, it is advised to install 40 Pheromone traps per acre.
- Under present weather condition, there is chance of blight disease in tomato and brinjal which are at fruiting stage. Apply Antibac 10 SP (Streptomycin Sulphate 9% + tetracycline Hydrochloride 1%) @ 0.5g/liter of water.
- Avoid moisture stress conditions to the crops which are at flowering to fruiting stage.
- Apply Irrigation.

Horticultural

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- To avoid fruit fall incidences in mango crop under unfavourable weather conditions, it is advised to spray Planofix/Litose/Calbor Plant growth regulator (PGR)@2.0 ml/liter water.

- Wherever flowering is delayed in mango due to unfavourable weather, farmers are advised to spray potassium nitrate 10 g and Urea 5 g per liter of water to enhance the flowering.
- Apply Irrigation.

Livestock

- Give PPR Vaccine to the goat and sheep if required.
- Use naphthalene or turpentine oil to reduce mosquitoes.
- To protect from mosquitoes, use coils or a net with caution.
- Take prompt action if skin disease is found.
- Keep the cowshed neat and clean.
- Give enough water to drink.

Poultry

- Provide duck plague vaccination for ducks.
- Vaccinate against chickenpox and cholera disease.
- Remove affected poultry if disease occurs.
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- Keep the poultry shed clean and dry.

Fishery

- According to quantity, give quality food at a specific time every day.
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- Stock the specific number and size of the fry.
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- Apply fertilizer 3/4 days after application of lime.
- Apply 1 kg lime per decimal for preparing the pond.
- Keep pond depth of 1-1.5 m.

Dinajpur Region (Districts: Dinajpur, Thakurgaon and Panchagarh)

Jute

- 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 malathion 5% dust @ 30 kg/ha.

Rice Boro

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Horticultural

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- Wherever flowering is delayed in mango due to unfavourable weather, farmers are advised to spray potassium nitrate 10 g and Urea 5 g per liter of water to enhance the flowering.
- Apply Irrigation.

Livestock

- Give PPR Vaccine to the goat and sheep if required.
- Use naphthalene or turpentine oil to reduce mosquitoes.

- To protect from mosquitoes, use coils or a net with caution.
- Take prompt action if skin disease is found.
- Keep the cowshed neat and clean.
- Give enough water to drink.

Poultry

- Provide duck plague vaccination for ducks.
- Vaccinate against chickenpox and cholera disease.
- Remove affected poultry if disease occurs.
- Use clean water or glucose saline in more heat.
- Keep the poultry shed clean and dry.

Fishery

- According to quantity, give quality food at a specific time every day.
- Stocking large-sized fry leads to higher productivity.
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- Apply Urea (150-200 gm), TSP (75-100gm) per decimal.
- Apply fertilizer 3/4 days after application of lime.
- Apply 1 kg lime per decimal for preparing the pond.
- Keep pond depth of 1-1.5 m.

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

Jute

- Continue sowing.
- Start sowing when there is sufficient moisture in the soil

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.
- Present weather condition is congenial for **Leaf roller/folder** infestation. It can be controlled by using Trichogramma cards.
- Present weather condition is congenial for **Gall midge** infestation. Apply Carbofuran@10kg per ha.
- Apply irrigation.

Vegetable

- During this time and weather condition, stem and fruit borer in brinjal crop is expected. For management, it is advised to install 40 Pheromone traps per acre.
- Under present weather condition, there is chance of blight disease in tomato and brinjal which are at fruiting stage. Apply Antibac 10 SP (Streptomycin Sulphate 9% + tetracycline Hydrochloride 1%) @ 0.5g/liter of water.
- Avoid moisture stress conditions to the crops which are at flowering to fruiting stage.
- Apply Irrigation.

Horticultural

- Prevailing weather conditions are favorable for black headed caterpillar incidence in coconut. In case of a severe attack, Remove and burn all affected leaves/leaflets. Then spray with Chlorpyrephos 20EC @2.0ml/Litre or Malathion 50EC @ 2.0ml/liter at both surface of the fronds to control the insect.
- Apply coir compost to conserve moisture in banana.
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- Wherever flowering is delayed in mango due to unfavourable weather, farmers are advised to spray potassium nitrate 10 g and Urea 5 g per liter of water to enhance the flowering.
- Apply Irrigation.

Livestock

- Give PPR Vaccine to the goat and sheep if required.
- Use naphthalene or turpentine oil to reduce mosquitoes.
- To protect from mosquitoes, use coils or a net with caution.
- Take prompt action if skin disease is found.
- Keep the cowshed neat and clean.
- Give enough water to drink.

Poultry

- Provide duck plague vaccination for ducks.
- Vaccinate against chickenpox and cholera disease.
- Remove affected poultry if disease occurs.
- Use clean water or glucose saline in more heat.
- Keep the poultry shed clean and dry.

Fishery

- According to quantity, give quality food at a specific time every day.
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- Apply Urea (150-200 gm), TSP (75-100gm) per decimal.
- Apply fertilizer 3/4 days after application of lime.
- Apply 1 kg lime per decimal for preparing the pond.
- Keep pond depth of 1-1.5 m.

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

Rice Boro

- **Stage:** Maturity to Harvesting
- Where early transplanted paddy found 80% maturity, harvest and transfer it to a safe place immediately.
- Drain out the water from the land 15 days before harvest.

Vegetable

- During this time and weather condition, stem and fruit borer in brinjal crop is expected. For management, it is advised to install 40 Pheromone traps per acre.
- Under present weather condition, there is chance of blight disease in tomato and brinjal which are at fruiting stage. Apply Antibac 10 SP (Streptomycin Sulphate 9% + tetracycline Hydrochloride 1%) @ 0.5g/liter of water.
- Avoid moisture stress conditions to the crops which are at flowering to fruiting stage.
- 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.
- Apply Irrigation.

Horticultural

- Prevailing weather conditions are favorable for black headed caterpillar incidence in coconut. In case of a severe attack, Remove and burn all affected leaves/leaflets. Then spray with Chlorpyrephos 20EC @2.0ml/Litre or Malathion 50EC @ 2.0ml/liter at both surface of the fronds to control the insect.
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- Apply Irrigation.

Mustard

- **Stage:** Maturity to Harvesting
- Where plants are found mature complete harvesting.

Livestock

- Give PPR Vaccine to the goat and sheep if required.
- Use naphthalene or turpentine oil to reduce mosquitoes.
- To protect from mosquitoes, use coils or a net with caution.
- Take prompt action if skin disease is found.
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Rangamati Region (Districts: Rangamati, Khagrachari and Bandarban)

Rice Aus

- **Stage:** Seedbed

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.
- There is a chance of attack of leaf roller Spray Malathion or Chlorpyriphos @2ml/liter of water.
- Maintain 2-5 cm land water level.
- Apply irrigation.
- Present weather condition is congenial for **False smut** infestation. Favorable Weather Temperature 22-27° C

Vegetable

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- Vaccinate against chickenpox and cholera disease.
- Remove affected poultry if disease occurs.
- Use clean water or glucose saline in more heat.
- Keep the poultry shed clean and dry.

Fishery

- According to quantity, give quality food at a specific time every day.
- Stocking large-sized fry leads to higher productivity.
- Stock the specific number and size of the fry.
- Apply 40-50 gm/ per decimal MOP fertilizer if required.
- Apply Urea (150-200 gm), TSP (75-100gm) per decimal.
- Apply fertilizer 3/4 days after application of lime.
- Apply 1 kg lime per decimal for preparing the pond.
- Keep pond depth of 1-1.5 m.

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

Jute

- Continue sowing.
- Start sowing when there is sufficient moisture in the soil

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.
- There is a chance of attack of leaf roller Spray Malathion or Chlorpyriphos @2ml/liter of water.
- Maintain 2-5 cm land water level.
- Apply irrigation.
- Present weather condition is congenial for **False smut** infestation. Favorable Weather Temperature 22-27° C.

Vegetable

- During this time and weather condition, stem and fruit borer in brinjal crop is expected. For management, it is advised to install 40 Pheromone traps per acre.
- Under present weather condition, there is chance of blight disease in tomato and brinjal which are at fruiting stage. Apply Antibac 10 SP (Streptomycin Sulphate 9% + tetracycline Hydrochloride 1%) @ 0.5g/liter of water.
- Avoid moisture stress conditions to the crops which are at flowering to fruiting stage.
- 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.
- Apply Irrigation.

Horticultural

- Prevailing weather conditions are favorable for black headed caterpillar incidence in coconut. In case of a severe attack, Remove and burn all affected leaves/leaflets. Then spray with Chlorpyrephos 20EC @2.0ml/Litre or Malathion 50EC @ 2.0ml/liter at both surface of the fronds to control the insect.
- Apply coir compost to conserve moisture in banana.
- Prevailing weather conditions are favorable for canker disease incidence in citrus. To control, spray of Streptomycin sulphate 500-1000 ppm or Phytomycin 2500 ppm or Copper oxychloride 0.2% at fortnight intervals is advised.
- To avoid fruit, fall incidences in mango crop under unfavourable weather conditions, it is advised to spray Planofix/Litose/Calbor Plant growth regulator (PGR)@2.0 ml/liter water.
- Wherever flowering is delayed in mango due to unfavourable weather, farmers are advised to spray potassium nitrate 10 g and Urea 5 g per liter of water to enhance the flowering.
- Apply Irrigation.

Mustard

- **Stage:** Maturity to Harvesting

- Where plants are found mature complete harvesting.

Livestock

- Give PPR Vaccine to the goat and sheep if required.
- Use naphthalene or turpentine oil to reduce mosquitoes.
- To protect from mosquitoes, use coils or a net with caution.
- Take prompt action if skin disease is found.
- Keep the cowshed neat and clean.
- Give enough water to drink.

Poultry

- Provide duck plague vaccination for ducks.
- Vaccinate against chickenpox and cholera disease.
- Remove affected poultry if disease occurs.
- Use clean water or glucose saline in more heat.
- Keep the poultry shed clean and dry.

Fishery

- According to quantity, give quality food at a specific time every day.
- Stocking large-sized fry leads to higher productivity.
- Stock the specific number and size of the fry.
- Apply 40-50 gm/ per decimal MOP fertilizer if required.
- Apply Urea (150-200 gm), TSP (75-100gm) per decimal.
- Apply fertilizer 3/4 days after application of lime.
- Apply 1 kg lime per decimal for preparing the pond.
- Keep pond depth of 1-1.5 m.

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

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

- During this time and weather condition, stem and fruit borer in brinjal crop is expected. For management, it is advised to install 40 Pheromone traps per acre.
- Under present weather condition, there is chance of blight disease in tomato and brinjal which are at fruiting stage. Apply Antibac 10 SP (Streptomycin Sulphate 9% + tetracycline Hydrochloride 1%) @ 0.5g/liter of water.
- Avoid moisture stress conditions to the crops which are at flowering to fruiting stage.
- 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.
- Apply Irrigation.

Horticultural

- Prevailing weather conditions are favorable for black headed caterpillar incidence in coconut. In case of a severe attack, Remove and burn all affected leaves/leaflets. Then spray with Chlorpyrephos 20EC @2.0ml/Litre or Malathion 50EC @ 2.0ml/liter at both surface of the fronds to control the insect.
- Apply coir compost to conserve moisture in banana.
- Prevailing weather conditions are favorable for canker disease incidence in citrus. To control, spray of Streptomycin sulphate 500-1000 ppm or Phytomycin 2500 ppm or Copper oxychloride 0.2% at fortnight intervals is advised.
- To avoid fruit, fall incidences in mango crop under unfavourable weather conditions, it is advised to spray Planofix/Litose/Calbor Plant growth regulator (PGR)@2.0 ml/liter water.
- Wherever flowering is delayed in mango due to unfavourable weather, farmers are advised to spray potassium nitrate 10 g and Urea 5 g per liter of water to enhance the flowering.
- Apply Irrigation.

Livestock

- Give PPR Vaccine to the goat and sheep if required.
- Use naphthalene or turpentine oil to reduce mosquitoes.
- To protect from mosquitoes, use coils or a net with caution.
- Take prompt action if skin disease is found.
- Keep the cowshed neat and clean.
- Give enough water to drink.

Poultry

- Provide duck plague vaccination for ducks.
- Vaccinate against chickenpox and cholera disease.
- Remove affected poultry if disease occurs.
- Use clean water or glucose saline in more heat.
- Keep the poultry shed clean and dry.

Fishery

- According to quantity, give quality food at a specific time every day.
- Stocking large-sized fry leads to higher productivity.
- Stock the specific number and size of the fry.
- Apply 40-50 gm/ per decimal MOP fertilizer if required.
- Apply Urea (150-200 gm), TSP (75-100gm) per decimal.
- Apply fertilizer 3/4 days after application of lime.
- Apply 1 kg lime per decimal for preparing the pond.
- Keep pond depth of 1-1.5 m.

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

Jute

- Continue sowing.
- Start sowing when there is sufficient moisture in the soil

Rice Aus

- **Stage:**Seedbed

Rice Boro

- **Stage:** Maturity to Harvesting
- Where early transplanted paddy found 80% maturity, harvest and transfer it to a safe place immediately.
- Drain out the water from the land 15 days before harvest.

Vegetable

- During this time and weather condition, stem and fruit borer in brinjal crop is expected. For management, it is advised to install 40 Pheromone traps per acre.
- Under present weather condition, there is chance of blight disease in tomato and brinjal which are at fruiting stage. Apply Antibac 10 SP (Streptomycin Sulphate 9% + tetracycline Hydrochloride 1%) @ 0.5g/liter of water.
- Avoid moisture stress conditions to the crops which are at flowering to fruiting stage.

- 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.
- Apply Irrigation.

Horticultural

- Prevailing weather conditions are favorable for black headed caterpillar incidence in coconut. In case of a severe attack, Remove and burn all affected leaves/leaflets. Then spray with Chlorpyrephos 20EC @2.0ml/Litre or Malathion 50EC @ 2.0ml/liter at both surface of the fronds to control the insect.
- Apply coir compost to conserve moisture in banana.
- Prevailing weather conditions are favorable for canker disease incidence in citrus. To control, spray of Streptomycin sulphate 500-1000 ppm or Phytomycin 2500 ppm or Copper oxychloride 0.2% at fortnight intervals is advised.
- To avoid fruit, fall incidences in mango crop under unfavourable weather conditions, it is advised to spray Planofix/Litose/Calbor Plant growth regulator (PGR)@2.0 ml/liter water.
- Wherever flowering is delayed in mango due to unfavourable weather, farmers are advised to spray potassium nitrate 10 g and Urea 5 g per liter of water to enhance the flowering.
- Apply Irrigation.

Livestock

- Give PPR Vaccine to the goat and sheep if required.
- Use naphthalene or turpentine oil to reduce mosquitoes.
- To protect from mosquitoes, use coils or a net with caution.
- Take prompt action if skin disease is found.
- Keep the cowshed neat and clean.
- Give enough water to drink.

Poultry

- Provide duck plague vaccination for ducks.
- Vaccinate against chickenpox and cholera disease.
- Remove affected poultry if disease occurs.
- Use clean water or glucose saline in more heat.
- Keep the poultry shed clean and dry.

Fishery

- According to quantity, give quality food at a specific time every day.
- Stocking large-sized fry leads to higher productivity.
- Stock the specific number and size of the fry.
- Apply 40-50 gm/ per decimal MOP fertilizer if required.
- Apply Urea (150-200 gm), TSP (75-100gm) per decimal.
- Apply fertilizer 3/4 days after application of lime.

- Apply 1 kg lime per decimal for preparing the pond.
- Keep pond depth of 1-1.5 m.

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

Jute

- Continue sowing.
- Start sowing when there is sufficient moisture in the soil

Rice Boro

- **Stage:** Maturity to Harvesting
- Where early transplanted paddy found 80% maturity, harvest and transfer it to a safe place immediately.
- Drain out the water from the land 15 days before harvest.

Vegetable

- During this time and weather condition, stem and fruit borer in brinjal crop is expected. For management, it is advised to install 40 Pheromone traps per acre.
- Under present weather condition, there is chance of blight disease in tomato and brinjal which are at fruiting stage. Apply Antibac 10 SP (Streptomycin Sulphate 9% + tetracycline Hydrochloride 1%) @ 0.5g/liter of water.
- Avoid moisture stress conditions to the crops which are at flowering to fruiting stage.
- 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.
- Apply Irrigation.

Horticultural

- Prevailing weather conditions are favorable for black headed caterpillar incidence in coconut. In case of a severe attack, Remove and burn all affected leaves/leaflets. Then spray with Chlorpyrephos 20EC @2.0ml/Litre or Malathion 50EC @ 2.0ml/liter at both surface of the fronds to control the insect.
- Apply coir compost to conserve moisture in banana.
- Prevailing weather conditions are favorable for canker disease incidence in citrus. To control, spray of Streptomycin sulphate 500-1000 ppm or Phytomycin 2500 ppm or Copper oxychloride 0.2% at fortnight intervals is advised.
- To avoid fruit, fall incidences in mango crop under unfavourable weather conditions, it is advised to spray Planofix/Litose/Calbor Plant growth regulator (PGR)@2.0 ml/liter water.

- Wherever flowering is delayed in mango due to unfavourable weather, farmers are advised to spray potassium nitrate 10 g and Urea 5 g per liter of water to enhance the flowering.
- Apply Irrigation.

Livestock

- Give PPR Vaccine to the goat and sheep if required.
- Use naphthalene or turpentine oil to reduce mosquitoes.
- To protect from mosquitoes, use coils or a net with caution.
- Take prompt action if skin disease is found.
- Keep the cowshed neat and clean.
- Give enough water to drink.

Poultry

- Provide duck plague vaccination for ducks.
- Vaccinate against chickenpox and cholera disease.
- Remove affected poultry if disease occurs.
- Use clean water or glucose saline in more heat.
- Keep the poultry shed clean and dry.

Fishery

- According to quantity, give quality food at a specific time every day.
- Stocking large-sized fry leads to higher productivity.
- Stock the specific number and size of the fry.
- Apply 40-50 gm/ per decimal MOP fertilizer if required.
- Apply Urea (150-200 gm), TSP (75-100gm) per decimal.
- Apply fertilizer 3/4 days after application of lime.
- Apply 1 kg lime per decimal for preparing the pond.
- Keep pond depth of 1-1.5 m.

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

Rice Aus

- **Stage:**Seedbed

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.
- There is a chance of attack of leaf roller Spray Malathion or Chlorpyrifos @2ml/liter of water.
- Maintain 2-5 cm land water level.
- Apply irrigation.
- Present weather condition is congenial for **False smut** infestation. Favorable Weather Temperature 22-27° C.

Vegetable

- During this time and weather condition, stem and fruit borer in brinjal crop is expected. For management, it is advised to install 40 Pheromone traps per acre.
- Under present weather condition, there is chance of blight disease in tomato and brinjal which are at fruiting stage. Apply Antibac 10 SP (Streptomycin Sulphate 9% + tetracycline Hydrochloride 1%) @ 0.5g/liter of water.
- Avoid moisture stress conditions to the crops which are at flowering to fruiting stage.
- Apply Irrigation.

Horticultural

- Prevailing weather conditions are favorable for black headed caterpillar incidence in coconut. In case of a severe attack, Remove and burn all affected leaves/leaflets. Then spray with Chlorpyrephos 20EC @2.0ml/Litre or Malathion 50EC @ 2.0ml/liter at both surface of the fronds to control the insect.
- Apply coir compost to conserve moisture in banana.
- Prevailing weather conditions are favorable for canker disease incidence in citrus. To control, spray of Streptomycin sulphate 500-1000 ppm or Phytomycin 2500 ppm or Copper oxychloride 0.2% at fortnight intervals is advised.
- To avoid fruit, fall incidences in mango crop under unfavourable weather conditions, it is advised to spray Planofix/Litose/Calbor Plant growth regulator (PGR)@2.0 ml/liter water.
- Wherever flowering is delayed in mango due to unfavourable weather, farmers are advised to spray potassium nitrate 10 g and Urea 5 g per liter of water to enhance the flowering.
- Apply Irrigation.

Mustard

- **Stage:** Pod initiation
- Occurrence of sawfly may be seen in the mustard crops under the present environment conditions. To control this pest spray Chlorpyrifos 20 EC @ 5 ml/litre of water on fair weather.
- The present weather condition is favorable for the incidence of powdery mildew in mustard. Spray of Carbendazim 12% + Mancozeb 62% @ 2g /litre of water is advised.

- Go for intercultural operations.
- Apply light irrigation.

Livestock

- Give PPR Vaccine to the goat and sheep if required.
- Use naphthalene or turpentine oil to reduce mosquitoes.
- To protect from mosquitoes, use coils or a net with caution.
- Take prompt action if skin disease is found.
- Keep the cowshed neat and clean.
- Give enough water to drink.

Poultry

- Provide duck plague vaccination for ducks.
- Vaccinate against chickenpox and cholera disease.
- Remove affected poultry if disease occurs.
- Use clean water or glucose saline in more heat.
- Keep the poultry shed clean and dry.

Fishery

- According to quantity, give quality food at a specific time every day.
- Stocking large-sized fry leads to higher productivity.
- Stock the specific number and size of the fry.
- Apply 40-50 gm/ per decimal MOP fertilizer if required.
- Apply Urea (150-200 gm), TSP (75-100gm) per decimal.
- Apply fertilizer 3/4 days after application of lime.
- Apply 1 kg lime per decimal for preparing the pond.
- Keep pond depth of 1-1.5 m.

Cumilla Region (Districts: Cumilla, Chandpur, Bramanbaria)

Jute

- Continue sowing.
- Start sowing when there is sufficient moisture in the soil

Rice Boro

- **Stage:** Maturity to Harvesting
- Where early transplanted paddy found 80% maturity, harvest and transfer it to a safe place immediately.
- Complete harvesting as early as possible.
- Drain out the water from the land 15 days before harvest.

Vegetable

- During this time and weather condition, stem and fruit borer in brinjal crop is expected. For management, it is advised to install 40 Pheromone traps per acre.
- Under present weather condition, there is chance of blight disease in tomato and brinjal which are at fruiting stage. Apply Antibac 10 SP (Streptomycin Sulphate 9% + tetracycline Hydrochloride 1%) @ 0.5g/liter of water.
- Avoid moisture stress conditions to the crops which are at flowering to fruiting stage.
- 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.
- Apply Irrigation.

Horticultural

- Prevailing weather conditions are favorable for black headed caterpillar incidence in coconut. In case of a severe attack, Remove and burn all affected leaves/leaflets. Then spray with Chlorpyrephos 20EC @2.0ml/Litre or Malathion 50EC @ 2.0ml/liter at both surface of the fronds to control the insect.
- Apply coir compost to conserve moisture in banana.
- Prevailing weather conditions are favorable for canker disease incidence in citrus. To control, spray of Streptomycin sulphate 500-1000 ppm or Phytomycin 2500 ppm or Copper oxychloride 0.2% at fortnight intervals is advised.
- To avoid fruit, fall incidences in mango crop under unfavourable weather conditions, it is advised to spray Planofix/Litose/Calbor Plant growth regulator (PGR)@2.0 ml/liter water.
- Wherever flowering is delayed in mango due to unfavourable weather, farmers are advised to spray potassium nitrate 10 g and Urea 5 g per liter of water to enhance the flowering.
- Apply Irrigation.

Livestock

- Give PPR Vaccine to the goat and sheep if required.
- Use naphthalene or turpentine oil to reduce mosquitoes.
- To protect from mosquitoes, use coils or a net with caution.
- Take prompt action if skin disease is found.
- Keep the cowshed neat and clean.
- Give enough water to drink.

Poultry

- Provide duck plague vaccination for ducks.
- Vaccinate against chickenpox and cholera disease.
- Remove affected poultry if disease occurs.
- Use clean water or glucose saline in more heat.
- Keep the poultry shed clean and dry.

Fishery

- According to quantity, give quality food at a specific time every day.
- Stocking large-sized fry leads to higher productivity.
- Stock the specific number and size of the fry.
- Apply 40-50 gm/ per decimal MOP fertilizer if required.
- Apply Urea (150-200 gm), TSP (75-100gm) per decimal.
- Apply fertilizer 3/4 days after application of lime.
- Apply 1 kg lime per decimal for preparing the pond.
- Keep pond depth of 1-1.5 m.

Khulna Region (Districts: Khulna, Satkhira, Bagerhat and Narail)

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

- During this time and weather condition, stem and fruit borer in brinjal crop is expected. For management, it is advised to install 40 Pheromone traps per acre.
- Under present weather condition, there is chance of blight disease in tomato and brinjal which are at fruiting stage. Apply Antibac 10 SP (Streptomycin Sulphate 9% + tetracycline Hydrochloride 1%) @ 0.5g/liter of water.
- Avoid moisture stress conditions to the crops which are at flowering to fruiting stage.

- 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.
- Apply Irrigation.

Horticultural

- Prevailing weather conditions are favorable for black headed caterpillar incidence in coconut. In case of a severe attack, Remove and burn all affected leaves/leaflets. Then spray with Chlorpyrephos 20EC @2.0ml/Litre or Malathion 50EC @ 2.0ml/liter at both surface of the fronds to control the insect.
- Apply coir compost to conserve moisture in banana.
- Prevailing weather conditions are favorable for canker disease incidence in citrus. To control, spray of Streptomycin sulphate 500-1000 ppm or Phytomycin 2500 ppm or Copper oxychloride 0.2% at fortnight intervals is advised.
- To avoid fruit, fall incidences in mango crop under unfavourable weather conditions, it is advised to spray Planofix/Litose/Calbor Plant growth regulator (PGR)@2.0 ml/liter water.
- Wherever flowering is delayed in mango due to unfavourable weather, farmers are advised to spray potassium nitrate 10 g and Urea 5 g per liter of water to enhance the flowering.
- Apply Irrigation.

Livestock

- Give PPR Vaccine to the goat and sheep if required.
- Use naphthalene or turpentine oil to reduce mosquitoes.
- To protect from mosquitoes, use coils or a net with caution.
- Take prompt action if skin disease is found.
- Keep the cowshed neat and clean.
- Give enough water to drink.

Poultry

- Provide duck plague vaccination for ducks.
- Vaccinate against chickenpox and cholera disease.
- Remove affected poultry if disease occurs.
- Use clean water or glucose saline in more heat.
- Keep the poultry shed clean and dry.

Fishery

- According to quantity, give quality food at a specific time every day.
- Stocking large-sized fry leads to higher productivity.
- Stock the specific number and size of the fry.
- Apply 40-50 gm/ per decimal MOP fertilizer if required.
- Apply Urea (150-200 gm), TSP (75-100gm) per decimal.
- Apply fertilizer 3/4 days after application of lime.

- Apply 1 kg lime per decimal for preparing the pond.
- Keep pond depth of 1-1.5 m.

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

Jute

- Continue sowing.
- Start sowing when there is sufficient moisture in the soil

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.
- There is a chance of attack of leaf roller Spray Malathion or Chlorpyriphos @2ml/liter of water.
- Maintain 2-5 cm land water level.
- Apply irrigation.
- Present weather condition is congenial for **False smut** infestation. Favorable Weather Temperature 22-27° C

Vegetable

- During this time and weather condition, stem and fruit borer in brinjal crop is expected. For management, it is advised to install 40 Pheromone traps per acre.
- Under present weather condition, there is chance of blight disease in tomato and brinjal which are at fruiting stage. Apply Antibac 10 SP (Streptomycin Sulphate 9% + tetracycline Hydrochloride 1%) @ 0.5g/liter of water.
- Avoid moisture stress conditions to the crops which are at flowering to fruiting stage.
- 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.
- Apply Irrigation.

Horticultural

- Prevailing weather conditions are favorable for black headed caterpillar incidence in coconut. In case of a severe attack, Remove and burn all affected leaves/leaflets. Then spray with Chlorpyrephos 20EC @2.0ml/Litre or Malathion 50EC @ 2.0ml/liter at both surface of the fronds to control the insect.
- Apply coir compost to conserve moisture in banana.
- Prevailing weather conditions are favorable for canker disease incidence in citrus. To control, spray of Streptomycin sulphate 500-1000 ppm or Phytomycin 2500 ppm or Copper oxychloride 0.2% at fortnight intervals is advised.
- To avoid fruit, fall incidences in mango crop under unfavourable weather conditions, it is advised to spray Planofix/Litose/Calbor Plant growth regulator (PGR)@2.0 ml/liter water.
- Wherever flowering is delayed in mango due to unfavourable weather, farmers are advised to spray potassium nitrate 10 g and Urea 5 g per liter of water to enhance the flowering.
- Apply Irrigation.

Livestock

- Give PPR Vaccine to the goat and sheep if required.
- Use naphthalene or turpentine oil to reduce mosquitoes.
- To protect from mosquitoes, use coils or a net with caution.
- Take prompt action if skin disease is found.
- Keep the cowshed neat and clean.
- Give enough water to drink.

Poultry

- Provide duck plague vaccination for ducks.
- Vaccinate against chickenpox and cholera disease.
- Remove affected poultry if disease occurs.
- Use clean water or glucose saline in more heat.
- Keep the poultry shed clean and dry.

Fishery

- According to quantity, give quality food at a specific time every day.
- Stocking large-sized fry leads to higher productivity.
- Stock the specific number and size of the fry.
- Apply 40-50 gm/ per decimal MOP fertilizer if required.
- Apply Urea (150-200 gm), TSP (75-100gm) per decimal.
- Apply fertilizer 3/4 days after application of lime.
- Apply 1 kg lime per decimal for preparing the pond.
- Keep pond depth of 1-1.5 m.