



Integrated Agromet Advisory Service Bulletin from 26th to 30th Jan'18 Dimapur District

Bulletin No:08/2018

| Weather summary of the preceding week | Weather forecast valid upto 30 th Jan 2018 |
|---|--|
| ■ No rain occurred the past week | Probability of no rain the coming week. |
| | ■ Max temp is likely to be 24°C - 25°C and the min temp 12°C to 13°C |
| 23° C and 7° C to 10° C, respectively. | Sky is likely to be clear the coming week |
| ■ Relative humidity varied from 40% to 88%. | ■ Relative Humidity is likely to range from 22% to 90%. |
| ■ Wind speed ranged from 3 to 4 kmph | ■ Wind speed may reach upto 2-3 kmph |
| | Wind direction will be easterly |
| | |

General Recommendations

- Spraying operation should be done only on dry/clear weather
- Obtain seeds from reputed/certified/reliable source
- Use fertilizers/pesticides as per recommended doses for the location
- Preference must be given on use of organic manures/bio-fertilizers & bio-pesticides

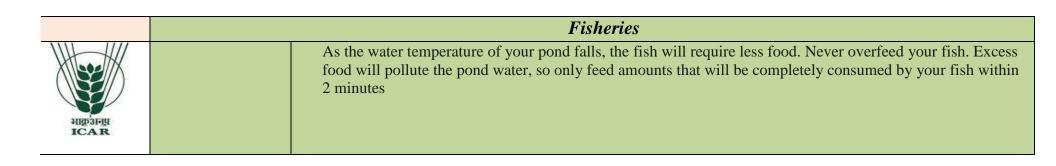
Field crops

| Main Crops | Stage | Pest/ | Agro-meteorological Advisories |
|--------------------|------------------|----------|--|
| | | Diseases | |
| TRC/WRC paddy | Storage | | Dry the paddy grains properly and regularly before storing to reduce storage insect pests and fungus. Paddy grains can be mixed with neem leaves at the time of storage to reduce storage pests. |
| Toria | Maturing stage | - | Keep the field free from weeds and daily scouting of the field should be done for aphid |
| Rabi maize | Silking stage | | Weeding and earthing up should be carried out |
| Linseed/lentil | vegetative stage | | Soil moisture conservation techniques like mulching with crop residue is recommended |
| Horticultural crop | | | |

Horticultural crop

| Khasi mandarin | Harvesting stage | | Harvest the ripened fruits at the right time. Collect and discard the fallen fruits |
|-----------------------|------------------|------------------------|---|
| Vegetables | | | Intercultural operations in vegetables are advised to remove the weeds. |
| Cauliflower, cabbage, | | Black spot Cut worm | Prevailing weather may conducive for black spot disease in Cole Crops and other leafy vegetables. On leaves 'V' shaped chlorotic to yellow lesions develop from |

| | | the leaf margins. They become black later. The veins and veinlets become black. Systemic infection spreads to the root. The vascular bundle in the stem becomes black followed by integration of fleshy stalk. The attack of soft rot organisms causes further detoriation. The cabbage heads and cauliflower curds are invaded and become discoloured. To manage the attack in leafy vegetables and Cole crops, Mancozeb @ 2gm per liter of water may be sprayed. Intercultural operation should be avoided when the plants are wet. Provision of drainage and free air movement to dry the moisture present in the soil | | |
|---|--|---|--|--|
| | | Spray Neem seed kernel extract @500g/ha twice at 10 days interval. Frequent Monitoring should be done and mechanically destroy the caterpillar | | |
| Litchi | | Mulch the tree basin, protect young litchi plants from cold and suppress new flush by application of growth inhibitors | | |
| Ginger / turmeric | Maturity stage | For Ginger and turmeric, field must be inspected daily for disease appearance. While inspecting, the healthy plants/plots must be marked and kept for planting in the next season. Marking has to be done properly otherwise when plant matures and gets dried up, it will be very difficult to find out the marked plots. | | |
| • Animals 20% in the | Livestock Ensure periodic vaccination of animals against FMD, Brucellosis, Haemorrahagic Septicaemia, Anthrax Animals should be given mineral mixture along with salt regularly and wheat grains, jaggery etc. may be provided @ 10% - 20% in the daily ration during winter season to meet the energy requirement of the animals Avoid feeding of damp and foul smelling feed to all livestock and poultry | | | |
| Poultry | | | | |
| | | cks and crevices in the house | | |
| | | an be used during severe winds and draft thus sealing the house from cold draft | | |
| | of the bird | e added to feed and energy levels in the feed can be raised to meet the higher energy need | | |
| | | water to the birds | | |
| Provide warm water to the birds Swine flu may occur in pig at all stages. It is a viral flu and highly contagious. Clinical signs include h fever, skin lesions, convulsions, constipation followed by diarrhea and vomiting, less appetite. Once symptoms is noticed, immediately informed the nearby veterinary doctor Sick or injured animals should be attended to immediately, preferably move to a warm comfortatenvironment. Medications should be used only on the advice of a veterinarian, following recommendations. | | | | |



| Sl.no | Name | Designation | Department | |
|-------|------------------|---------------------|-----------------------------------|--------------------------|
| 1 | Dr.D.J. Rajkhowa | Principle Scientist | Agronomy | djrajkhowa@gmail.com |
| 2 | Dr. L.K. Baishya | Senior Scientist | Agronomy | lkbicar@gmail.com |
| 3 | Ph. Romen Sharma | Scientist | Agricultural Extension | romen.agext@gmail.com |
| 4 | Dr. Rajesha G | Scientist | Plant Pathology | rajeshag337@gmail.com |
| 5 | Dr. Mahak Singh | Scientist | Animal Reproduction & Gynaecology | mahaksinghivri@gmail.com |
| | Dr. Azeze Seyie | Scientist | Spices, Plantation & Medicinal & | |
| 6 | 6 | | Aromatic Plants | azezeseyie@yahoo.com |
| 7 | Jyotish Barman | Scientist | Fisheries Resource Management | jyotish5@gmail.com |
| 8 | Aabon W Yanthan | Scientist | Vegetable Science | aabon.iari@gmail.com |





Integrated Agromet Advisory Service Bulletin from 26th to 30th Jan'18 Kiphire District

Bulletin No:08/2018

| Weather forecast valid upto 30 th Jan 2018 |
|--|
| ■ Probability of no rain the coming week. |
| ■ Max temp is likely to be 24° C - 25° C and the min temp 10° C to 11° C |
| Sky is likely to be clear the coming week |
| ■ Relative Humidity is likely to range from 17% to 90%. |
| ■ Wind speed may reach upto 2-4 kmph |
| Wind direction will be southeasterly |
| |

General Recommendations

- Spraying operation should be done only on dry/clear weather
- Obtain seeds from reputed/certified/reliable source
- Use fertilizers/pesticides as per recommended doses for the location
- Preference must be given on use of organic manures/bio-fertilizers & bio-pesticides

Field crops

| Main Crops | Stage | Pest/ | Agro-meteorological Advisories | |
|----------------|--------------------|----------|--|--|
| | | Diseases | | |
| TRC/WRC paddy | Storage | | Dry the paddy grains properly and regularly before storing to reduce storage insect pests and fungus. Paddy grains can be mixed with neem leaves at the time of storage to reduce storage pests. | |
| Toria | Flowering stage | - | Keep the field free from weeds and daily scouting of the field should be done for aphid | |
| Rabi maize | Silking stage | | Weeding and earthing up should be carried out | |
| Linseed/lentil | vegetative stage | | Soil moisture conservation techniques like mulching with crop residue is recommended | |
| | Horticultural crop | | | |

| Khasi mandarin | Harvesting stage | | Harvest the ripened fruits at the right time. Collect and discard the fallen fruits |
|-----------------------|------------------|------------------------|--|
| Vegetables | | | Intercultural operations in vegetables are advised to remove the weeds. |
| Cauliflower, cabbage, | | Black spot Cut worm | Prevailing weather may conducive for black spot disease in Cole Crops and other leafy vegetables. On leaves 'V' shaped chlorotic to yellow lesions develop |

| Litchi Ginger / turmeric | | the plants are wet. Provision of drainage and free air movement to dry the moisture present in the soil Spray Neem seed kernel extract @500g/ha twice at 10 days interval. Frequent Monitoring should be done and mechanically destroy the caterpillar | |
|--|--|--|--|
| Ginger / | | Frequent Monitoring should be done and mechanically destroy the caterpillar | |
| Ginger / | | | |
| ~ | | Mulch the tree basin, protect young litchi plants from cold and suppress new flush by application of growth inhibitors | |
| | Maturity stage | For Ginger and turmeric, field must be inspected daily for disease appearance. While inspecting, the healthy plants/plots must be marked and kept for planting in the next season. Marking has to be done properly otherwise when plant matures and gets dried up, it will be very difficult to find out the marked plots. | |
| Livestock Ensure periodic vaccination of animals against FMD, Brucellosis, Haemorrahagic Septicaemia, Anthrax Animals should be given mineral mixture along with salt regularly and wheat grains, jaggery etc. may be provided @ 10% - 20% in the daily ration during winter season to meet the energy requirement of the animals Avoid feeding of damp and foul smelling feed to all livestock and poultry Provide good ventilation but prevent chill air from entering in Seal all the cracks and crevices in the house | | | |
| | Side curtains can be used during severe winds and draft thus sealing the house from cold draft Oil or fat can be added to feed and energy levels in the feed can be raised to meet the higher energy need of the bird Provide warm water to the birds | | |
| Piggery | Swine flu may occur in pig at all stages. It is a viral flu and highly contagious. Clinical signs include high fever, skin lesions, convulsions, constipation followed by diarrhea and vomiting, less appetite. Once the symptoms is noticed, immediately informed the nearby veterinary doctor Sick or injured animals should be attended to immediately, preferably move to a warm comfortable environment. Medications should be used only on the advice of a veterinarian, following recommended treatment. | | |
| Fisheries Fisher | | | |



As the water temperature of your pond falls, the fish will require less food. Never overfeed your fish. Excess food will pollute the pond water, so only feed amounts that will be completely consumed by your fish within 2 minutes

| Sl.no | Name | Designation | Department | |
|-------|------------------|---------------------|-----------------------------------|--------------------------|
| 1 | Dr.D.J. Rajkhowa | Principle Scientist | Agronomy | djrajkhowa@gmail.com |
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| 4 | Dr. Rajesha G | Scientist | Plant Pathology | rajeshag337@gmail.com |
| 5 | Dr. Mahak Singh | Scientist | Animal Reproduction & Gynaecology | mahaksinghivri@gmail.com |
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Integrated Agromet Advisory Service Bulletin from 26th to 30th Jan'18Kohima District

Bulletin No:08/2018

| Weather summary of the preceding week | Weather forecast valid upto 30 th Jan 2018 |
|---|--|
| ■ No rain occurred the past week | ■ Probability of no rain the coming week. |
| ■ Maximum and minimum temperatures ranged 17 | ■ Max temp is likely to be 22 ^o C - 23 ^o C and the min temp 8 ^o C to 9 ^o C |
| ⁰ C to 18 ⁰ C and 4 ⁰ C to 6 ⁰ C, respectively. | Sky is likely to be clear the coming week |
| ■ Relative humidity varied from 37% to 90%. | ■ Relative Humidity is likely to range from 26% to 95%. |
| ■ Wind speed ranged from 3 to 4 kmph | ■ Wind speed may reach upto 2-3kmph |
| | Wind direction will be mostly southerly |

Field crons

General Recommendations

- Spraying operation should be done only on dry/clear weather
- Obtain seeds from reputed/certified/reliable source
- Use fertilizers/pesticides as per recommended doses for the location
- Preference must be given on use of organic manures/bio-fertilizers & bio-pesticides

| Tiem crops | | | | |
|-------------------|------------------|----------|--|--|
| Main Crops | Stage | Pest/ | Agro-meteorological Advisories | |
| | | Diseases | | |
| TRC/WRC paddy | Storage | | Dry the paddy grains properly and regularly before storing to reduce storage insect pests and fungus. Paddy grains can be mixed with neem leaves at the time of storage to reduce storage pests. | |
| Toria | Flowering stage | - | Keep the field free from weeds and daily scouting of the field should be done for aphid | |
| Rabi maize | Silking stage | | Weeding and earthing up should be carried out | |
| Linseed/lentil | vegetative stage | | Soil moisture conservation techniques like mulching with crop residue is recommended | |
| | | | Horticultural crop | |
| Khasi mandarin | Harvesting stage | | Harvest the ripened fruits at the right time. Collect and discard the fallen fruits | |

| Vegetables | | | Intercultural operations in vegetables are advised to remove the weeds. |
|-----------------------|----------------|------------|--|
| Cauliflower, cabbage, | | Black spot | Prevailing weather may conducive for black spot disease in Cole Crops and other leafy vegetables. On leaves 'V' shaped chlorotic to yellow lesions develop from the leaf margins. They become black later. The veins and veinlets become black. Systemic infection spreads to the root. The vascular bundle in the stem becomes black followed by integration of fleshy stalk. The attack of soft rot organisms causes further detoriation. The cabbage heads and cauliflower curds are invaded and become discoloured. To manage the attack in leafy vegetables and Cole crops, Mancozeb @ 2gm per liter of water may be sprayed. Intercultural operation should be avoided when the plants are wet. Provision of drainage and free air movement to dry the moisture present in the soil |
| | | Cut worm | Spray Neem seed kernel extract @500g/ha twice at 10 days interval. Frequent Monitoring should be done and mechanically destroy the caterpillar |
| Litchi | | | Mulch the tree basin, protect young litchi plants from cold and suppress new flush by application of growth inhibitors |
| Ginger / turmeric | Maturity stage | | For Ginger and turmeric, field must be inspected daily for disease appearance. While inspecting, the healthy plants/plots must be marked and kept for planting in the next season. Marking has to be done properly otherwise when plant matures and gets dried up, it will be very difficult to find out the marked plots. |

Livestock

- Ensure periodic vaccination of animals against FMD, Brucellosis, Haemorrahagic Septicaemia, Anthrax
- Animals should be given mineral mixture along with salt regularly and wheat grains, jaggery etc. may be provided @ 10% 20% in the daily ration during winter season to meet the energy requirement of the animals
- Avoid feeding of damp and foul smelling feed to all livestock and poultry

Poultry

- Provide good ventilation but prevent chill air from entering in
- > Seal all the cracks and crevices in the house
- > Side curtains can be used during severe winds and draft thus sealing the house from cold draft
- > Oil or fat can be added to feed and energy levels in the feed can be raised to meet the higher energy need of the bird
- Provide warm water to the birds

| | Piggery | Swine flu may occur in pig at all stages. It is a viral flu and highly contagious. Clinical signs include high fever, skin lesions, convulsions, constipation followed by diarrhea and vomiting, less appetite. Once the symptoms is noticed, immediately informed the nearby veterinary doctor Sick or injured animals should be attended to immediately, preferably move to a warm comfortable environment. Medications should be used only on the advice of a veterinarian, following recommended treatment. |
|----------|---------|--|
| | | Fisheries |
| भाकिअभीत | | As the water temperature of your pond falls, the fish will require less food. Never overfeed your fish. Excess food will pollute the pond water, so only feed amounts that will be completely consumed by your fish within 2 minutes |

| Sl.no | Name | Designation | Department | |
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| 6 | | | Aromatic Plants | azezeseyie@yahoo.com |
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Integrated Agromet Advisory Service Bulletin from 26th to 30th Jan'18 Longleng District

Bulletin No:08/2018

| Weather summary of the preceding week | Weather forecast valid upto 30 th Jan 2018 |
|--|--|
| ■ No rain occurred the past week | Probability of no rain the coming week. |
| ■ Maximum and minimum temperatures ranged 21 ^o C | ■ Max temp is likely to be 24° C - 25° C and the min temp 10° C to 11° C |
| to 22 ^o C and 7 ^o C to 9 ^o C, respectively. | Sky is likely to be clear the coming week |
| ■ Relative humidity varied from 60% to 95%. | ■ Relative Humidity is likely to range from 30% to 85%. |
| ■ Wind speed ranged from 1 to 2 kmph | ■ Wind speed may reach upto 2- 3 kmph |
| | Wind direction will be mostly easterly |

General Recommendations

Main

- Spraying operation should be done only on dry/clear weather
- Obtain seeds from reputed/certified/reliable source

Stage

- Use fertilizers/pesticides as per recommended doses for the location
- Preference must be given on use of organic manures/bio-fertilizers & bio-pesticides

Pest/

| F | 'ie | ld | cr | o | D |
|---|-----|----|----|---|---|
| | | | | | |

Agro-meteorological Advisories

| Main | Stage | 1 CSU | Agro-inctcorological Advisories |
|----------------|------------------|------------|--|
| Crops | | Diseases | |
| TRC/WRC | Storage | | Dry the paddy grains properly and regularly before storing to reduce |
| paddy | | | storage insect pests and fungus. Paddy grains can be mixed with neem |
| | | | leaves at the time of storage to reduce storage pests. |
| Toria | Flowering stage | - | Keep the field free from weeds and daily scouting of the field should be |
| | | | done for aphid |
| Rabi maize | Silking stage | | Weeding and earthing up should be carried out |
| | | | |
| Linseed/lentil | vegetative stage | | Soil moisture conservation techniques like mulching with crop residue |
| | | | is recommended |
| | | | |
| | | I | Horticultural crop |
| Khasi | Harvesting stage | | Harvest the ripened fruits at the right time. Collect and discard the fallen |
| mandarin | | | fruits |
| Vegetables | | | Intercultural operations in vegetables are advised to remove the weeds. |
| | | | |
| Cauliflower, | | Black spot | Prevailing weather may conducive for black spot disease in Cole Crops |
| cabbage, | | Cut worm | and other leafy vegetables. On leaves 'V' shaped chlorotic to yellow |

| | | lesions develop from the leaf margins. They become black later. The veins | | |
|----------------------|---|--|--|--|
| | | and veinlets become black. Systemic infection spreads to the root. The | | |
| | | vascular bundle in the stem becomes black followed by integration of | | |
| | | fleshy stalk. The attack of soft rot organisms causes further detoriation | | |
| | The cabbage heads and cauliflower curds are invaded and be | | | |
| | discoloured. | | | |
| | | To manage the attack in leafy vegetables and Cole crops, Mancozeb @ | | |
| | | 2gm per liter of water may be sprayed. Intercultural operation should be | | |
| | | avoided when the plants are wet. Provision of drainage and free air | | |
| | | movement to dry the moisture present in the soil | | |
| | | Spray Neem seed kernel extract @500g/ha twice at 10 days interval. | | |
| | | Frequent Monitoring should be done and mechanically destroy the | | |
| | | caterpillar | | |
| Litchi | | Mulch the tree basin, protect young litchi plants from cold and suppress new flush by application of growth inhibitors | | |
| GI / | 26 | | | |
| Ginger / turmeric | Maturity stage | For Ginger and turmeric, field must be inspected daily for disease appearance. While inspecting, the healthy plants/plots must be marked | | |
| lurmeric | | and kept for planting in the next season. Marking has to be done properly | | |
| | | otherwise when plant matures and gets dried up, it will be very difficult to | | |
| | | find out the marked plots. | | |
| | | Livestock | | |
| | | mals against FMD, Brucellosis, Haemorrahagic Septicaemia, Anthrax | | |
| | —————————————————————————————————————— | mixture along with salt regularly and wheat grains, jaggery etc. may be provided @ | | |
| | · · · · · · · · · · · · · · · · · · · | ng winter season to meet the energy requirement of the animals | | |
| • Avoid for Poultry | | nelling feed to all livestock and poultry | | |
| | | > Provide good ventilation but prevent chill air from entering in | | |
| | > Seal all the cracks and crevices in the house > Side curtains can be used during severe winds and draft thus sealing the house from cold draft | | | |
| | Side curtains can be used during severe winds and draft thus sealing the house from cold draft Oil or fet can be added to feed and energy levels in the feed can be raised to meet the higher energy need. | | | |
| | ➤ Oil or fat can be added to feed and energy levels in the feed can be raised to meet the higher energy need | | | |
| | of the bird Provide warm water to the birds | | | |
| Diagon | | ur in pig at all stages. It is a viral flu and highly contagious. Clinical signs include high | | |
| Piggery | · · | | | |
| | fever, skin lesions, convulsions, constipation followed by diarrhea and vomiting, less appetite. Once the symptoms is noticed, immediately informed the nearby veterinary doctor | | | |
| | symptoms is notice | a, inflication in morning the hearty veterinary doctor | | |

| | Sick or injured animals should be attended to immediately, preferably move to a warm comfortable environment. Medications should be used only on the advice of a veterinarian, following recommended treatment. |
|------------------|--|
| | Fisheries |
| нарзі-ц ІСА R | As the water temperature of your pond falls, the fish will require less food. Never overfeed your fish. Excess food will pollute the pond water, so only feed amounts that will be completely consumed by your fish within 2 minutes |

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| | Dr. Azeze Seyie | Scientist | Spices, Plantation & Medicinal & | |
| 6 | | | Aromatic Plants | azezeseyie@yahoo.com |
| 7 | Jyotish Barman | Scientist | Fisheries Resource Management | jyotish5@gmail.com |
| 8 | Aabon W Yanthan | Scientist | Vegetable Science | aabon.iari@gmail.com |



Integrated Agromet Advisory Service Bulletin from 26th to 30th Jan'18 Mokokchung District

Bulletin No:08/2018

| Weather summary of the preceding week | Weather forecast valid upto 30 th Jan 2018 |
|--|--|
| ■ No rain occurred the past week | ■ Probability of no rain the coming week. |
| • Maximum and minimum temperatures ranged | ■ Max temp is likely to be 24°C - 25°C and the min temp 10°C to 11°C |
| 19 ^o C to 21 ^o C and 6 ^o C to 8 ^o C, respectively. | ■ Sky is likely to be clear the coming week |
| Relative humidity varied from 42% to 90%. | ■ Relative Humidity is likely to range from 31% to 87%. |
| Wind speed ranged from 3 to 5 kmph | ■ Wind speed may reach upto 1- 2kmph |
| - | Wind direction will be easterly |

General Recommendations

- Spraying operation should be done only on dry/clear weather
- Obtain seeds from reputed/certified/reliable source
- Use fertilizers/pesticides as per recommended doses for the location
- Preference must be given on use of organic manures/bio-fertilizers & bio-pesticides

Field crops Main **Agro-meteorological Advisories** Stage Pest/ **Diseases Crops** TRC/WRC Storage Dry the paddy grains properly and regularly before storing to reduce storage insect pests and fungus. Paddy grains can be mixed with neem leaves at the paddy time of storage to reduce storage pests. Keep the field free from weeds and daily scouting of the field should be done Flowering stage Toria for aphid Weeding and earthing up should be carried out Rabi maize Silking stage Soil moisture conservation techniques like mulching with crop residue is Linseed/lenti vegetative stage recommended Horticultural crop Harvesting stage Harvest the ripened fruits at the right time. Collect and discard the fallen fruits Khasi mandarin *Intercultural operations in vegetables are advised to remove the weeds.* **Vegetables**

| Cauliflower, cabbage, | | Black spot | Prevailing weather may conducive for black spot disease in Cole Crops and other leafy vegetables. On leaves 'V' shaped chlorotic to yellow lesions develop from the leaf margins. They become black later. The veins and veinlets become black. Systemic infection spreads to the root. The vascular bundle in the stem becomes black followed by integration of fleshy stalk. The attack of soft rot organisms causes further detoriation. The cabbage heads and cauliflower curds are invaded and become discoloured. To manage the attack in leafy vegetables and Cole crops, Mancozeb @ 2gm per liter of water may be sprayed. Intercultural operation should be avoided when the plants are wet. Provision of drainage and free air movement to dry the moisture present in the soil | |
|-----------------------|---|------------------------------------|--|--|
| | | Cut worm | Spray Neem seed kernel extract @500g/ha twice at 10 days interval. Frequent Monitoring should be done and mechanically destroy the caterpillar | |
| Litchi | | | Mulch the tree basin, protect young litchi plants from cold and suppress new flush by application of growth inhibitors | |
| Ginger / turmeric | Maturity stage | | For Ginger and turmeric, field must be inspected daily for disease appearance. While inspecting, the healthy plants/plots must be marked and kept for planting in the next season. Marking has to be done properly otherwise when plant matures and gets dried up, it will be very difficult to find out the marked plots. | |
| • Anima 20% in | ls should be given minth the daily ration durin | neral mixture a g winter season | Livestock nst FMD, Brucellosis, Haemorrahagic Septicaemia, Anthrax long with salt regularly and wheat grains, jaggery etc. may be provided @ 10% - a to meet the energy requirement of the animals ed to all livestock and poultry | |
| Poultry | Provide good ventilation but prevent chill air from entering in Seal all the cracks and crevices in the house | | | |
| | Sear an the cracks and crevices in the house Side curtains can be used during severe winds and draft thus sealing the house from cold draft Oil or fat can be added to feed and energy levels in the feed can be raised to meet the higher energy need of the bird Provide warm water to the birds | | | |
| Piggery | Swine flu may occur in pig at all stages. It is a viral flu and highly contagious. Clinical signs include high fever, skin lesions, convulsions, constipation followed by diarrhea and vomiting, less appetite. Once the symptoms is noticed, immediately informed the nearby veterinary doctor Sick or injured animals should be attended to immediately, preferably move to a warm comfortable environment. Medications should be used only on the advice of a veterinarian, following recommended | | | |



Fisheries

As the water temperature of your pond falls, the fish will require less food. Never overfeed your fish. Excess food will pollute the pond water, so only feed amounts that will be completely consumed by your fish within 2 minutes.

| Sl.no | Name | Designation | Department | |
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| 6 | | | Aromatic Plants | azezeseyie@yahoo.com |
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Integrated Agromet Advisory Service Bulletin from 26th to 30th Jan'18 Mon District

Bulletin No:08/2018

| Weather summary of the preceding week | Weather forecast valid upto 30 th Jan 2018 |
|--|--|
| ■ No rain occurred the past week | ■ Probability of no rain the coming week. |
| ■ Maximum and minimum temperatures ranged | ■ Max temp is likely to be 24° C - 25° C and the min temp 10° C to 11° C |
| 18^{0} C to 19^{0} C and 6^{0} C to 7^{0} C, respectively. | • Sky is likely to be clear the coming week |
| ■ Relative humidity varied from 36% to 85% | ■ Relative Humidity is likely to range from 31% to 90%. |
| ■ Wind speed ranged from 5 to 6 kmph | ■ Wind speed may reach upto 3- 5 kmph |
| | Wind direction will be southeasterly |
| | |

General Recommendations

- Spraying operation should be done only on dry/clear weather
- Obtain seeds from reputed/certified/reliable source
- Use fertilizers/pesticides as per recommended doses for the location
- Preference must be given on use of organic manures/bio-fertilizers & bio-pesticides

Field crops

| Main | Stage | Pest/ | Agro-meteorological Advisories |
|--------------------|------------------|--------------------|---|
| Crops | | Diseases | |
| TRC/WRC | Storage | | Dry the paddy grains properly and regularly before storing to reduce |
| paddy | | | storage insect pests and fungus. Paddy grains can be mixed with neem leaves at the time of storage to reduce storage pests. |
| Toria | Maturing stage | - | Soil moisture conservation techniques like mulching with crop residue is recommended |
| | | | Keep the field free from weeds and daily scouting of the field should be done for aphid. |
| Rabi maize | Maturing stage | | Provide mulching to conserve moisture |
| Linseed/lentil | Maturing stage | | Soil moisture conservation techniques like mulching with crop residue is recommended |
| Horticultural crop | | Horticultural crop | |
| Khasi mandarin | Harvesting stage | | Harvest the ripened fruits at the right time. Collect and discard the fallen fruits |

| Vegetables | | Intercultural operations in vegetables are advised to remove the weeds. | | |
|---|---|--|--|--|
| Cauliflower, cabbage, | Black spot | Prevailing weather may conducive for black spot disease in Cole Crops and other leafy vegetables. On leaves 'V' shaped chlorotic to yellow lesions develop from the leaf margins. They become black later. The veins and veinlets become black. Systemic infection spreads to the root. The vascular bundle in the stem becomes black followed by integration of fleshy stalk. The attack of soft rot organisms causes further detoriation. The cabbage heads and cauliflower curds are invaded and become discoloured. To manage the attack in leafy vegetables and Cole crops, Mancozeb @ 2gm per liter of water may be sprayed. Intercultural operation should be avoided when the plants are wet. Provision of drainage and free air movement to dry the moisture present in the soil | | |
| | Cut worm | Spray Neem seed kernel extract @500g/ha twice at 10 days interval. Frequent Monitoring should be done and mechanically destroy the caterpillar | | |
| Litchi | | Mulch the tree basin, protect young litchi plants from cold and suppress new flush by application of growth inhibitors | | |
| Ginger / turmeric | Maturity stage | For Ginger and turmeric, field must be inspected daily for disease appearance. While inspecting, the healthy plants/plots must be marked and kept for planting in the next season. Marking has to be done properly otherwise when plant matures and gets dried up, it will be very difficult to find out the marked plots. | | |
| Livestock Ensure periodic vaccination of animals against FMD, Brucellosis, Haemorrahagic Septicaemia, Anthrax Animals should be given mineral mixture along with salt regularly and wheat grains, jaggery etc. may be provided @ 10% - 20% in the daily ration during winter season to meet the energy requirement of the animals | | | | |
| Poultry | Provide good ventilation but prevent chill air from entering in Seal all the cracks and crevices in the house Side curtains can be used during severe winds and draft thus sealing the house from cold draft Oil or fat can be added to feed and energy levels in the feed can be raised to meet the higher energy need of the bird Provide warm water to the birds | | | |
| Piggery | Swine flu may occur in pig at all stages. It is a viral flu and highly contagious. Clinical signs include high fever, skin lesions, convulsions, constipation followed by diarrhea and vomiting, less appetite. Once the symptoms is noticed, immediately informed the nearby veterinary doctor | | | |

| | Sick or injured animals should be attended to immediately, preferably move to a warm comfortable environment. Medications should be used only on the advice of a veterinarian, following recommended treatment. |
|---------------|---|
| | Fisheries |
| нфзиц ICAR | As the water temperature of your pond falls, the fish will require less food. Never overfeed your fish. Excess food will pollute the pond water, so only feed amounts that will be completely consumed by your fish within 2 minutes. |

| Sl.no | Name | Designation | Department | |
|-----------------------------|------------------|---------------------|-----------------------------------|--------------------------|
| 1 | Dr.D.J. Rajkhowa | Principle Scientist | Agronomy | djrajkhowa@gmail.com |
| 2 | Dr. L.K. Baishya | Senior Scientist | Agronomy | lkbicar@gmail.com |
| 3 | Ph. Romen Sharma | Scientist | Agricultural Extension | romen.agext@gmail.com |
| 4 Dr. Rajesha G Scientist | | Scientist | Plant Pathology | rajeshag337@gmail.com |
| 5 | Dr. Mahak Singh | Scientist | Animal Reproduction & Gynaecology | mahaksinghivri@gmail.com |
| | Dr. Azeze Seyie | Scientist | Spices, Plantation & Medicinal & | |
| 6 | | | Aromatic Plants | azezeseyie@yahoo.com |
| 7 | Jyotish Barman | Scientist | Fisheries Resource Management | jyotish5@gmail.com |
| 8 Aabon W Yanthan Scientist | | Scientist | Vegetable Science | aabon.iari@gmail.com |



Integrated Agromet Advisory Service Bulletin from 26th to 30th Jan'18 Peren District

Bulletin No:08/2018

| Weather summary of the preceding week | Weather forecast valid upto 30 th Jan 2018 |
|--|---|
| ■ No rain occurred the past week | ■ Probability of no rain the coming week. |
| ■ Maximum and minimum temperatures ranged | ■ Max temp is likely to be 24° C - 25° C and the min temp 9° C to 10° C |
| 20° C to 21° C and 5° C to 7° C, respectively. | Sky is likely to be clear the coming week |
| ■ Relative humidity varied from 39% to 90%. | ■ Relative Humidity is likely to range from 27% to 85%. |
| ■ Wind speed ranged from 3 to 4 kmph | ■ Wind speed may reach upto 2-3 kmph |
| | Wind direction will be southeasterly |

General Recommendations

- Spraying operation should be done only on dry/clear weather
- Obtain seeds from reputed/certified/reliable source
- Use fertilizers/pesticides as per recommended doses for the location
- Preference must be given on use of organic manures/bio-fertilizers & bio-pesticides

Field crops

| Main Crops | Stage | Pest/ | Agro-meteorological Advisories |
|--------------------|--|----------|--|
| | | Diseases | |
| TRC/WRC paddy | Storage | | Dry the paddy grains properly and regularly before storing to reduce storage insect pests and fungus. Paddy grains can be mixed with neem leaves at the time of storage to reduce storage pests. |
| Toria | Toria Flowering stage - Keep the field free from weeds and daily scouting of the for aphid | | Keep the field free from weeds and daily scouting of the field should be done for aphid |
| Rabi maize | Silking stage | | Weeding and earthing up should be carried out |
| Linseed/lentil | vegetative stage | | Soil moisture conservation techniques like mulching with crop residue is recommended |
| Horticultural crop | | | Horticultural crop |
| Khasi | Harvesting | | Harvest the ripened fruits at the right time. Collect and discard the fallen |
| mandarin | stage | | fruits |

| Vegetables | | | Intercultural operations in vegetables are advised to remove the weeds. |
|---|--|------------|--|
| Cauliflower, cabbage, | | Black spot | Prevailing weather may conducive for black spot disease in Cole Crops and other leafy vegetables. On leaves 'V' shaped chlorotic to yellow lesions develop from the leaf margins. They become black later. The veins and veinlets become black. Systemic infection spreads to the root. The vascular bundle in the stem becomes black followed by integration of fleshy stalk. The attack of soft rot organisms causes further detoriation. The cabbage heads and cauliflower curds are invaded and become discoloured. To manage the attack in leafy vegetables and Cole crops, Mancozeb @ 2gm per liter of water may be sprayed. Intercultural operation should be avoided when the plants are wet. Provision of drainage and free air movement to dry the moisture present in the soil |
| | | Cut worm | Spray Neem seed kernel extract @500g/ha twice at 10 days interval. Frequent Monitoring should be done and mechanically destroy the caterpillar |
| Litchi | | | Mulch the tree basin, protect young litchi plants from cold and suppress new flush by application of growth inhibitors |
| Ginger / turmeric | Maturity stage | | For Ginger and turmeric, field must be inspected daily for disease appearance. While inspecting, the healthy plants/plots must be marked and kept for planting in the next season. Marking has to be done properly otherwise when plant matures and gets dried up, it will be very difficult to find out the marked plots. |
| Livestock Ensure periodic vaccination of animals against FMD, Brucellosis, Haemorrahagic Septicaemia, Anthrax Animals should be given mineral mixture along with salt regularly and wheat grains, jaggery etc. may be provided @ -20% in the daily ration during winter season to meet the energy requirement of the animals Avoid feeding of damp and foul smelling feed to all livestock and poultry | | | Livestock ainst FMD, Brucellosis, Haemorrahagic Septicaemia, Anthrax along with salt regularly and wheat grains, jaggery etc. may be provided @ 10% ason to meet the energy requirement of the animals |
| Poultry | Provide good ventilation but prevent chill air from entering in Seal all the cracks and crevices in the house | | |

> Side curtains can be used during severe winds and draft thus sealing the house from cold draft

of the bird

> Provide warm water to the birds

> Oil or fat can be added to feed and energy levels in the feed can be raised to meet the higher energy need



| Piggery | Swine flu may occur in pig at all stages. It is a viral flu and highly contagious. Clinical signs include high fever, skin lesions, convulsions, constipation followed by diarrhea and vomiting, less appetite. Once the symptoms is noticed, immediately informed the nearby veterinary doctor Sick or injured animals should be attended to immediately, preferably move to a warm comfortable environment. Medications should be used only on the advice of a veterinarian, following recommended treatment. |
|---------|--|
| | Fisheries |
| | As the water temperature of your pond falls, the fish will require less food. Never overfeed your fish. Excess food will pollute the pond water, so only feed amounts that will be completely consumed by your fish within 2 minutes |

| Sl.no | Name | Designation | Department | |
|-----------------------------|--|------------------|-----------------------------------|--------------------------|
| 1 | 1 Dr.D.J. Rajkhowa Principle Scientist | | Agronomy | djrajkhowa@gmail.com |
| 2 | Dr. L.K. Baishya | Senior Scientist | Agronomy | lkbicar@gmail.com |
| 3 | Ph. Romen Sharma | Scientist | Agricultural Extension | romen.agext@gmail.com |
| 4 | Dr. Rajesha G | Scientist | Plant Pathology | rajeshag337@gmail.com |
| 5 | Dr. Mahak Singh | Scientist | Animal Reproduction & Gynaecology | mahaksinghivri@gmail.com |
| | Dr. Azeze Seyie | Scientist | Spices, Plantation & Medicinal & | |
| 6 | | | Aromatic Plants | azezeseyie@yahoo.com |
| 7 | Jyotish Barman | Scientist | Fisheries Resource Management | jyotish5@gmail.com |
| 8 Aabon W Yanthan Scientist | | Scientist | Vegetable Science | aabon.iari@gmail.com |



Integrated Agromet Advisory Service Bulletin from 26th to 30th Jan'18 Phek District

Bulletin No:08/2018

| Weather summary of the preceding week | Weather forecast valid upto 30 th Jan 2018 |
|---|--|
| | ■ Probability of no rain the coming week. |
| | ■ Max temp is likely to be 24 ^o C - 25 ^o C and the min temp 8 ^o C to 9 ^o C |
| ranged 16° C to 17° C and 4° C to 6° C, | Sky is likely to be clear the coming week |
| respectively. | ■ Relative Humidity is likely to range from 27% to 96%. |
| ■ Relative humidity varied from 30% to 90%. | ■ Wind speed may reach upto 1-2 kmph |
| ■ Wind speed ranged from 1 to 2 kmph | Wind direction will be mostly southeasterly |
| | |

General Recommendations

mandarin

stage

- Spraying operation should be done only on dry/clear weather
- Obtain seeds from reputed/certified/reliable source
- Use fertilizers/pesticides as per recommended doses for the location
- Preference must be given on use of organic manures/bio-fertilizers & bio-pesticides

| | Field crops | | | | |
|--------------------|------------------|---|--|--|--|
| Main Stage Pest/ | | Pest/ | Agro-meteorological Advisories | | |
| Crops | | Diseases | | | |
| TRC/WRC paddy | Storage | | Dry the paddy grains properly and regularly before storing to reduce storage insect pests and fungus. Paddy grains can be mixed with neem leaves at the time of storage to reduce storage pests. | | |
| Toria | Flowering stage | Flowering stage - Keep the field free from weeds and daily scouting of the field should aphid | | | |
| Rabi maize | Silking stage | | Weeding and earthing up should be carried out | | |
| Linseed/lent il | vegetative stage | | Soil moisture conservation techniques like mulching with crop residue is recommended | | |
| Horticultural crop | | | | | |
| Khasi | Harvesting | | Harvest the ripened fruits at the right time. Collect and discard the fallen fruits | | |

| Vegetables | | | Intercultural operations in vegetables are advised to remove the weeds. |
|--|----------------|------------|--|
| leafy vegetables. leaf margins. The Systemic infection black followed by further detoriation become discolour. To manage the attention of water may be seen as the second black followed by the second become discolour. | | Black spot | Prevailing weather may conducive for black spot disease in Cole Crops and other leafy vegetables. On leaves 'V' shaped chlorotic to yellow lesions develop from the leaf margins. They become black later. The veins and veinlets become black. Systemic infection spreads to the root. The vascular bundle in the stem becomes black followed by integration of fleshy stalk. The attack of soft rot organisms causes further detoriation. The cabbage heads and cauliflower curds are invaded and become discoloured. To manage the attack in leafy vegetables and Cole crops, Mancozeb @ 2gm per liter of water may be sprayed. Intercultural operation should be avoided when the plants are wet. Provision of drainage and free air movement to dry the moisture present in the soil |
| | | Cut worm | Spray Neem seed kernel extract @500g/ha twice at 10 days interval. Frequent Monitoring should be done and mechanically destroy the caterpillar |
| Litchi | | | Mulch the tree basin, protect young litchi plants from cold and suppress new flush by application of growth inhibitors |
| Ginger / turmeric | Maturity stage | | For Ginger and turmeric, field must be inspected daily for disease appearance. While inspecting, the healthy plants/plots must be marked and kept for planting in the next season. Marking has to be done properly otherwise when plant matures and gets dried up, it will be very difficult to find out the marked plots. |
| | | | gets dried up, it will be very difficult to find out the marked plots. Livestock |

- Ensure periodic vaccination of animals against FMD, Brucellosis, Haemorrahagic Septicaemia, Anthrax
- Animals should be given mineral mixture along with salt regularly and wheat grains, jaggery etc. may be provided @ 10% 20% in the daily ration during winter season to meet the energy requirement of the animals
- Avoid feeding of damp and foul smelling feed to all livestock and poultry

Poultry

- > Provide good ventilation but prevent chill air from entering in
- > Seal all the cracks and crevices in the house
- > Side curtains can be used during severe winds and draft thus sealing the house from cold draft
- > Oil or fat can be added to feed and energy levels in the feed can be raised to meet the higher energy need of the bird

| | | > Provide warm water to the birds |
|----------------|---------|--|
| | Piggery | Swine flu may occur in pig at all stages. It is a viral flu and highly contagious. Clinical signs include high fever, skin lesions, convulsions, constipation followed by diarrhea and vomiting, less appetite. Once the symptoms is noticed, immediately informed the nearby veterinary doctor Sick or injured animals should be attended to immediately, preferably move to a warm comfortable environment. Medications should be used only on the advice of a veterinarian, following recommended treatment. |
| | | Fisheries |
| нцэзгд ІСАК | | As the water temperature of your pond falls, the fish will require less food. Never overfeed your fish. Excess food will pollute the pond water, so only feed amounts that will be completely consumed by your fish within 2 minutes |

| Sl.no | Name | Designation | Department | |
|-------|------------------|---------------------|-----------------------------------|--------------------------|
| 1 | Dr.D.J. Rajkhowa | Principle Scientist | Agronomy | djrajkhowa@gmail.com |
| 2 | Dr. L.K. Baishya | Senior Scientist | Agronomy | lkbicar@gmail.com |
| 3 | Ph. Romen Sharma | Scientist | Agricultural Extension | romen.agext@gmail.com |
| 4 | Dr. Rajesha G | Scientist | Plant Pathology | rajeshag337@gmail.com |
| 5 | Dr. Mahak Singh | Scientist | Animal Reproduction & Gynaecology | mahaksinghivri@gmail.com |
| | Dr. Azeze Seyie | Scientist | Spices, Plantation & Medicinal & | |
| 6 | | | Aromatic Plants | azezeseyie@yahoo.com |
| 7 | Jyotish Barman | Scientist | Fisheries Resource Management | jyotish5@gmail.com |
| 8 | Aabon W Yanthan | Scientist | Vegetable Science | aabon.iari@gmail.com |





Integrated Agromet Advisory Service Bulletin from 26th to 30th Jan'18 Tuensang District

Bulletin No:08/2018

| Dailetiii 110100/2010 | |
|--|--|
| Weather summary of the preceding week | Weather forecast valid upto 30 th Jan 2018 |
| ■ No rain occurred the past week | ■ Probability of no rain the coming week. |
| ■ Maximum and minimum temperatures ranged | ■ Max temp is likely to be 20° C - 21° C and the min temp 6° C to 7° C |
| 13 ^o C to 16 ^o C and 4 ^o C to 6 ^o C, respectively. | Sky is likely to be clear the coming week |
| ■ Relative humidity varied from 30% to 95%. | ■ Relative Humidity is likely to range from 17% to 85%. |
| Wind speed ranged from 3 to 4 kmph | ■ Wind speed may reach upto 2-3 kmph |
| | ■ Wind direction will be mostly southerly |

General Recommendations

- Spraying operation should be done only on dry/clear weather
- Obtain seeds from reputed/certified/reliable source
- Use fertilizers/pesticides as per recommended doses for the location
- Preference must be given on use of organic manures/bio-fertilizers & bio-pesticides

Field crops Main Pest/ Agro-meteorological Advisories Stage **Diseases Crops** TRC/WRC Dry the paddy grains properly and regularly before storing to reduce Storage storage insect pests and fungus. Paddy grains can be mixed with neem paddy leaves at the time of storage to reduce storage pests. *Keep the field free from weeds and daily scouting of the field should be done* Flowering stage **Toria** for aphid Weeding and earthing up should be carried out Rabi maize Silking stage Linseed/lenti vegetative stage Soil moisture conservation techniques like mulching with crop residue is recommended Horticultural crop Harvest the ripened fruits at the right time. Collect and discard the fallen Harvesting stage Khasi mandarin fruits *Intercultural operations in vegetables are advised to remove the weeds.* **Vegetables**

| Cauliflowe | r, | Black spot | Prevailing weather may conducive for black spot disease in Cole Crops and | |
|----------------------|----------------------|--|--|--|
| cabbage, | | • | other leafy vegetables. On leaves 'V' shaped chlorotic to yellow lesions | |
| | | | develop from the leaf margins. They become black later. The veins and | |
| | | | veinlets become black. Systemic infection spreads to the root. The vascular | |
| | | | bundle in the stem becomes black followed by integration of fleshy stalk. The | |
| | | | attack of soft rot organisms causes further detoriation. The cabbage heads | |
| | | | and cauliflower curds are invaded and become discoloured. | |
| | | | To manage the attack in leafy vegetables and Cole crops, Mancozeb @ 2gm | |
| | | | per liter of water may be sprayed. Intercultural operation should be avoided | |
| | | | when the plants are wet. Provision of drainage and free air movement to dry | |
| | | | the moisture present in the soil | |
| | | Cut worm | Spray Neem seed kernel extract @500g/ha twice at 10 days interval. | |
| | | | Frequent Monitoring should be done and mechanically destroy the | |
| | | | caterpillar | |
| Litchi | | | Mulch the tree basin, protect young litchi plants from cold and suppress | |
| Circa and | Maturity ato as | | new flush by application of growth inhibitors | |
| Ginger / turmeric | Maturity stage | | For Ginger and turmeric, field must be inspected daily for disease appearance. While inspecting, the healthy plants/plots must be marked and | |
| turmerte | | | kept for planting in the next season. Marking has to be done properly | |
| | | | otherwise when plant matures and gets dried up, it will be very difficult to | |
| | | | find out the marked plots. | |
| _ | | | Livestock | |
| | - | | ainst FMD, Brucellosis, Haemorrahagic Septicaemia, Anthrax | |
| | | | e along with salt regularly and wheat grains, jaggery etc. may be provided @ er season to meet the energy requirement of the animals | |
| | • | | feed to all livestock and poultry | |
| Poultry | | | revent chill air from entering in | |
| | ➤ Seal all the crack | > Seal all the cracks and crevices in the house | | |
| | Side curtains can | ➤ Side curtains can be used during severe winds and draft thus sealing the house from cold draft | | |
| | | > Oil or fat can be added to feed and energy levels in the feed can be raised to meet the higher energy need of | | |
| | the bird | | | |
| | | > Provide warm water to the birds | | |
| Piggery | • | > Swine flu may occur in pig at all stages. It is a viral flu and highly contagious. Clinical signs include high | | |
| | | | ons, constipation followed by diarrhea and vomiting, less appetite. Once the | |
| | • • | | ately informed the nearby veterinary doctor | |
| | Sick or injured | > Sick or injured animals should be attended to immediately, preferably move to a warm comfortable | | |

| | environment. Medications should be used only on the advice of a veterinarian, following recommended treatment. |
|---------------------|--|
| | Fisheries |
| Higp st-fig ICAR | As the water temperature of your pond falls, the fish will require less food. Never overfeed your fish. Excess food will pollute the pond water, so only feed amounts that will be completely consumed by your fish within 2 minutes |

| Sl.no | Name | Designation | Department | |
|-------|------------------|---------------------|-----------------------------------|--------------------------|
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| 6 | | | Aromatic Plants | azezeseyie@yahoo.com |
| 7 | Jyotish Barman | Scientist | Fisheries Resource Management | jyotish5@gmail.com |
| 8 | Aabon W Yanthan | Scientist | Vegetable Science | aabon.iari@gmail.com |





Integrated Agromet Advisory Service Bulletin from 26th to 30th Jan'18 Wokha District

Bulletin No:08/2018

| Weather summary of the preceding week | Weather forecast valid upto 30 th Jan 2018 |
|--|---|
| ■ No rain occurred the past week | Probability of no rain the coming week. |
| ■ Maximum and minimum temperatures ranged | ■ Max temp is likely to be 24° C - 25° C and the min temp 9° C to 10° C |
| 20^{0} C to 21^{0} C and 6^{0} C to 7^{0} C, respectively. | Sky is likely to be clear the coming week |
| ■ Relative humidity varied from 43% to 90%. | ■ Relative Humidity is likely to range from 27% to 92%. |
| ■ Wind speed ranged from 4 to 5 kmph | ■ Wind speed may reach upto 3-4 kmph |
| | Wind direction will be southeasterly |

General Recommendations

- Spraying operation should be done only on dry/clear weather
- Obtain seeds from reputed/certified/reliable source
- Use fertilizers/pesticides as per recommended doses for the location
- Preference must be given on use of organic manures/bio-fertilizers & bio-pesticides

Field crops

| Main | Stage | Pest/ | Agro-meteorological Advisories |
|-------------------|------------------|----------|--|
| Crops | | Diseases | |
| TRC/WRC paddy | Storage | | Dry the paddy grains properly and regularly before storing to reduce storage insect pests and fungus. Paddy grains can be mixed with neem leaves at the time of storage to reduce storage pests. |
| Toria | Flowering stage | - | Keep the field free from weeds and daily scouting of the field should be done for aphid |
| Rabi maize | Silking stage | | Weeding and earthing up should be carried out |
| Linseed/lentil | vegetative stage | | Soil moisture conservation techniques like mulching with crop residue is recommended |
| | | | Horticultural crop |
| Khasi mandarin | Harvesting stage | | Harvest the ripened fruits at the right time. Collect and discard the fallen fruits |
| Vegetables | | | Intercultural operations in vegetables are advised to remove the weeds. |

| Cauliflower, cabbage, | | Black spot | Prevailing weather may conducive for black spot disease in Cole Crops and other leafy vegetables. On leaves 'V' shaped chlorotic to yellow lesions develop from the leaf margins. They become black later. The veins and veinlets become black. Systemic infection spreads to the root. The vascular bundle in the stem becomes black followed by integration of fleshy stalk. The attack of soft rot organisms causes further detoriation. The cabbage heads and cauliflower curds are invaded and become discoloured. To manage the attack in leafy vegetables and Cole crops, Mancozeb @ 2gm per liter of water may be sprayed. Intercultural operation should be avoided when the plants are wet. Provision of drainage and free air movement to dry the moisture present in the soil Spray Neem seed kernel extract @500g/ha twice at 10 days interval. Frequent Monitoring should be done and mechanically destroy the caterpillar |
|-----------------------|----------------|------------|--|
| Litchi | | | Mulch the tree basin, protect young litchi plants from cold and suppress new flush by application of growth inhibitors |
| Ginger / turmeric | Maturity stage | | For Ginger and turmeric, field must be inspected daily for disease appearance. While inspecting, the healthy plants/plots must be marked and kept for planting in the next season. Marking has to be done properly otherwise when plant matures and gets dried up, it will be very difficult to find out the marked plots. |

- Ensure periodic vaccination of animals against FMD, Brucellosis, Haemorrahagic Septicaemia, Anthrax
- Animals should be given mineral mixture along with salt regularly and wheat grains, jaggery etc. may be provided @ 10% - 20% in the daily ration during winter season to meet the energy requirement of the animals
- Avoid feeding of damp and foul smelling feed to all livestock and poultry

Poultry

- Provide good ventilation but prevent chill air from entering in
- > Seal all the cracks and crevices in the house
- > Side curtains can be used during severe winds and draft thus sealing the house from cold draft
- > Oil or fat can be added to feed and energy levels in the feed can be raised to meet the higher energy need of the bird
- > Provide warm water to the birds



| | Piggery | Swine flu may occur in pig at all stages. It is a viral flu and highly contagious. Clinical signs include high fever, skin lesions, convulsions, constipation followed by diarrhea and vomiting, less appetite. Once the symptoms is noticed, immediately informed the nearby veterinary doctor Sick or injured animals should be attended to immediately, preferably move to a warm comfortable environment. Medications should be used only on the advice of a veterinarian, following recommended treatment. |
|----------------|---------|--|
| нфзінц ІСАК | | Fisheries — — — — — — — — — — — — — — — — — — — |
| | | As the water temperature of your pond falls, the fish will require less food. Never overfeed your fish. Excess food will pollute the pond water, so only feed amounts that will be completely consumed by your fish within 2 minutes |

| Sl.no | Name | Designation | Department | |
|-------|------------------|---------------------|-----------------------------------|--------------------------|
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| | Dr. Azeze Seyie | Scientist | Spices, Plantation & Medicinal & | |
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Integrated Agromet Advisory Service Bulletin from 26th to 30th Jan'18 Zunheboto District

Bulletin No:08/2018

| Weather summary of the preceding week | Weather forecast valid upto 30 th Jan 2018 |
|--|--|
| ■ No rain occurred the past week | ■ Probability of no rain the coming week. |
| ■ Maximum and minimum temperatures range | ■ Max temp is likely to be 24 ^o C - 25 ^o C and the min temp 8 ^o C to 9 ^o C |
| 16 ^o C to 18 ^o C and 3 ^o C to 5 ^o C, respectively. | • Sky is likely to be clear the coming week |
| ■ Relative humidity varied from 37% to 85%. | ■ Relative Humidity is likely to range from 32% to 95%. |
| Wind speed ranged from 4 to 5 kmph | ■ Wind speed may reach upto 1-2 kmph |
| | Wind direction will be mostly southeasterly |
| | |

General Recommendations

- Spraying operation should be done only on dry/clear weather
- Obtain seeds from reputed/certified/reliable source
- Use fertilizers/pesticides as per recommended doses for the location
- Preference must be given on use of organic manures/bio-fertilizers & bio-pesticides

Field crops

| Main Crops | Stage | Pest/ Diseases | Agro-meteorological Advisories |
|--------------------|------------------|-------------------|--|
| TRC/WRC paddy | Storage | | Dry the paddy grains properly and regularly before storing to reduce storage insect pests and fungus. Paddy grains can be mixed with neem leaves at the time of storage to reduce storage pests. |
| Toria | Flowering stage | - | Keep the field free from weeds and daily scouting of the field should be done for aphid |
| Rabi maize | Silking stage | | Weeding and earthing up should be carried out |
| Linseed/lent il | vegetative stage | | Soil moisture conservation techniques like mulching with crop residue is recommended |
| | | | Horticultural crop |
| Khasi mandarin | Harvesting stage | | Harvest the ripened fruits at the right time. Collect and discard the fallen fruits |

| Vegetables | | | Intercultural operations in vegetables are advised to remove the weeds. | | |
|-----------------------|---|---------------------------------|--|--|--|
| Cauliflower, cabbage, | | Black spot | Prevailing weather may conducive for black spot disease in Cole Crops and other leafy vegetables. On leaves 'V' shaped chlorotic to yellow lesions develop from the leaf margins. They become black later. The veins and veinlets become black. Systemic infection spreads to the root. The vascular bundle in the stem becomes black followed by integration of fleshy stalk. The attack of soft rot organisms causes further detoriation. The cabbage heads and cauliflower curds are invaded and become discoloured. To manage the attack in leafy vegetables and Cole crops, Mancozeb @ 2gm per liter of water may be sprayed. Intercultural operation should be avoided when the plants are wet. Provision of drainage and free air movement to dry the moisture present in the soil | | |
| | | Cut worm | Spray Neem seed kernel extract @500g/ha twice at 10 days interval. Frequent Monitoring should be done and mechanically destroy the caterpillar | | |
| Litchi | | | Mulch the tree basin, protect young litchi plants from cold and suppress new flush by application of growth inhibitors | | |
| Ginger / turmeric | Maturity stage | | For Ginger and turmeric, field must be inspected daily for disease appearance. While inspecting, the healthy plants/plots must be marked and kept for planting in the next season. Marking has to be done properly otherwise when plant matures and gets dried up, it will be very difficult to find out the marked plots. | | |
| | Livestock | | | | |
| • Anima 10% - | als should be given 20% in the daily rat | mineral mixture ion during wint | ainst FMD, Brucellosis, Haemorrahagic Septicaemia, Anthrax e along with salt regularly and wheat grains, jaggery etc. may be provided @ er season to meet the energy requirement of the animals feed to all livestock and poultry | | |
| Poultry | ➤ Provide good ventilation but prevent chill air from entering in | | | | |
| | > Seal all the cracks and crevices in the house | | | | |
| | Side curtains can be used during severe winds and draft thus sealing the house from cold draft Oil or fat can be added to feed and energy levels in the feed can be raised to meet the higher energy need of | | | | |
| | the bird | | | | |
| | > Provide warm water to the birds | | | | |
| Piggery | Swine flu may occur in pig at all stages. It is a viral flu and highly contagious. Clinical signs include high fever, skin lesions, convulsions, constipation followed by diarrhea and vomiting, less appetite. Once the | | | | |

| | symptoms is noticed, immediately informed the nearby veterinary doctor Sick or injured animals should be attended to immediately, preferably move to a warm comfortable environment. Medications should be used only on the advice of a veterinarian, following recommended treatment. | | | | |
|----------|---|--|--|--|--|
| | Fisheries | | | | |
| भाकुअनुष | As the water temperature of your pond falls, the fish will require less food. Never overfeed your fish. Excess food will pollute the pond water, so only feed amounts that will be completely consumed by your fish within 2 minutes | | | | |

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