




Integrated Agromet Advisory Service Bulletin from 19th to 23rd May'18 Dimapur District

Bulletin No:40/2018

| Weather summary of the preceding week | | | Weather forecast valid upto 23 rd May 2018 |
|--|------------------|----------------|--|
| <ul style="list-style-type: none"> Light rain occurred the past week Maximum and minimum temperatures ranged 29⁰C to 30⁰C and 20⁰C to 21⁰C, respectively. Relative humidity varied from 42% to 90%. Wind speed ranged from 1 to 2 kmph | | | <ul style="list-style-type: none"> Probability of light rain the coming week. Max temp is likely to be 31⁰C - 32⁰C and the min temp 21⁰C to 22⁰C Sky is likely to be partly cloudy the coming week Relative Humidity is likely to range from 40% to 87%. Wind speed may reach upto 2- 4 kmph Wind direction will be mostly southerly |
| <ul style="list-style-type: none"> Water run-off from roads in farm lands can be harvested by directing it into gardens through trenches dug from road sides into gardens. For water from roof-tops, underground tanks can be dug that can be lined with plastic or trapped into various containers such as tanks ready for irrigation use Timely weeding and earthing up should be carried out Use quality and certified seeds for all crops. Success in raising healthy seedlings depends to a larger extent on the quality of seeds. Before sowing, seed should be treated with biological control agent formulations which protects the seed against soil-born fungi and also give a boost to the seedlings | | | |
| Field crops | | | |
| Main Crops | Stage | Pest/ Diseases | Agro-meteorological Advisories |
| Jhum Paddy | Vegetative stage | - | <ul style="list-style-type: none"> Timely weeding should be done. |
| Paddy | Storage | | <ul style="list-style-type: none"> Place sticky traps in the drying and storage areas for rats. Storage rooms should be physically rodent and bird proof, if possible. Inspect the stored seeds once a week for signs of insect infestation. |
| Green gram | Flowering stage | - | Clean cultivation should be maintained. Proper earthing up should be done |
| Maize | Vegetative stage | | Timely weeding and earthing up should be done for the plant to grow well |
| Water harvesting | | | Summer rain is erratic. Dig more number of jalkund or pond to store water right now. Harvested rainwater can give you off season vegetable and a good price |
| Horticultural crop | | | |
| <ul style="list-style-type: none"> Standing rain water in the field may be drained off immediately after rain Planting of vegetable seedlings may be done in raised bed to avoid the soil borne diseases / damping Soil application of biocontrol agents (Trichoderma) at 2.5kg/ha with farm manure before transplanting Transplanting of King chili should be done | | | |

| | | | | |
|--|---|--|--|---|
|  | Khasi Mandarin | | Leaf miner, aphids, mites, trunk borer | <i>Spray neem oil @5ml/litre water against leaf miner, aphids, mites. Shake the trees to collect adult trunk borer</i> |
| | Cucurbits | Vegetative stage | Red beetle | <i>Till June is the peak period of activity. Cultural practices like clean cultivation should be carried out so as to reduce the pest damage.</i> |
| | Okra | Flowering stage | - | <i>Collect and destroy all the infested shoots and fruits.</i> |
| | Brinjal | Transplanting stage | | <i>Thoroughly prepare the field with application of well dried FYM. Maize should be planted on the border to control movement of white flies</i> |
| | Ginger / turmeric | Vegetative stage | Rhizome rot | <i>The plot should be well drained free from water logging and while planting healthy rhizomes should be used for cultivation so as to prevent rhizome rot.</i> |
| | Livestock | | | |
| | <ul style="list-style-type: none"> Water stagnation should be avoided in livestock shed to avoid mosquito breeding | | | |
| | Poultry | <ul style="list-style-type: none"> Double the watering space in poultry houses during summer. Provide plenty of fresh , clean and cool drinking water during hot weather In order to encourage feed intake during summer, reduce the energy content of the feed by 10% Birds must be vaccinated against infectious diseases Remove caked up and wet litter immediately from the poultry house to stop excess heat production | | |
| | Piggery | <ul style="list-style-type: none"> Ensure that pigs have access to an abundant fresh, cool drinking water to avoid heat stress Offer feed that is higher in protein and vitamins to help compensate for their reduction in food intake as pigs tend to eat less feed during summer | | |
| | Fisheries | | | |
| | <ul style="list-style-type: none"> Lime pond as per recommended dose @10kg/bigha Stock fish fingerling @8000/ha Strengthen embankment to avoid erosion due to heavy rainfall If possible, stock bigger size fish seed to ensure faster growth | | | |

SCIENTIFIC EXPERT COMMITTEE

| 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 |
| 6 | Dr. Azeze Seyie | Scientist | Spices, Plantation & Medicinal & 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 19th to 23rd May'18 Kiphire District

Bulletin No:40/2018

Weather summary of the preceding week

- Light rain occurred the past week
- Maximum and minimum temperatures ranged 28⁰C to 30⁰C and 14⁰C to 15⁰C, respectively.
- Relative humidity varied from 23% to 85%.
- Wind speed ranged from 3 to 4 kmph

Weather forecast valid upto 23rd May 2018

- Probability of moderate rain the coming week.
- **Max temp** is likely to be 25⁰C - 26⁰C and the **min temp** 15⁰C to 16⁰C
- **Sky is likely to be mainly cloudy** the coming week
- **Relative Humidity** is likely to range from 55% to 92%.
- **Wind speed** may reach upto 0-4 kmph
- **Wind direction** will be mostly southerly

- Water run-off from roads in farm lands can be harvested by directing it into gardens through trenches dug from road sides into gardens. For water from roof-tops, underground tanks can be dug that can be lined with plastic or trapped into various containers such as tanks ready for irrigation use
- Timely weeding and earthing up should be carried out
- Use quality and certified seeds for all crops. Success in raising healthy seedlings depends to a larger extent on the quality of seeds. Before sowing, seed should be treated with biological control agent formulations which protects the seed against soil-born fungi and also give a boost to the seedlings

Field crops

| Main Crops | Stage | Pest/ Diseases | Agro-meteorological Advisories |
|-------------------------|------------------|-------------------|--|
| <i>Jhum Paddy</i> | Vegetative stage | - | • <i>Timely weeding should be done.</i> |
| <i>Paddy</i> | Storage | | <ul style="list-style-type: none"> • <i>Place sticky traps in the drying and storage areas for rats.</i> • <i>Storage rooms should be physically rodent and bird proof, if possible.</i> • <i>Inspect the stored seeds once a week for signs of insect infestation.</i> |
| <i>Green gram</i> | Flowering stage | - | <i>Clean cultivation should be maintained. Proper earthing up should be done</i> |
| <i>Maize</i> | Vegetative stage | | <i>Timely weeding and earthing up should be done for the plant to grow well</i> |
| <i>Water harvesting</i> | | | <i>Summer rain is erratic. Dig more number of jalkund or pond to store water right now. Harvested rainwater can give you off season vegetable and a good price</i> |

Horticultural crop

- Standing rain water in the field may be drained off immediately after rain
- Planting of vegetable seedlings may be done in raised bed to avoid the soil borne diseases / damping
- Soil application of biocontrol agents (Trichoderma) at 2.5kg/ha with farm manure before transplanting

- Transplanting of King chili should be done

| | | | |
|--------------------------|---------------------|--|---|
| Khasi Mandarin | | Leaf miner, aphids, mites, trunk borer | <i>Spray neem oil @5ml/litre water against leaf miner, aphids, mites. Shake the trees to collect adult trunk borer</i> |
| Cucurbits | Vegetative stage | Red beetle | <i>Till June is the peak period of activity. Cultural practices like clean cultivation should be carried out so as to reduce the pest damage.</i> |
| Okra | Flowering stage | - | <i>Collect and destroy all the infested shoots and fruits.</i> |
| Brinjal | Transplanting stage | | <i>Thoroughly prepare the field with application of well dried FYM. Maize should be planted on the border to control movement of white flies</i> |
| Ginger / turmeric | Vegetative stage | Rhizome rot | <i>The plot should be well drained free from water logging and while planting healthy rhizomes should be used for cultivation so as to prevent rhizome rot.</i> |

Livestock

- Water stagnation should be avoided in livestock shed to avoid mosquito breeding

| | |
|----------------|--|
| Poultry | <ul style="list-style-type: none"> • Double the watering space in poultry houses during summer. Provide plenty of fresh , clean and cool drinking water during hot weather • In order to encourage feed intake during summer, reduce the energy content of the feed by 10% • Birds must be vaccinated against infectious diseases • Remove caked up and wet litter immediately from the poultry house to stop excess heat production |
| Piggery | <ul style="list-style-type: none"> • Ensure that pigs have access to an abundant fresh, cool drinking water to avoid heat stress • Offer feed that is higher in protein and vitamins to help compensate for their reduction in food intake as pigs tend to eat less feed during summer |

Fisheries

- Lime pond as per recommended dose @10kg/bigha
- Stock fish fingerling @8000/ha
- Strengthen embankment to avoid erosion due to heavy rainfall
- If possible, stock bigger size fish seed to ensure faster growth



SCIENTIFIC EXPERT COMMITTEE

| 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 |
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| 5 | Dr. Mahak Singh | Scientist | Animal Reproduction & Gynaecology | mahaksinghivri@gmail.com |
| 6 | Dr. Azeze Seyie | Scientist | Spices, Plantation & Medicinal & Aromatic Plants | azezeseyie@yahoo.com |
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Integrated Agromet Advisory Service Bulletin from 19th to 23rd May'18

Kohima District

Bulletin No:40/2018

| <i>Weather summary of the preceding week</i> | | | <i>Weather forecast valid upto 23rd May 2018</i> |
|--|------------------|-------------------|--|
| <ul style="list-style-type: none"> Light rain occurred the past week Maximum and minimum temperatures ranged 26^oC to 27^oC and 14^oC to 15^oC, respectively. Relative humidity varied from 34% to 92%. Wind speed ranged from 3 to 4 kmph | | | <ul style="list-style-type: none"> Probability of moderate rain the coming week. Max temp is likely to be 23^oC - 24^oC and the min temp 13^oC to 14^oC Sky is likely to be mainly cloudy the coming week Relative Humidity is likely to range from 62% to 95%. Wind speed may reach upto 2-3 kmph Wind direction will be mostly southerly |
| <ul style="list-style-type: none"> Water run-off from roads in farm lands can be harvested by directing it into gardens through trenches dug from road sides into gardens. For water from roof-tops, underground tanks can be dug that can be lined with plastic or trapped into various containers such as tanks ready for irrigation use Timely weeding and earthing up should be carried out Use quality and certified seeds for all crops. Success in raising healthy seedlings depends to a larger extent on the quality of seeds. Before sowing, seed should be treated with biological control agent formulations which protects the seed against soil-born fungi and also give a boost to the seedlings | | | |
| <i>Field crops</i> | | | |
| Main Crops | Stage | Pest/ Diseases | Agro-meteorological Advisories |
| <i>Jhum Paddy</i> | Vegetative stage | - | <ul style="list-style-type: none"> Timely weeding should be done. |
| <i>Paddy</i> | Storage | | <ul style="list-style-type: none"> Place sticky traps in the drying and storage areas for rats. Storage rooms should be physically rodent and bird proof, if possible. Inspect the stored seeds once a week for signs of insect infestation. |
| <i>Green gram</i> | Flowering stage | - | Clean cultivation should be maintained. Proper earthing up should be done |
| <i>Maize</i> | Vegetative stage | | Timely weeding and earthing up should be done for the plant to grow well |
| <i>Water harvesting</i> | | | Summer rain is erratic. Dig more number of jalkund or pond to store water right now. Harvested rainwater can give you off season vegetable and a good price |
| <i>Horticultural crop</i> | | | |
| <ul style="list-style-type: none"> Standing rain water in the field may be drained off immediately after rain | | | |

| | | | | |
|--|---|---|--|---|
| | <ul style="list-style-type: none">Planting of vegetable seedlings may be done in raised bed to avoid the soil borne diseases / dampingSoil application of biocontrol agents (Trichoderma) at 2.5kg/ha with farm manure before transplantingTransplanting of King chili should be done | | | |
| | Khasi Mandarin | | Leaf miner, aphids, mites, trunk borer | <i>Spray neem oil @5ml/litre water against leaf miner, aphids, mites. Shake the trees to collect adult trunk borer</i> |
| | Cucurbits | Vegetative stage | Red beetle | <i>Till June is the peak period of activity. Cultural practices like clean cultivation should be carried out so as to reduce the pest damage.</i> |
| | Okra | Flowering stage | - | <i>Collect and destroy all the infested shoots and fruits.</i> |
| | Brinjal | Transplanting stage | | <i>Thoroughly prepare the field with application of well dried FYM. Maize should be planted on the border to control movement of white flies</i> |
| | Ginger / turmeric | Vegetative stage | Rhizome rot | <i>The plot should be well drained free from water logging and while planting healthy rhizomes should be used for cultivation so as to prevent rhizome rot.</i> |
| | Khasi Mandarin | | Leaf miner, aphids, mites, trunk borer | <i>Spray neem oil @5ml/litre water against leaf miner, aphids, mites. Shake the trees to collect adult trunk borer</i> |
| | Livestock <ul style="list-style-type: none">Water stagnation should be avoided in livestock shed to avoid mosquito breeding | | | |
| | Poultry | <ul style="list-style-type: none">Double the watering space in poultry houses during summer. Provide plenty of fresh , clean and cool drinking water during hot weatherIn order to encourage feed intake during summer, reduce the energy content of the feed by 10%Birds must be vaccinated against infectious diseasesRemove caked up and wet litter immediately from the poultry house to stop excess heat production | | |
| | Piggery | <ul style="list-style-type: none">Ensure that pigs have access to an abundant fresh, cool drinking water to avoid heat stressOffer feed that is higher in protein and vitamins to help compensate for their reduction in food intake as pigs tend to eat less feed during summer | | |
| | Fisheries | | | |
| | | <ul style="list-style-type: none">Lime pond as per recommended dose @10kg/bighaStock fish fingerling @8000/haStrengthen embankment to avoid erosion due to heavy rainfallIf possible, stock bigger size fish seed to ensure faster growth | | |



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| 8 | Aabon W Yanthan | Scientist | Vegetable Science | aabon.iari@gmail.com |



Integrated Agromet Advisory Service Bulletin from 19th to 23rd May '18

Longleng District

Bulletin No:40/2018

Weather summary of the preceding week

- Light rain occurred the past week
- Maximum and minimum temperatures ranged 28⁰C to 30⁰C and 16⁰C to 17⁰C, respectively.
- Relative humidity varied from 23% to 90%.
- Wind speed ranged from 3 to 4 kmph

Weather forecast valid upto 23rd May 2018

- Probability of moderate rain the coming week.
- **Max temp** is likely to be 25⁰C - 26⁰C and the **min temp** 15⁰C to 16⁰C
- **Sky is likely to be mainly cloudy** the coming week
- **Relative Humidity** is likely to range from 55% to 91%.
- **Wind speed** may reach upto 2- 4 kmph
- **Wind direction** will be mostly southeasterly

- Water run-off from roads in farm lands can be harvested by directing it into gardens through trenches dug from road sides into gardens. For water from roof-tops, underground tanks can be dug that can be lined with plastic or trapped into various containers such as tanks ready for irrigation use
- Timely weeding and earthing up should be carried out
- Use quality and certified seeds for all crops. Success in raising healthy seedlings depends to a larger extent on the quality of seeds. Before sowing, seed should be treated with biological control agent formulations which protects the seed against soil-born fungi and also give a boost to the seedlings

Field crops

| Main Crops | Stage | Pest/ Diseases | Agro-meteorological Advisories |
|-------------------------|------------------|----------------|--|
| <i>Jhum Paddy</i> | Vegetative stage | - | • <i>Timely weeding should be done.</i> |
| <i>Paddy</i> | Storage | | <ul style="list-style-type: none"> • <i>Place sticky traps in the drying and storage areas for rats.</i> • <i>Storage rooms should be physically rodent and bird proof, if possible.</i> • <i>Inspect the stored seeds once a week for signs of insect infestation.</i> |
| <i>Green gram</i> | Flowering stage | - | <i>Clean cultivation should be maintained. Proper earthing up should be done</i> |
| <i>Maize</i> | Vegetative stage | | <i>Timely weeding and earthing up should be done for the plant to grow well</i> |
| <i>Water harvesting</i> | | | <i>Summer rain is erratic. Dig more number of jalkund or pond to store water right now. Harvested rainwater can give you off season vegetable and a good price</i> |

Horticultural crop

- Standing rain water in the field may be drained off immediately after rain
- Planting of vegetable seedlings may be done in raised bed to avoid the soil borne diseases / damping
- Soil application of biocontrol agents (Trichoderma) at 2.5kg/ha with farm manure before transplanting
- Transplanting of King chili should be done

| | | | |
|--------------------------|---------------------|--|---|
| Khasi Mandarin | | Leaf miner, aphids, mites, trunk borer | <i>Spray neem oil @5ml/litre water against leaf miner, aphids, mites. Shake the trees to collect adult trunk borer</i> |
| Cucurbits | Vegetative stage | Red beetle | <i>Till June is the peak period of activity. Cultural practices like clean cultivation should be carried out so as to reduce the pest damage.</i> |
| Okra | Flowering stage | - | <i>Collect and destroy all the infested shoots and fruits.</i> |
| Brinjal | Transplanting stage | | <i>Thoroughly prepare the field with application of well dried FYM. Maize should be planted on the border to control movement of white flies</i> |
| Ginger / turmeric | Vegetative stage | Rhizome rot | <i>The plot should be well drained free from water logging and while planting healthy rhizomes should be used for cultivation so as to prevent rhizome rot.</i> |

Livestock

- Water stagnation should be avoided in livestock shed to avoid mosquito breeding

| | |
|----------------|--|
| Poultry | <ul style="list-style-type: none"> • Double the watering space in poultry houses during summer. Provide plenty of fresh , clean and cool drinking water during hot weather • In order to encourage feed intake during summer, reduce the energy content of the feed by 10% • Birds must be vaccinated against infectious diseases • Remove caked up and wet litter immediately from the poultry house to stop excess heat production |
| Piggery | <ul style="list-style-type: none"> • Ensure that pigs have access to an abundant fresh, cool drinking water to avoid heat stress • Offer feed that is higher in protein and vitamins to help compensate for their reduction in food intake as pigs tend to eat less feed during summer |

Fisheries

- Lime pond as per recommended dose @ 10kg/bigha
- Stock fish fingerling @8000/ha
- Strengthen embankment to avoid erosion due to heavy rainfall
- If possible, stock bigger size fish seed to ensure faster growth



SCIENTIFIC EXPERT COMMITTEE

| 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 |
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| 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 19th to 23rd May'18 Mokokchung District

Bulletin No:40/2018

| <i>Weather summary of the preceding week</i> | | | <i>Weather forecast valid upto 23rd May 2018</i> |
|--|------------------|----------------|---|
| <ul style="list-style-type: none"> Light rain occurred the past week Maximum and minimum temperatures ranged 25⁰C to 30⁰C and 14⁰C to 16⁰C, respectively. Relative humidity varied from 29% to 94%. Wind speed ranged from 3 to 5 kmph | | | <ul style="list-style-type: none"> Probability of moderate rain the coming week. Max temp is likely to be 25⁰C - 27⁰C and the min temp 15⁰C to 16⁰C Sky is likely to be mainly cloudy the coming week Relative Humidity is likely to range from 58% to 92%. Wind speed may reach upto 2 - 5 kmph Wind direction will be southeasterly |
| <ul style="list-style-type: none"> Water run-off from roads in farm lands can be harvested by directing it into gardens through trenches dug from road sides into gardens. For water from roof-tops, underground tanks can be dug that can be lined with plastic or trapped into various containers such as tanks ready for irrigation use Timely weeding and earthing up should be carried out Use quality and certified seeds for all crops. Success in raising healthy seedlings depends to a larger extent on the quality of seeds. Before sowing, seed should be treated with biological control agent formulations which protects the seed against soil-born fungi and also give a boost to the seedlings | | | |
| <i>Field crops</i> | | | |
| Main Crops | Stage | Pest/ Diseases | Agro-meteorological Advisories |
| <i>Jhum Paddy</i> | Vegetative stage | - | <ul style="list-style-type: none"> Timely weeding should be done. |
| <i>Paddy</i> | Storage | | <ul style="list-style-type: none"> Place sticky traps in the drying and storage areas for rats. Storage rooms should be physically rodent and bird proof, if possible. Inspect the stored seeds once a week for signs of insect infestation. |
| <i>Green gram</i> | Flowering stage | - | Clean cultivation should be maintained. Proper earthing up should be done |
| <i>Maize</i> | Vegetative stage | | Timely weeding and earthing up should be done for the plant to grow well |
| <i>Water harvesting</i> | | | Summer rain is erratic. Dig more number of jalkund or pond to store water right now. Harvested rainwater can give you off season vegetable and a good price |
| <i>Horticultural crop</i> | | | |
| <ul style="list-style-type: none"> Standing rain water in the field may be drained off immediately after rain Planting of vegetable seedlings may be done in raised bed to avoid the soil borne diseases / damping Soil application of biocontrol agents (Trichoderma) at 2.5kg/ha with farm manure before transplanting Transplanting of King chili should be done | | | |

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| Khasi Mandarin | | Leaf miner, aphids, mites, trunk borer | <i>Spray neem oil @5ml/litre water against leaf miner, aphids, mites. Shake the trees to collect adult trunk borer</i> |
| Cucurbits | Vegetative stage | Red beetle | <i>Till June is the peak period of activity. Cultural practices like clean cultivation should be carried out so as to reduce the pest damage.</i> |
| Okra | Flowering stage | - | <i>Collect and destroy all the infested shoots and fruits.</i> |
| Brinjal | Transplanting stage | | <i>Thoroughly prepare the field with application of well dried FYM. Maize should be planted on the border to control movement of white flies</i> |
| Ginger / turmeric | Vegetative stage | Rhizome rot | <i>The plot should be well drained free from water logging and while planting healthy rhizomes should be used for cultivation so as to prevent rhizome rot.</i> |
| Livestock | | | |
| <ul style="list-style-type: none"> Water stagnation should be avoided in livestock shed to avoid mosquito breeding | | | |
| Poultry | <ul style="list-style-type: none"> Double the watering space in poultry houses during summer. Provide plenty of fresh , clean and cool drinking water during hot weather In order to encourage feed intake during summer, reduce the energy content of the feed by 10% Birds must be vaccinated against infectious diseases Remove caked up and wet litter immediately from the poultry house to stop excess heat production | | |
| Piggery | <ul style="list-style-type: none"> Ensure that pigs have access to an abundant fresh, cool drinking water to avoid heat stress Offer feed that is higher in protein and vitamins to help compensate for their reduction in food intake as pigs tend to eat less feed during summer | | |
| Fisheries | | | |
| | <ul style="list-style-type: none"> Lime pond as per recommended dose @10kg/bigha Stock fish fingerling @8000/ha Strengthen embankment to avoid erosion due to heavy rainfall If possible, stock bigger size fish seed to ensure faster growth | | |



SCIENTIFIC EXPERT COMMITTEE

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Integrated Agromet Advisory Service Bulletin from 19th to 23rd May '18 Mon District

Bulletin No:40/2018

Weather summary of the preceding week

- Light rain occurred the past week
- Maximum and minimum temperatures ranged 26°C to 28°C and 14°C to 15°C, respectively.
- Relative humidity varied from 33% to 90%
- Wind speed ranged from 3 to 5 kmph

Weather forecast valid upto 23rd May 2018

- Probability of moderate rain the coming week.
- **Max temp** is likely to be 24°C - 25°C and the **min temp** 14°C to 15°C
- **Sky is likely to be mainly cloudy** the coming week
- **Relative Humidity** is likely to range from 66% to 90%.
- **Wind speed** may reach upto 3- 4 kmph
- **Wind direction** will be mostly southeasterly

- Water run-off from roads in farm lands can be harvested by directing it into gardens through trenches dug from road sides into gardens. For water from roof-tops, underground tanks can be dug that can be lined with plastic or trapped into various containers such as tanks ready for irrigation use
- Timely weeding and earthing up should be carried out
- Use quality and certified seeds for all crops. Success in raising healthy seedlings depends to a larger extent on the quality of seeds. Before sowing, seed should be treated with biological control agent formulations which protects the seed against soil-born fungi and also give a boost to the seedlings

Field crops

| Main Crops | Stage | Pest/ Diseases | Agro-meteorological Advisories |
|-------------------------|------------------|----------------|--|
| <i>Jhum Paddy</i> | Vegetative stage | - | • <i>Timely weeding should be done.</i> |
| <i>Paddy</i> | Storage | | <ul style="list-style-type: none"> • <i>Place sticky traps in the drying and storage areas for rats.</i> • <i>Storage rooms should be physically rodent and bird proof, if possible.</i> • <i>Inspect the stored seeds once a week for signs of insect infestation.</i> |
| <i>Green gram</i> | Flowering stage | - | <i>Clean cultivation should be maintained. Proper earthing up should be done</i> |
| <i>Maize</i> | Vegetative stage | | <i>Timely weeding and earthing up should be done for the plant to grow well</i> |
| <i>Water harvesting</i> | | | <i>Summer rain is erratic. Dig more number of jalkund or pond to store water right now. Harvested rainwater can give you off season vegetable and a good price</i> |

Horticultural crop

- Standing rain water in the field may be drained off immediately after rain
- Planting of vegetable seedlings may be done in raised bed to avoid the soil borne diseases / damping
- Soil application of biocontrol agents (Trichoderma) at 2.5kg/ha with farm manure before transplanting
- Transplanting of King chili should be done

| | | | |
|---------------------------------|-------------------------------|--|--|
| <i>Khasi Mandarin</i> | | Leaf miner, aphids, mites, trunk borer | <i>Spray neem oil @5ml/litre water against leaf miner, aphids, mites. Shake the trees to collect adult trunk borer</i> |
| <i>Cucurbits</i> | Vegetative to flowering stage | Red beetle | <i>Till June is the peak period of activity. Cultural practices like clean cultivation should be carried out so as to reduce the pest damage. Neem oil can be sprayed 5ml/lit of water in case of leaf eating caterpillar. For fruit fly, poison bait can be prepared with 250gm of jaggery with Fenthion 20ml + 1 liter water can be kept in plastic bowls in bottle gourd/cucumber/ cucurbit fields to check the fruit fly</i> |
| <i>Okra</i> | Fruiting stage | Fruit and shoot borer | <i>Collect and destroy all the infested fruits.</i> |
| <i>Brinjal</i> | Transplanting stage | | <i>Thoroughly prepare the field with application of well dried FYM. Maize should be planted on the border to control movement of white flies</i> |
| <i>Ginger / turmeric</i> | Vegetative stage | Rhizome rot | <i>The plot should be well drained free from water logging and while planting healthy rhizomes should be used for cultivation so as to prevent rhizome rot.</i> |

Livestock

- Water stagnation should be avoided in livestock shed to avoid mosquito breeding

| | |
|-----------------------|--|
| <i>Poultry</i> | <ul style="list-style-type: none"> • Double the watering space in poultry houses during summer. Provide plenty of fresh , clean and cool drinking water during hot weather • In order to encourage feed intake during summer, reduce the energy content of the feed by 10% • Birds must be vaccinated against infectious diseases • Remove caked up and wet litter immediately from the poultry house to stop excess heat production |
| <i>Piggery</i> | <ul style="list-style-type: none"> • Ensure that pigs have access to an abundant fresh, cool drinking water to avoid heat stress • Offer feed that is higher in protein and vitamins to help compensate for their reduction in food intake as pigs tend to eat less feed during summer |

Fisheries



- Lime pond as per recommended dose @10kg/bigha
- Stock fish fingerling @8000/ha
- Strengthen embankment to avoid erosion due to heavy rainfall
- If possible, stock bigger size fish seed to ensure faster growth

SCIENTIFIC EXPERT COMMITTEE

| 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 |
| 6 | Dr. Azeze Seyie | Scientist | Spices, Plantation & Medicinal & 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 19th to 23rd May '18 Peren District

Bulletin No:40/2018

| <i>Weather summary of the preceding week</i> | | | <i>Weather forecast valid upto 23rd May 2018</i> |
|--|------------------|-------------------|--|
| <ul style="list-style-type: none"> Light rain occurred the past week Maximum and minimum temperatures ranged 27^oC to 29^oC and 13^oC to 15^oC, respectively. Relative humidity varied from 30% to 90%. Wind speed ranged from 3 to 4 kmph | | | <ul style="list-style-type: none"> Probability of moderate rain the coming week. Max temp is likely to be 24^oC - 25^oC and the min temp 14^oC to 15^oC Sky is likely to be mainly cloudy the coming week Relative Humidity is likely to range from 60% to 99%. Wind speed may reach upto 2-3 kmph Wind direction will be mostly southeasterly |
| <ul style="list-style-type: none"> Water run-off from roads in farm lands can be harvested by directing it into gardens through trenches dug from road sides into gardens. For water from roof-tops, underground tanks can be dug that can be lined with plastic or trapped into various containers such as tanks ready for irrigation use Timely weeding and earthing up should be carried out Use quality and certified seeds for all crops. Success in raising healthy seedlings depends to a larger extent on the quality of seeds. Before sowing, seed should be treated with biological control agent formulations which protects the seed against soil-born fungi and also give a boost to the seedlings | | | |
| <i>Field crops</i> | | | |
| Main Crops | Stage | Pest/ Diseases | Agro-meteorological Advisories |
| <i>Jhum Paddy</i> | Vegetative stage | - | <ul style="list-style-type: none"> Timely weeding should be done. |
| <i>Paddy</i> | Storage | | <ul style="list-style-type: none"> Place sticky traps in the drying and storage areas for rats. Storage rooms should be physically rodent and bird proof, if possible. Inspect the stored seeds once a week for signs of insect infestation. |
| <i>Green gram</i> | Flowering stage | - | Clean cultivation should be maintained. Proper earthing up should be done |
| <i>Maize</i> | Vegetative stage | | Timely weeding and earthing up should be done for the plant to grow well |
| <i>Water harvesting</i> | | | Summer rain is erratic. Dig more number of jalkund or pond to store water right now. Harvested rainwater can give you off season vegetable and a good price |
| <i>Horticultural crop</i> | | | |

- Standing rain water in the field may be drained off immediately after rain
- Planting of vegetable seedlings may be done in raised bed to avoid the soil borne diseases / damping
- Soil application of biocontrol agents (Trichoderma) at 2.5kg/ha with farm manure before transplanting
- Transplanting of King chili should be done

| | | | |
|--------------------------|---------------------|--|---|
| Khasi Mandarin | | Leaf miner, aphids, mites, trunk borer | <i>Spray neem oil @5ml/litre water against leaf miner, aphids, mites. Shake the trees to collect adult trunk borer</i> |
| Cucurbits | Vegetative stage | Red beetle | <i>Till June is the peak period of activity. Cultural practices like clean cultivation should be carried out so as to reduce the pest damage.</i> |
| Okra | Flowering stage | - | <i>Collect and destroy all the infested shoots and fruits.</i> |
| Brinjal | Transplanting stage | | <i>Thoroughly prepare the field with application of well dried FYM. Maize should be planted on the border to control movement of white flies</i> |
| Ginger / turmeric | Vegetative stage | Rhizome rot | <i>The plot should be well drained free from water logging and while planting healthy rhizomes should be used for cultivation so as to prevent rhizome rot.</i> |

Livestock

- Water stagnation should be avoided in livestock shed to avoid mosquito breeding

| | |
|----------------|--|
| Poultry | <ul style="list-style-type: none"> • Double the watering space in poultry houses during summer. Provide plenty of fresh , clean and cool drinking water during hot weather • In order to encourage feed intake during summer, reduce the energy content of the feed by 10% • Birds must be vaccinated against infectious diseases • Remove caked up and wet litter immediately from the poultry house to stop excess heat production |
| Piggery | <ul style="list-style-type: none"> • Ensure that pigs have access to an abundant fresh, cool drinking water to avoid heat stress • Offer feed that is higher in protein and vitamins to help compensate for their reduction in food intake as pigs tend to eat less feed during summer |

Fisheries

| | |
|--|---|
| | <ul style="list-style-type: none"> • Lime pond as per recommended dose @10kg/bigha • Stock fish fingerling @8000/ha • Strengthen embankment to avoid erosion due to heavy rainfall • If possible, stock bigger size fish seed to ensure faster growth |
|--|---|



SCIENTIFIC EXPERT COMMITTEE

| 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 |
| 6 | Dr. Azeze Seyie | Scientist | Spices, Plantation & Medicinal & 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 19th to 23rd May'18 Phek District

Bulletin No:40/2018

Weather summary of the preceding week

- Light rain occurred the past week
- Maximum and minimum temperatures ranged 26⁰C to 28⁰C and 13⁰C to 15⁰C, respectively.
- Relative humidity varied from 28% to 90%.
- Wind speed ranged from 3 to 4 kmph

Weather forecast valid upto 23rd May 2018


- Probability of moderate rain the coming week.
- **Max temp** is likely to be 23⁰C - 24⁰C and the **min temp** 14⁰C to 15⁰C
- **Sky is likely to be mainly cloudy** the coming week
- **Relative Humidity** is likely to range from 51% to 100%.
- **Wind speed** may reach upto 1-2 kmph
Wind direction will be mostly southeasterly

- Water run-off from roads in farm lands can be harvested by directing it into gardens through trenches dug from road sides into gardens. For water from roof-tops, underground tanks can be dug that can be lined with plastic or trapped into various containers such as tanks ready for irrigation use
- Timely weeding and earthing up should be carried out
- Use quality and certified seeds for all crops. Success in raising healthy seedlings depends to a larger extent on the quality of seeds. Before sowing, seed should be treated with biological control agent formulations which protects the seed against soil-born fungi and also give a boost to the seedlings

Field crops

| Main Crops | Stage | Pest/ Diseases | Agro-meteorological Advisories |
|-------------------------|------------------|----------------|--|
| <i>Jhum Paddy</i> | Vegetative stage | - | • <i>Timely weeding should be done.</i> |
| <i>Paddy</i> | Storage | | <ul style="list-style-type: none"> • <i>Place sticky traps in the drying and storage areas for rats.</i> • <i>Storage rooms should be physically rodent and bird proof, if possible.</i> • <i>Inspect the stored seeds once a week for signs of insect infestation.</i> |
| <i>Green gram</i> | Flowering stage | - | <i>Clean cultivation should be maintained. Proper earthing up should be done</i> |
| <i>Maize</i> | Vegetative stage | | <i>Timely weeding and earthing up should be done for the plant to grow well</i> |
| <i>Water harvesting</i> | | | <i>Summer rain is erratic. Dig more number of jalkund or pond to store water right now. Harvested rainwater can give you off season vegetable and a good price</i> |

Horticultural crop

| | | | |
|---|--|--|---|
| <ul style="list-style-type: none"> • Standing rain water in the field may be drained off immediately after rain • Planting of vegetable seedlings may be done in raised bed to avoid the soil borne diseases / damping • Soil application of biocontrol agents (Trichoderma) at 2.5kg/ha with farm manure before transplanting • Transplanting of King chili should be done | | | |
| Khasi Mandarin | | Leaf miner, aphids, mites, trunk borer | <i>Spray neem oil @5ml/litre water against leaf miner, aphids, mites. Shake the trees to collect adult trunk borer</i> |
| Cucurbits | Vegetative stage | Red beetle | <i>Till June is the peak period of activity. Cultural practices like clean cultivation should be carried out so as to reduce the pest damage.</i> |
| Okra | Flowering stage | - | <i>Collect and destroy all the infested shoots and fruits.</i> |
| Brinjal | Transplanting stage | | <i>Thoroughly prepare the field with application of well dried FYM. Maize should be planted on the border to control movement of white flies</i> |
| Ginger / turmeric | Vegetative stage | Rhizome rot | <i>The plot should be well drained free from water logging and while planting healthy rhizomes should be used for cultivation so as to prevent rhizome rot.</i> |
| Livestock | | | |
| <ul style="list-style-type: none"> • Water stagnation should be avoided in livestock shed to avoid mosquito breeding | | | |
| Poultry | <ul style="list-style-type: none"> • Double the watering space in poultry houses during summer. Provide plenty of fresh , clean and cool drinking water during hot weather • In order to encourage feed intake during summer, reduce the energy content of the feed by 10% • Birds must be vaccinated against infectious diseases • Remove caked up and wet litter immediately from the poultry house to stop excess heat production | | |
| Piggery | <ul style="list-style-type: none"> • Ensure that pigs have access to an abundant fresh, cool drinking water to avoid heat stress • Offer feed that is higher in protein and vitamins to help compensate for their reduction in food intake as pigs tend to eat less feed during summer | | |
| Fisheries | | | |
|  | <ul style="list-style-type: none"> • Lime pond as per recommended dose @10kg/bigha • Stock fish fingerling @8000/ha • Strengthen embankment to avoid erosion due to heavy rainfall • If possible, stock bigger size fish seed to ensure faster growth | | |
| | | | |

SCIENTIFIC EXPERT COMMITTEE


| 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 |
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| 6 | Dr. Azeze Seyie | Scientist | Spices, Plantation & Medicinal & 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 19th to 23rd May'18 Tuensang District

Bulletin No:40/2018

| <i>Weather summary of the preceding week</i> | | | <i>Weather forecast valid upto 23rd May 2018</i> |
|--|------------------|----------------|--|
| <ul style="list-style-type: none"> Light rain occurred the past week Maximum and minimum temperatures ranged 24⁰C to 25⁰C and 11⁰C to 12⁰C, respectively. Relative humidity varied from 29% to 90%. Wind speed ranged from 3 to 4 kmph | | | <ul style="list-style-type: none"> Probability of moderate rain the coming week. Max temp is likely to be 20⁰C - 21⁰C and the min temp 11⁰C to 12⁰C Sky is likely to be mainly cloudy the coming week Relative Humidity is likely to range from 59% to 100%. Wind speed may reach upto 1-2 kmph Wind direction will be mostly south westerly |
| <ul style="list-style-type: none"> Water run-off from roads in farm lands can be harvested by directing it into gardens through trenches dug from road sides into gardens. For water from roof-tops, underground tanks can be dug that can be lined with plastic or trapped into various containers such as tanks ready for irrigation use Timely weeding and earthing up should be carried out Use quality and certified seeds for all crops. Success in raising healthy seedlings depends to a larger extent on the quality of seeds. Before sowing, seed should be treated with biological control agent formulations which protects the seed against soil-born fungi and also give a boost to the seedlings | | | |
| <i>Field crops</i> | | | |
| Main Crops | Stage | Pest/ Diseases | Agro-meteorological Advisories |
| <i>Jhum Paddy</i> | Vegetative stage | - | <ul style="list-style-type: none"> Timely weeding should be done. |
| <i>Paddy</i> | Storage | | <ul style="list-style-type: none"> Place sticky traps in the drying and storage areas for rats. Storage rooms should be physically rodent and bird proof, if possible. Inspect the stored seeds once a week for signs of insect infestation. |
| <i>Green gram</i> | Flowering stage | - | Clean cultivation should be maintained. Proper earthing up should be done |
| <i>Maize</i> | Vegetative stage | | Timely weeding and earthing up should be done for the plant to grow well |
| <i>Water harvesting</i> | | | Summer rain is erratic. Dig more number of jalkund or pond to store water right now. Harvested rainwater can give you off season vegetable and a good price |
| <i>Horticultural crop</i> | | | |
| <ul style="list-style-type: none"> Standing rain water in the field may be drained off immediately after rain Planting of vegetable seedlings may be done in raised bed to avoid the soil borne diseases / damping Soil application of biocontrol agents (Trichoderma) at 2.5kg/ha with farm manure before transplanting | | | |

| | | | | |
|---|---|--|--|---|
| | <ul style="list-style-type: none"> Transplanting of King chili should be done | | | |
| | Khasi Mandarin | | Leaf miner, aphids, mites, trunk borer | <i>Spray neem oil @5ml/litre water against leaf miner, aphids, mites. Shake the trees to collect adult trunk borer</i> |
| | Cucurbits | Vegetative stage | Red beetle | <i>Till June is the peak period of activity. Cultural practices like clean cultivation should be carried out so as to reduce the pest damage.</i> |
| | Okra | Flowering stage | - | <i>Collect and destroy all the infested shoots and fruits.</i> |
| | Brinjal | Transplanting stage | | <i>Thoroughly prepare the field with application of well dried FYM. Maize should be planted on the border to control movement of white flies</i> |
| | Ginger / turmeric | Vegetative stage | Rhizome rot | <i>The plot should be well drained free from water logging and while planting healthy rhizomes should be used for cultivation so as to prevent rhizome rot.</i> |
| | <p style="text-align: center;">Livestock</p> <ul style="list-style-type: none"> Water stagnation should be avoided in livestock shed to avoid mosquito breeding | | | |
| | Poultry | <ul style="list-style-type: none"> Double the watering space in poultry houses during summer. Provide plenty of fresh , clean and cool drinking water during hot weather In order to encourage feed intake during summer, reduce the energy content of the feed by 10% Birds must be vaccinated against infectious diseases Remove caked up and wet litter immediately from the poultry house to stop excess heat production | | |
| | Piggery | <ul style="list-style-type: none"> Ensure that pigs have access to an abundant fresh, cool drinking water to avoid heat stress Offer feed that is higher in protein and vitamins to help compensate for their reduction in food intake as pigs tend to eat less feed during summer | | |
| | <p style="text-align: center;">Fisheries</p> | | | |
|  | | <ul style="list-style-type: none"> Lime pond as per recommended dose @ 10kg/bigha Stock fish fingerling @8000/ha Strengthen embankment to avoid erosion due to heavy rainfall If possible, stock bigger size fish seed to ensure faster growth | | |

SCIENTIFIC EXPERT COMMITTEE

| 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 |
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| 6 | Dr. Azeze Seyie | Scientist | Spices, Plantation & Medicinal & 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 19th to 23rd May '18 Wokha District

Bulletin No:40/2018

Weather summary of the preceding week

- Light rain occurred the past week
- Maximum and minimum temperatures ranged 28⁰C to 29⁰C and 15⁰C to 16⁰C, respectively.
- Relative humidity varied from 60% to 90%.
- Wind speed ranged from 4 to 5 kmph

Weather forecast valid upto 23rd May 2018

- Probability of moderate rain the coming week.
- **Max temp** is likely to be 24⁰C - 25⁰C and the **min temp** 14⁰C to 15⁰C
- **Sky is likely to be mainly cloudy** the coming week
- **Relative Humidity** is likely to range from 77% to 95%.
- **Wind speed** may reach upto 4- 5 kmph
- **Wind direction** will be southeasterly

- Water run-off from roads in farm lands can be harvested by directing it into gardens through trenches dug from road sides into gardens. For water from roof-tops, underground tanks can be dug that can be lined with plastic or trapped into various containers such as tanks ready for irrigation use
- Timely weeding and earthing up should be carried out
- Use quality and certified seeds for all crops. Success in raising healthy seedlings depends to a larger extent on the quality of seeds. Before sowing, seed should be treated with biological control agent formulations which protects the seed against soil-born fungi and also give a boost to the seedlings

Field crops

| Main Crops | Stage | Pest/ Diseases | Agro-meteorological Advisories |
|-------------------------|------------------|----------------|--|
| <i>Jhum Paddy</i> | Vegetative stage | - | • <i>Timely weeding should be done.</i> |
| <i>Paddy</i> | Storage | | <ul style="list-style-type: none"> • <i>Place sticky traps in the drying and storage areas for rats.</i> • <i>Storage rooms should be physically rodent and bird proof, if possible.</i> • <i>Inspect the stored seeds once a week for signs of insect infestation.</i> |
| <i>Green gram</i> | Flowering stage | - | <i>Clean cultivation should be maintained. Proper earthing up should be done</i> |
| <i>Maize</i> | Vegetative stage | | <i>Timely weeding and earthing up should be done for the plant to grow well</i> |
| <i>Water harvesting</i> | | | <i>Summer rain is erratic. Dig more number of jalkund or pond to store water right now. Harvested rainwater can give you off season vegetable and a good price</i> |

Horticultural crop

- Standing rain water in the field may be drained off immediately after rain
- Planting of vegetable seedlings may be done in raised bed to avoid the soil borne diseases / damping
- Soil application of biocontrol agents (Trichoderma) at 2.5kg/ha with farm manure before transplanting
- Transplanting of King chili should be done

| | | | |
|--------------------------|---------------------|--|---|
| Khasi Mandarin | | Leaf miner, aphids, mites, trunk borer | <i>Spray neem oil @5ml/litre water against leaf miner, aphids, mites. Shake the trees to collect adult trunk borer</i> |
| Cucurbits | Vegetative stage | Red beetle | <i>Till June is the peak period of activity. Cultural practices like clean cultivation should be carried out so as to reduce the pest damage.</i> |
| Okra | Flowering stage | - | <i>Collect and destroy all the infested shoots and fruits.</i> |
| Brinjal | Transplanting stage | | <i>Thoroughly prepare the field with application of well dried FYM. Maize should be planted on the border to control movement of white flies</i> |
| Ginger / turmeric | Vegetative stage | Rhizome rot | <i>The plot should be well drained free from water logging and while planting healthy rhizomes should be used for cultivation so as to prevent rhizome rot.</i> |

Livestock

- Water stagnation should be avoided in livestock shed to avoid mosquito breeding

| | |
|----------------|--|
| Poultry | <ul style="list-style-type: none"> • Double the watering space in poultry houses during summer. Provide plenty of fresh , clean and cool drinking water during hot weather • In order to encourage feed intake during summer, reduce the energy content of the feed by 10% • Birds must be vaccinated against infectious diseases • Remove caked up and wet litter immediately from the poultry house to stop excess heat production |
|----------------|--|

| | |
|----------------|--|
| Piggery | <ul style="list-style-type: none"> • Ensure that pigs have access to an abundant fresh, cool drinking water to avoid heat stress • Offer feed that is higher in protein and vitamins to help compensate for their reduction in food intake as pigs tend to eat less feed during summer |
|----------------|--|

Fisheries

| | |
|--|--|
| | <ul style="list-style-type: none"> • Lime pond as per recommended dose @ 10kg/bigha • Stock fish fingerling @8000/ha • Strengthen embankment to avoid erosion due to heavy rainfall • If possible, stock bigger size fish seed to ensure faster growth |
|--|--|



SCIENTIFIC EXPERT COMMITTEE

| Sl.no | Name | Designation | Department | |
|-------|------------------|---------------------|--|--------------------------|
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| 8 | Aabon W Yanthan | Scientist | Vegetable Science | aabon.iari@gmail.com |



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Integrated Agromet Advisory Service Bulletin from 19th to 23rd May'18 Zunheboto District

Bulletin No:40/2018

Weather summary of the preceding week

- Moderate rain occurred the past week
- Maximum and minimum temperatures ranged 27⁰C to 29⁰C and 12⁰C to 16⁰C, respectively.
- Relative humidity varied from 31% to 90%.
- Wind speed ranged from 4 to 5 kmph

Weather forecast valid upto 23rd May 2018


- Probability of moderate rain the coming week.
- **Max temp** is likely to be 24⁰C - 25⁰C and the **min temp** 14⁰C to 15⁰C
- **Sky is likely to be mainly cloudy** the coming week
- **Relative Humidity** is likely to range from 77% to 98%.
- **Wind speed** may reach upto 2-5 kmph
- **Wind direction** will be southeasterly

- Water run-off from roads in farm lands can be harvested by directing it into gardens through trenches dug from road sides into gardens. For water from roof-tops, underground tanks can be dug that can be lined with plastic or trapped into various containers such as tanks ready for irrigation use
- Timely weeding and earthing up should be carried out
- Use quality and certified seeds for all crops. Success in raising healthy seedlings depends to a larger extent on the quality of seeds. Before sowing, seed should be treated with biological control agent formulations which protects the seed against soil-born fungi and also give a boost to the seedlings

Field crops

| Main Crops | Stage | Pest/ Diseases | Agro-meteorological Advisories |
|-------------------------|------------------|----------------|--|
| <i>Jhum Paddy</i> | Vegetative stage | - | • <i>Timely weeding should be done.</i> |
| <i>Paddy</i> | Storage | | <ul style="list-style-type: none"> • <i>Place sticky traps in the drying and storage areas for rats.</i> • <i>Storage rooms should be physically rodent and bird proof, if possible.</i> • <i>Inspect the stored seeds once a week for signs of insect infestation.</i> |
| <i>Green gram</i> | Flowering stage | - | <i>Clean cultivation should be maintained. Proper earthing up should be done</i> |
| <i>Maize</i> | Vegetative stage | | <i>Timely weeding and earthing up should be done for the plant to grow well</i> |
| <i>Water harvesting</i> | | | <i>Summer rain is erratic. Dig more number of jalkund or pond to store water right now. Harvested rainwater can give you off season vegetable and a good price</i> |

Horticultural crop

| | | | |
|---|--|--|---|
| | <ul style="list-style-type: none"> • Standing rain water in the field may be drained off immediately after rain • Planting of vegetable seedlings may be done in raised bed to avoid the soil borne diseases / damping • Soil application of biocontrol agents (Trichoderma) at 2.5kg/ha with farm manure before transplanting • Transplanting of King chili should be done | | |
| Khasi Mandarin | | Leaf miner, aphids, mites, trunk borer | <i>Spray neem oil @5ml/litre water against leaf miner, aphids, mites. Shake the trees to collect adult trunk borer</i> |
| Cucurbits | Vegetative stage | Red beetle | <i>Till June is the peak period of activity. Cultural practices like clean cultivation should be carried out so as to reduce the pest damage.</i> |
| Okra | Flowering stage | - | <i>Collect and destroy all the infested shoots and fruits.</i> |
| Brinjal | Transplanting stage | - | <i>Thoroughly prepare the field with application of well dried FYM. Maize should be planted on the border to control movement of white flies</i> |
| Ginger / turmeric | Vegetative stage | Rhizome rot | <i>The plot should be well drained free from water logging and while planting healthy rhizomes should be used for cultivation so as to prevent rhizome rot.</i> |
| <p style="text-align: center;">Livestock</p> <ul style="list-style-type: none"> • Water stagnation should be avoided in livestock shed to avoid mosquito breeding | | | |
| Poultry | <ul style="list-style-type: none"> • Double the watering space in poultry houses during summer. Provide plenty of fresh , clean and cool drinking water during hot weather • In order to encourage feed intake during summer, reduce the energy content of the feed by 10% • Birds must be vaccinated against infectious diseases • Remove caked up and wet litter immediately from the poultry house to stop excess heat production | | |
| Piggery | <ul style="list-style-type: none"> • Ensure that pigs have access to an abundant fresh, cool drinking water to avoid heat stress • Offer feed that is higher in protein and vitamins to help compensate for their reduction in food intake as pigs tend to eat less feed during summer | | |
| <p style="text-align: center;">Fisheries</p> | | | |
|  | <ul style="list-style-type: none"> • Lime pond as per recommended dose @10kg/bigha • Stock fish fingerling @8000/ha • Strengthen embankment to avoid erosion due to heavy rainfall • If possible, stock bigger size fish seed to ensure faster growth | | |

SCIENTIFIC EXPERT COMMITTEE

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