



# Integrated Agromet Advisory Service Bulletin from 12<sup>th</sup> to 16<sup>th</sup> May '18

## Dimapur District

**Bulletin No:38/2018**

### *Weather summary of the preceding week*

- Moderate rain occurred the past week
- Maximum and minimum temperatures ranged 28<sup>0</sup>C to 30<sup>0</sup>C and 20<sup>0</sup>C to 21<sup>0</sup>C, respectively.
- Relative humidity varied from 42% to 90%.
- Wind speed ranged from 1 to 2 kmph

### *Weather forecast valid upto 16<sup>th</sup> May 2018*

- Probability of light rain the coming week.
- **Max temp** is likely to be 31<sup>0</sup>C - 32<sup>0</sup>C and the **min temp** 19<sup>0</sup>C to 20<sup>0</sup>C
- **Sky is likely to be partly cloudy** the coming week
- **Relative Humidity** is likely to range from 26% to 84%.
- **Wind speed** may reach upto 3- 5 kmph
- **Wind direction** will be mostly easterly

- 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
- Timely weeding and earthing up should be carried out

### *Field crops*

Main Crops	Stage	Pest/ Diseases	Agro-meteorological Advisories
<i>Paddy</i>	Storage		<ul style="list-style-type: none"> <li>• Place sticky traps in the drying and storage areas for rats.</li> <li>• Storage rooms should be physically rodent and bird proof, if possible.</li> <li>• Inspect the stored seeds once a week for signs of insect infestation.</li> </ul>
<i>Green gram</i>	Vegetative stage	-	Clean cultivation should be maintained
<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

### *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	Spray neem oil @5ml/litre water against leaf miner, aphids, mites. Shake the trees to collect adult trunk borer
<i>Cucurbits</i>	Vegetative stage	Red beetle	Till June is the peak period of activity. Cultural practices like clean cultivation should be carried out so as to reduce the

			<i>pest damage.</i>
<b>Okra</b>	Flowering stage	-	<i>Collect and destroy all the infested shoots and fruits.</i>
<b>Brinjal</b>	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>
<b>Ginger / turmeric</b>	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>
<b><i>Livestock</i></b>			
<ul style="list-style-type: none"> <li>• Water stagnation should be avoided in livestock shed to avoid mosquito breeding</li> </ul>			
<b><i>Poultry</i></b>	<ul style="list-style-type: none"> <li>• Double the watering space in poultry houses during summer. Provide plenty of fresh , clean and cool drinking water during hot weather</li> <li>• In order to encourage feed intake during summer, reduce the energy content of the feed by 10%</li> <li>• Birds must be vaccinated against infectious diseases</li> <li>• Remove caked up and wet litter immediately from the poultry house to stop excess heat production</li> </ul>		
<b><i>Piggery</i></b>	<ul style="list-style-type: none"> <li>• Ensure that pigs have access to an abundant fresh, cool drinking water to avoid heat stress</li> <li>• 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</li> </ul>		
<b><i>Fisheries</i></b>			
	<ul style="list-style-type: none"> <li>• Lime pond as per recommended dose @10kg/bigha</li> <li>• Stock fish fingerling @8000/ha</li> <li>• Strengthen embankment to avoid erosion due to heavy rainfall</li> <li>• If possible, stock bigger size fish seed to ensure faster growth</li> </ul>		

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



# Integrated Agromet Advisory Service Bulletin from 12<sup>th</sup> to 16<sup>th</sup> May '18

## Kiphire District

**Bulletin No:38/2018**

### *Weather summary of the preceding week*

- Moderate rain occurred the past week
- Maximum and minimum temperatures ranged 23<sup>0</sup>C to 24<sup>0</sup>C and 14<sup>0</sup>C to 15<sup>0</sup>C, respectively.
- Relative humidity varied from 23% to 85%.
- Wind speed ranged from 3 to 4 kmph

### *Weather forecast valid upto 16<sup>th</sup> May 2018*

- Probability of light rain the coming week.
- **Max temp** is likely to be 26<sup>0</sup>C - 27<sup>0</sup>C and the **min temp** 13<sup>0</sup>C to 14<sup>0</sup>C
- **Sky is likely to be mainly cloudy** the coming week
- **Relative Humidity** is likely to range from 26% to 86%.
- **Wind speed** may reach upto 3-4 kmph
- **Wind direction** will be mostly easterly

- 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-borne fungi and also give a boost to the seedlings. Timely weeding and earthing up should be carried out as there is probability of light rain the coming week too

### *Field crops*

Main Crops	Stage	Pest/ Diseases	Agro-meteorological Advisories
<i>Paddy</i>	Storage		<ul style="list-style-type: none"> <li>• Place sticky traps in the drying and storage areas for rats.</li> <li>• Storage rooms should be physically rodent and bird proof, if possible.</li> <li>• Inspect the stored seeds once a week for signs of insect infestation.</li> </ul>
<i>Green gram</i>	Vegetative stage	-	Clean cultivation should be maintained
<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

### *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	Spray neem oil @5ml/litre water against leaf miner, aphids, mites. Shake the trees to collect adult trunk borer
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<i>Cucurbits</i>	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>
<i>Okra</i>	Flowering stage	-	<i>Collect and destroy all the infested shoots and 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"> <li>• Double the watering space in poultry houses during summer. Provide plenty of fresh , clean and cool drinking water during hot weather</li> <li>• In order to encourage feed intake during summer, reduce the energy content of the feed by 10%</li> <li>• Birds must be vaccinated against infectious diseases</li> <li>• Remove caked up and wet litter immediately from the poultry house to stop excess heat production</li> </ul>
<i>Piggery</i>	<ul style="list-style-type: none"> <li>• Ensure that pigs have access to an abundant fresh, cool drinking water to avoid heat stress</li> <li>• 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</li> </ul>

### ***Fisheries***

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

Sl.no	Name	Designation	Department	
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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 12<sup>th</sup> to 16<sup>th</sup> May '18 Kohima District

**Bulletin No:38/2018**

### *Weather summary of the preceding week*

- Moderate rain occurred the past week
- Maximum and minimum temperatures ranged 19<sup>o</sup>C to 22<sup>o</sup>C and 14<sup>o</sup>C to 15<sup>o</sup>C, respectively.
- Relative humidity varied from 34% to 92%.
- Wind speed ranged from 3 to 4 kmph

### *Weather forecast valid upto 16<sup>th</sup> May 2018*

- Probability of moderate rain the coming week.
- **Max temp** is likely to be 23<sup>o</sup>C - 24<sup>o</sup>C and the **min temp** 12<sup>o</sup>C to 13<sup>o</sup>C
- **Sky is likely to be mainly cloudy** the coming week
- **Relative Humidity** is likely to range from 41% to 87%.
- **Wind speed** may reach upto 2-3 kmph  
**Wind direction** will be mostly southeasterly

- 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. Timely weeding and earthing up should be carried out as there is probability of light rain the coming week too

### *Field crops*

Main Crops	Stage	Pest/ Diseases	Agro-meteorological Advisories
<i>Paddy</i>	Storage		<ul style="list-style-type: none"> <li>• Place sticky traps in the drying and storage areas for rats.</li> <li>• Storage rooms should be physically rodent and bird proof, if possible.</li> <li>• Inspect the stored seeds once a week for signs of insect infestation.</li> </ul>
<i>Green gram</i>	Vegetative stage	-	Clean cultivation should be maintained
<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

### *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	Spray neem oil @5ml/litre water against leaf miner, aphids, mites. Shake the trees to collect adult trunk borer
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			borer	
<b>Cucurbits</b>	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>
<b>Okra</b>	Flowering stage	-		<i>Collect and destroy all the infested shoots and fruits.</i>
<b>Brinjal</b>	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>
<b>Ginger / turmeric</b>	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>
<b>Khasi Mandarin</b>		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>
<b>Livestock</b>				
<ul style="list-style-type: none"> <li>• Water stagnation should be avoided in livestock shed to avoid mosquito breeding</li> </ul>				
<b>Poultry</b>	<ul style="list-style-type: none"> <li>• Double the watering space in poultry houses during summer. Provide plenty of fresh , clean and cool drinking water during hot weather</li> <li>• In order to encourage feed intake during summer, reduce the energy content of the feed by 10%</li> <li>• Birds must be vaccinated against infectious diseases</li> <li>• Remove caked up and wet litter immediately from the poultry house to stop excess heat production</li> </ul>			
<b>Piggery</b>	<ul style="list-style-type: none"> <li>• Ensure that pigs have access to an abundant fresh, cool drinking water to avoid heat stress</li> <li>• 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</li> </ul>			
<b>Fisheries</b>				
	<ul style="list-style-type: none"> <li>• Lime pond as per recommended dose @10kg/bigha</li> <li>• Stock fish fingerling @8000/ha</li> <li>• Strengthen embankment to avoid erosion due to heavy rainfall</li> <li>• If possible, stock bigger size fish seed to ensure faster growth</li> </ul>			

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# Integrated Agromet Advisory Service Bulletin from 12<sup>th</sup> to 16<sup>th</sup> May '18

## Longleng District

**Bulletin No:38/2018**

### *Weather summary of the preceding week*

- Moderate rain occurred the past week
- Maximum and minimum temperatures ranged 23<sup>0</sup>C to 24<sup>0</sup>C and 14<sup>0</sup>C to 18<sup>0</sup>C, respectively.
- Relative humidity varied from 23% to 90%.
- Wind speed ranged from 3 to 4 kmph

### *Weather forecast valid upto 16<sup>th</sup> May 2018*

- Probability of light rain the coming week.
- **Max temp** is likely to be 26<sup>0</sup>C - 27<sup>0</sup>C and the **min temp** 13<sup>0</sup>C to 14<sup>0</sup>C
- **Sky is likely to be mainly cloudy** the coming week
- **Relative Humidity** is likely to range from 33% to 87%.
- **Wind speed** may reach upto 3- 4 kmph
- **Wind direction** will be mostly southeasterly

- 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
- Timely weeding and earthing up should be carried out as there is probability of light rain the coming week too

### *Field crops*

Main Crops	Stage	Pest/ Diseases	Agro-meteorological Advisories
<i>Paddy</i>	Storage		<ul style="list-style-type: none"> <li>• Place sticky traps in the drying and storage areas for rats.</li> <li>• Storage rooms should be physically rodent and bird proof, if possible.</li> <li>• Inspect the stored seeds once a week for signs of insect infestation.</li> </ul>
<i>Green gram</i>	Vegetative stage	-	Clean cultivation should be maintained
<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

### *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

<b><i>Khasi Mandarin</i></b>		Leaf miner, aphids,	Spray neem oil @5ml/litre water against leaf miner, aphids, mites. Shake the trees to collect adult trunk borer
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			mites, trunk borer	
<i>Cucurbits</i>	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>
<i>Okra</i>	Flowering stage		-	<i>Collect and destroy all the infested shoots and 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"> <li>• Double the watering space in poultry houses during summer. Provide plenty of fresh , clean and cool drinking water during hot weather</li> <li>• In order to encourage feed intake during summer, reduce the energy content of the feed by 10%</li> <li>• Birds must be vaccinated against infectious diseases</li> <li>• Remove caked up and wet litter immediately from the poultry house to stop excess heat production</li> </ul>
<i>Piggery</i>	<ul style="list-style-type: none"> <li>• Ensure that pigs have access to an abundant fresh, cool drinking water to avoid heat stress</li> <li>• 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</li> </ul>

### ***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 12<sup>th</sup> to 16<sup>th</sup> May '18

## Mokokchung District

**Bulletin No:38/2018**

### *Weather summary of the preceding week*

- Moderate rain occurred the past week
- Maximum and minimum temperatures ranged 23<sup>0</sup>C to 24<sup>0</sup>C and 14<sup>0</sup>C to 15<sup>0</sup>C, respectively.
- Relative humidity varied from 29% to 90%.
- Wind speed ranged from 3 to 5 kmph

### *Weather forecast valid upto 16<sup>th</sup> May 2018*

- Probability of light rain the coming week.
- **Max temp** is likely to be 26<sup>0</sup>C - 27<sup>0</sup>C and the **min temp** 13<sup>0</sup>C to 14<sup>0</sup>C
- **Sky is likely to be mainly cloudy** the coming week
- **Relative Humidity** is likely to range from 40% to 92%.
- **Wind speed** may reach upto 3 - 4 kmph
- **Wind direction** will be southeasterly

- 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	-	<ul style="list-style-type: none"> <li>• <i>Timely weeding should be done.</i></li> </ul>
<i>Paddy</i>	Storage		<ul style="list-style-type: none"> <li>• <i>Place sticky traps in the drying and storage areas for rats.</i></li> <li>• <i>Storage rooms should be physically rodent and bird proof, if possible.</i></li> <li>• <i>Inspect the stored seeds once a week for signs of insect infestation.</i></li> </ul>
<i>Green gram</i>	Vegetative stage	-	<i>Clean cultivation should be maintained</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	Spray neem oil @5ml/litre water against leaf miner, aphids, mites. Shake the trees to collect adult trunk borer
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		borer	
<b>Cucurbits</b>	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>
<b>Okra</b>	Flowering stage	-	<i>Collect and destroy all the infested shoots and fruits.</i>
<b>Brinjal</b>	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>
<b>Ginger / turmeric</b>	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>
<b>Livestock</b>			
<ul style="list-style-type: none"> <li>• Water stagnation should be avoided in livestock shed to avoid mosquito breeding</li> </ul>			
<b>Poultry</b>	<ul style="list-style-type: none"> <li>• Double the watering space in poultry houses during summer. Provide plenty of fresh , clean and cool drinking water during hot weather</li> <li>• In order to encourage feed intake during summer, reduce the energy content of the feed by 10%</li> <li>• Birds must be vaccinated against infectious diseases</li> <li>• Remove caked up and wet litter immediately from the poultry house to stop excess heat production</li> </ul>		
<b>Piggery</b>	<ul style="list-style-type: none"> <li>• Ensure that pigs have access to an abundant fresh, cool drinking water to avoid heat stress</li> <li>• 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</li> </ul>		
<b>Fisheries</b>			
	<ul style="list-style-type: none"> <li>• Lime pond as per recommended dose @ 10kg/bigha</li> <li>• Stock fish fingerling @ 8000/ha</li> <li>• Strengthen embankment to avoid erosion due to heavy rainfall</li> <li>• If possible, stock bigger size fish seed to ensure faster growth</li> </ul>		



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# Integrated Agromet Advisory Service Bulletin from 12<sup>th</sup> to 16<sup>th</sup> May '18 Mon District

**Bulletin No:38/2018**

**ICAR RESEARCH COMPLEX FOR NEH REGION**  
 (Indian Council of Agricultural Research)  
**NAGALAND CENTER, JHARNAPANI, MEDZIPHEMA**

<i>Weather summary of the preceding week</i>	<i>Weather forecast valid upto 16<sup>th</sup> May 2018</i>
<ul style="list-style-type: none"> <li>▪ Moderate rain occurred the past week</li> <li>▪ Maximum and minimum temperatures ranged 21<sup>0</sup>C to 22<sup>0</sup>C and 13<sup>0</sup>C to 15<sup>0</sup>C, respectively.</li> <li>▪ Relative humidity varied from 33% to 90%</li> <li>▪ Wind speed ranged from 3 to 5 kmph</li> </ul>	<ul style="list-style-type: none"> <li>▪ Probability of light rain the coming week.</li> <li>▪ <b>Max temp</b> is likely to be 25<sup>0</sup>C - 26<sup>0</sup>C and the <b>min temp</b> 12<sup>0</sup>C to 13<sup>0</sup>C</li> <li>▪ <b>Sky is likely to be mainly cloudy</b> the coming week</li> <li>▪ <b>Relative Humidity</b> is likely to range from 43% to 90%.</li> <li>▪ <b>Wind speed</b> may reach upto 3- 4 kmph</li> <li>▪ <b>Wind direction</b> will be mostly southeasterly</li> </ul>

- 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*

<b>Main Crops</b>	<b>Stage</b>	<b>Pest/ Diseases</b>	<b>Agro-meteorological Advisories</b>
<i>Jhum Paddy</i>	Vegetative stage	-	<ul style="list-style-type: none"> <li>• <i>Timely weeding should be done.</i></li> </ul>
<i>Paddy</i>	Storage		<ul style="list-style-type: none"> <li>• <i>Place sticky traps in the drying and storage areas for rats.</i></li> <li>• <i>Storage rooms should be physically rodent and bird proof, if possible.</i></li> <li>• <i>Inspect the stored seeds once a week for signs of insect infestation.</i></li> </ul>
<i>Green gram</i>	Vegetative stage	-	<i>Clean cultivation should be maintained</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</i>		Leaf miner,	<i>Spray neem oil @5ml/litre water against leaf miner, aphids, mites. Shake the</i>
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<b>Mandarin</b>		aphids, mites, trunk borer	<i>trees to collect adult trunk borer</i>
<b>Cucurbits</b>	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>
<b>Okra</b>	Flowering stage	-	<i>Collect and destroy all the infested shoots and fruits.</i>
<b>Brinjal</b>	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>
<b>Ginger / turmeric</b>	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>
<b>Livestock</b>			
<ul style="list-style-type: none"> <li>• Water stagnation should be avoided in livestock shed to avoid mosquito breeding</li> </ul>			
<b>Poultry</b>	<ul style="list-style-type: none"> <li>• Double the watering space in poultry houses during summer. Provide plenty of fresh , clean and cool drinking water during hot weather</li> <li>• In order to encourage feed intake during summer, reduce the energy content of the feed by 10%</li> <li>• Birds must be vaccinated against infectious diseases</li> <li>• Remove caked up and wet litter immediately from the poultry house to stop excess heat production</li> </ul>		
<b>Piggery</b>	<ul style="list-style-type: none"> <li>• Ensure that pigs have access to an abundant fresh, cool drinking water to avoid heat stress</li> <li>• 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</li> </ul>		
<b>Fisheries</b>			
	<ul style="list-style-type: none"> <li>• Lime pond as per recommended dose @10kg/bigha</li> <li>• Stock fish fingerling @8000/ha</li> <li>• Strengthen embankment to avoid erosion due to heavy rainfall</li> <li>• If possible, stock bigger size fish seed to ensure faster growth</li> </ul>		

## 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 12<sup>th</sup> to 16<sup>th</sup> May '18

## Peren District

**Bulletin No:38/2018**

### *Weather summary of the preceding week*

- Moderate rain occurred the past week
- Maximum and minimum temperatures ranged 20<sup>o</sup>C to 21<sup>o</sup>C and 13<sup>o</sup>C to 14<sup>o</sup>C, respectively.
- Relative humidity varied from 30% to 90%.
- Wind speed ranged from 3 to 4 kmph

### *Weather forecast valid upto 16<sup>th</sup> May 2018*

- Probability of light rain the coming week.
- **Max temp** is likely to be 25<sup>o</sup>C - 26<sup>o</sup>C and the **min temp** 12<sup>o</sup>C to 13<sup>o</sup>C
- **Sky is likely to be mainly cloudy** the coming week
- **Relative Humidity** is likely to range from 42% to 90%.
- **Wind speed** may reach upto 2-3 kmph
- **Wind direction** will be mostly southeasterly

- 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. Timely weeding and earthing up should be carried out as there is probability of light rain the coming week too

### *Field crops*

Main Crops	Stage	Pest/ Diseases	Agro-meteorological Advisories
<i>Paddy</i>	Storage		<ul style="list-style-type: none"> <li>• Place sticky traps in the drying and storage areas for rats.</li> <li>• Storage rooms should be physically rodent and bird proof, if possible.</li> <li>• Inspect the stored seeds once a week for signs of insect infestation.</li> </ul>
<i>Green gram</i>	Vegetative stage	-	Clean cultivation should be maintained
<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

### *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

	<b>Khasi Mandarin</b>		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>
	<b>Cucurbits</b>	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>
	<b>Okra</b>	Flowering stage	-	<i>Collect and destroy all the infested shoots and fruits.</i>
	<b>Brinjal</b>	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>
	<b>Ginger / turmeric</b>	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>
	<b>Livestock</b>			
	<ul style="list-style-type: none"> <li>• Water stagnation should be avoided in livestock shed to avoid mosquito breeding</li> </ul>			
	<b>Poultry</b>	<ul style="list-style-type: none"> <li>• Double the watering space in poultry houses during summer. Provide plenty of fresh, clean and cool drinking water during hot weather</li> <li>• In order to encourage feed intake during summer, reduce the energy content of the feed by 10%</li> <li>• Birds must be vaccinated against infectious diseases</li> <li>• Remove caked up and wet litter immediately from the poultry house to stop excess heat production</li> </ul>		
	<b>Piggery</b>	<ul style="list-style-type: none"> <li>• Ensure that pigs have access to an abundant fresh, cool drinking water to avoid heat stress</li> <li>• 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</li> </ul>		
	<b>Fisheries</b>			
		<ul style="list-style-type: none"> <li>• Lime pond as per recommended dose @10kg/bigha</li> <li>• Stock fish fingerling @8000/ha</li> <li>• Strengthen embankment to avoid erosion due to heavy rainfall</li> <li>• If possible, stock bigger size fish seed to ensure faster growth</li> </ul>		



## SCIENTIFIC EXPERT COMMITTEE

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# Integrated Agromet Advisory Service Bulletin from 12<sup>th</sup> to 16<sup>th</sup> May '18 Phek District

**Bulletin No:38/2018**

### *Weather summary of the preceding week*

- Moderate rain occurred the past week
- Maximum and minimum temperatures ranged 20<sup>0</sup>C to 22<sup>0</sup>C and 13<sup>0</sup>C to 15<sup>0</sup>C, respectively.
- Relative humidity varied from 28% to 90%.
- Wind speed ranged from 3 to 4 kmph

### *Weather forecast valid upto 16<sup>th</sup> May 2018*

- Probability of light rain the coming week.
- **Max temp** is likely to be 23<sup>0</sup>C - 24<sup>0</sup>C and the **min temp** 13<sup>0</sup>C to 14<sup>0</sup>C
- **Sky is likely to be mainly cloudy** the coming week
- **Relative Humidity** is likely to range from 34% to 91%.
- **Wind speed** may reach upto 3-5 kmph  
**Wind direction** will be southeasterly

- 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. Timely weeding and earthing up should be carried out as there is probability of light rain the coming week too

### *Field crops*

Main Crops	Stage	Pest/ Diseases	Agro-meteorological Advisories
<i>Paddy</i>	Storage		<ul style="list-style-type: none"> <li>• Place sticky traps in the drying and storage areas for rats.</li> <li>• Storage rooms should be physically rodent and bird proof, if possible.</li> <li>• Inspect the stored seeds once a week for signs of insect infestation.</li> </ul>
<i>Green gram</i>	Vegetative stage	-	Clean cultivation should be maintained
<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

### *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

	<b>Khasi Mandarin</b>		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>
	<b>Cucurbits</b>	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>
	<b>Okra</b>	Flowering stage	-	<i>Collect and destroy all the infested shoots and fruits.</i>
	<b>Brinjal</b>	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>
	<b>Ginger / turmeric</b>	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>
<b>Livestock</b>				
<ul style="list-style-type: none"> <li>• Water stagnation should be avoided in livestock shed to avoid mosquito breeding</li> </ul>				
	<b>Poultry</b>	<ul style="list-style-type: none"> <li>• Double the watering space in poultry houses during summer. Provide plenty of fresh , clean and cool drinking water during hot weather</li> <li>• In order to encourage feed intake during summer, reduce the energy content of the feed by 10%</li> <li>• Birds must be vaccinated against infectious diseases</li> <li>• Remove caked up and wet litter immediately from the poultry house to stop excess heat production</li> </ul>		
	<b>Piggery</b>	<ul style="list-style-type: none"> <li>• Ensure that pigs have access to an abundant fresh, cool drinking water to avoid heat stress</li> <li>• 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</li> </ul>		
<b>Fisheries</b>				
		<ul style="list-style-type: none"> <li>• Lime pond as per recommended dose @10kg/bigha</li> <li>• Stock fish fingerling @8000/ha</li> <li>• Strengthen embankment to avoid erosion due to heavy rainfall</li> <li>• If possible, stock bigger size fish seed to ensure faster growth</li> </ul>		

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## Integrated Agromet Advisory Service Bulletin from 12<sup>th</sup> to 16<sup>th</sup> May '18 Tuensang District

**Bulletin No:38/2018**

<i>Weather summary of the preceding week</i>		<i>Weather forecast valid upto 16<sup>th</sup> May 2018</i>	
<ul style="list-style-type: none"> <li>▪ Moderate rain occurred the past week</li> <li>▪ Maximum and minimum temperatures ranged 17<sup>0</sup>C to 18<sup>0</sup>C and 11<sup>0</sup>C to 12<sup>0</sup>C, respectively.</li> <li>▪ Relative humidity varied from 29% to 90%.</li> <li>▪ Wind speed ranged from 3 to 4 kmph</li> </ul>		<ul style="list-style-type: none"> <li>▪ Probability of light rain the coming week.</li> <li>▪ <b>Max temp</b> is likely to be 22<sup>0</sup>C - 23<sup>0</sup>C and the <b>min temp</b> 10<sup>0</sup>C to 11<sup>0</sup>C</li> <li>▪ <b>Sky is likely to be mainly cloudy</b> the coming week</li> <li>▪ <b>Relative Humidity</b> is likely to range from 31% to 90%.</li> <li>▪ <b>Wind speed</b> may reach upto 2-3 kmph</li> <li>▪ <b>Wind direction</b> will be southeasterly</li> </ul>	
<ul style="list-style-type: none"> <li>• Timely weeding and earthing up should be carried out</li> <li>• 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. Timely weeding and earthing up should be carried out as there is probability of light rain the coming week too</li> </ul>			
<i>Field crops</i>			
<b>Main Crops</b>	<b>Stage</b>	<b>Pest/ Diseases</b>	<b>Agro-meteorological Advisories</b>
<i>Paddy</i>	Storage		<ul style="list-style-type: none"> <li>• Place sticky traps in the drying and storage areas for rats.</li> <li>• Storage rooms should be physically rodent and bird proof, if possible.</li> <li>• Inspect the stored seeds once a week for signs of insect infestation.</li> </ul>
<i>Green gram</i>	Vegetative stage	-	<i>Clean cultivation should be maintained</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>
<i>Horticultural crop</i>			
<ul style="list-style-type: none"> <li>• Standing rain water in the field may be drained off immediately after rain</li> <li>• Planting of vegetable seedlings may be done in raised bed to avoid the soil borne diseases / damping</li> <li>• Soil application of biocontrol agents (Trichoderma) at 2.5kg/ha with farm manure before transplanting</li> <li>• Transplanting of King chili should be done</li> </ul>			
<i>Khasi Mandarin</i>		Leaf miner, aphids, mites, trunk	<i>Spray neem oil @5ml/litre water against leaf miner, aphids, mites. Shake the trees to collect adult trunk borer</i>

			borer	
	<b>Cucurbits</b>	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>
	<b>Okra</b>	Flowering stage	-	<i>Collect and destroy all the infested shoots and fruits.</i>
	<b>Brinjal</b>	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>
	<b>Ginger / turmeric</b>	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>
	<b>Livestock</b>			
	<ul style="list-style-type: none"> <li>• Water stagnation should be avoided in livestock shed to avoid mosquito breeding</li> </ul>			
	<b>Poultry</b>	<ul style="list-style-type: none"> <li>• Double the watering space in poultry houses during summer. Provide plenty of fresh , clean and cool drinking water during hot weather</li> <li>• In order to encourage feed intake during summer, reduce the energy content of the feed by 10%</li> <li>• Birds must be vaccinated against infectious diseases</li> <li>• Remove caked up and wet litter immediately from the poultry house to stop excess heat production</li> </ul>		
	<b>Piggery</b>	<ul style="list-style-type: none"> <li>• Ensure that pigs have access to an abundant fresh, cool drinking water to avoid heat stress</li> <li>• 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</li> </ul>		
	<b>Fisheries</b>			
		<ul style="list-style-type: none"> <li>• Lime pond as per recommended dose @ 10kg/bigha</li> <li>• Stock fish fingerling @ 8000/ha</li> <li>• Strengthen embankment to avoid erosion due to heavy rainfall</li> <li>• If possible, stock bigger size fish seed to ensure faster growth</li> </ul>		

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# Integrated Agromet Advisory Service Bulletin from 12<sup>th</sup> to 16<sup>th</sup> May '18

## Wokha District

**Bulletin No:38/2018**

### *Weather summary of the preceding week*

- Moderate rain occurred the past week
- Maximum and minimum temperatures ranged 20<sup>0</sup>C to 22<sup>0</sup>C and 13<sup>0</sup>C to 15<sup>0</sup>C, respectively.
- Relative humidity varied from 60% to 90%.
- Wind speed ranged from 4 to 5 kmph

### *Weather forecast valid upto 16<sup>th</sup> May 2018*

- Probability of light rain the coming week.
- **Max temp** is likely to be 25<sup>0</sup>C - 26<sup>0</sup>C and the **min temp** 13<sup>0</sup>C to 14<sup>0</sup>C
- **Sky is likely to be mainly cloudy** the coming week
- **Relative Humidity** is likely to range from 41% to 94%.
- **Wind speed** may reach upto 4- 5 kmph
- **Wind direction** will be southeasterly

- 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. Timely weeding and earthing up should be carried out as there is probability of light rain the coming week too

### *Field crops*

Main Crops	Stage	Pest/ Diseases	Agro-meteorological Advisories
<i>Paddy</i>	Storage		<ul style="list-style-type: none"> <li>• Place sticky traps in the drying and storage areas for rats.</li> <li>• Storage rooms should be physically rodent and bird proof, if possible.</li> <li>• Inspect the stored seeds once a week for signs of insect infestation.</li> </ul>
<i>Green gram</i>	Vegetative stage	-	<i>Clean cultivation should be maintained</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

<b>Khasi Mandarin</b>		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>
<b>Cucurbits</b>	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>
<b>Okra</b>	Flowering stage	-	<i>Collect and destroy all the infested shoots and fruits.</i>
<b>Brinjal</b>	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>
<b>Ginger / turmeric</b>	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>
<b>Livestock</b>			
<ul style="list-style-type: none"> <li>• Water stagnation should be avoided in livestock shed to avoid mosquito breeding</li> </ul>			
<b>Poultry</b>	<ul style="list-style-type: none"> <li>• Double the watering space in poultry houses during summer. Provide plenty of fresh , clean and cool drinking water during hot weather</li> <li>• In order to encourage feed intake during summer, reduce the energy content of the feed by 10%</li> <li>• Birds must be vaccinated against infectious diseases</li> <li>• Remove caked up and wet litter immediately from the poultry house to stop excess heat production</li> </ul>		
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	<ul style="list-style-type: none"> <li>• Lime pond as per recommended dose @10kg/bigha</li> <li>• Stock fish fingerling @8000/ha</li> <li>• Strengthen embankment to avoid erosion due to heavy rainfall</li> <li>• If possible, stock bigger size fish seed to ensure faster growth</li> </ul>		



## SCIENTIFIC EXPERT COMMITTEE

Sl.no	Name	Designation	Department	
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ICAR - RCNEH

ICAR RESEARCH COMPLEX FOR NEH REGION  
(Indian Council of Agricultural Research)  
NAGALAND CENTER, JHARNAPANI, MEDZIPHEMA

## Integrated Agromet Advisory Service Bulletin from 12<sup>th</sup> to 16<sup>th</sup> May '18 Zunheboto District

**Bulletin No:38/2018**

### *Weather summary of the preceding week*

- Moderate rain occurred the past week
- Maximum and minimum temperatures ranged 18<sup>0</sup>C to 21<sup>0</sup>C and 12<sup>0</sup>C to 14<sup>0</sup>C, respectively.
- Relative humidity varied from 31% to 90%.
- Wind speed ranged from 4 to 5 kmph

### *Weather forecast valid upto 16<sup>th</sup> May 2018*

- Probability of light rain the coming week.
- **Max temp** is likely to be 23<sup>0</sup>C - 24<sup>0</sup>C and the **min temp** 11<sup>0</sup>C to 12<sup>0</sup>C
- **Sky is likely to be mainly cloudy** the coming week
- **Relative Humidity** is likely to range from 40% to 89%.
- **Wind speed** may reach upto 3-4 kmph
- **Wind direction** will be southeasterly

- 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. Timely weeding and earthing up should be carried out as there is probability of light rain the coming week too

### *Field crops*

<b>Main Crops</b>	<b>Stage</b>	<b>Pest/ Diseases</b>	<b>Agro-meteorological Advisories</b>
<b>Paddy</b>	Storage		<ul style="list-style-type: none"> <li>• Place sticky traps in the drying and storage areas for rats.</li> <li>• Storage rooms should be physically rodent and bird proof, if possible.</li> <li>• Inspect the stored seeds once a week for signs of insect infestation.</li> </ul>
<b>Green gram</b>	Vegetative stage	-	Clean cultivation should be maintained
<b>Maize</b>	vegetative stage		Timely weeding and earthing up should be done for the plant to grow well
<b>Water harvesting</b>			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*

- 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

	<b>Khasi Mandarin</b>		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>
	<b>Cucurbits</b>	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>
	<b>Okra</b>	Flowering stage	-	<i>Collect and destroy all the infested shoots and fruits.</i>
	<b>Brinjal</b>	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>
	<b>Ginger / turmeric</b>	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>
<b>Livestock</b>				
<ul style="list-style-type: none"> <li>Water stagnation should be avoided in livestock shed to avoid mosquito breeding</li> </ul>				
	<b>Poultry</b>	<ul style="list-style-type: none"> <li>Double the watering space in poultry houses during summer. Provide plenty of fresh , clean and cool drinking water during hot weather</li> <li>In order to encourage feed intake during summer, reduce the energy content of the feed by 10%</li> <li>Birds must be vaccinated against infectious diseases</li> <li>Remove caked up and wet litter immediately from the poultry house to stop excess heat production</li> </ul>		
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