



# Integrated Agromet Advisory Service Bulletin from 10<sup>th</sup> to 14<sup>th</sup> May '17

## Peren District

Bulletin No:35/2017

### *Weather summary of the preceding week*

- Light rain occurred the past week
- Maximum and minimum temperatures ranged 26<sup>o</sup>C to 31<sup>o</sup>C and 16<sup>o</sup>C to 18<sup>o</sup>C, respectively.
- Relative humidity varied from 17% to 95%.
- Wind speed ranged from 1 to 2 kmph

### *Weather forecast valid upto 14<sup>th</sup> May '17*

- Probability of moderate rain the coming week.
- **Max temp** is likely to be 29<sup>o</sup>C - 34<sup>o</sup>C and the **min temp** 21<sup>o</sup>C to 23<sup>o</sup>C
- **Sky is likely to be mainly cloudy** the coming week
- **Relative Humidity** is likely to range from 33% to 90%.
- **Wind speed** may reach upto 1- 2 kmph
- **Wind direction** will be mostly southerly

### *Field crops*

#### *General Recommendations*

- As there is probability of light rain this week too, proper drainage should be maintained in the field and proper weeding and earthing up should be carried out.
- For successful crop rotation, non- leguminous crop should be followed by leguminous crop or vice- versa.
- Due to variable weather, farmers are advised to do constant monitoring against attack of pest and disease in vegetable crop, if symptom is observed then take protection measures as per recommendation when sky remain clear.
- Sowing of green manure crop is advised in those field where harvesting of *rabi* crop is completed. Sowing of cluster bean, daincha, etc may be done for green manure. For proper germination and growth of the crop soil should have sufficient moisture

<b>Main Crops</b>	<b>Stage</b>	<b>Pest/ Diseases</b>	<b>Agro-meteorological Advisories</b>
<i>Jhum paddy</i>	Vegetative stage	Blast	<i>Maintain field sanitation and adopt clean cultivation</i>
<i>TRC/WRC paddy</i>			<i>Crop rotation should be adopted to break the cycle between insect pests or pathogen and host plant.</i>
<i>Summer maize</i>	Vegetative stage		<i>Maintain proper drainage in the field. As there is probability of rain this week too, after weeding, earthing up should be done.</i>
<i>Green gram</i>	Vegetative stage		<i>Clean cultivation should be maintained</i>

### ***Horticultural crop***

Keeping weather in view, farmers are advised to start sowing of ginger, turmeric and large cardamom. Use well decomposed FYM and mulching with locally available dry grasses/ leaves/ straw should be done after planting

<b><i>Mandarin</i></b>			<i>To improve mandarin orchards, timely cleaning and removing of other forest trees including bamboo bushes, wild banana, plant parasites and weeds. Dead and infected branches should be pruned. In order to improve soil fertility, leguminous crops like pea, cowpea, rice bean, French bean, green gram, shallow rooted less exhaustive seasonal vegetables, papaya can be grown as intercrops.</i>
<b><i>Okra</i></b>	Flowering stage		<i>As there will be rain the coming days, proper drainage should be maintained in the field.</i>
<b><i>Potato</i></b>	Harvesting stage		<ul style="list-style-type: none"> <li>• <i>Harvesting of potato should be postponed due to probability of rain</i></li> </ul>
<b><i>Cucurbits</i></b>	Vegetative stage		<ul style="list-style-type: none"> <li>• <i>Spray <a href="#"><u>ethrel ( plant growth regulator) @0.2 ml in 1 lt of water at 2 true leaf stage and second spray at 4 true leaf stage to increase the number of fruits.</u></a></i></li> </ul>
<b><i>Summer vegetables</i></b>	Vegetative stage		<ul style="list-style-type: none"> <li>• <i>Monitor the field for damping off and other fungal disease. Take proper measures.</i></li> </ul>
<b><i>Brinjal</i></b>	Vegetative stage		<ul style="list-style-type: none"> <li>• <i>Timely irrigation is quite essential for good growth, flowering, fruit setting and development of fruits.</i></li> <li>• <i>Frequent shallow cultivation should be done at regular intervals so as to keep the field free from weeds and to facilitate soil aeration and proper root development.</i></li> </ul>
<b><i>Naga king chilli</i></b>	Vegetative stage		<i>Proper earthing up should be done</i>
<b><i>Fruit trees</i></b>			<i>With the onset of monsoon showers, planting of fruit trees like mango, litchi, jamun etc should be done. Desirable pit size of 3ft x 3ft x 3ft may be dugged and an application of recommended doses of FYM and neem cake should be applied</i>
<b><i>Mango</i></b>		Mango hopper	<i>In mango orchard, farmers are advised for monitoring the mango hopper. Infected inflorescence should be destroyed.</i>

### ***Livestock***

	<b><i>Poultry</i></b>	<ul style="list-style-type: none"> <li>● Provide clean drinking water. With the onset of rainy season, chickens may encounter standing water. Drinking water from the ground can lead to the infection of pathogens and parasites. Intestinal round worms are a common problem in chickens drinking from standing water. Worm infected chickens will generally appear healthy but seem to always be hungry and eating but remain skinny for their breed</li> </ul>
 <p>भारतीय ICAR</p>	<b><i>Piggery</i></b>	<ul style="list-style-type: none"> <li>● Animals purchased for the farm should be from disease free herds. Newly purchased animals should be isolated from the other animals in the farm for a period of three to four weeks. No visitor allowed visiting the farm.</li> </ul>
		<b><i>Fisheries</i></b>
		<ul style="list-style-type: none"> <li>➤ Apply lime as per recommended dose depending on the pH</li> <li>➤ After 15 days of lime application, apply cow dung and wait till the pond water turns green.</li> <li>➤ Put some aquatic plant in one corner of the pond for sheltering stocked fish during high temperature.</li> </ul>

## SCIENTIFIC EXPERT COMMITTEE

Sl.no	Name	Designation	Department	
1	Dr.D.J. Rajkhowa	Principle Scientist	Agronomy	djrakhowa@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 10<sup>th</sup> to 14<sup>th</sup> May'17

## Phek District

Bulletin No:35/2017

### *Weather summary of the preceding week*

- Light rain occurred the past week
- Maximum and minimum temperatures ranged 25<sup>0</sup>C to 31<sup>0</sup>C and 11<sup>0</sup>C to 18<sup>0</sup>C, respectively.
- Relative humidity varied from 17% to 95%.
- Wind speed ranged from 1 to 2 kmph

### *Weather forecast valid upto 14<sup>th</sup> May'17*

- 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** 20<sup>0</sup>C to 21<sup>0</sup>C
- **Sky is likely to be mainly cloudy** the coming week
- **Relative Humidity** is likely to range from 34% to 87%.
- **Wind speed** may reach upto 1- 2 kmph  
**Wind direction** will be mostly southerly

### *Field crops*

#### *General Recommendations*

- As there is probability of light rain this week too, proper drainage should be maintained in the field and proper weeding and earthing up should be carried out.
- For successful crop rotation, non- leguminous crop should be followed by leguminous crop or vice- versa.
- Due to variable weather, farmers are advised to do constant monitoring against attack of pest and disease in vegetable crop, if symptom is observed then take protection measures as per recommendation when sky remain clear.
- Sowing of green manure crop is advised in those field where harvesting of *rabi* crop is completed. Sowing of cluster bean, daincha, etc may be done for green manure. For proper germination and growth of the crop soil should have sufficient moisture

Main Crops	Stage	Pest/ Diseases	Agro-meteorological Advisories
<i>Jhum paddy</i>	Vegetative stage	Blast	<i>Maintain field sanitation and adopt clean cultivation</i>
<i>TRC/WRC paddy</i>			<i>Crop rotation should be adopted to break the cycle between insect pests or pathogen and host plant.</i>
<i>Summer maize</i>	Vegetative stage		<i>Maintain proper drainage in the field. As there is probability of rain this week too, after weeding, earthing up should be done.</i>
<i>Green gram</i>	Vegetative		<i>Clean cultivation should be maintained</i>

	stage		
<b>Horticultural crop</b>			
Keeping weather in view, farmers are advised to start sowing of ginger, turmeric and large cardamom. Use well decomposed FYM and mulching with locally available dry grasses/ leaves/ straw should be done after planting			
<b>Mandarin</b>			<i>To improve mandarin orchards, timely cleaning and removing of other forest trees including bamboo bushes, wild banana, plant parasites and weeds. Dead and infected branches should be pruned. In order to improve soil fertility, leguminous crops like pea, cowpea, rice bean, French bean, green gram, shallow rooted less exhaustive seasonal vegetables, papaya can be grown as intercrops.</i>
<b>Okra</b>	Flowering stage		<i>As there will be rain the coming days, proper drainage should be maintained in the field.</i>
<b>Potato</b>	Harvesting stage		<ul style="list-style-type: none"> <li>• <i>Harvesting of potato should be postponed due to probability of rain</i></li> </ul>
<b>Cucurbits</b>	Vegetative stage		<ul style="list-style-type: none"> <li>• <i>Spray <a href="#">ethrel ( plant growth regulator) @0.2 ml in 1 lt of water at 2 true leaf stage and second spray at 4 true leaf stage to increase the number of fruits.</a></i></li> </ul>
<b>Summer vegetables</b>	Vegetative stage		<ul style="list-style-type: none"> <li>• <i>Monitor the field for damping off and other fungal disease. Take proper measures.</i></li> </ul>
<b>Brinjal</b>	Vegetative stage		<ul style="list-style-type: none"> <li>• <i>Timely irrigation is quite essential for good growth, flowering, fruit setting and development of fruits.</i></li> <li>• <i>Frequent shallow cultivation should be done at regular intervals so as to keep the field free from weeds and to facilitate soil aeration and proper root development.</i></li> </ul>
<b>Naga king chilli</b>	Vegetative stage		<i>Proper earthing up should be done</i>
<b>Fruit trees</b>			<i>With the onset of monsoon showers, planting of fruit trees like mango, litchi, jamun etc should be done. Desirable pit size of 3ft x 3ft x 3ft may be dugged and an application of recommended doses of FYM and neem cake should be applied</i>
<b>Mango</b>		Mango hopper	<i>In mango orchard, farmers are advised for monitoring the mango hopper. Infected inflorescence should be destroyed.</i>
<b>Livestock</b>			
<b>Poultry</b>	<ul style="list-style-type: none"> <li>• Provide clean drinking water. With the onset of rainy season, chickens may encounter standing water. Drinking water from the ground can lead to the infection of pathogens and parasites. Intestinal round worms are a common problem in chickens drinking from standing water. Worm infected chickens will generally</li> </ul>		

		appear healthy but seem to always be hungry and eating but remain skinny for their breed
	<b>Piggery</b>	<ul style="list-style-type: none"> <li>Animals purchased for the farm should be from disease free herds. Newly purchased animals should be isolated from the other animals in the farm for a period of three to four weeks. No visitor allowed visiting the farm.</li> </ul>
		<b>Fisheries</b>
		<ul style="list-style-type: none"> <li>➤ Apply lime as per recommended dose depending on the pH</li> <li>➤ After 15 days of lime application, apply cow dung and wait till the pond water turns green.</li> <li>➤ Put some aquatic plant in one corner of the pond for sheltering stocked fish during high temperature.</li> </ul>

## SCIENTIFIC EXPERT COMMITTEE

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# Integrated Agromet Advisory Service Bulletin from 10<sup>th</sup> to 14<sup>th</sup> May'17

## Tuensang District

Bulletin No:35/2017

### *Weather summary of the preceding week*

- Light rain occurred the past week
- Maximum and minimum temperatures ranged 25<sup>0</sup>C to 31<sup>0</sup>C and 12<sup>0</sup>C to 19<sup>0</sup>C, respectively.
- Relative humidity varied from 29% to 91%.
- Wind speed ranged from 1 to 2 kmph

### *Weather forecast valid upto 14<sup>th</sup> May'17*

- Probability of light rain the coming week.
- **Max temp** is likely to be 30<sup>0</sup>C - 32<sup>0</sup>C and the **min temp** 20<sup>0</sup>C to 21<sup>0</sup>C
- **Sky is likely to be mainly cloudy** the coming week
- **Relative Humidity** is likely to range from 38% to 93%.
- **Wind speed** may reach upto 1 - 2 kmph
- **Wind direction** will be mostly southwesterly

### *Field crops*

#### *General Recommendations*

- As there is probability of light rain this week too, proper drainage should be maintained in the field and proper weeding and earthing up should be carried out.
- For successful crop rotation, non- leguminous crop should be followed by leguminous crop or vice- versa.
- Due to variable weather, farmers are advised to do constant monitoring against attack of pest and disease in vegetable crop, if symptom is observed then take protection measures as per recommendation when sky remain clear.
- Sowing of green manure crop is advised in those field where harvesting of *rabi* crop is completed. Sowing of cluster bean, daincha, etc may be done for green manure. For proper germination and growth of the crop soil should have sufficient moisture

<b>Main Crops</b>	<b>Stage</b>	<b>Pest/ Diseases</b>	<b>Agro-meteorological Advisories</b>
<i>Jhum paddy</i>	Vegetative stage	Blast	<i>Maintain field sanitation and adopt clean cultivation</i>
<i>TRC/WRC paddy</i>			<i>Crop rotation should be adopted to break the cycle between insect pests or pathogen and host plant.</i>
<i>Summer maize</i>	Vegetative stage		<i>Maintain proper drainage in the field. As there is probability of rain this week too, after weeding, earthing up should be done.</i>
<i>Green gram</i>	Vegetative stage		<i>Clean cultivation should be maintained</i>

### ***Horticultural crop***

Keeping weather in view, farmers are advised to start sowing of ginger, turmeric and large cardamom. Use well decomposed FYM and mulching with locally available dry grasses/ leaves/ straw should be done after planting

<b><i>Mandarin</i></b>			<i>To improve mandarin orchards, timely cleaning and removing of other forest trees including bamboo bushes, wild banana, plant parasites and weeds. Dead and infected branches should be pruned. In order to improve soil fertility, leguminous crops like pea, cowpea, rice bean, French bean, green gram, shallow rooted less exhaustive seasonal vegetables, papaya can be grown as intercrops.</i>
<b><i>Okra</i></b>	Flowering stage		<i>As there will be rain the coming days, proper drainage should be maintained in the field.</i>
<b><i>Potato</i></b>	Harvesting stage		<ul style="list-style-type: none"> <li>• <i>Harvesting of potato should be postponed due to probability of rain</i></li> </ul>
<b><i>Cucurbits</i></b>	Vegetative stage		<ul style="list-style-type: none"> <li>• <i>Spray <a href="#"><u>ethrel ( plant growth regulator) @0.2 ml in 1 lt of water at 2 true leaf stage and second spray at 4 true leaf stage to increase the number of fruits.</u></a></i></li> <li>• <i>Monitor the field for damping off and other fungal disease. Take proper measures.</i></li> </ul>
<b><i>Summer vegetables</i></b>	Vegetative stage		
<b><i>Brinjal</i></b>	Vegetative stage		<ul style="list-style-type: none"> <li>• <i>Timely irrigation is quite essential for good growth, flowering, fruit setting and development of fruits.</i></li> <li>• <i>Frequent shallow cultivation should be done at regular intervals so as to keep the field free from weeds and to facilitate soil aeration and proper root development.</i></li> </ul>
<b><i>Naga king chilli</i></b>	Vegetative stage		<i>Proper earthing up should be done</i>
<b><i>Fruit trees</i></b>			<i>With the onset of monsoon showers, planting of fruit trees like mango, litchi, jamun etc should be done. Desirable pit size of 3ft x 3ft x 3ft may be dugged and an application of recommended doses of FYM and neem cake should be applied</i>
<b><i>Mango</i></b>		Mango hopper	<i>In mango orchard, farmers are advised for monitoring the mango hopper. Infected inflorescence should be destroyed.</i>
<b><i>Fruit trees</i></b>			<i>Pits for fruit plantations should be ready for May - June planting (1x1x1 m<sup>3</sup> pit size.</i>
<b><i>Mango</i></b>		Mango hopper	<i>In mango orchard, farmers are advised for monitoring the mango hopper. Infected inflorescence should be destroyed.</i>

	<b><i>Livestock</i></b>	
	<b><i>Poultry</i></b>	<ul style="list-style-type: none"> <li>• Provide clean drinking water. With the onset of rainy season, chickens may encounter standing water. Drinking water from the ground can lead to the infection of pathogens and parasites. Intestinal round worms are a common problem in chickens drinking from standing water. Worm infected chickens will generally appear healthy but seem to always be hungry and eating but remain skinny for their breed</li> </ul>
	<b><i>Piggery</i></b>	<ul style="list-style-type: none"> <li>• Animals purchased for the farm should be from disease free herds. Newly purchased animals should be isolated from the other animals in the farm for a period of three to four weeks. No visitor allowed visiting the farm.</li> </ul>
	<b><i>Fisheries</i></b>	
		<ul style="list-style-type: none"> <li>➤ Apply lime as per recommended dose depending on the pH</li> <li>➤ After 15 days of lime application, apply cow dung and wait till the pond water turns green.</li> <li>➤ Put some aquatic plant in one corner of the pond for sheltering stocked fish during high temperature.</li> </ul>

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



# Integrated Agromet Advisory Service Bulletin from 10<sup>th</sup> to 14<sup>th</sup> May '17

## Wokha District

Bulletin No:35/2017

### *Weather summary of the preceding week*

- Light rain occurred the past week
- Maximum and minimum temperatures ranged 25<sup>0</sup>C to 30<sup>0</sup>C and 11<sup>0</sup>C to 20<sup>0</sup>C, respectively.
- Relative humidity varied from 16% to 94%.
- Wind speed ranged from 2 to 4 kmph

### *Weather forecast valid upto 14<sup>th</sup> May '17*

- 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** 21<sup>0</sup>C to 22<sup>0</sup>C
- **Sky is likely to be mainly cloudy** the coming week
- **Relative Humidity** is likely to range from 33% to 85%.
- **Wind speed** may reach upto 2- 3 kmph
- **Wind direction** will be mostly southeasterly

### *Field crops*

#### *General Recommendations*

- As there is probability of light rain this week too, proper drainage should be maintained in the field and proper weeding and earthing up should be carried out.
- For successful crop rotation, non- leguminous crop should be followed by leguminous crop or vice- versa.
- Due to variable weather, farmers are advised to do constant monitoring against attack of pest and disease in vegetable crop, if symptom is observed then take protection measures as per recommendation when sky remain clear.
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Main Crops	Stage	Pest/ Diseases	Agro-meteorological Advisories
<i>Jhum paddy</i>	Vegetative stage	Blast	<i>Maintain field sanitation and adopt clean cultivation</i>
<i>TRC/WRC paddy</i>			<i>Crop rotation should be adopted to break the cycle between insect pests or pathogen and host plant.</i>
<i>Summer maize</i>	Vegetative stage		<i>Maintain proper drainage in the field. As there is probability of rain this week too, after weeding, earthing up should be done.</i>
<i>Green gram</i>	Vegetative stage		<i>Clean cultivation should be maintained</i>

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

### ***Horticultural crop***

Keeping weather in view, farmers are advised to start sowing of ginger, turmeric and large cardamom. Use well decomposed FYM and mulching with locally available dry grasses/ leaves/ straw should be done after planting

<b><i>Mandarin</i></b>			<i>To improve mandarin orchards, timely cleaning and removing of other forest trees including bamboo bushes, wild banana, plant parasites and weeds. Dead and infected branches should be pruned. In order to improve soil fertility, leguminous crops like pea, cowpea, rice bean, French bean, green gram, shallow rooted less exhaustive seasonal vegetables, papaya can be grown as intercrops.</i>
<b><i>Okra</i></b>	Flowering stage		<i>As there will be rain the coming days, proper drainage should be maintained in the field.</i>
<b><i>Potato</i></b>	Harvesting stage		<ul style="list-style-type: none"> <li>• <i>Harvesting of potato should be postponed due to probability of rain</i></li> </ul>
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<b><i>Summer vegetables</i></b>	Vegetative stage		<ul style="list-style-type: none"> <li>• <i>Monitor the field for damping off and other fungal disease. Take proper measures.</i></li> </ul>
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<b><i>Naga king chilli</i></b>	Vegetative stage		<i>Proper earthing up should be done</i>
<b><i>Fruit trees</i></b>			<i>With the onset of monsoon showers, planting of fruit trees like mango, litchi, jamun etc should be done. Desirable pit size of 3ft x 3ft x 3ft may be dugged and an application of recommended doses of FYM and neem cake should be applied</i>
<b><i>Mango</i></b>		Mango hopper	<i>In mango orchard, farmers are advised for monitoring the mango hopper. Infected inflorescence should be destroyed.</i>

### ***Livestock***

<b><i>Poultry</i></b>	<ul style="list-style-type: none"> <li>• Provide clean drinking water. With the onset of rainy season, chickens may encounter standing water. Drinking water from the ground can lead to the infection of pathogens and parasites. Intestinal round</li> </ul>
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		worms are a common problem in chickens drinking from standing water. Worm infected chickens will generally appear healthy but seem to always be hungry and eating but remain skinny for their breed
	<b>Piggery</b>	<ul style="list-style-type: none"> <li>Animals purchased for the farm should be from disease free herds. Newly purchased animals should be isolated from the other animals in the farm for a period of three to four weeks. No visitor allowed visiting the farm.</li> </ul>
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# Integrated Agromet Advisory Service Bulletin from 10<sup>th</sup> to 14<sup>th</sup> May'17

## Zunheboto District

Bulletin No:35/2017

### *Weather summary of the preceding week*

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- Maximum and minimum temperatures ranged 24<sup>o</sup>C to 31<sup>o</sup>C and 11<sup>o</sup>C to 19<sup>o</sup>C, respectively.
- Relative humidity varied from 29% to 93%.
- Wind speed ranged from 1 to 2 kmph

### *Weather forecast valid upto 14<sup>th</sup> May'17*

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- **Max temp** is likely to be 31<sup>o</sup>C - 32<sup>o</sup>C and the **min temp** 20<sup>o</sup>C to 21<sup>o</sup>C
- **Sky is likely to be mainly cloudy** the coming week
- **Relative Humidity** is likely to range from 36% to 89%.
- **Wind speed** may reach upto 1- 2 kmph
- **Wind direction** will be mostly southerly

### *Field crops*

#### *General Recommendations*

- As there is probability of light rain this week too, proper drainage should be maintained in the field and proper weeding and earthing up should be carried out.
- For successful crop rotation, non- leguminous crop should be followed by leguminous crop or vice- versa.
- Due to variable weather, farmers are advised to do constant monitoring against attack of pest and disease in vegetable crop, if symptom is observed then take protection measures as per recommendation when sky remain clear.
- Sowing of green manure crop is advised in those field where harvesting of *rabi* crop is completed. Sowing of cluster bean, daincha, etc may be done for green manure. For proper germination and growth of the crop soil should have sufficient moisture

Main Crops	Stage	Pest/ Diseases	Agro-meteorological Advisories
<i>Jhum paddy</i>	Vegetative stage	Blast	<i>Maintain field sanitation and adopt clean cultivation</i>
<i>TRC/WRC paddy</i>			<i>Crop rotation should be adopted to break the cycle between insect pests or pathogen and host plant.</i>
<i>Summer maize</i>	Vegetative stage		<i>Maintain proper drainage in the field. As there is probability of rain this week too, after weeding, earthing up should be done.</i>
<i>Green gram</i>	Vegetative stage		<i>Clean cultivation should be maintained</i>

### ***Horticultural crop***

Keeping weather in view, farmers are advised to start sowing of ginger, turmeric and large cardamom. Use well decomposed FYM and mulching with locally available dry grasses/ leaves/ straw should be done after planting

<b><i>Mandarin</i></b>			<i>To improve mandarin orchards, timely cleaning and removing of other forest trees including bamboo bushes, wild banana, plant parasites and weeds. Dead and infected branches should be pruned. In order to improve soil fertility, leguminous crops like pea, cowpea, rice bean, French bean, green gram, shallow rooted less exhaustive seasonal vegetables, papaya can be grown as intercrops.</i>
<b><i>Okra</i></b>	Flowering stage		<i>As there will be rain the coming days, proper drainage should be maintained in the field.</i>
<b><i>Potato</i></b>	Harvesting stage		<ul style="list-style-type: none"><li><i>Harvesting of potato should be postponed due to probability of rain</i></li></ul>
<b><i>Cucurbits</i></b>	Vegetative stage		<ul style="list-style-type: none"><li><i>Spray <a href="#">ethrel ( plant growth regulator) @0.2 ml in 1 lt of water at 2 true leaf stage and second spray at 4 true leaf stage to increase the number of fruits.</a></i></li></ul>
<b><i>Summer vegetables</i></b>	Vegetative stage		<ul style="list-style-type: none"><li><i>Monitor the field for damping off and other fungal disease. Take proper measures.</i></li></ul>
<b><i>Brinjal</i></b>	Vegetative stage		<ul style="list-style-type: none"><li><i>Timely irrigation is quite essential for good growth, flowering, fruit setting and development of fruits.</i></li><li><i>Frequent shallow cultivation should be done at regular intervals so as to keep the field free from weeds and to facilitate soil aeration and proper root development.</i></li></ul>
<b><i>Naga king chilli</i></b>	Vegetative stage		<i>Proper earthing up should be done</i>
<b><i>Fruit trees</i></b>			<i>With the onset of monsoon showers, planting of fruit trees like mango, litchi, jamun etc should be done. Desirable pit size of 3ft x 3ft x 3ft may be dugged and an application of recommended doses of FYM and neem cake should be applied</i>
<b><i>Mango</i></b>		Mango hopper	<i>In mango orchard, farmers are advised for monitoring the mango hopper. Infected inflorescence should be destroyed.</i>

### ***Livestock***

	<b><i>Poultry</i></b>	<ul style="list-style-type: none"> <li>● Provide clean drinking water. With the onset of rainy season, chickens may encounter standing water. Drinking water from the ground can lead to the infection of pathogens and parasites. Intestinal round worms are a common problem in chickens drinking from standing water. Worm infected chickens will generally appear healthy but seem to always be hungry and eating but remain skinny for their breed</li> </ul>
	<b><i>Piggery</i></b>	<ul style="list-style-type: none"> <li>● Animals purchased for the farm should be from disease free herds. Newly purchased animals should be isolated from the other animals in the farm for a period of three to four weeks. No visitor allowed visiting the farm.</li> </ul>
		<b><i>Fisheries</i></b>
 <p>भारत ICAR</p>		<ul style="list-style-type: none"> <li>➤ Apply lime as per recommended dose depending on the pH</li> <li>➤ After 15 days of lime application, apply cow dung and wait till the pond water turns green.</li> <li>➤ Put some aquatic plant in one corner of the pond for sheltering stocked fish during high temperature.</li> </ul>

## SCIENTIFIC EXPERT COMMITTEE

Sl.no	Name	Designation	Department	
1	Dr.D.J. Rajkhowa	Principle Scientist	Agronomy	djrajkhowa@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 10<sup>th</sup> to 14<sup>th</sup> May '17

## Longleng District

Bulletin No:35/2017

### *Weather summary of the preceding week*

- Light rain occurred the past week
- Maximum and minimum temperatures ranged 24<sup>0</sup>C to 27<sup>0</sup>C and 12<sup>0</sup>C to 14<sup>0</sup>C, respectively.
- Relative humidity varied from 22% to 95%.
- Wind speed ranged from 1 to 2 kmph

### *Weather forecast valid upto 14<sup>th</sup> May '17*

- Probability of light rain the coming week.
- **Max temp** is likely to be 32<sup>0</sup>C - 33<sup>0</sup>C and the **min temp** 22<sup>0</sup>C to 23<sup>0</sup>C
- **Sky is likely to be mainly cloudy** the coming week
- **Relative Humidity** is likely to range from 38% to 92%.
- **Wind speed** may reach upto 1- 2 kmph
- **Wind direction** will be mostly southwesterly

### *Field crops*

#### *General Recommendations*

- As there is probability of light rain this week too, proper drainage should be maintained in the field and proper weeding and earthing up should be carried out.
- For successful crop rotation, non- leguminous crop should be followed by leguminous crop or vice- versa.
- Due to variable weather, farmers are advised to do constant monitoring against attack of pest and disease in vegetable crop, if symptom is observed then take protection measures as per recommendation when sky remain clear.
- Sowing of green manure crop is advised in those field where harvesting of *rabi* crop is completed. Sowing of cluster bean, daincha, etc may be done for green manure. For proper germination and growth of the crop soil should have sufficient moisture

Main Crops	Stage	Pest/ Diseases	Agro-meteorological Advisories
<i>Jhum paddy</i>	Vegetative stage	Blast	<i>Maintain field sanitation and adopt clean cultivation</i>
<i>TRC/WRC paddy</i>			<i>Crop rotation should be adopted to break the cycle between insect pests or pathogen and host plant.</i>
<i>Summer maize</i>	Vegetative stage		<i>Maintain proper drainage in the field. As there is probability of rain this week too, after weeding, earthing up should be done.</i>
<i>Green gram</i>	Vegetative stage		<i>Clean cultivation should be maintained</i>

### ***Horticultural crop***

Keeping weather in view, farmers are advised to start sowing of ginger, turmeric and large cardamom. Use well decomposed FYM and mulching with locally available dry grasses/ leaves/ straw should be done after planting

<b><i>Mandarin</i></b>			<i>To improve mandarin orchards, timely cleaning and removing of other forest trees including bamboo bushes, wild banana, plant parasites and weeds. Dead and infected branches should be pruned. In order to improve soil fertility, leguminous crops like pea, cowpea, rice bean, French bean, green gram, shallow rooted less exhaustive seasonal vegetables, papaya can be grown as intercrops.</i>
<b><i>Okra</i></b>	Flowering stage		<i>As there will be rain the coming days, proper drainage should be maintained in the field.</i>
<b><i>Potato</i></b>	Harvesting stage		<ul style="list-style-type: none"> <li>• <i>Harvesting of potato should be postponed due to probability of rain</i></li> </ul>
<b><i>Cucurbits</i></b>	Vegetative stage		<ul style="list-style-type: none"> <li>• <i>Spray <a href="#">ethrel ( plant growth regulator) @0.2 ml in 1 lt of water at 2 true leaf stage and second spray at 4 true leaf stage to increase the number of fruits.</a></i></li> </ul>
<b><i>Summer vegetables</i></b>	Vegetative stage		<ul style="list-style-type: none"> <li>• <i>Monitor the field for damping off and other fungal disease. Take proper measures.</i></li> </ul>
<b><i>Brinjal</i></b>	Vegetative stage		<ul style="list-style-type: none"> <li>• <i>Timely irrigation is quite essential for good growth, flowering, fruit setting and development of fruits.</i></li> <li>• <i>Frequent shallow cultivation should be done at regular intervals so as to keep the field free from weeds and to facilitate soil aeration and proper root development.</i></li> </ul>
<b><i>Naga king chilli</i></b>	Vegetative stage		<i>Proper earthing up should be done</i>
<b><i>Fruit trees</i></b>			<i>With the onset of monsoon showers, planting of fruit trees like mango, litchi, jamun etc should be done. Desirable pit size of 3ft x 3ft x 3ft may be dugged and an application of recommended doses of FYM and neem cake should be applied</i>
<b><i>Mango</i></b>		Mango hopper	<i>In mango orchard, farmers are advised for monitoring the mango hopper. Infected inflorescence should be destroyed.</i>

### ***Livestock***

<b><i>Poultry</i></b>	<ul style="list-style-type: none"> <li>• <i>Provide clean drinking water. With the onset of rainy season, chickens may encounter standing water. Drinking water from the ground can lead to the infection of pathogens and parasites. Intestinal round</i></li> </ul>
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		worms are a common problem in chickens drinking from standing water. Worm infected chickens will generally appear healthy but seem to always be hungry and eating but remain skinny for their breed
	<i>Piggery</i>	<ul style="list-style-type: none"> <li>• Animals purchased for the farm should be from disease free herds. Newly purchased animals should be isolated from the other animals in the farm for a period of three to four weeks. No visitor allowed visiting the farm.</li> </ul>
	<i>Fisheries</i>	
 <p>भारतीय ICAR</p>		<ul style="list-style-type: none"> <li>➤ Apply lime as per recommended dose depending on the pH</li> <li>➤ After 15 days of lime application, apply cow dung and wait till the pond water turns green.</li> <li>➤ Put some aquatic plant in one corner of the pond for sheltering stocked fish during high temperature.</li> </ul>

## SCIENTIFIC EXPERT COMMITTEE

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



# Integrated Agromet Advisory Service Bulletin from 10<sup>th</sup> to 14<sup>th</sup> May'17

## Mokokchung District

Bulletin No:35/2017

### *Weather summary of the preceding week*

- Light rain occurred the past week
- Maximum and minimum temperatures ranged 27<sup>o</sup>C to 29<sup>o</sup>C and 21<sup>o</sup>C to 23<sup>o</sup>C, respectively.
- Relative humidity varied from 36% to 84%.
- Wind speed ranged from 1 to 2 kmph

### *Weather forecast valid upto 14<sup>th</sup> May'17*

- Probability of light rain the coming week.
- **Max temp** is likely to be 31<sup>o</sup>C - 32<sup>o</sup>C and the **min temp** 21<sup>o</sup>C to 22<sup>o</sup>C
- **Sky is likely to be mainly cloudy** the coming week
- **Relative Humidity** is likely to range from 37% to 89%.
- **Wind speed** may reach upto 1- 2 kmph
- **Wind direction** will be southeasterly

### *Field crops*

#### *General Recommendations*

- As there is probability of light rain this week too, proper drainage should be maintained in the field and proper weeding and earthing up should be carried out.
- For successful crop rotation, non- leguminous crop should be followed by leguminous crop or vice- versa.
- Due to variable weather, farmers are advised to do constant monitoring against attack of pest and disease in vegetable crop, if symptom is observed then take protection measures as per recommendation when sky remain clear.
- Sowing of green manure crop is advised in those field where harvesting of *rabi* crop is completed. Sowing of cluster bean, daincha, etc may be done for green manure. For proper germination and growth of the crop soil should have sufficient moisture

Main Crops	Stage	Pest/ Diseases	Agro-meteorological Advisories
<i>Jhum paddy</i>	Vegetative stage	Blast	<i>Maintain field sanitation and adopt clean cultivation</i>
<i>TRC/WRC paddy</i>			<i>Crop rotation should be adopted to break the cycle between insect pests or pathogen and host plant.</i>
<i>Summer maize</i>	Vegetative stage		<i>Maintain proper drainage in the field. As there is probability of rain this week too, after weeding, earthing up should be done.</i>
<i>Green gram</i>	Vegetative stage		<i>Clean cultivation should be maintained</i>

### ***Horticultural crop***

Keeping weather in view, farmers are advised to start sowing of ginger, turmeric and large cardamom. Use well decomposed FYM and mulching with locally available dry grasses/ leaves/ straw should be done after planting

<b><i>Mandarin</i></b>			<i>To improve mandarin orchards, timely cleaning and removing of other forest trees including bamboo bushes, wild banana, plant parasites and weeds. Dead and infected branches should be pruned. In order to improve soil fertility, leguminous crops like pea, cowpea, rice bean, French bean, green gram, shallow rooted less exhaustive seasonal vegetables, papaya can be grown as intercrops.</i>
<b><i>Okra</i></b>	Flowering stage		<i>As there will be rain the coming days, proper drainage should be maintained in the field.</i>
<b><i>Potato</i></b>	Harvesting stage		<ul style="list-style-type: none"> <li><i>Harvesting of potato should be postponed due to probability of rain</i></li> </ul>
<b><i>Cucurbits</i></b>	Vegetative stage		<ul style="list-style-type: none"> <li><i>Spray <a href="#">ethrel ( plant growth regulator) @0.2 ml in 1 lt of water at 2 true leaf stage and second spray at 4 true leaf stage to increase the number of fruits.</a></i></li> </ul>
<b><i>Summer vegetables</i></b>	Vegetative stage		<ul style="list-style-type: none"> <li><i>Monitor the field for damping off and other fungal disease. Take proper measures.</i></li> </ul>
<b><i>Brinjal</i></b>	Vegetative stage		<ul style="list-style-type: none"> <li><i>Timely irrigation is quite essential for good growth, flowering, fruit setting and development of fruits.</i></li> <li><i>Frequent shallow cultivation should be done at regular intervals so as to keep the field free from weeds and to facilitate soil aeration and proper root development.</i></li> </ul>
<b><i>Naga king chilli</i></b>	Vegetative stage		<i>Proper earthing up should be done</i>
<b><i>Fruit trees</i></b>			<i>With the onset of monsoon showers, planting of fruit trees like mango, litchi, jamun etc should be done. Desirable pit size of 3ft x 3ft x 3ft may be dugged and an application of recommended doses of FYM and neem cake should be applied</i>
<b><i>Mango</i></b>		Mango hopper	<i>In mango orchard, farmers are advised for monitoring the mango hopper. Infected inflorescence should be destroyed.</i>

### ***Livestock***

<b><i>Poultry</i></b>	<ul style="list-style-type: none"> <li><i>Provide clean drinking water. With the onset of rainy season, chickens may encounter standing water. Drinking water from the ground can lead to the infection of pathogens and parasites. Intestinal round worms are a common problem in chickens drinking from standing water. Worm infected chickens will generally appear healthy but seem to always be hungry and eating but remain skinny for their breed</i></li> </ul>
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<b><i>Piggery</i></b>	<ul style="list-style-type: none"><li>● Animals purchased for the farm should be from disease free herds. Newly purchased animals should be isolated from the other animals in the farm for a period of three to four weeks. No visitor allowed visiting the farm.</li></ul>
	<b><i>Fisheries</i></b>
	<ul style="list-style-type: none"><li>➤ Apply lime as per recommended dose depending on the pH</li><li>➤ After 15 days of lime application, apply cow dung and wait till the pond water turns green.</li><li>➤ Put some aquatic plant in one corner of the pond for sheltering stocked fish during high temperature.</li></ul>

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# Integrated Agromet Advisory Service Bulletin from 10<sup>th</sup> to 14<sup>th</sup> May'17

## Mon District

Bulletin No:35/2017

### Weather summary of the preceding week

- Light rain occurred the past week
- Maximum and minimum temperatures ranged 27<sup>o</sup>C to 29<sup>o</sup>C and 20<sup>o</sup>C to 22<sup>o</sup>C, respectively.
- Relative humidity varied from 39% to 90%
- Wind speed ranged from 1 to 2 kmph

### Weather forecast valid upto 14<sup>th</sup> May'17

- Probability of light rain the coming week.
- **Max temp** is likely to be 32<sup>o</sup>C - 33<sup>o</sup>C and the **min temp** 21<sup>o</sup>C to 23<sup>o</sup>C
- **Sky is likely to be mainly cloudy** the coming week
- **Relative Humidity** is likely to range from 38% to 90%.
- **Wind speed** may reach upto 1- 2 kmph
- **Wind direction** will be mostly southeasterly

### Field crops

#### General Recommendations

- As there is probability of light rain this week too, proper drainage should be maintained in the field and proper weeding and earthing up should be carried out.
- For successful crop rotation, non- leguminous crop should be followed by leguminous crop or vice- versa.
- Due to variable weather, farmers are advised to do constant monitoring against attack of pest and disease in vegetable crop, if symptom is observed then take protection measures as per recommendation when sky remain clear.
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Main Crops	Stage	Pest/ Diseases	Agro-meteorological Advisories
<i>Jhum paddy</i>	Vegetative stage	Blast	<i>Maintain field sanitation and adopt clean cultivation</i>
<i>TRC/WRC paddy</i>			<i>Crop rotation should be adopted to break the cycle between insect pests or pathogen and host plant.</i>
<i>Summer maize</i>	Vegetative stage		<i>Maintain proper drainage in the field. As there is probability of rain this week too, after weeding, earthing up should be done.</i>
<i>Green gram</i>	Vegetative stage		<i>Clean cultivation should be maintained</i>

### ***Horticultural crop***

Keeping weather in view, farmers are advised to start sowing of ginger, turmeric and large cardamom. Use well decomposed FYM and mulching with locally available dry grasses/ leaves/ straw should be done after planting

<b><i>Mandarin</i></b>			<i>To improve mandarin orchards, timely cleaning and removing of other forest trees including bamboo bushes, wild banana, plant parasites and weeds. Dead and infected branches should be pruned. In order to improve soil fertility, leguminous crops like pea, cowpea, rice bean, French bean, green gram, shallow rooted less exhaustive seasonal vegetables, papaya can be grown as intercrops.</i>
<b><i>Okra</i></b>	Flowering stage		<i>As there will be rain the coming days, proper drainage should be maintained in the field.</i>
<b><i>Potato</i></b>	Harvesting stage		<ul style="list-style-type: none"> <li><i>Harvesting of potato should be postponed due to probability of rain</i></li> </ul>
<b><i>Cucurbits</i></b>	Vegetative stage		<ul style="list-style-type: none"> <li><i>Spray <a href="#">ethrel ( plant growth regulator) @0.2 ml in 1 lt of water at 2 true leaf stage and second spray at 4 true leaf stage to increase the number of fruits.</a></i></li> </ul>
<b><i>Summer vegetables</i></b>	Vegetative stage		<ul style="list-style-type: none"> <li><i>Monitor the field for damping off and other fungal disease. Take proper measures.</i></li> </ul>
<b><i>Brinjal</i></b>	Vegetative stage		<ul style="list-style-type: none"> <li><i>Timely irrigation is quite essential for good growth, flowering, fruit setting and development of fruits.</i></li> <li><i>Frequent shallow cultivation should be done at regular intervals so as to keep the field free from weeds and to facilitate soil aeration and proper root development.</i></li> </ul>
<b><i>Naga king chilli</i></b>	Vegetative stage		<i>Proper earthing up should be done</i>
<b><i>Fruit trees</i></b>			<i>With the onset of monsoon showers, planting of fruit trees like mango, litchi, jamun etc should be done. Desirable pit size of 3ft x 3ft x 3ft may be dugged and an application of recommended doses of FYM and neem cake should be applied</i>
<b><i>Mango</i></b>		Mango hopper	<i>In mango orchard, farmers are advised for monitoring the mango hopper. Infected inflorescence should be destroyed.</i>

### ***Livestock***

<b><i>Poultry</i></b>	<ul style="list-style-type: none"> <li><i>Provide clean drinking water. With the onset of rainy season, chickens may encounter standing water. Drinking water from the ground can lead to the infection of pathogens and parasites. Intestinal round worms are a common problem in chickens drinking from standing water. Worm infected chickens will generally appear healthy but seem to always be hungry and eating but remain skinny for their breed</i></li> </ul>
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	<i>Piggery</i>	<ul style="list-style-type: none"> <li>• Animals purchased for the farm should be from disease free herds. Newly purchased animals should be isolated from the other animals in the farm for a period of three to four weeks. No visitor allowed visiting the farm.</li> </ul>
	<i>Fisheries</i>	
 <p>हिचअर ICAR</p>		<ul style="list-style-type: none"> <li>➤ Apply lime as per recommended dose depending on the pH</li> <li>➤ After 15 days of lime application, apply cow dung and wait till the pond water turns green.</li> <li>➤ Put some aquatic plant in one corner of the pond for sheltering stocked fish during high temperature.</li> </ul>

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