



# Integrated Agromet Advisory Service Bulletin from 11<sup>th</sup> to 15<sup>th</sup> Oct'17 Dimapur District

Bulletin No:79/2017

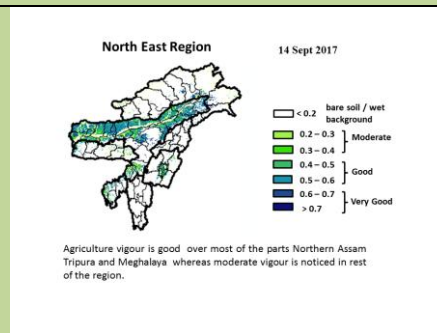
## Weather summary of the preceding week

- Light rain occurred the past week
- Maximum and minimum temperatures ranged 29<sup>0</sup>C to 34<sup>0</sup>C and 24<sup>0</sup>C to 26<sup>0</sup>C, respectively.
- Relative humidity varied from 57% to 95%.
- Wind speed ranged from 1 to 2 kmph

## Weather forecast valid upto 11<sup>th</sup> Oct'17

- Probability of light rain the coming week.
- **Max temp** is likely to be 32<sup>0</sup>C - 34<sup>0</sup>C and the **min temp** 23<sup>0</sup>C to 24<sup>0</sup>C
- **Sky is likely to be mainly cloudy** the coming week
- **Relative Humidity** is likely to range from 59% to 92%.
- **Wind speed** may reach upto 2- 4 kmph  
**Wind direction** will be mostly southeasterly

- NDVI for Nagaland





Moderate wet conditions

## Field crops

Main Crops	Stage	Pest/ Diseases	Agro-meteorological Advisories
<i>Jhum paddy</i>	Harvesting stage		<i>During sunny days harvest the early and early medium duration varieties when 80% of the grains matured in a panicle. Harvest, process, dry and pack different paddy varieties separately without mixing for better price for their produce</i>
<i>TRC/WRC paddy</i>	Dough development stage	Brown spot, blast	<i>Destroy the infested residue, stubbles, grass and weeds present in the bunds of the field as they act as a source for the infection For rice blast management, destroy the infested residue, stubbles, grass and weeds present in the bunds of the field as they act as a source for the infection.</i>
<i>Toria</i>	Land preparation	-	<i>Field preparation should be started for toria and arrangement for quality seeds should be done. M-27, TS-36 and TS-38 are some of the varieties recommended for our region</i>
<i>Rabi maize</i>	Land preparation		<i>Land preparation should be started for rabi maize. It can be grown in all types of soils having adequate provision of drainage. Field should be ploughed properly so as to expose the pupae of red hairy caterpillar. Sow certified seeds from a reliable source to prevent seed rot and seedling blight. If one wants to use his</i>

				own seed, seed treatment is a must. Some of the varieties recommended for our region are HQPM-1, Allrounder and RCM-76.
	<b>Groundnut</b>	Maturity stage		
	<p style="text-align: center;"><b>Horticultural crop</b></p> <p style="text-align: center;">Timely weeding and earthing up should be done</p>			
	<b>Citrus</b>			During this month, Bordeaux paste should be applied on tree trunk of citrus up to 60cm height from ground level. To kill the trunk borer grubs, clean the bored holes of the infested trunk with iron wire and insert a cotton swab soaked in petrol or kerosene and plug with mud.
	<b>Vegetables</b>			<p>Nursery preparation should be started for vegetables like cabbage, cauliflower, knolkhol, broccoli, radish, tomato and arrangement for quality seeds should be done.</p> <p>Suitable varieties for our region:</p> <ol style="list-style-type: none"> <li>1. Cabbage – Green express (Hybrid), Rareball (Hybrid), Pride of India (OP).</li> <li>2. Broccoli – Pushpa, princess.</li> <li>3. Tomato – Pusa ruby, Arka vikash, Punjab swari.</li> <li>4. Knolkhol – White Vienna.</li> <li>5. Radish – Japanese white, Pusa chetki.</li> <li>6. Pea – Arkel</li> </ol>
	<b>Cucurbits</b>	Harvesting stage		Harvest the cucurbits at proper maturity stage depending upon its use. Over matured fruits become fibrous and immature fruits are tender and have short shelf life
	<b>Brinjal</b>	Maturity stage		Timely weeding and earthing up should be done.
			Wilt	Remove and destroy the affected plant Proper drainage should be maintained in the field
	<b>Naga king chilli</b>	Fruiting to harvesting stage		Timely weeding and earthing up should be done Daily monitoring should be done for insect pest and need based neem oil should be spray
	<b>Fruit trees</b>			Maintain proper sanitation in and around the vicinity of the tree Prune trees immediately after harvesting. Grow seasonal crops in inter spaces.
	<b>Ginger / turmeric</b>	Vegetative stage		Timely monitor the disease in ginger field. For aphids and whiteflies, spray neem oil @5ml/litre of water
<p style="text-align: center;"><b>Livestock</b></p> <p style="text-align: center;">Vaccination of animals should be done against out-break of major diseases. Provide clean and cool drinking water to the animals</p>				

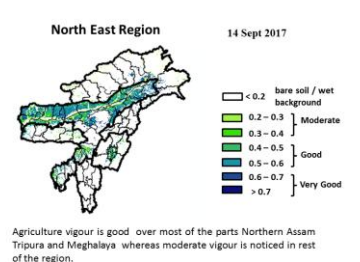
	<b><i>Poultry</i></b>	<ul style="list-style-type: none"> <li>• Provide glucose/electral along with vitamin supplements (@5- 6ml/100 birds) with adequate potable water</li> <li>• Vaccinate against prevalent disease like Ranikhet disease and deworm every two months for backyard and intensive system both.</li> <li>• Avoid over crowding</li> </ul>
	<b><i>Piggery</i></b>	<ul style="list-style-type: none"> <li>• Continue routine deworming of piglets at 5-6 months interval</li> <li>• Continue injection of iron for piglets at 4<sup>th</sup> and 14<sup>th</sup> day</li> <li>• Regularly disinfect the floors and walls at frequent intervals with suitable disinfectant (KMnO<sub>4</sub>). Daily inspection early in the morning should be done for any abnormal behaviour. Observe their general stage of health, check for parasites and injuries, and watch out for any abnormal feeding habits Examine the animals for maggot infestation and ectoparasites and use suitable control measures</li> <li>• Check for signs of any disease like CSF, FMD etc and immediately consult a veterinary practitioner</li> </ul>
	<b><i>Fisheries</i></b>	
		<p>Do take care of your pond every day when you take food to your fish, make sure the pond remains full of water, do not let weeds cover more than one quarter of the surface. If there are too many weeds, clean your pond. Take the advice of experts and information from mass media</p>

## SCIENTIFIC EXPERT COMMITTEE


Sl.no	Name	Designation	Department	
1	Dr.D.J. Rajkhowa	Principle Scientist	Agronomy	djrajkhowa@gmail.com
2	Dr. L.K. Baishya	Senior Scientist	Agronomy	lkbicar@gmail.com
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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 11<sup>th</sup> to 15<sup>th</sup> Oct'17 Kiphire District

Bulletin No:79/2017

Weather summary of the preceding week			Weather forecast valid upto 11 <sup>th</sup> Oct'17
<ul style="list-style-type: none"> <li>Light rain occurred the past week</li> <li>Maximum and minimum temperatures ranged 28<sup>0</sup>C to 30<sup>0</sup>C and 20<sup>0</sup>C to 22<sup>0</sup>C, respectively.</li> <li>Relative humidity varied from 64% to 94%.</li> <li>Wind speed ranged from 1 to 2 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 32<sup>0</sup>C - 33<sup>0</sup>C and the <b>min temp</b> 22<sup>0</sup>C to 24<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 53% to 92%.</li> <li><b>Wind speed</b> may reach upto 1- 2 kmph</li> <li><b>Wind direction</b> will be southeasterly</li> </ul>
<ul style="list-style-type: none"> <li>NDVI for Nagaland</li> </ul>			 <p>Moderate wet conditions</p>
Field crops			
Main Crops	Stage	Pest/ Diseases	Agro-meteorological Advisories
<i>Jhum paddy</i>	Harvesting stage		<i>During sunny days harvest the early and early medium duration varieties when 80% of the grains matured in a panicle. Harvest, process, dry and pack different paddy varieties separately without mixing for better price for their produce</i>
<i>TRC/WRC paddy</i>	Dough development stage	Brown spot, blast	<i>Destroy the infested residue, stubbles, grass and weeds present in the bunds of the field as they act as a source for the infection For rice blast management, destroy the infested residue, stubbles, grass and weeds present in the bunds of the field as they act as a source for the infection.</i>
<i>Toria</i>	Land preparation	-	<i>Field preparation should be started for toria and arrangement for quality seeds should be done. M-27, TS-36 and TS-38 are some of the varieties recommended for our region</i>
<i>Rabi maize</i>	Land preparation		<i>Land preparation should be started for rabi maize. It can be grown in all types of soils having adequate provision of drainage. Field should be ploughed properly so as to expose the pupae of red hairy caterpillar. Sow certified seeds from a reliable source to prevent seed rot and seedling blight. If one wants to use his own seed, seed treatment is a must.</i>

			<i>Some of the varieties recommended for our region are HQPM-1, Allrounder and RCM-76.</i>
<b>Groundnut</b>	Maturity stage		
<p style="text-align: center;"><b>Horticultural crop</b></p> <p style="text-align: center;">Timely weeding and earthing up should be done</p>			
<b>Citrus</b>			<i>During this month, Bordeaux paste should be applied on tree trunk of citrus up to 60cm height from ground level. To kill the trunk borer grubs, clean the bored holes of the infested trunk with iron wire and insert a cotton swab soaked in petrol or kerosene and plug with mud.</i>
<b>Vegetables</b>			<i>Nursery preparation should be started for vegetables like cabbage, cauliflower, knolkhol, broccoli, radish, tomato and arrangement for quality seeds should be done.</i> <p style="text-align: center;"><i>Suitable varieties for our region:</i></p> <ol style="list-style-type: none"> <li><i>1. Cabbage – Green express (Hybrid), Rareball (Hybrid), Pride of India (OP).</i></li> <li><i>2. Broccoli – Pushpa, princess.</i></li> <li><i>3. Tomato – Pusa ruby, Arka vikash, Punjab swari.</i></li> <li><i>4. Knolkhol – White Vienna.</i></li> <li><i>5. Radish – Japanese white, Pusa chetki.</i></li> <li><i>6. Pea – Arkel</i></li> </ol>
<b>Cucurbits</b>	Harvesting stage		<i>Harvest the cucurbits at proper maturity stage depending upon its use. Over matured fruits become fibrous and immature fruits are tender and have short shelf life</i>
<b>Brinjal</b>	Maturity stage		<i>Timely weeding and earthing up should be done.</i>
		Wilt	<i>Remove and destroy the affected plant</i> <p style="text-align: center;"><i>➤ Proper drainage should be maintained in the field</i></p>
<b>Naga king chilli</b>	Fruiting to harvesting stage		<i>Timely weeding and earthing up should be done</i> <i>Daily monitoring should be done for insect pest and need based neem oil should be spray</i>
<b>Fruit trees</b>			<i>Maintain proper sanitation in and around the vicinity of the tree</i> <i>Prune trees immediately after harvesting. Grow seasonal crops in inter spaces.</i>
<b>Ginger / turmeric</b>	Vegetative stage		<i>Timely monitor the disease in ginger field. For aphids and whiteflies, spray neem oil @5ml/litre of water</i>
<p style="text-align: center;"><b>Livestock</b></p> <p style="text-align: center;">Vaccination of animals should be done against out-break of major diseases. Provide clean and cool drinking water to the animals</p>			

	<b>Poultry</b>	<ul style="list-style-type: none"> <li>• Provide glucose/electral along with vitamin supplements (@5- 6ml/100 birds) with adequate potable water</li> <li>• Vaccinate against prevalent disease like Ranikhet disease and deworm every two months for backyard and intensive system both.</li> <li>• Avoid over crowding</li> </ul>
	<b>Piggery</b>	<ul style="list-style-type: none"> <li>• Continue routine deworming of piglets at 5-6 months interval</li> <li>• Continue injection of iron for piglets at 4<sup>th</sup> and 14<sup>th</sup> day</li> <li>• Regularly disinfect the floors and walls at frequent intervals with suitable disinfectant (KMnO<sub>4</sub>). Daily inspection early in the morning should be done for any abnormal behaviour. Observe their general stage of health, check for parasites and injuries, and watch out for any abnormal feeding habits Examine the animals for maggot infestation and ectoparasites and use suitable control measures</li> <li>• Check for signs of any disease like CSF, FMD etc and immediately consult a veterinary practitioner</li> </ul>
<b>Fisheries</b>		
		Do take care of your pond every day when you take food to your fish, make sure the pond remains full of water, do not let weeds cover more than one quarter of the surface. If there are too many weeds, clean your pond. Take the advice of experts and information from mass media

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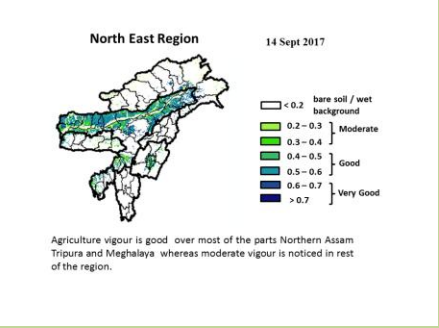





# Integrated Agromet Advisory Service Bulletin from 11<sup>th</sup> to 15<sup>th</sup> Oct'17

## Kohima District

Bulletin No:79/2017

Weather summary of the preceding week			Weather forecast valid upto 11 <sup>th</sup> Oct'17
<ul style="list-style-type: none"> <li>Light rain occurred the past week</li> <li>Maximum and minimum temperatures ranged 25<sup>o</sup>C to 27<sup>o</sup>C and 16<sup>o</sup>C to 18<sup>o</sup>C, respectively.</li> <li>Relative humidity varied from 62% to 95%.</li> <li>Wind speed ranged from 1 to 2 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 26<sup>o</sup>C - 27<sup>o</sup>C and the <b>min temp</b> 17<sup>o</sup>C to 19<sup>o</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 49% to 96%.</li> <li><b>Wind speed</b> may reach upto 1- 2 kmph</li> <li><b>Wind direction</b> will be mostly easterly</li> </ul>
<ul style="list-style-type: none"> <li>NDVI for Nagaland</li> </ul>			 <p>Moderate wet conditions</p>
Field crops			
Main Crops	Stage	Pest/ Diseases	Agro-meteorological Advisories
<i>Jhum paddy</i>	Harvesting stage		<i>During sunny days harvest the early and early medium duration varieties when 80% of the grains matured in a panicle. Harvest, process, dry and pack different paddy varieties separately without mixing for better price for their produce</i>
<i>TRC/WRC paddy</i>	Dough development stage	Brown spot, blast	<i>Destroy the infested residue, stubbles, grass and weeds present in the bunds of the field as they act as a source for the infection For rice blast management, destroy the infested residue, stubbles, grass and weeds present in the bunds of the field as they act as a source for the infection.</i>
<i>Toria</i>	Land preparation	-	<i>Field preparation should be started for <b>toria</b> and arrangement for quality seeds should be done. M-27, TS-36 and TS-38 are some of the varieties recommended for our region</i>

	<b>Rabi maize</b>	Land preparation		<i>Land preparation should be started for rabi maize. It can be grown in all types of soils having adequate provision of drainage. Field should be ploughed properly so as to expose the pupae of red hairy caterpillar. Sow certified seeds from a reliable source to prevent seed rot and seedling blight. If one wants to use his own seed, seed treatment is a must. Some of the varieties recommended for our region are HQPM-1, Allrounder and RCM-76.</i>
	<b>Groundnut</b>	Maturity stage		
<p style="text-align: center;"><b>Horticultural crop</b> Timely weeding and earthing up should be done</p>				
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	<b>Cucurbits</b>	Harvesting stage		<i>Harvest the cucurbits at proper maturity stage depending upon its use. Over matured fruits become fibrous and immature fruits are tender and have short shelf life</i>
	<b>Brinjal</b>	Maturity stage		<i>Timely weeding and earthing up should be done.</i>
			Wilt	<i>Remove and destroy the affected plant Proper drainage should be maintained in the field</i>
	<b>Naga king chilli</b>	Fruiting to harvesting stage		<i>Timely weeding and earthing up should be done Daily monitoring should be done for insect pest and need based neem oil should be spray</i>
	<b>Fruit trees</b>			<i>Maintain proper sanitation in and around the vicinity of the tree Prune trees immediately after harvesting. Grow seasonal crops in inter</i>

				spaces.
	<b>Ginger / turmeric</b>	Vegetative stage		Timely monitor the disease in ginger field. For aphids and whiteflies, spray neem oil @5ml/litre of water
	<p style="text-align: center;"><b>Livestock</b></p> <p>Vaccination of animals should be done against out-break of major diseases. Provide clean and cool drinking water to the animals</p>			
	<b>Poultry</b>	<ul style="list-style-type: none"> <li>• Provide glucose/electral along with vitamin supplements (@5- 6ml/100 birds) with adequate potable water</li> <li>• Vaccinate against prevalent disease like Ranikhet disease and deworm every two months for backyard and intensive system both.</li> <li>• Avoid over crowding</li> </ul>		
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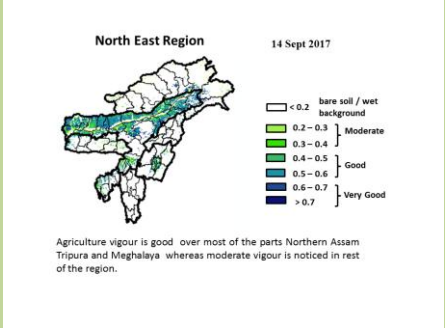
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8	Aabon W Yanthan	Scientist	Vegetable Science	aabon.iari@gmail.com




# Integrated Agromet Advisory Service Bulletin from 11<sup>th</sup> to 15<sup>th</sup> Oct'17

## Longleng District

Bulletin No:79/2017

Weather summary of the preceding week			Weather forecast valid upto 11 <sup>th</sup> Oct'17
<ul style="list-style-type: none"> <li>Light rain occurred the past week</li> <li>Maximum and minimum temperatures ranged 30<sup>0</sup>C to 31<sup>0</sup>C and 17<sup>0</sup>C to 20<sup>0</sup>C, respectively.</li> <li>Relative humidity varied from 65% to 95%.</li> <li>Wind speed ranged from 1 to 2 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 32<sup>0</sup>C - 33<sup>0</sup>C and the <b>min temp</b> 22<sup>0</sup>C to 24<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 58% to 90%.</li> <li><b>Wind speed</b> may reach upto 1- 2 kmph</li> <li><b>Wind direction</b> will be southeasterly</li> </ul>
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Field crops			
Main Crops	Stage	Pest/ Diseases	Agro-meteorological Advisories
Jhum paddy	Harvesting stage		During sunny days harvest the early and early medium duration varieties when 80% of the grains matured in a panicle. Harvest, process, dry and pack different paddy varieties separately without mixing for better price for their produce
TRC/WRC paddy	Dough development stage	Brown spot, blast	Destroy the infested residue, stubbles, grass and weeds present in the bunds of the field as they act as a source for the infection For rice blast management, destroy the infested residue, stubbles, grass and weeds present in the bunds of the field as they act as a source for the infection.
Toria	Land preparation	-	Field preparation should be started for toria and arrangement for quality seeds should be done. M-27, TS-36 and TS-38 are some of the varieties recommended for our region

	<b>Rabi maize</b>	Land preparation		<p><i>Land preparation should be started for rabi maize. It can be grown in all types of soils having adequate provision of drainage. Field should be ploughed properly so as to expose the pupae of red hairy caterpillar. Sow certified seeds from a reliable source to prevent seed rot and seedling blight. If one wants to use his own seed, seed treatment is a must.</i></p> <p><i>Some of the varieties recommended for our region are HQPM-1, Allrounder and RCM-76.</i></p>
	<b>Groundnut</b>	Maturity stage		
	<p style="text-align: center;"><b>Horticultural crop</b></p> <p style="text-align: center;">Timely weeding and earthing up should be done</p>			
	<b>Citrus</b>			<p><i>During this month, Bordeaux paste should be applied on tree trunk of citrus up to 60cm height from ground level. To kill the trunk borer grubs, clean the bored holes of the infested trunk with iron wire and insert a cotton swab soaked in petrol or kerosene and plug with mud.</i></p>
	<b>Vegetables</b>			<p><i>Nursery preparation should be started for vegetables like cabbage, cauliflower, knolkhol, broccoli, radish, tomato and arrangement for quality seeds should be done.</i></p> <p><i>Suitable varieties for our region:</i></p> <ol style="list-style-type: none"> <li><i>1. Cabbage – Green express (Hybrid), Rareball (Hybrid), Pride of India (OP).</i></li> <li><i>2. Broccoli – Pushpa, princess.</i></li> <li><i>3. Tomato – Pusa ruby, Arka vikash, Punjab swari.</i></li> <li><i>4. Knolkhol – White Vienna.</i></li> <li><i>5. Radish – Japanese white, Pusa chetki.</i></li> <li><i>6. Pea – Arkel</i></li> </ol>
	<b>Cucurbits</b>	Harvesting stage		<p><i>Harvest the cucurbits at proper maturity stage depending upon its use. Over matured fruits become fibrous and immature fruits are tender and have short shelf life</i></p>
	<b>Brinjal</b>	Maturity stage		<i>Timely weeding and earthing up should be done.</i>
			Wilt	<p><i>Remove and destroy the affected plant</i></p> <p>➤ <i>Proper drainage should be maintained in the field</i></p>
	<b>Naga king chilli</b>	Fruiting to harvesting stage		<p><i>Timely weeding and earthing up should be done</i></p> <p><i>Daily monitoring should be done for insect pest and need based neem oil should be spray</i></p>
	<b>Fruit trees</b>			<i>Maintain proper sanitation in and around the vicinity of the tree</i>

				<i>Prune trees immediately after harvesting. Grow seasonal crops in inter spaces.</i>
	<b>Ginger / turmeric</b>	Vegetative stage		<i>Timely monitor the disease in ginger field. For aphids and whiteflies, spray neem oil @5ml/litre of water</i>
	<b>Livestock</b>			
	Vaccination of animals should be done against out-break of major diseases. Provide clean and cool drinking water to the animals			
	<b>Poultry</b>	<ul style="list-style-type: none"><li>• Provide glucose/electral along with vitamin supplements (@5- 6ml/100 birds) with adequate potable water</li><li>• Vaccinate against prevalent disease like Ranikhet disease and deworm every two months for backyard and intensive system both.</li><li>• Avoid over crowding</li></ul>		
	<b>Piggery</b>	<ul style="list-style-type: none"><li>• Continue routine deworming of piglets at 5-6 months interval</li><li>• Continue injection of iron for piglets at 4<sup>th</sup> and 14<sup>th</sup> day</li><li>• Regularly disinfect the floors and walls at frequent intervals with suitable disinfectant (KMnO4). Daily inspection early in the morning should be done for any abnormal behaviour. Observe their general stage of health, check for parasites and injuries, and watch out for any abnormal feeding habits. Examine the animals for maggot infestation and ectoparasites and use suitable control measures</li><li>• Check for signs of any disease like CSF, FMD etc and immediately consult a veterinary practitioner</li></ul>		
	<b>Fisheries</b>			
		Do take care of your pond every day when you take food to your fish, make sure the pond remains full of water, do not let weeds cover more than one quarter of the surface. If there are too many weeds, clean your pond. Take the advice of experts and information from mass media		

## SCIENTIFIC EXPERT COMMITTEE

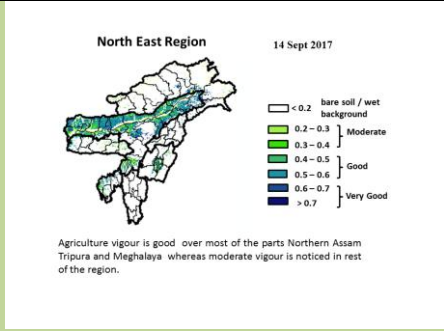
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7	Jyotish Barman	Scientist	Fisheries Resource Management	jyotish5@gmail.com
8	Aabon W Yanthan	Scientist	Vegetable Science	aabon.iari@gmail.com




# Integrated Agromet Advisory Service Bulletin from 11<sup>th</sup> to 15<sup>th</sup> Oct'17

## Mokokchung District

Bulletin No:79/2017

Weather summary of the preceding week		Weather forecast valid upto 11 <sup>th</sup> Oct'17	
<ul style="list-style-type: none"><li>▪ Light rain occurred the past week</li><li>▪ Maximum and minimum temperatures ranged 28<sup>0</sup>C to 30<sup>0</sup>C and 21<sup>0</sup>C to 23<sup>0</sup>C, respectively.</li><li>▪ Relative humidity varied from 61% to 94%.</li><li>▪ Wind speed ranged from 1 to 2 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 29<sup>0</sup>C - 31<sup>0</sup>C and the <b>min temp</b> 19<sup>0</sup>C to 20<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 57% to 90%.</li><li>▪ <b>Wind speed</b> may reach upto 1- 2 kmph</li><li>▪ <b>Wind direction</b> will be southeasterly</li></ul>	
▪ NDVI for Nagaland		<div></div> <p>Moderate wet conditions</p>	
Field crops			
Main Crops	Stage	Pest/ Diseases	Agro-meteorological Advisories
Jhum paddy	Harvesting stage		<i>During sunny days harvest the early and early medium duration varieties when 80% of the grains matured in a panicle. Harvest, process, dry and pack different paddy varieties separately without mixing for better price for their produce</i>
TRC/WRC paddy	Dough development stage	Brown spot, blast	<i>Destroy the infested residue, stubbles, grass and weeds present in the bunds of the field as they act as a source for the infection For rice blast management, destroy the infested residue, stubbles, grass and weeds present in the bunds of the field as they act as a source for the infection.</i>
Toria	Land preparation	-	<i>Field preparation should be started for <b>toria</b> and arrangement for quality seeds should be done. M-27, TS-36 and TS-38 are some of the varieties recommended for our region</i>
Rabi maize	Land preparation		<i>Land preparation should be started for rabi maize. It can be grown in all types of soils having adequate provision of drainage. Field should be ploughed properly so as to expose the pupae of red hairy caterpillar. Sow certified seeds</i>

			<p>from a reliable source to prevent seed rot and seedling blight. If one wants to use his own seed, seed treatment is a must.</p> <p>Some of the varieties recommended for our region are HQPM-1, Allrounder and RCM-76.</p>
<b>Groundnut</b>	Maturity stage		
<p style="text-align: center;"><b>Horticultural crop</b></p> <p style="text-align: center;">Timely weeding and earthing up should be done</p>			
<b>Citrus</b>			<p>During this month, Bordeaux paste should be applied on tree trunk of citrus up to 60cm height from ground level. To kill the trunk borer grubs, clean the bored holes of the infested trunk with iron wire and insert a cotton swab soaked in petrol or kerosene and plug with mud.</p>
<b>Vegetables</b>			<p>Nursery preparation should be started for vegetables like cabbage, cauliflower, knolkhol, broccoli, radish, tomato and arrangement for quality seeds should be done.</p> <p>Suitable varieties for our region:</p> <ol style="list-style-type: none"> <li>1. Cabbage – Green express (Hybrid), Rareball (Hybrid), Pride of India (OP).</li> <li>2. Broccoli – Pushpa, princess.</li> <li>3. Tomato – Pusa ruby, Arka vikash, Punjab swari.</li> <li>4. Knolkhol – White Vienna.</li> <li>5. Radish – Japanese white, Pusa chetki.</li> <li>6. Pea – Arkel</li> </ol>
<b>Cucurbits</b>	Harvesting stage		<p>Harvest the cucurbits at proper maturity stage depending upon its use. Over matured fruits become fibrous and immature fruits are tender and have short shelf life</p>
<b>Brinjal</b>	Maturity stage		<p>Timely weeding and earthing up should be done.</p>
		Wilt	<p>Remove and destroy the affected plant</p> <p>➤ Proper drainage should be maintained in the field</p>
<b>Naga king chilli</b>	Fruiting to harvesting stage		<p>Timely weeding and earthing up should be done</p> <p>Daily monitoring should be done for insect pest and need based neem oil should be spray</p>
<b>Fruit trees</b>			<p>Maintain proper sanitation in and around the vicinity of the tree</p> <p>Prune trees immediately after harvesting. Grow seasonal crops in inter spaces.</p>
<b>Ginger / turmeric</b>	Vegetative stage		<p>Timely monitor the disease in ginger field. For aphids and whiteflies, spray neem oil @5ml/litre of water</p>
<p style="text-align: center;"><b>Livestock</b></p> <p>Vaccination of animals should be done against out-break of major diseases. Provide clean and cool drinking water to the animals</p>			

	<b>Poultry</b>	<ul style="list-style-type: none"> <li>• Provide glucose/electrol along with vitamin supplements (@5- 6ml/100 birds) with adequate potable water</li> <li>• Vaccinate against prevalent disease like Ranikhet disease and deworm every two months for backyard and intensive system both.</li> <li>• Avoid over crowding</li> </ul>
	<b>Piggery</b>	<ul style="list-style-type: none"> <li>• Continue routine deworming of piglets at 5-6 months interval</li> <li>• Continue injection of iron for piglets at 4<sup>th</sup> and 14<sup>th</sup> day</li> <li>• Regularly disinfect the floors and walls at frequent intervals with suitable disinfectant (KMnO<sub>4</sub>). Daily inspection early in the morning should be done for any abnormal behaviour. Observe their general stage of health, check for parasites and injuries, and watch out for any abnormal feeding habits Examine the animals for maggot infestation and ectoparasites and use suitable control measures</li> <li>• Check for signs of any disease like CSF, FMD etc and immediately consult a veterinary practitioner</li> </ul>
	<b>Fisheries</b>	
		Do take care of your pond every day when you take food to your fish, make sure the pond remains full of water, do not let weeds cover more than one quarter of the surface. If there are too many weeds, clean your pond. Take the advice of experts and information from mass media

## SCIENTIFIC EXPERT COMMITTEE

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# Integrated Agromet Advisory Service Bulletin from 11<sup>th</sup> to 15<sup>th</sup> Oct'17

## Mon District

Bulletin No:79/2017

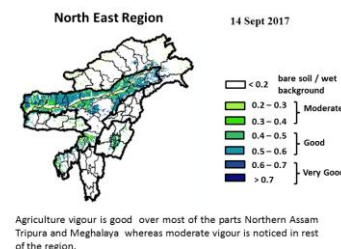
### Weather summary of the preceding week

- Light rain occurred the past week
- Maximum and minimum temperatures ranged 27°C to 29°C and 20°C to 22°C, respectively.
- Relative humidity varied from 71% to 95%
- Wind speed ranged from 1 to 2 kmph

- NDVI for Nagaland

### Weather forecast valid upto 11<sup>th</sup> Oct'17

- Probability of light rain the coming week.
- Max temp** is likely to be 28°C - 30°C and the **min temp** 18°C to 19°C
- Sky is likely to be mainly cloudy** the coming week
- Relative Humidity** is likely to range from 58% to 95%.
- Wind speed** may reach upto 1- 2 kmph
- Wind direction** will be southeasterly




Moderate wet conditions

### Field crops

Main Crops	Stage	Pest/ Diseases	Agro-meteorological Advisories
<b>Jhum paddy</b>	Harvesting stage		<i>During sunny days harvest the early and early medium duration varieties when 80% of the grains matured in a panicle. Harvest, process, dry and pack different paddy varieties separately without mixing for better price for their produce</i>
<b>TRC/WRC paddy</b>	Dough development stage	Brown spot, blast	<i>Destroy the infested residue, stubbles, grass and weeds present in the bunds of the field as they act as a source for the infection For rice blast management, destroy the infested residue, stubbles, grass and weeds present in the bunds of the field as they act as a source for the infection.</i>
<b>Toria</b>	Land preparation	-	<i>Field preparation should be started for toria and arrangement for quality seeds should be done. M-27, TS-36 and TS-38 are some of the varieties recommended for our region</i>
<b>Rabi maize</b>	Land preparation		<i>Land preparation should be started for rabi maize. It can be grown in all types of soils having adequate provision of drainage. Field should be</i>

			<p>ploughed properly so as to expose the pupae of red hairy caterpillar. Sow certified seeds from a reliable source to prevent seed rot and seedling blight. If one wants to use his own seed, seed treatment is a must. Some of the varieties recommended for our region are HQPM-1, Allrounder and RCM-76.</p>
<b>Groundnut</b>	Maturity stage		
<p style="text-align: center;"><b>Horticultural crop</b> Timely weeding and earthing up should be done</p>			
<b>Citrus</b>			<p>During this month, Bordeaux paste should be applied on tree trunk of citrus up to 60cm height from ground level. To kill the trunk borer grubs, clean the bored holes of the infested trunk with iron wire and insert a cotton swab soaked in petrol or kerosene and plug with mud.</p>
<b>Vegetables</b>			<p>Nursery preparation should be started for vegetables like cabbage, cauliflower, knolkhol, broccoli, radish, tomato and arrangement for quality seeds should be done.</p> <p>Suitable varieties for our region:</p> <ol style="list-style-type: none"> <li>1. Cabbage – Green express (Hybrid), Rareball (Hybrid), Pride of India (OP).</li> <li>2. Broccoli – Pushpa, princess.</li> <li>3. Tomato – Pusa ruby, Arka vikash, Punjab swari.</li> <li>4. Knolkhol – White Vienna.</li> <li>5. Radish – Japanese white, Pusa chetki.</li> <li>6. Pea – Arkel</li> </ol>
<b>Cucurbits</b>	Harvesting stage		<p>Harvest the cucurbits at proper maturity stage depending upon its use. Over matured fruits become fibrous and immature fruits are tender and have short shelf life</p>
<b>Brinjal</b>	Maturity stage		Timely weeding and earthing up should be done.
		Wilt	<p>Remove and destroy the affected plant</p> <p>➤ Proper drainage should be maintained in the field</p>
<b>Naga king chilli</b>	Fruiting to harvesting stage		<p>Timely weeding and earthing up should be done</p> <p>Daily monitoring should be done for insect pest and need based neem oil should be spray</p>
<b>Fruit trees</b>			<p>Maintain proper sanitation in and around the vicinity of the tree</p> <p>Prune trees immediately after harvesting. Grow seasonal crops in inter spaces.</p>
<b>Ginger / turmeric</b>	Vegetative stage		<p>Timely monitor the disease in ginger field. For aphids and whiteflies, spray neem oil @5ml/litre of water</p>
<p style="text-align: center;"><b>Livestock</b></p>			

	Vaccination of animals should be done against out-break of major diseases. Provide clean and cool drinking water to the animals	
	<b>Poultry</b>	<ul style="list-style-type: none"><li>• Provide glucose/electral along with vitamin supplements (@5- 6ml/100 birds) with adequate potable water</li><li>• Vaccinate against prevalent disease like Ranikhet disease and deworm every two months for backyard and intensive system both.</li><li>• Avoid over crowding</li></ul>
	<b>Piggery</b>	<ul style="list-style-type: none"><li>• Continue routine deworming of piglets at 5-6 months interval</li><li>• Continue injection of iron for piglets at 4<sup>th</sup> and 14<sup>th</sup> day</li><li>• Regularly disinfect the floors and walls at frequent intervals with suitable disinfectant (KMnO4). Daily inspection early in the morning should be done for any abnormal behaviour. Observe their general stage of health, check for parasites and injuries, and watch out for any abnormal feeding habits. Examine the animals for maggot infestation and ectoparasites and use suitable control measures</li><li>• Check for signs of any disease like CSF, FMD etc and immediately consult a veterinary practitioner</li></ul>
	<b>Fisheries</b>	
		Do take care of your pond every day when you take food to your fish, make sure the pond remains full of water, do not let weeds cover more than one quarter of the surface. If there are too many weeds, clean your pond. Take the advice of experts and information from mass media

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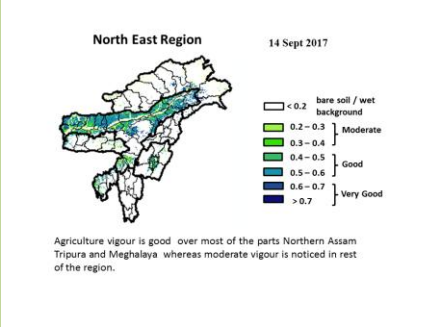





# Integrated Agromet Advisory Service Bulletin from 11<sup>th</sup> to 15<sup>th</sup> Oct'17

## Peren District

Bulletin No:79/2017

Weather summary of the preceding week			Weather forecast valid upto 11 <sup>th</sup> Oct'17
<ul style="list-style-type: none"> <li>Light rain occurred the past week</li> <li>Maximum and minimum temperatures ranged 28<sup>0</sup>C to 30<sup>0</sup>C and 19<sup>0</sup>C to 21<sup>0</sup>C, respectively.</li> <li>Relative humidity varied from 60% to 95%.</li> <li>Wind speed ranged from 2 to 3 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 32<sup>0</sup>C - 33<sup>0</sup>C and the <b>min temp</b> 22<sup>0</sup>C to 24<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 51% to 94%.</li> <li><b>Wind speed</b> may reach upto 2- 3 kmph</li> <li><b>Wind direction</b> will be mostly easterly</li> </ul>
<ul style="list-style-type: none"> <li>NDVI for Nagaland</li> </ul>			 <p>Moderate wet conditions</p>
Field crops			
Main Crops	Stage	Pest/ Diseases	Agro-meteorological Advisories
Jhum paddy	Harvesting stage		During sunny days harvest the early and early medium duration varieties when 80% of the grains matured in a panicle. Harvest, process, dry and pack different paddy varieties separately without mixing for better price for their produce
TRC/WRC paddy	Dough development stage	Brown spot, blast	Destroy the infested residue, stubbles, grass and weeds present in the bunds of the field as they act as a source for the infection For rice blast management, destroy the infested residue, stubbles, grass and weeds present in the bunds of the field as they act as a source for the infection.
Toria	Land preparation	-	Field preparation should be started for <b>toria</b> and arrangement for quality seeds should be done. M-27, TS-36 and TS-38 are some of the varieties recommended for our region
Rabi maize	Land preparation		Land preparation should be started for rabi maize. It can be grown in all types of soils having adequate provision of drainage. Field should be ploughed properly so as to expose the pupae of red hairy caterpillar. Sow

			<p><i>certified seeds from a reliable source to prevent seed rot and seedling blight. If one wants to use his own seed, seed treatment is a must.</i></p> <p><i>Some of the varieties recommended for our region are HQPM-1, Allrounder and RCM-76.</i></p>
<b>Groundnut</b>	Maturity stage		
<p style="text-align: center;"><b><i>Horticultural crop</i></b></p> <p style="text-align: center;">Timely weeding and earthing up should be done</p>			
<b>Citrus</b>			<p><i>During this month, Bordeaux paste should be applied on tree trunk of citrus up to 60cm height from ground level. To kill the trunk borer grubs, clean the bored holes of the infested trunk with iron wire and insert a cotton swab soaked in petrol or kerosene and plug with mud.</i></p>
<b>Vegetables</b>			<p><i>Nursery preparation should be started for vegetables like cabbage, cauliflower, knolkhol, broccoli, radish, tomato and arrangement for quality seeds should be done.</i></p> <p><i>Suitable varieties for our region:</i></p> <ol style="list-style-type: none"> <li><i>1. Cabbage – Green express (Hybrid), Rareball (Hybrid), Pride of India (OP).</i></li> <li><i>2. Broccoli – Pushpa, princess.</i></li> <li><i>3. Tomato – Pusa ruby, Arka vikash, Punjab swari.</i></li> <li><i>4. Knolkhol – White Vienna.</i></li> <li><i>5. Radish – Japanese white, Pusa chetki.</i></li> <li><i>6. Pea – Arkel</i></li> </ol>
<b>Cucurbits</b>	Harvesting stage		<p><i>Harvest the cucurbits at proper maturity stage depending upon its use. Over matured fruits become fibrous and immature fruits are tender and have short shelf life</i></p>
<b>Brinjal</b>	Maturity stage		<p><i>Timely weeding and earthing up should be done.</i></p>
		Wilt	<p><i>Remove and destroy the affected plant</i></p> <p style="padding-left: 20px;"><i>➤ Proper drainage should be maintained in the field</i></p>
<b>Naga king chilli</b>	Fruiting to harvesting stage		<p><i>Timely weeding and earthing up should be done</i></p> <p><i>Daily monitoring should be done for insect pest and need based neem oil should be spray</i></p>
<b>Fruit trees</b>			<p><i>Maintain proper sanitation in and around the vicinity of the tree</i></p> <p><i>Prune trees immediately after harvesting. Grow seasonal crops in inter spaces.</i></p>

	<b>Ginger / turmeric</b>	Vegetative stage		<i>Timely monitor the disease in ginger field. For aphids and whiteflies, spray neem oil @5ml/litre of water</i>
	<b>Livestock</b>			
	Vaccination of animals should be done against out-break of major diseases. Provide clean and cool drinking water to the animals			
	<b>Poultry</b>	<ul style="list-style-type: none"><li>• Provide glucose/electral along with vitamin supplements (@5- 6ml/100 birds) with adequate potable water</li><li>• Vaccinate against prevalent disease like Ranikhet disease and deworm every two months for backyard and intensive system both.</li><li>• Avoid over crowding</li></ul>		
	<b>Piggery</b>	<ul style="list-style-type: none"><li>• Continue routine deworming of piglets at 5-6 months interval</li><li>• Continue injection of iron for piglets at 4<sup>th</sup> and 14<sup>th</sup> day</li><li>• Regularly disinfect the floors and walls at frequent intervals with suitable disinfectant (KMnO4). Daily inspection early in the morning should be done for any abnormal behaviour. Observe their general stage of health, check for parasites and injuries, and watch out for any abnormal feeding habits Examine the animals for maggot infestation and ectoparasites and use suitable control measures</li><li>• Check for signs of any disease like CSF, FMD etc and immediately consult a veterinary practitioner</li></ul>		
	<b>Fisheries</b>			
		Do take care of your pond every day when you take food to your fish, make sure the pond remains full of water, do not let weeds cover more than one quarter of the surface. If there are too many weeds, clean your pond. Take the advice of experts and information from mass media		

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## Integrated Agromet Advisory Service Bulletin from 11<sup>th</sup> to 15<sup>th</sup> Oct'17 Phek District

Bulletin No:79/2017

Weather summary of the preceding week			Weather forecast valid upto 11 <sup>th</sup> Oct'17
<ul style="list-style-type: none"> <li>Light rain occurred the past week</li> <li>Maximum and minimum temperatures ranged 29<sup>0</sup>C to 30<sup>0</sup>C and 19<sup>0</sup>C to 21<sup>0</sup>C, respectively.</li> <li>Relative humidity varied from 63% to 95%.</li> <li>Wind speed ranged from 1 to 2 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 31<sup>0</sup>C - 32<sup>0</sup>C and the <b>min temp</b> 20<sup>0</sup>C to 21<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 55% to 93%.</li> <li><b>Wind speed</b> may reach upto 2- 4 kmph</li> <li><b>Wind direction</b> will be mostly southeasterly</li> </ul>
<ul style="list-style-type: none"> <li>NDVI for Nagaland</li> </ul>			<div style="text-align: center;"> </div> <p style="text-align: right;">Moderate wet conditions</p>
Field crops			
Main Crops	Stage	Pest/ Diseases	Agro-meteorological Advisories
Jhum paddy	Harvesting stage		During sunny days harvest the early and early medium duration varieties when 80% of the grains matured in a panicle. Harvest, process, dry and pack different paddy varieties separately without mixing for better price for their produce
TRC/WRC paddy	Dough development stage	Brown spot, blast	Destroy the infested residue, stubbles, grass and weeds present in the bunds of the field as they act as a source for the infection For rice blast management, destroy the infested residue, stubbles, grass and weeds present in the bunds of the field as they act as a source for the infection.
Toria	Land preparation	-	Field preparation should be started for <b>toria</b> and arrangement for quality seeds should be done. M-27, TS-36 and TS-38 are some of the varieties recommended for our region

<b>Rabi maize</b>	Land preparation		<p><i>Land preparation should be started for rabi maize. It can be grown in all types of soils having adequate provision of drainage. Field should be ploughed properly so as to expose the pupae of red hairy caterpillar. Sow certified seeds from a reliable source to prevent seed rot and seedling blight. If one wants to use his own seed, seed treatment is a must.</i></p> <p><i>Some of the varieties recommended for our region are HQPM-1, Allrounder and RCM-76.</i></p>
<b>Groundnut</b>	Maturity stage		
<p style="text-align: center;"><b><i>Horticultural crop</i></b></p> <p style="text-align: center;">Timely weeding and earthing up should be done</p>			
<b>Citrus</b>			<p><i>During this month, Bordeaux paste should be applied on tree trunk of citrus up to 60cm height from ground level. To kill the trunk borer grubs, clean the bored holes of the infested trunk with iron wire and insert a cotton swab soaked in petrol or kerosene and plug with mud.</i></p>
<b>Vegetables</b>			<p><i>Nursery preparation should be started for vegetables like cabbage, cauliflower, knolkhol, broccoli, radish, tomato and arrangement for quality seeds should be done.</i></p> <p><i>Suitable varieties for our region:</i></p> <ol style="list-style-type: none"> <li><i>1. Cabbage – Green express (Hybrid), Rareball (Hybrid), Pride of India (OP).</i></li> <li><i>2. Broccoli – Pushpa, princess.</i></li> <li><i>3. Tomato – Pusa ruby, Arka vikash, Punjab swari.</i></li> <li><i>4. Knolkhol – White Vienna.</i></li> <li><i>5. Radish – Japanese white, Pusa chetki.</i></li> <li><i>6. Pea – Arkel</i></li> </ol>
<b>Cucurbits</b>	Harvesting stage		<p><i>Harvest the cucurbits at proper maturity stage depending upon its use. Over matured fruits become fibrous and immature fruits are tender and have short shelf life</i></p>
<b>Brinjal</b>	Maturity stage		<p><i>Timely weeding and earthing up should be done.</i></p>
		Wilt	<p><i>Remove and destroy the affected plant</i></p> <p style="padding-left: 20px;"><i>➤ Proper drainage should be maintained in the field</i></p>
<b>Naga king chilli</b>	Fruiting to harvesting stage		<p><i>Timely weeding and earthing up should be done</i></p> <p><i>Daily monitoring should be done for insect pest and need based neem oil should be spray</i></p>

	<b>Fruit trees</b>			<i>Maintain proper sanitation in and around the vicinity of the tree Prune trees immediately after harvesting. Grow seasonal crops in inter spaces.</i>
	<b>Ginger / turmeric</b>	Vegetative stage		<i>Timely monitor the disease in ginger field. For aphids and whiteflies, spray neem oil @5ml/litre of water</i>
	<b>Livestock</b> Vaccination of animals should be done against out-break of major diseases. Provide clean and cool drinking water to the animals			
	<b>Poultry</b>	<ul style="list-style-type: none"><li>• Provide glucose/electral along with vitamin supplements (@5- 6ml/100 birds) with adequate potable water</li><li>• Vaccinate against prevalent disease like Ranikhet disease and deworm every two months for backyard and intensive system both.</li><li>• Avoid over crowding</li></ul>		
	<b>Piggery</b>	<ul style="list-style-type: none"><li>• Continue routine deworming of piglets at 5-6 months interval</li><li>• Continue injection of iron for piglets at 4<sup>th</sup> and 14<sup>th</sup> day</li><li>• Regularly disinfect the floors and walls at frequent intervals with suitable disinfectant (KMnO4). Daily inspection early in the morning should be done for any abnormal behaviour. Observe their general stage of health, check for parasites and injuries, and watch out for any abnormal feeding habits Examine the animals for maggot infestation and ectoparasites and use suitable control measures</li><li>• Check for signs of any disease like CSF, FMD etc and immediately consult a veterinary practitioner</li></ul>		
<b>Fisheries</b>				
		Do take care of your pond every day when you take food to your fish, make sure the pond remains full of water, do not let weeds cover more than one quarter of the surface. If there are too many weeds, clean your pond. Take the advice of experts and information from mass media		

## SCIENTIFIC EXPERT COMMITTEE

Sl.no	Name	Designation	Department	
1	Dr.D.J. Rajkhowa	Principle Scientist	Agronomy	djrajkhowa@gmail.com
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8	Aabon W Yanthan	Scientist	Vegetable Science	aabon.iari@gmail.com






# Integrated Agromet Advisory Service Bulletin from 11<sup>th</sup> to 15<sup>th</sup> Oct'17 Tuensang District

Bulletin No:79/2017

Weather summary of the preceding week			Weather forecast valid upto 11 <sup>th</sup> Oct'17
<ul style="list-style-type: none"> <li>Light rain occurred the past week</li> <li>Maximum and minimum temperatures ranged 27<sup>0</sup>C to 29<sup>0</sup>C and 20<sup>0</sup>C to 21<sup>0</sup>C, respectively.</li> <li>Relative humidity varied from 65% to 95%.</li> <li>Wind speed ranged from 1 to 2 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 31<sup>0</sup>C - 32<sup>0</sup>C and the <b>min temp</b> 20<sup>0</sup>C to 21<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 54% to 94%.</li> <li><b>Wind speed</b> may reach upto 1- 2 kmph</li> <li><b>Wind direction</b> will be southeasterly</li> </ul>
<ul style="list-style-type: none"> <li>NDVI for Nagaland</li> </ul>			<p>Moderate wet conditions</p>
Field crops			
Main Crops	Stage	Pest/ Diseases	Agro-meteorological Advisories
Jhum paddy	Harvesting stage		During sunny days harvest the early and early medium duration varieties when 80% of the grains matured in a panicle. Harvest, process, dry and pack different paddy varieties separately without mixing for better price for their produce
TRC/WRC paddy	Dough development stage	Brown spot, blast	Destroy the infested residue, stubbles, grass and weeds present in the bunds of the field as they act as a source for the infection For rice blast management, destroy the infested residue, stubbles, grass and weeds present in the bunds of the field as they act as a source for the infection.
Toria	Land preparation	-	Field preparation should be started for toria and arrangement for quality seeds should be done. M-27, TS-36 and TS-38 are some of the varieties recommended for our region

	<b>Rabi maize</b>	Land preparation		Land preparation should be started for rabi maize. It can be grown in all types of soils having adequate provision of drainage. Field should be ploughed properly so as to expose the pupae of red hairy caterpillar. Sow certified seeds from a reliable source to prevent seed rot and seedling blight. If one wants to use his own seed, seed treatment is a must. Some of the varieties recommended for our region are HQPM-1, Allrounder and RCM-76.
	<b>Groundnut</b>	Maturity stage		
	<p style="text-align: center;"><b>Horticultural crop</b> Timely weeding and earthing up should be done</p>			
	<b>Citrus</b>			During this month, Bordeaux paste should be applied on tree trunk of citrus up to 60cm height from ground level. To kill the trunk borer grubs, clean the bored holes of the infested trunk with iron wire and insert a cotton swab soaked in petrol or kerosene and plug with mud.
	<b>Vegetables</b>			<p>Nursery preparation should be started for vegetables like cabbage, cauliflower, knolkhol, broccoli, radish, tomato and arrangement for quality seeds should be done.</p> <p>Suitable varieties for our region:</p> <ol style="list-style-type: none"> <li>1. Cabbage – Green express (Hybrid), Rareball (Hybrid), Pride of India (OP).</li> <li>2. Broccoli – Pushpa, princess.</li> <li>3. Tomato – Pusa ruby, Arka vikash, Punjab swari.</li> <li>4. Knolkhol – White Vienna.</li> <li>5. Radish – Japanese white, Pusa chetki.</li> <li>6. Pea – Arkel</li> </ol>
	<b>Cucurbits</b>	Harvesting stage		Harvest the cucurbits at proper maturity stage depending upon its use. Over matured fruits become fibrous and immature fruits are tender and have short shelf life
	<b>Brinjal</b>	Maturity stage		Timely weeding and earthing up should be done.
			Wilt	<p>Remove and destroy the affected plant</p> <p>➤ Proper drainage should be maintained in the field</p>
	<b>Naga king chilli</b>	Fruiting to harvesting stage		<p>Timely weeding and earthing up should be done</p> <p>Daily monitoring should be done for insect pest and need based neem oil should be spray</p>
	<b>Fruit trees</b>			<p>Maintain proper sanitation in and around the vicinity of the tree</p> <p>Prune trees immediately after harvesting. Grow seasonal crops in inter spaces.</p>

	<b>Ginger / turmeric</b>	Vegetative stage		<i>Timely monitor the disease in ginger field. For aphids and whiteflies, spray neem oil @5ml/litre of water</i>
	<b>Livestock</b> Vaccination of animals should be done against out-break of major diseases. Provide clean and cool drinking water to the animals			
	<b>Poultry</b>	<ul style="list-style-type: none"><li>• Provide glucose/electral along with vitamin supplements (@5- 6ml/100 birds) with adequate potable water</li><li>• Vaccinate against prevalent disease like Ranikhet disease and deworm every two months for backyard and intensive system both.</li><li>• Avoid over crowding</li></ul>		
	<b>Piggery</b>	<ul style="list-style-type: none"><li>• Continue routine deworming of piglets at 5-6 months interval</li><li>• Continue injection of iron for piglets at 4<sup>th</sup> and 14<sup>th</sup> day</li><li>• Regularly disinfect the floors and walls at frequent intervals with suitable disinfectant (KMnO4). Daily inspection early in the morning should be done for any abnormal behaviour. Observe their general stage of health, check for parasites and injuries, and watch out for any abnormal feeding habits Examine the animals for maggot infestation and ectoparasites and use suitable control measures</li><li>• Check for signs of any disease like CSF, FMD etc and immediately consult a veterinary practitioner</li></ul>		
<b>Fisheries</b>				
		Do take care of your pond every day when you take food to your fish, make sure the pond remains full of water, do not let weeds cover more than one quarter of the surface. If there are too many weeds, clean your pond. Take the advice of experts and information from mass media		

## SCIENTIFIC EXPERT COMMITTEE

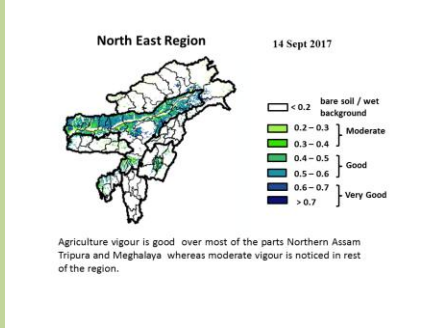
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# Integrated Agromet Advisory Service Bulletin from 11<sup>th</sup> to 15<sup>th</sup> Oct'17 Wokha District

Bulletin No:79/2017

Weather summary of the preceding week		Weather forecast valid upto 11 <sup>th</sup> Oct'17	
<ul style="list-style-type: none"><li>▪ Light rain occurred the past week</li><li>▪ Maximum and minimum temperatures ranged 27<sup>0</sup>C to 30<sup>0</sup>C and 21<sup>0</sup>C to 22<sup>0</sup>C, respectively.</li><li>▪ Relative humidity varied from 61% to 92%.</li><li>▪ Wind speed ranged from 2 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 27<sup>0</sup>C - 28<sup>0</sup>C and the <b>min temp</b> 19<sup>0</sup>C to 20<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 57% to 92%.</li><li>▪ <b>Wind speed</b> may reach upto 2- 4 kmph</li><li>▪ <b>Wind direction</b> will be mostly easterly</li></ul>	
<ul style="list-style-type: none"><li>▪ NDVI for Nagaland</li></ul>		<div><div><p>North East Region</p><p>14 Sept 2017</p></div><p>Moderate wet conditions</p></div>	
Field crops			
Main Crops	Stage	Pest/ Diseases	Agro-meteorological Advisories
Jhum paddy	Harvesting stage		<i>During sunny days harvest the early and early medium duration varieties when 80% of the grains matured in a panicle. Harvest, process, dry and pack different paddy varieties separately without mixing for better price for their produce</i>
TRC/WRC paddy	Dough development stage	Brown spot, blast	<i>Destroy the infested residue, stubbles, grass and weeds present in the bunds of the field as they act as a source for the infection For rice blast management, destroy the infested residue, stubbles, grass and weeds present in the bunds of the field as they act as a source for the infection.</i>
Toria	Land preparation	-	<i>Field preparation should be started for <b>toria</b> and arrangement for quality seeds should be done. M-27, TS-36 and TS-38 are some of the varieties recommended for our region</i>

	<b>Rabi maize</b>	Land preparation		<p><i>Land preparation should be started for rabi maize. It can be grown in all types of soils having adequate provision of drainage. Field should be ploughed properly so as to expose the pupae of red hairy caterpillar. Sow certified seeds from a reliable source to prevent seed rot and seedling blight. If one wants to use his own seed, seed treatment is a must.</i></p> <p><i>Some of the varieties recommended for our region are HQPM-1, Allrounder and RCM-76.</i></p>
	<b>Groundnut</b>	Maturity stage		
	<p style="text-align: center;"><b><i>Horticultural crop</i></b></p> <p style="text-align: center;">Timely weeding and earthing up should be done</p>			
	<b>Citrus</b>			<p><i>During this month, Bordeaux paste should be applied on tree trunk of citrus up to 60cm height from ground level. To kill the trunk borer grubs, clean the bored holes of the infested trunk with iron wire and insert a cotton swab soaked in petrol or kerosene and plug with mud.</i></p>
	<b>Vegetables</b>			<p><i>Nursery preparation should be started for vegetables like cabbage, cauliflower, knolkhol, broccoli, radish, tomato and arrangement for quality seeds should be done.</i></p> <p><i>Suitable varieties for our region:</i></p> <ol style="list-style-type: none"> <li><i>1. Cabbage – Green express (Hybrid), Rareball (Hybrid), Pride of India (OP).</i></li> <li><i>2. Broccoli – Pushpa, princess.</i></li> <li><i>3. Tomato – Pusa ruby, Arka vikash, Punjab swari.</i></li> <li><i>4. Knolkhol – White Vienna.</i></li> <li><i>5. Radish – Japanese white, Pusa chetki.</i></li> <li><i>6. Pea – Arkel</i></li> </ol>
	<b>Cucurbits</b>	Harvesting stage		<p><i>Harvest the cucurbits at proper maturity stage depending upon its use. Over matured fruits become fibrous and immature fruits are tender and have short shelf life</i></p>
	<b>Brinjal</b>	Maturity stage		<i>Timely weeding and earthing up should be done.</i>
			Wilt	<p><i>Remove and destroy the affected plant</i></p> <p style="padding-left: 20px;"><i>➤ Proper drainage should be maintained in the field</i></p>
	<b>Naga king chilli</b>	Fruiting to harvesting stage		<p><i>Timely weeding and earthing up should be done</i></p> <p><i>Daily monitoring should be done for insect pest and need based neem oil should be spray</i></p>

	<b>Fruit trees</b>			<i>Maintain proper sanitation in and around the vicinity of the tree Prune trees immediately after harvesting. Grow seasonal crops in inter spaces.</i>
	<b>Ginger / turmeric</b>	Vegetative stage		<i>Timely monitor the disease in ginger field. For aphids and whiteflies, spray neem oil @5ml/litre of water</i>
	<b>Livestock</b> Vaccination of animals should be done against out-break of major diseases. Provide clean and cool drinking water to the animals			
	<b>Poultry</b>	<ul style="list-style-type: none"><li>• Provide glucose/electral along with vitamin supplements (@5- 6ml/100 birds) with adequate potable water</li><li>• Vaccinate against prevalent disease like Ranikhet disease and deworm every two months for backyard and intensive system both.</li><li>• Avoid over crowding</li></ul>		
	<b>Piggery</b>	<ul style="list-style-type: none"><li>• Continue routine deworming of piglets at 5-6 months interval</li><li>• Continue injection of iron for piglets at 4<sup>th</sup> and 14<sup>th</sup> day</li><li>• Regularly disinfect the floors and walls at frequent intervals with suitable disinfectant (KMnO4). Daily inspection early in the morning should be done for any abnormal behaviour. Observe their general stage of health, check for parasites and injuries, and watch out for any abnormal feeding habits. Examine the animals for maggot infestation and ectoparasites and use suitable control measures</li><li>• Check for signs of any disease like CSF, FMD etc and immediately consult a veterinary practitioner</li></ul>		
	<b>Fisheries</b>			
		Do take care of your pond every day when you take food to your fish, make sure the pond remains full of water, do not let weeds cover more than one quarter of the surface. If there are too many weeds, clean your pond. Take the advice of experts and information from mass media		

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## Integrated Agromet Advisory Service Bulletin from 11<sup>th</sup> to 15<sup>th</sup> Oct'17

### Zunheboto District

Bulletin No:79/2017

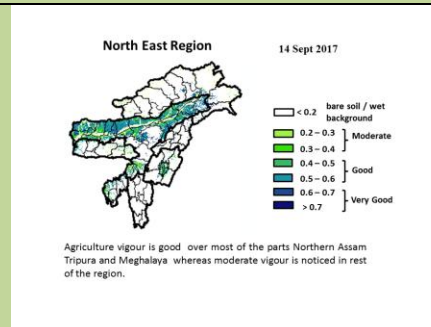
#### Weather summary of the preceding week

- Light rain occurred the past week
- Maximum and minimum temperatures ranged 25<sup>0</sup>C to 30<sup>0</sup>C and 20<sup>0</sup>C to 21<sup>0</sup>C, respectively.
- Relative humidity varied from 63% to 95%.
- Wind speed ranged from 1 to 2 kmph

#### Weather forecast valid upto 11<sup>th</sup> Oct'17

- Probability of light rain the coming week.
- **Max temp** is likely to be 27<sup>0</sup>C - 28<sup>0</sup>C and the **min temp** 17<sup>0</sup>C to 18<sup>0</sup>C
- **Sky is likely to be mainly cloudy** the coming week
- **Relative Humidity** is likely to range from 56% to 91%.
- **Wind speed** may reach upto 2- 4 kmph
- **Wind direction** will be mostly southeasterly

- NDVI for Nagaland




Moderate wet conditions

#### Field crops

Main Crops	Stage	Pest/ Diseases	Agro-meteorological Advisories
<b>Jhum paddy</b>	Harvesting stage		<i>During sunny days harvest the early and early medium duration varieties when 80% of the grains matured in a panicle. Harvest, process, dry and pack different paddy varieties separately without mixing for better price for their produce</i>
<b>TRC/WRC paddy</b>	Dough development stage	Brown spot, blast	<i>Destroy the infested residue, stubbles, grass and weeds present in the bunds of the field as they act as a source for the infection For rice blast management, destroy the infested residue, stubbles, grass and weeds present in the bunds of the field as they act as a source for the infection.</i>
<b>Toria</b>	Land preparation	-	<i>Field preparation should be started for toria and arrangement for quality seeds should be done. M-27, TS-36 and TS-38 are some of the varieties recommended for our region</i>

	<b>Rabi maize</b>	Land preparation		Land preparation should be started for rabi maize. It can be grown in all types of soils having adequate provision of drainage. Field should be ploughed properly so as to expose the pupae of red hairy caterpillar. Sow certified seeds from a reliable source to prevent seed rot and seedling blight. If one wants to use his own seed, seed treatment is a must. Some of the varieties recommended for our region are HQPM-1, Allrounder and RCM-76.
	<b>Groundnut</b>	Maturity stage		
	<p style="text-align: center;"><b>Horticultural crop</b></p> <p style="text-align: center;">Timely weeding and earthing up should be done</p>			
	<b>Citrus</b>			During this month, Bordeaux paste should be applied on tree trunk of citrus up to 60cm height from ground level. To kill the trunk borer grubs, clean the bored holes of the infested trunk with iron wire and insert a cotton swab soaked in petrol or kerosene and plug with mud.
	<b>Vegetables</b>			Nursery preparation should be started for vegetables like cabbage, cauliflower, knolkhol, broccoli, radish, tomato and arrangement for quality seeds should be done. Suitable varieties for our region: 1. Cabbage – Green express (Hybrid), Rareball (Hybrid), Pride of India (OP). 2. Broccoli – Pushpa, princess. 3. Tomato – Pusa ruby, Arka vikash, Punjab swari. 4. Knolkhol – White Vienna. 5. Radish – Japanese white, Pusa chetki. 6. Pea – Arkel
	<b>Cucurbits</b>	Harvesting stage		Harvest the cucurbits at proper maturity stage depending upon its use. Over matured fruits become fibrous and immature fruits are tender and have short shelf life
	<b>Brinjal</b>	Maturity stage		Timely weeding and earthing up should be done.
			Wilt	Remove and destroy the affected plant ➤ Proper drainage should be maintained in the field
	<b>Naga king chilli</b>	Fruiting to harvesting stage		Timely weeding and earthing up should be done Daily monitoring should be done for insect pest and need based neem oil should be spray
	<b>Fruit trees</b>			Maintain proper sanitation in and around the vicinity of the tree Prune trees immediately after harvesting. Grow seasonal crops in inter spaces.

	<b>Ginger / turmeric</b>	Vegetative stage		<i>Timely monitor the disease in ginger field. For aphids and whiteflies, spray neem oil @5ml/litre of water</i>
	<b>Livestock</b>			
	Vaccination of animals should be done against out-break of major diseases. Provide clean and cool drinking water to the animals			
	<b>Poultry</b>	<ul style="list-style-type: none"><li>• Provide glucose/electral along with vitamin supplements (@5- 6ml/100 birds) with adequate potable water</li><li>• Vaccinate against prevalent disease like Ranikhet disease and deworm every two months for backyard and intensive system both.</li><li>• Avoid over crowding</li></ul>		
	<b>Piggery</b>	<ul style="list-style-type: none"><li>• Continue routine deworming of piglets at 5-6 months interval</li><li>• Continue injection of iron for piglets at 4<sup>th</sup> and 14<sup>th</sup> day</li><li>• Regularly disinfect the floors and walls at frequent intervals with suitable disinfectant (KMnO4). Daily inspection early in the morning should be done for any abnormal behaviour. Observe their general stage of health, check for parasites and injuries, and watch out for any abnormal feeding habits Examine the animals for maggot infestation and ectoparasites and use suitable control measures</li><li>• Check for signs of any disease like CSF, FMD etc and immediately consult a veterinary practitioner</li></ul>		
	<b>Fisheries</b>			
		Do take care of your pond every day when you take food to your fish, make sure the pond remains full of water, do not let weeds cover more than one quarter of the surface. If there are too many weeds, clean your pond. Take the advice of experts and information from mass media		

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