



# Integrated Agromet Advisory Service Bulletin from 17<sup>th</sup> to 21<sup>st</sup> Jan'18 Dimapur District

**Bulletin No:05/2018**

### *Weather summary of the preceding week*

- No rain occurred the past week
- Maximum and minimum temperatures ranged 20<sup>0</sup>C to 23<sup>0</sup>C and 7<sup>0</sup>C to 10<sup>0</sup>C, respectively.
- Relative humidity varied from 40% to 88%.
- Wind speed ranged from 3 to 4 kmph

- NDVI for Nagaland

### *Weather forecast valid upto 21<sup>st</sup> Jan 2018*

- Probability of no rain the coming week.
- **Max temp** is likely to be 24<sup>0</sup>C - 25<sup>0</sup>C and the **min temp** 11<sup>0</sup>C to 12<sup>0</sup>C
- **Sky is likely to be clear** the coming week
- **Relative Humidity** is likely to range from 29% to 88%.
- **Wind speed** may reach upto 2- 3 kmph  
**Wind direction** will be easterly

### *Field crops*

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

### *Horticultural crop*

<i>Citrus</i>	Fruiting to harvesting stage		<ul style="list-style-type: none"> <li>• <i>Regular monitoring for trunk borer infestation should be carried out at timely interval</i></li> <li>• <i>Collection of infected dropped fruit and buried in to soil</i></li> </ul>
<i>Vegetables</i>			<i>Intercultural operations in vegetables are advised to remove the weeds.</i>
<i>Cauliflower, cabbage,</i>			<i>Transplanting of cabbage and cauliflower should be done at a spacing – 30 x 60cm for small varieties. 45 x 60 cm for large varieties Keep the field free from weed. Hand hoeing should be done after transplanting</i>

	<b>Litchi</b>			<i>Mulch the tree basin, protect young litchi plants from cold and suppress new flush by application of growth inhibitors</i>
	<b>Ginger / turmeric</b>	Maturity stage		<i>For Ginger and turmeric, field must be inspected daily for disease appearance. While inspecting, the healthy plants/plots must be marked and kept for planting in the next season. Marking has to be done properly otherwise when plant matures and gets dried up, it will be very difficult to find out the marked plots.</i>
<b>Livestock</b>				
<ul style="list-style-type: none"> <li>• Ensure periodic vaccination of animals against FMD, Brucellosis, Haemorrhagic Septicaemia, Anthrax</li> <li>• Animals should be given mineral mixture along with salt regularly and wheat grains, jaggery etc. may be provided @ 10% - 20% in the daily ration during winter season to meet the energy requirement of the animals</li> <li>• Avoid feeding of damp and foul smelling feed to all livestock and poultry</li> </ul>				
	<b>Poultry</b>	<ul style="list-style-type: none"> <li>➤ Provide good ventilation but prevent chill air from entering in</li> <li>➤ Seal all the cracks and crevices in the house</li> <li>➤ Side curtains can be used during severe winds and draft thus sealing the house from cold draft</li> <li>➤ Oil or fat can be added to feed and energy levels in the feed can be raised to meet the higher energy need of the bird</li> <li>➤ Provide warm water to the birds</li> </ul>		
	<b>Piggery</b>	<ul style="list-style-type: none"> <li>➤ Swine flu may occur in pig at all stages. It is a viral flu and highly contagious. Clinical signs include high fever, skin lesions, convulsions, constipation followed by diarrhea and vomiting, less appetite. Once the symptoms is noticed, immediately informed the nearby veterinary doctor</li> <li>➤ Sick or injured animals should be attended to immediately, preferably move to a warm comfortable environment. Medications should be used only on the advice of a veterinarian, following recommended treatment.</li> </ul>		
<b>Fisheries</b>				
 <p>भारत सरकार ICAR</p>	As the water temperature of your pond falls, the fish will require less food. Never overfeed your fish. Excess food will pollute the pond water, so only feed amounts that will be completely consumed by your fish within 2 minutes			

## SCIENTIFIC EXPERT COMMITTEE

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



# Integrated Agromet Advisory Service Bulletin from 17<sup>th</sup> to 21<sup>st</sup> Jan'18

## Kiphire District

**Bulletin No:05/2018**

### *Weather summary of the preceding week*

- No rain occurred the past week
- Maximum and minimum temperatures ranged 22<sup>o</sup>C to 23<sup>o</sup>C and 7<sup>o</sup>C to 9<sup>o</sup>C, respectively.
- Relative humidity varied from 26% to 88%.
- Wind speed ranged from 3 to 4 kmph

- NDVI for Nagaland

### *Weather forecast valid upto 21<sup>st</sup> Jan 2018*

- Probability of no rain the coming week.
- **Max temp** is likely to be 20<sup>o</sup>C - 21<sup>o</sup>C and the **min temp** 7<sup>o</sup>C to 8<sup>o</sup>C
- **Sky is likely to be clear** the coming week
- **Relative Humidity** is likely to range from 25% to 87%.
- **Wind speed** may reach upto 2-4 kmph
- **Wind direction** will be southeasterly

### *Field crops*

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

### *Horticultural crop*

<i>Citrus</i>	Fruiting to harvesting stage		<ul style="list-style-type: none"> <li>• <i>Regular monitoring for trunk borer infestation should be carried out at timely interval</i></li> <li>• <i>Collection of infected dropped fruit and buried in to soil</i></li> </ul>
<i>Vegetables</i>			<i>Intercultural operations in vegetables are advised to remove the weeds.</i>
<i>Cauliflower, cabbage,</i>			<i>Transplanting of cabbage and cauliflower should be done at a spacing – 30 x 60cm for small varieties. 45 x 60 cm for large varieties Keep the field free from weed. Hand hoeing should be done after transplanting</i>

	<b>Litchi</b>		<i>Mulch the tree basin, protect young litchi plants from cold and suppress new flush by application of growth inhibitors</i>
	<b>Ginger / turmeric</b>	Maturity stage	<i>For Ginger and turmeric, field must be inspected daily for disease appearance. While inspecting, the healthy plants/plots must be marked and kept for planting in the next season. Marking has to be done properly otherwise when plant matures and gets dried up, it will be very difficult to find out the marked plots.</i>
<b>Livestock</b>			
<ul style="list-style-type: none"> <li>• Ensure periodic vaccination of animals against FMD, Brucellosis, Haemorrhagic Septicaemia, Anthrax</li> <li>• Animals should be given mineral mixture along with salt regularly and wheat grains, jaggery etc. may be provided @ 10% - 20% in the daily ration during winter season to meet the energy requirement of the animals</li> <li>• Avoid feeding of damp and foul smelling feed to all livestock and poultry</li> </ul>			
	<b>Poultry</b>		<ul style="list-style-type: none"> <li>➤ Provide good ventilation but prevent chill air from entering in</li> <li>➤ Seal all the cracks and crevices in the house</li> <li>➤ Side curtains can be used during severe winds and draft thus sealing the house from cold draft</li> <li>➤ Oil or fat can be added to feed and energy levels in the feed can be raised to meet the higher energy need of the bird</li> <li>➤ Provide warm water to the birds</li> </ul>
	<b>Piggery</b>		<ul style="list-style-type: none"> <li>➤ Swine flu may occur in pig at all stages. It is a viral flu and highly contagious. Clinical signs include high fever, skin lesions, convulsions, constipation followed by diarrhea and vomiting, less appetite. Once the symptoms is noticed, immediately informed the nearby veterinary doctor</li> <li>➤ Sick or injured animals should be attended to immediately, preferably move to a warm comfortable environment. Medications should be used only on the advice of a veterinarian, following recommended treatment.</li> </ul>
<b>Fisheries</b>			
			As the water temperature of your pond falls, the fish will require less food. Never overfeed your fish. Excess food will pollute the pond water, so only feed amounts that will be completely consumed by your fish within 2 minutes



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



# Integrated Agromet Advisory Service Bulletin from 17<sup>th</sup> to 21<sup>st</sup> Jan '18

## Kohima District

**Bulletin No:05/2018**

### *Weather summary of the preceding week*

- No rain occurred the past week
- Maximum and minimum temperatures ranged 17<sup>o</sup>C to 18<sup>o</sup>C and 4<sup>o</sup>C to 6<sup>o</sup>C, respectively.
- Relative humidity varied from 37% to 90%.
- Wind speed ranged from 3 to 4 kmph

- NDVI for Nagaland

### *Weather forecast valid upto 21<sup>st</sup> Jan 2018*

- Probability of no rain the coming week.
- **Max temp** is likely to be 17<sup>o</sup>C - 18<sup>o</sup>C and the **min temp** 4<sup>o</sup>C to 5<sup>o</sup>C
- **Sky is likely to be clear** the coming week
- **Relative Humidity** is likely to range from 31% to 89%.
- **Wind speed** may reach upto 3-4 kmph  
**Wind direction** will be mostly easterly

### *Field crops*

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

### *Horticultural crop*

<i>Citrus</i>	Fruiting to harvesting stage		<ul style="list-style-type: none"> <li>• <i>Regular monitoring for trunk borer infestation should be carried out at timely interval</i></li> <li>• <i>Collection of infected dropped fruit and buried in to soil</i></li> </ul>
<i>Vegetables</i>			<i>Intercultural operations in vegetables are advised to remove the weeds.</i>

	<b>Cauliflower, cabbage,</b>			<i>Transplanting of cabbage and cauliflower should be done at a spacing – 30 x 60cm for small varieties. 45 x 60 cm for large varieties Keep the field free from weed. Hand hoeing should be done after transplanting</i>
	<b>Litchi</b>			<i>Mulch the tree basin, protect young litchi plants from cold and suppress new flush by application of growth inhibitors</i>
	<b>Ginger / turmeric</b>	Maturity stage		<i>For Ginger and turmeric, field must be inspected daily for disease appearance. While inspecting, the healthy plants/plots must be marked and kept for planting in the next season. Marking has to be done properly otherwise when plant matures and gets dried up, it will be very difficult to find out the marked plots.</i>
<b>Livestock</b>				
<ul style="list-style-type: none"> <li>• Ensure periodic vaccination of animals against FMD, Brucellosis, Haemorrhagic Septicaemia, Anthrax</li> <li>• Animals should be given mineral mixture along with salt regularly and wheat grains, jaggery etc. may be provided @ 10% - 20% in the daily ration during winter season to meet the energy requirement of the animals</li> <li>• Avoid feeding of damp and foul smelling feed to all livestock and poultry</li> </ul>				
	<b>Poultry</b>			<ul style="list-style-type: none"> <li>➤ Provide good ventilation but prevent chill air from entering in</li> <li>➤ Seal all the cracks and crevices in the house</li> <li>➤ Side curtains can be used during severe winds and draft thus sealing the house from cold draft</li> <li>➤ Oil or fat can be added to feed and energy levels in the feed can be raised to meet the higher energy need of the bird</li> <li>➤ Provide warm water to the birds</li> </ul>
	<b>Piggery</b>			<ul style="list-style-type: none"> <li>➤ Swine flu may occur in pig at all stages. It is a viral flu and highly contagious. Clinical signs include high fever, skin lesions, convulsions, constipation followed by diarrhea and vomiting, less appetite. Once the symptoms is noticed, immediately informed the nearby veterinary doctor</li> <li>➤ Sick or injured animals should be attended to immediately, preferably move to a warm comfortable environment. Medications should be used only on the advice of a veterinarian, following recommended treatment.</li> </ul>
<b>Fisheries</b>				
 <p>भारत सरकार ICAR</p>				As the water temperature of your pond falls, the fish will require less food. Never overfeed your fish. Excess food will pollute the pond water, so only feed amounts that will be completely consumed by your fish within 2 minutes

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# Integrated Agromet Advisory Service Bulletin from 17<sup>th</sup> to 21<sup>st</sup> Jan'18 Longleng District

**Bulletin No:05/2018**

### *Weather summary of the preceding week*

- No rain occurred the past week
  - Maximum and minimum temperatures ranged 21<sup>0</sup>C to 22<sup>0</sup>C and 7<sup>0</sup>C to 9<sup>0</sup>C, respectively.
  - Relative humidity varied from 60% to 95%.
  - Wind speed ranged from 1 to 2 kmph
- NDVI for Nagaland

### *Weather forecast valid upto 21<sup>st</sup> Jan 2018*

- Probability of no rain the coming week.
- **Max temp** is likely to be 19<sup>0</sup>C - 20<sup>0</sup>C and the **min temp** 6<sup>0</sup>C to 7<sup>0</sup>C
- **Sky is likely to be clear** the coming week
- **Relative Humidity** is likely to range from 32% to 85%.
- **Wind speed** may reach upto 2- 3 kmph
- **Wind direction** will be mostly southeasterly

### *Field crops*

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

### *Horticultural crop*

<i>Citrus</i>	Fruiting to harvesting stage		<ul style="list-style-type: none"> <li>• <i>Regular monitoring for trunk borer infestation should be carried out at timely interval</i></li> <li>• <i>Collection of infected dropped fruit and buried in to soil</i></li> </ul>
<i>Vegetables</i>			<i>Intercultural operations in vegetables are advised to remove the weeds.</i>
<i>Cauliflower, cabbage,</i>			<i>Transplanting of cabbage and cauliflower should be done at a spacing – 30 x 60cm for small varieties. 45 x 60 cm for large varieties Keep the field free from weed. Hand hoeing should be done after</i>

			<i>transplanting</i>
	<b>Litchi</b>		<i>Mulch the tree basin, protect young litchi plants from cold and suppress new flush by application of growth inhibitors</i>
	<b>Ginger / turmeric</b>	Maturity stage	<i>For Ginger and turmeric, field must be inspected daily for disease appearance. While inspecting, the healthy plants/plots must be marked and kept for planting in the next season. Marking has to be done properly otherwise when plant matures and gets dried up, it will be very difficult to find out the marked plots.</i>
<b>Livestock</b>			
<ul style="list-style-type: none"> <li>• Ensure periodic vaccination of animals against FMD, Brucellosis, Haemorrhagic Septicaemia, Anthrax</li> <li>• Animals should be given mineral mixture along with salt regularly and wheat grains, jaggery etc. may be provided @ 10% - 20% in the daily ration during winter season to meet the energy requirement of the animals</li> <li>• Avoid feeding of damp and foul smelling feed to all livestock and poultry</li> </ul>			
	<b>Poultry</b>	<ul style="list-style-type: none"> <li>➤ Provide good ventilation but prevent chill air from entering in</li> <li>➤ Seal all the cracks and crevices in the house</li> <li>➤ Side curtains can be used during severe winds and draft thus sealing the house from cold draft</li> <li>➤ Oil or fat can be added to feed and energy levels in the feed can be raised to meet the higher energy need of the bird</li> <li>➤ Provide warm water to the birds</li> </ul>	
	<b>Piggery</b>	<ul style="list-style-type: none"> <li>➤ Swine flu may occur in pig at all stages. It is a viral flu and highly contagious. Clinical signs include high fever, skin lesions, convulsions, constipation followed by diarrhea and vomiting, less appetite. Once the symptoms is noticed, immediately informed the nearby veterinary doctor</li> <li>➤ Sick or injured animals should be attended to immediately, preferably move to a warm comfortable environment. Medications should be used only on the advice of a veterinarian, following recommended treatment.</li> </ul>	
<b>Fisheries</b>			
		As the water temperature of your pond falls, the fish will require less food. Never overfeed your fish. Excess food will pollute the pond water, so only feed amounts that will be completely consumed by your fish within 2 minutes	

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# Integrated Agromet Advisory Service Bulletin from 17<sup>th</sup> to 21<sup>st</sup> Jan '18

## Mokokchung District

**Bulletin No:05/2018**

### *Weather summary of the preceding week*

- No rain occurred the past week
- Maximum and minimum temperatures ranged 19<sup>o</sup>C to 21<sup>o</sup>C and 6<sup>o</sup>C to 8<sup>o</sup>C, respectively.
- Relative humidity varied from 42% to 90%.
- Wind speed ranged from 3 to 5 kmph

- NDVI for Nagaland

### *Weather forecast valid upto 21<sup>st</sup> Jan 2018*

- Probability of no rain the coming week.
- **Max temp** is likely to be 20<sup>o</sup>C - 21<sup>o</sup>C and the **min temp** 7<sup>o</sup>C to 8<sup>o</sup>C
- **Sky is likely to be clear** the coming week
- **Relative Humidity** is likely to range from 22% to 85%.
- **Wind speed** may reach upto 3-4 kmph
- **Wind direction** will be southeasterly

### *Field crops*

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

### *Horticultural crop*

<i>Citrus</i>	Fruiting to harvesting stage		<ul style="list-style-type: none"> <li>• <i>Regular monitoring for trunk borer infestation should be carried out at timely interval</i></li> <li>• <i>Collection of infected dropped fruit and buried in to soil</i></li> </ul>
<i>Vegetables</i>			<i>Intercultural operations in vegetables are advised to remove the weeds.</i>

<b>Cauliflower, cabbage,</b>			<i>Transplanting of cabbage and cauliflower should be done at a spacing – 30 x 60cm for small varieties. 45 x 60 cm for large varieties Keep the field free from weed. Hand hoeing should be done after transplanting</i>
<b>Litchi</b>			<i>Mulch the tree basin, protect young litchi plants from cold and suppress new flush by application of growth inhibitors</i>
<b>Ginger / turmeric</b>	Maturity stage		<i>For Ginger and turmeric, field must be inspected daily for disease appearance. While inspecting, the healthy plants/plots must be marked and kept for planting in the next season. Marking has to be done properly otherwise when plant matures and gets dried up, it will be very difficult to find out the marked plots.</i>
<b>Livestock</b>			
<ul style="list-style-type: none"> <li>• Ensure periodic vaccination of animals against FMD, Brucellosis, Haemorrhagic Septicaemia, Anthrax</li> <li>• Animals should be given mineral mixture along with salt regularly and wheat grains, jaggery etc. may be provided @ 10% - 20% in the daily ration during winter season to meet the energy requirement of the animals</li> <li>• Avoid feeding of damp and foul smelling feed to all livestock and poultry</li> </ul>			
<b>Poultry</b>	<ul style="list-style-type: none"> <li>➤ Provide good ventilation but prevent chill air from entering in</li> <li>➤ Seal all the cracks and crevices in the house</li> <li>➤ Side curtains can be used during severe winds and draft thus sealing the house from cold draft</li> <li>➤ Oil or fat can be added to feed and energy levels in the feed can be raised to meet the higher energy need of the bird</li> <li>➤ Provide warm water to the birds</li> </ul>		
<b>Piggery</b>	<ul style="list-style-type: none"> <li>➤ Swine flu may occur in pig at all stages. It is a viral flu and highly contagious. Clinical signs include high fever, skin lesions, convulsions, constipation followed by diarrhea and vomiting, less appetite. Once the symptoms is noticed, immediately informed the nearby veterinary doctor</li> <li>➤ Sick or injured animals should be attended to immediately, preferably move to a warm comfortable environment. Medications should be used only on the advice of a veterinarian, following recommended treatment.</li> </ul>		
<b>Fisheries</b>			
	As the water temperature of your pond falls, the fish will require less food. Never overfeed your fish. Excess food will pollute the pond water, so only feed amounts that will be completely consumed by your fish within 2 minutes.		



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भा क अनुप - पु प सं  
ICAR · RCNEH

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

## Integrated Agromet Advisory Service Bulletin from 17<sup>th</sup> to 21<sup>st</sup> Jan '18 Mon District

Bulletin No:05/2018

### Weather summary of the preceding week

- No rain occurred the past week
- Maximum and minimum temperatures ranged 18<sup>0</sup>C to 19<sup>0</sup>C and 6<sup>0</sup>C to 7<sup>0</sup>C, respectively.
- Relative humidity varied from 36% to 85%
- Wind speed ranged from 5 to 6 kmph

### Weather forecast valid upto 21<sup>st</sup> Jan 2018

- Probability of no rain the coming week.
- **Max temp** is likely to be 20<sup>0</sup>C - 21<sup>0</sup>C and the **min temp** 7<sup>0</sup>C to 8<sup>0</sup>C
- **Sky is likely to be clear** the coming week
- **Relative Humidity** is likely to range from 19% to 85%.
- **Wind speed** may reach upto 1- 2 kmph
- **Wind direction** will be southeasterly

### Field crops

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

### Horticultural crop

<i>Citrus</i>	Fruiting to harvesting stage		<ul style="list-style-type: none"> <li>• Regular monitoring for trunk borer infestation should be carried out at timely interval</li> <li>• Collection of infected dropped fruit and buried in to soil</li> </ul>
<i>Vegetables</i>			<i>Intercultural operations in vegetables are advised to remove the weeds.</i>

<b>Cauliflower, cabbage,</b>			<p>Give light irrigation on every alternate day for proper growth of the plant mulching recommended</p> <p>Hand picking and destruction of egg mass and young larvae, apply 4% neem seed kernel extract (NSKE)</p>
<b>Litchi</b>			<p>Mulch the tree basin, protect young litchi plants from cold and suppress new flush by application of growth inhibitors</p>
<b>Ginger / turmeric</b>	Maturity stage		<p>For Ginger and turmeric, field must be inspected daily for disease appearance. While inspecting, the healthy plants/plots must be marked and kept for planting in the next season. Marking has to be done properly otherwise when plant matures and gets dried up, it will be very difficult to find out the marked plots.</p>
<p><b>Livestock</b></p> <ul style="list-style-type: none"> <li>• Ensure periodic vaccination of animals against FMD, Brucellosis, Haemorrhagic Septicaemia, Anthrax</li> <li>• Animals should be given mineral mixture along with salt regularly and wheat grains, jaggery etc. may be provided @ 10% - 20% in the daily ration during winter season to meet the energy requirement of the animals</li> <li>• Avoid feeding of damp and foul smelling feed to all livestock and poultry</li> </ul>			
<b>Poultry</b>	<ul style="list-style-type: none"> <li>➤ Provide good ventilation but prevent chill air from entering in</li> <li>➤ Seal all the cracks and crevices in the house</li> <li>➤ Side curtains can be used during severe winds and draft thus sealing the house from cold draft</li> <li>➤ Oil or fat can be added to feed and energy levels in the feed can be raised to meet the higher energy need of the bird</li> <li>➤ Provide warm water to the birds</li> </ul>		
<b>Piggery</b>	<ul style="list-style-type: none"> <li>➤ Swine flu may occur in pig at all stages. It is a viral flu and highly contagious. Clinical signs include high fever, skin lesions, convulsions, constipation followed by diarrhea and vomiting, less appetite. Once the symptoms is noticed, immediately informed the nearby veterinary doctor</li> <li>➤ Sick or injured animals should be attended to immediately, preferably move to a warm comfortable environment. Medications should be used only on the advice of a veterinarian, following recommended treatment.</li> </ul>		
<p><b>Fisheries</b></p>			
	<p>As the water temperature of your pond falls, the fish will require less food. Never overfeed your fish. Excess food will pollute the pond water, so only feed amounts that will be completely consumed by your fish within 2 minutes.</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
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 17<sup>th</sup> to 21<sup>st</sup> Jan '18

## Peren District

**Bulletin No:05/2018**

### *Weather summary of the preceding week*

- No rain occurred the past week
- Maximum and minimum temperatures ranged 20<sup>o</sup>C to 21<sup>o</sup>C and 5<sup>o</sup>C to 7<sup>o</sup>C, respectively.
- Relative humidity varied from 39% to 90%.
- Wind speed ranged from 3 to 4 kmph

- NDVI for Nagaland

### *Weather forecast valid upto 21<sup>st</sup> Jan 2018*

- Probability of no rain the coming week.
- **Max temp** is likely to be 19<sup>o</sup>C - 20<sup>o</sup>C and the **min temp** 5<sup>o</sup>C to 6<sup>o</sup>C
- **Sky is likely to be clear** 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 southeasterly

### *Field crops*

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

### *Horticultural crop*

<i>Citrus</i>	Fruiting to harvesting stage		<ul style="list-style-type: none"> <li>• <i>Regular monitoring for trunk borer infestation should be carried out at timely interval</i></li> <li>• <i>Collection of infected dropped fruit and buried in to soil</i></li> </ul>
<i>Vegetables</i>			<i>Intercultural operations in vegetables are advised to remove the weeds.</i>

	<b>Cauliflower, cabbage,</b>		<i>Transplanting of cabbage and cauliflower should be done at a spacing – 30 x 60cm for small varieties. 45 x 60 cm for large varieties Keep the field free from weed. Hand hoeing should be done after transplanting</i>
	<b>Litchi</b>		<i>Mulch the tree basin, protect young litchi plants from cold and suppress new flush by application of growth inhibitors</i>
	<b>Ginger / turmeric</b>	Maturity stage	<i>For Ginger and turmeric, field must be inspected daily for disease appearance. While inspecting, the healthy plants/plots must be marked and kept for planting in the next season. Marking has to be done properly otherwise when plant matures and gets dried up, it will be very difficult to find out the marked plots.</i>
<b>Livestock</b>			
<ul style="list-style-type: none"> <li>• Ensure periodic vaccination of animals against FMD, Brucellosis, Haemorrhagic Septicaemia, Anthrax</li> <li>• Animals should be given mineral mixture along with salt regularly and wheat grains, jaggery etc. may be provided @ 10% - 20% in the daily ration during winter season to meet the energy requirement of the animals</li> <li>• Avoid feeding of damp and foul smelling feed to all livestock and poultry</li> </ul>			
	<b>Poultry</b>		<ul style="list-style-type: none"> <li>➤ Provide good ventilation but prevent chill air from entering in</li> <li>➤ Seal all the cracks and crevices in the house</li> <li>➤ Side curtains can be used during severe winds and draft thus sealing the house from cold draft</li> <li>➤ Oil or fat can be added to feed and energy levels in the feed can be raised to meet the higher energy need of the bird</li> <li>➤ Provide warm water to the birds</li> </ul>
	<b>Piggery</b>		<ul style="list-style-type: none"> <li>➤ Swine flu may occur in pig at all stages. It is a viral flu and highly contagious. Clinical signs include high fever, skin lesions, convulsions, constipation followed by diarrhea and vomiting, less appetite. Once the symptoms is noticed, immediately informed the nearby veterinary doctor</li> <li>➤ Sick or injured animals should be attended to immediately, preferably move to a warm comfortable environment. Medications should be used only on the advice of a veterinarian, following recommended treatment.</li> </ul>
	<b>Fisheries</b>		
			As the water temperature of your pond falls, the fish will require less food. Never overfeed your fish. Excess food will pollute the pond water, so only feed amounts that will be completely consumed by your fish within 2 minutes

## SCIENTIFIC EXPERT COMMITTEE

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# Integrated Agromet Advisory Service Bulletin from 17<sup>th</sup> to 21<sup>st</sup> Jan'18

## Phek District

**Bulletin No:05/2018**

### *Weather summary of the preceding week*

- No rain occurred the past week
- Maximum and minimum temperatures ranged 16<sup>0</sup>C to 17<sup>0</sup>C and 4<sup>0</sup>C to 6<sup>0</sup>C, respectively.
- Relative humidity varied from 30% to 90%.
- Wind speed ranged from 1 to 2 kmph

### *Weather forecast valid upto 21<sup>st</sup> Jan 2018*

- Probability of no rain the coming week.
- **Max temp** is likely to be 19<sup>0</sup>C - 20<sup>0</sup>C and the **min temp** 6<sup>0</sup>C to 7<sup>0</sup>C
- **Sky is likely to be clear** the coming week
- **Relative Humidity** is likely to range from 37% to 84%.
- **Wind speed** may reach upto 2-4 kmph  
**Wind direction** will be mostly southeasterly

- NDVI for Nagaland

### *Field crops*

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

### *Horticultural crop*

<b>Citrus</b>	Fruiting to harvesting stage		<ul style="list-style-type: none"> <li>● <i>Regular monitoring for trunk borer infestation should be carried out at timely interval</i></li> </ul>
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			<ul style="list-style-type: none"> <li>• <i>Collection of infected dropped fruit and buried in to soil</i></li> </ul>
	<b>Vegetables</b>		<i>Intercultural operations in vegetables are advised to remove the weeds.</i>
	<b>Cauliflower , cabbage,</b>		<i>Transplanting of cabbage and cauliflower should be done at a spacing – 30 x 60cm for small varieties. 45 x 60 cm for large varieties Keep the field free from weed. Hand hoeing should be done after transplanting</i>
	<b>Litchi</b>		<i>Mulch the tree basin, protect young litchi plants from cold and suppress new flush by application of growth inhibitors</i>
	<b>Ginger / turmeric</b>	Maturity stage	<i>For Ginger and turmeric, field must be inspected daily for disease appearance. While inspecting, the healthy plants/plots must be marked and kept for planting in the next season. Marking has to be done properly otherwise when plant matures and gets dried up, it will be very difficult to find out the marked plots.</i>
<b>Livestock</b>			
<ul style="list-style-type: none"> <li>• Ensure periodic vaccination of animals against FMD, Brucellosis, Haemorrhagic Septicaemia, Anthrax</li> <li>• Animals should be given mineral mixture along with salt regularly and wheat grains, jaggery etc. may be provided @ 10% - 20% in the daily ration during winter season to meet the energy requirement of the animals</li> <li>• Avoid feeding of damp and foul smelling feed to all livestock and poultry</li> </ul>			
	<b>Poultry</b>		<ul style="list-style-type: none"> <li>➤ Provide good ventilation but prevent chill air from entering in</li> <li>➤ Seal all the cracks and crevices in the house</li> <li>➤ Side curtains can be used during severe winds and draft thus sealing the house from cold draft</li> <li>➤ Oil or fat can be added to feed and energy levels in the feed can be raised to meet the higher energy need of the bird</li> <li>➤ Provide warm water to the birds</li> </ul>
	<b>Piggery</b>		<ul style="list-style-type: none"> <li>➤ Swine flu may occur in pig at all stages. It is a viral flu and highly contagious. Clinical signs include high fever, skin lesions, convulsions, constipation followed by diarrhea and vomiting, less appetite. Once the symptoms is noticed, immediately informed the nearby veterinary doctor</li> <li>➤ Sick or injured animals should be attended to immediately, preferably move to a warm comfortable environment. Medications should be used only on the advice of a veterinarian, following recommended treatment.</li> </ul>
<b>Fisheries</b>			



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

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## Integrated Agromet Advisory Service Bulletin from 17<sup>th</sup> to 21<sup>st</sup> Jan '18 Tuensang District

**Bulletin No:05/2018**

<i>Weather summary of the preceding week</i>		<i>Weather forecast valid upto 21<sup>st</sup> Jan 2018</i>	
<ul style="list-style-type: none"> <li>▪ No rain occurred the past week</li> <li>▪ Maximum and minimum temperatures ranged 13<sup>o</sup>C to 16<sup>o</sup>C and 4<sup>o</sup>C to 6<sup>o</sup>C, respectively.</li> <li>▪ Relative humidity varied from 30% to 95%.</li> <li>▪ Wind speed ranged from 3 to 4 kmph</li> </ul>		<ul style="list-style-type: none"> <li>▪ Probability of no rain the coming week.</li> <li>▪ <b>Max temp</b> is likely to be 14<sup>o</sup>C - 15<sup>o</sup>C and the <b>min temp</b> 3<sup>o</sup>C to 4<sup>o</sup>C</li> <li>▪ <b>Sky is likely to be clear</b> the coming week</li> <li>▪ <b>Relative Humidity</b> is likely to range from 22% to 85%.</li> <li>▪ <b>Wind speed</b> may reach upto 2-3 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>			
<i>Field crops</i>			
Main Crops	Stage	Pest/ Diseases	Agro-meteorological Advisories
<i>TRC/WRC paddy</i>	Storage		<i>Dry the paddy grains properly and regularly before storing to reduce storage insect pests and fungus. Paddy grains can be mixed with neem leaves at the time of storage to reduce storage pests.</i>
<i>Toria</i>	Flowering stage	-	<i>Keep the field free from weeds and daily scouting of the field should be done for aphid</i>
<i>Rabi maize</i>	Silking stage		<i>Thinning must be done where more population was observed. Weeding and earthing up should be carried out</i>
<i>Linseed/lentil</i>	vegetative stage		<i>Soil moisture conservation techniques like mulching with crop residue is recommended</i>
<i>Horticultural crop</i>			
<i>Citrus</i>	Fruiting to harvesting stage		<ul style="list-style-type: none"> <li>• <i>Regular monitoring for trunk borer infestation should be carried out at timely interval</i></li> <li>• <i>Collection of infected dropped fruit and buried in to soil</i></li> </ul>
<i>Vegetables</i>			<i>Intercultural operations in vegetables are advised to remove the weeds.</i>
<i>Cauliflower, cabbage,</i>			<i>Transplanting of cabbage and cauliflower should be done at a spacing –</i>

			<p>30 x 60cm for small varieties. 45 x 60 cm for large varieties</p> <p>Keep the field free from weed. Hand hoeing should be done after transplanting</p>
	<b>Litchi</b>		<p>Mulch the tree basin, protect young litchi plants from cold and suppress new flush by application of growth inhibitors</p>
	<b>Ginger / turmeric</b>	Maturity stage	<p>For Ginger and turmeric, field must be inspected daily for disease appearance. While inspecting, the healthy plants/plots must be marked and kept for planting in the next season. Marking has to be done properly otherwise when plant matures and gets dried up, it will be very difficult to find out the marked plots.</p>
<p><b>Livestock</b></p> <ul style="list-style-type: none"> <li>• Ensure periodic vaccination of animals against FMD, Brucellosis, Haemorrhagic Septicaemia, Anthrax</li> <li>• Animals should be given mineral mixture along with salt regularly and wheat grains, jaggery etc. may be provided @ 10% - 20% in the daily ration during winter season to meet the energy requirement of the animals</li> <li>• Avoid feeding of damp and foul smelling feed to all livestock and poultry</li> </ul>			
	<b>Poultry</b>		<ul style="list-style-type: none"> <li>➤ Provide good ventilation but prevent chill air from entering in</li> <li>➤ Seal all the cracks and crevices in the house</li> <li>➤ Side curtains can be used during severe winds and draft thus sealing the house from cold draft</li> <li>➤ Oil or fat can be added to feed and energy levels in the feed can be raised to meet the higher energy need of the bird</li> <li>➤ Provide warm water to the birds</li> </ul>
	<b>Piggery</b>		<ul style="list-style-type: none"> <li>➤ Swine flu may occur in pig at all stages. It is a viral flu and highly contagious. Clinical signs include high fever, skin lesions, convulsions, constipation followed by diarrhea and vomiting, less appetite. Once the symptoms is noticed, immediately informed the nearby veterinary doctor</li> <li>➤ Sick or injured animals should be attended to immediately, preferably move to a warm comfortable environment. Medications should be used only on the advice of a veterinarian, following recommended treatment.</li> </ul>
<p><b>Fisheries</b></p>			
 <p>भारत ICAR</p>			<p>As the water temperature of your pond falls, the fish will require less food. Never overfeed your fish. Excess food will pollute the pond water, so only feed amounts that will be completely consumed by your fish within 2 minutes</p>

## SCIENTIFIC EXPERT COMMITTEE

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



# Integrated Agromet Advisory Service Bulletin from 17<sup>th</sup> to 21<sup>st</sup> Jan '18 Wokha District

**Bulletin No:05/2018**

***Weather summary of the preceding week***

- No rain occurred the past week
- Maximum and minimum temperatures ranged 20<sup>o</sup>C to 21<sup>o</sup>C and 6<sup>o</sup>C to 7<sup>o</sup>C, respectively.
- Relative humidity varied from 43% to 90%.
- Wind speed ranged from 4 to 5 kmph

***Weather forecast valid upto 21<sup>st</sup> Jan 2018***

- Probability of no rain the coming week.
- **Max temp** is likely to be 19<sup>o</sup>C - 20<sup>o</sup>C and the **min temp** 6<sup>o</sup>C to 7<sup>o</sup>C
- **Sky is likely to be clear** the coming week
- **Relative Humidity** is likely to range from 28% to 85%.
- **Wind speed** may reach upto 4- 5 kmph
- **Wind direction** will be southeasterly

- NDVI for Nagaland

***Field crops***

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

***Horticultural crop***

<b>Citrus</b>	Fruiting to harvesting stage		<ul style="list-style-type: none"> <li>• Regular monitoring for trunk borer infestation should be carried out at timely interval</li> <li>• Collection of infected dropped fruit and buried in to soil</li> </ul>
<b>Vegetables</b>			<i>Intercultural operations in vegetables are advised to remove the weeds.</i>

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

	<b>Cauliflower, cabbage,</b>			<p>Transplanting of cabbage and cauliflower should be done at a spacing – 30 x 60cm for small varieties. 45 x 60 cm for large varieties</p> <p>Keep the field free from weed. Hand hoeing should be done after transplanting</p>
	<b>Litchi</b>			<p>Mulch the tree basin, protect young litchi plants from cold and suppress new flush by application of growth inhibitors</p>
	<b>Ginger / turmeric</b>	Maturity stage		<p>For Ginger and turmeric, field must be inspected daily for disease appearance. While inspecting, the healthy plants/plots must be marked and kept for planting in the next season. Marking has to be done properly otherwise when plant matures and gets dried up, it will be very difficult to find out the marked plots.</p>
<p style="text-align: center;"><b>Livestock</b></p> <ul style="list-style-type: none"> <li>• Ensure periodic vaccination of animals against FMD, Brucellosis, Haemorrhagic Septicaemia, Anthrax</li> <li>• Animals should be given mineral mixture along with salt regularly and wheat grains, jaggery etc. may be provided @ 10% - 20% in the daily ration during winter season to meet the energy requirement of the animals</li> <li>• Avoid feeding of damp and foul smelling feed to all livestock and poultry</li> </ul>				
	<b>Poultry</b>			<ul style="list-style-type: none"> <li>➤ Provide good ventilation but prevent chill air from entering in</li> <li>➤ Seal all the cracks and crevices in the house</li> <li>➤ Side curtains can be used during severe winds and draft thus sealing the house from cold draft</li> <li>➤ Oil or fat can be added to feed and energy levels in the feed can be raised to meet the higher energy need of the bird</li> <li>➤ Provide warm water to the birds</li> </ul>
	<b>Piggery</b>			<ul style="list-style-type: none"> <li>➤ Swine flu may occur in pig at all stages. It is a viral flu and highly contagious. Clinical signs include high fever, skin lesions, convulsions, constipation followed by diarrhea and vomiting, less appetite. Once the symptoms is noticed, immediately informed the nearby veterinary doctor</li> <li>➤ Sick or injured animals should be attended to immediately, preferably move to a warm comfortable environment. Medications should be used only on the advice of a veterinarian, following recommended treatment.</li> </ul>
<p style="text-align: center;"><b>Fisheries</b></p>				
				<p>As the water temperature of your pond falls, the fish will require less food. Never overfeed your fish. Excess food will pollute the pond water, so only feed amounts that will be completely consumed by your fish within 2 minutes</p>



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# Integrated Agromet Advisory Service Bulletin from 17<sup>th</sup> to 21<sup>st</sup> Jan'18 Zunheboto District

**Bulletin No:05/2018**

### *Weather summary of the preceding week*

- No rain occurred the past week
- Maximum and minimum temperatures ranged 16<sup>o</sup>C to 18<sup>o</sup>C and 3<sup>o</sup>C to 5<sup>o</sup>C, respectively.
- Relative humidity varied from 37% to 85%.
- Wind speed ranged from 4 to 5 kmph

### *Weather forecast valid upto 21<sup>st</sup> Jan 2018*

- Probability of no rain the coming week.
- **Max temp** is likely to be 17<sup>o</sup>C - 18<sup>o</sup>C and the **min temp** 4<sup>o</sup>C to 5<sup>o</sup>C
- **Sky is likely to be clear** the coming week
- **Relative Humidity** is likely to range from 35% to 88%.
- **Wind speed** may reach upto 3-4 kmph
- **Wind direction** will be mostly easterly

- NDVI for Nagaland

### *Field crops*

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

### *Horticultural crop*

<b>Citrus</b>	Fruiting to harvesting stage	<ul style="list-style-type: none"> <li>• Regular monitoring for trunk borer infestation should be carried out at timely interval</li> <li>• Collection of infected dropped fruit and buried in to soil</li> </ul>
<b>Vegetables</b>		<i>Intercultural operations in vegetables are advised to remove the weeds.</i>
<b>Cauliflower, cabbage,</b>		<i>Transplanting of cabbage and cauliflower should be done at a spacing – 30 x 60cm for small varieties. 45 x 60 cm for large varieties Keep the field free from weed. Hand hoeing should be done after transplanting</i>
<b>Litchi</b>		<i>Mulch the tree basin, protect young litchi plants from cold and suppress new flush by application of growth inhibitors</i>
<b>Ginger / turmeric</b>	Maturity stage	<i>For Ginger and turmeric, field must be inspected daily for disease appearance. While inspecting, the healthy plants/plots must be marked and kept for planting in the next season. Marking has to be done properly otherwise when plant matures and gets dried up, it will be very difficult to find out the marked plots.</i>
<b>Livestock</b>		
<ul style="list-style-type: none"> <li>• Ensure periodic vaccination of animals against FMD, Brucellosis, Haemorrhagic Septicaemia, Anthrax</li> <li>• Animals should be given mineral mixture along with salt regularly and wheat grains, jaggery etc. may be provided @ 10% - 20% in the daily ration during winter season to meet the energy requirement of the animals</li> <li>• Avoid feeding of damp and foul smelling feed to all livestock and poultry</li> </ul>		
<b>Poultry</b>	<ul style="list-style-type: none"> <li>➤ Provide good ventilation but prevent chill air from entering in</li> <li>➤ Seal all the cracks and crevices in the house</li> <li>➤ Side curtains can be used during severe winds and draft thus sealing the house from cold draft</li> <li>➤ Oil or fat can be added to feed and energy levels in the feed can be raised to meet the higher energy need of the bird</li> <li>➤ Provide warm water to the birds</li> </ul>	
<b>Piggery</b>	<ul style="list-style-type: none"> <li>➤ Swine flu may occur in pig at all stages. It is a viral flu and highly contagious. Clinical signs include high fever, skin lesions, convulsions, constipation followed by diarrhea and vomiting, less appetite. Once the symptoms is noticed, immediately informed the nearby veterinary doctor</li> <li>➤ Sick or injured animals should be attended to immediately, preferably move to a warm comfortable environment. Medications should be used only on the advice of a veterinarian, following recommended treatment.</li> </ul>	
<b>Fisheries</b>		



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

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