



# Integrated Agromet Advisory Service Bulletin from 20<sup>th</sup> to 24<sup>th</sup> Jan'18 Dimapur District

# **Bulletin No:06/2018**

Weather summary of the preceding week	Weather forecast valid upto 24 <sup>th</sup> Jan 2018
■ No rain occurred the past week	Probability of no rain the coming week.
■ Maximum and minimum temperatures ranged 20 <sup>o</sup> C to	■ Max temp is likely to be $26^{\circ}$ C - $27^{\circ}$ C and the min temp $12^{\circ}$ C to $13^{\circ}$ C
$23^{\circ}$ C and $7^{\circ}$ C to $10^{\circ}$ C, respectively.	Sky is likely to be clear the coming week
■ Relative humidity varied from 40% to 88%.	■ <b>Relative Humidity</b> is likely to range from 31% to 90%.
■ Wind speed ranged from 3 to 4 kmph	■ Wind speed may reach upto 2-3 kmph
	Wind direction will be easterly

#### **General Recommendations**

- Spraying operation should be done only on dry/clear weather
- Obtain seeds from reputed/certified/reliable source
- Use fertilizers/pesticides as per recommended doses for the location
- Preference must be given on use of organic manures/bio-fertilizers & bio-pesticides

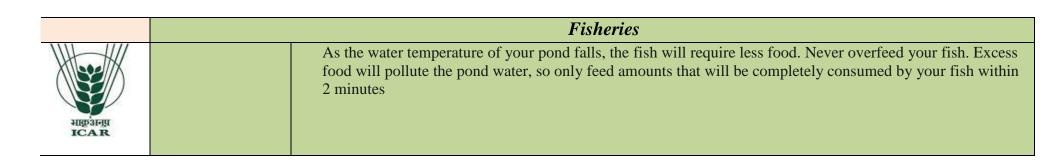
### Field crops

Main Crops	Stage	Pest/	Agro-meteorological Advisories	
		Diseases		
TRC/WRC paddy	Storage		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.	
Toria	Maturing stage	-	Keep the field free from weeds and daily scouting of the field should be done for aphid	
Rabi maize	Silking stage		Weeding and earthing up should be carried out	
Linseed/lentil	vegetative stage		Soil moisture conservation techniques like mulching with crop residue is recommended	
Horticultural crop				

#### Horticultural crop

Khasi mandarin	Harvesting stage		Harvest the ripened fruits at the right time. Collect and discard the fallen fruits
Vegetables			Intercultural operations in vegetables are advised to remove the weeds.
Cauliflower, cabbage,		Black spot Cut worm	Prevailing weather may conducive for black spot disease in Cole Crops and other leafy vegetables. On leaves 'V' shaped chlorotic to yellow lesions develop from

		the leaf margins. They become black later. The veins and veinlets become black. Systemic infection spreads to the root. The vascular bundle in the stem becomes black followed by integration of fleshy stalk. The attack of soft rot organisms causes further detoriation. The cabbage heads and cauliflower curds are invaded and become discoloured.  To manage the attack in leafy vegetables and Cole crops, Mancozeb @ 2gm per liter of water may be sprayed. Intercultural operation should be avoided when the plants are wet. Provision of drainage and free air movement to dry the moisture present in the soil	
		Spray Neem seed kernel extract @500g/ha twice at 10 days interval.  Frequent Monitoring should be done and mechanically destroy the caterpillar	
Litchi		Mulch the tree basin, protect young litchi plants from cold and suppress new flush by application of growth inhibitors	
Ginger / turmeric	Maturity stage	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.	
<ul> <li>Livestock</li> <li>Ensure periodic vaccination of animals against FMD, Brucellosis, Haemorrahagic 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>			
Poultry	Provide g	good ventilation but prevent chill air from entering in	
		he cracks and crevices in the house	
	<ul> <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> </ul>		
Piggery	<ul> <li>Provide warm water to the birds</li> <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>		



Sl.no	Name	Designation	Department	
1	Dr.D.J. Rajkhowa	Principle Scientist	Agronomy	djrajkhowa@gmail.com
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5	Dr. Mahak Singh	Scientist	Animal Reproduction & Gynaecology	mahaksinghivri@gmail.com
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8	Aabon W Yanthan	Scientist	Vegetable Science	aabon.iari@gmail.com





# **Integrated Agromet Advisory Service Bulletin from 20<sup>th</sup> to 24<sup>th</sup> Jan'18** Kiphire District

# **Bulletin No:06/2018**

Weather summary of the preceding week	Weather forecast valid upto 24 <sup>th</sup> Jan 2018
■ No rain occurred the past week	■ Probability of no rain the coming week.
■ Maximum and minimum temperatures ranged	■ Max temp is likely to be 23 <sup>o</sup> C - 24 <sup>o</sup> C and the min temp 11 <sup>o</sup> C to 12 <sup>o</sup> C
22°C to 23°C and 7°C to 9°C, respectively.	Sky is likely to be clear the coming week
■ Relative humidity varied from 26% to 88%.	■ Relative Humidity is likely to range from 25% to 90%.
■ Wind speed ranged from 3 to 4 kmph	■ Wind speed may reach upto 2-4 kmph
	Wind direction will be southeasterly

#### **General Recommendations**

- Spraying operation should be done only on dry/clear weather
- Obtain seeds from reputed/certified/reliable source
- Use fertilizers/pesticides as per recommended doses for the location
- Preference must be given on use of organic manures/bio-fertilizers & bio-pesticides

<b>Main Crops</b>	Stage	Pest/	Agro-meteorological Advisories	
		Diseases		
TRC/WRC paddy	Storage		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.	
Toria	Flowering stage	-	Keep the field free from weeds and daily scouting of the field should be done for aphid	
Rabi maize	Silking stage		Weeding and earthing up should be carried out	
Linseed/lentil	vegetative stage		Soil moisture conservation techniques like mulching with crop residue is recommended	
Horticultural crop				

Khasi	Harvesting stage		Harvest the ripened fruits at the right time. Collect and discard the fallen fruits
mandarin			
Vegetables			Intercultural operations in vegetables are advised to remove the weeds.
Cauliflower,		Black spot	Prevailing weather may conducive for black spot disease in Cole Crops and
cabbage,		Cut worm	other leafy vegetables. On leaves 'V' shaped chlorotic to yellow lesions develop

	from the leaf margins. They become black later. The veins and veinlets become black. Systemic infection spreads to the root. The vascular bundle in the stem becomes black followed by integration of fleshy stalk. The attack of soft rot organisms causes further detoriation. The cabbage heads and cauliflower curds are invaded and become discoloured.  To manage the attack in leafy vegetables and Cole crops, Mancozeb @ 2gm per liter of water may be sprayed. Intercultural operation should be avoided when		
	the plants are wet. Provision of drainage and free air movement to dry the moisture present in the soil  Spray Neem seed kernel extract @500g/ha twice at 10 days interval.		
	Frequent Monitoring should be done and mechanically destroy the caterpillar		
Litchi	Mulch the tree basin, protect young litchi plants from cold and suppress new flush by application of growth inhibitors		
Ginger / turmeric	Maturity stage  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.		
• Animal 20% in • Avoid	<ul> <li>Livestock</li> <li>Ensure periodic vaccination of animals against FMD, Brucellosis, Haemorrahagic 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>		
Poultry	<ul> <li>Provide good ventilation but prevent chill air from entering in</li> <li>Seal all the cracks and crevices in the house</li> </ul>		
	<ul> <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>		
Piggery	<ul> <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>		
	Fisheries		
	2 00,000		



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

Sl.no	Name	Designation	Department	
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# **Integrated Agromet Advisory Service Bulletin from 20<sup>th</sup> to 24<sup>th</sup> Jan'18**Kohima District

# **Bulletin No:06/2018**

Weather summary of the preceding week	Weather forecast valid upto 24 <sup>th</sup> Jan 2018
■ No rain occurred the past week	■ Probability of no rain the coming week.
■ Maximum and minimum temperatures ranged 17	■ Max temp is likely to be 18 <sup>o</sup> C - 19 <sup>o</sup> C and the min temp 7 <sup>o</sup> C to 8 <sup>o</sup> C
<sup>0</sup> C to 18 <sup>0</sup> C and 4 <sup>0</sup> C to 6 <sup>0</sup> C, respectively.	Sky is likely to be clear the coming week
■ Relative humidity varied from 37% to 90%.	■ Relative Humidity is likely to range from 28% to 89%.
■ Wind speed ranged from 3 to 4 kmph	■ Wind speed may reach upto 3-4 kmph
	Wind direction will be mostly easterly

Field crons

#### **General Recommendations**

- Spraying operation should be done only on dry/clear weather
- Obtain seeds from reputed/certified/reliable source
- Use fertilizers/pesticides as per recommended doses for the location
- Preference must be given on use of organic manures/bio-fertilizers & bio-pesticides

Tiem crops			
Main Crops	Stage	Pest/	Agro-meteorological Advisories
_		Diseases	
TRC/WRC paddy	Storage		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.
Toria	Flowering stage	-	Keep the field free from weeds and daily scouting of the field should be done for aphid
Rabi maize	Silking stage		Weeding and earthing up should be carried out
Linseed/lentil	vegetative stage		Soil moisture conservation techniques like mulching with crop residue is recommended
	Horticultural crop		
Khasi mandarin	Harvesting stage		Harvest the ripened fruits at the right time. Collect and discard the fallen fruits

Vegetables			Intercultural operations in vegetables are advised to remove the weeds.
cabbage,  and other leafy vegetable lesions develop from the leafy vascular become black vascular bundle in the staffleshy stalk. The attack of The cabbage heads and discoloured.  To manage the attack in 2gm per liter of water manage when the plants		Prevailing weather may conducive for black spot disease in Cole Crops and other leafy vegetables. On leaves 'V' shaped chlorotic to yellow lesions develop from the leaf margins. They become black later. The veins and veinlets become black. Systemic infection spreads to the root. The vascular bundle in the stem becomes black followed by integration of fleshy stalk. The attack of soft rot organisms causes further detoriation. The cabbage heads and cauliflower curds are invaded and become discoloured.  To manage the attack in leafy vegetables and Cole crops, Mancozeb @ 2gm per liter of water may be sprayed. Intercultural operation should be avoided when the plants are wet. Provision of drainage and free air movement to dry the moisture present in the soil	
		Cut worm	Spray Neem seed kernel extract @500g/ha twice at 10 days interval.  Frequent Monitoring should be done and mechanically destroy the caterpillar
Litchi			Mulch the tree basin, protect young litchi plants from cold and suppress new flush by application of growth inhibitors
Ginger / turmeric	Maturity stage		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.

#### Livestock

- Ensure periodic vaccination of animals against FMD, Brucellosis, Haemorrahagic Septicaemia, Anthrax
- 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
- Avoid feeding of damp and foul smelling feed to all livestock and poultry

#### **Poultry**

- Provide good ventilation but prevent chill air from entering in
- > Seal all the cracks and crevices in the house
- > Side curtains can be used during severe winds and draft thus sealing the house from cold draft
- > 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
- Provide warm water to the birds

	Piggery	<ul> <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>		
	Fisheries Fisheries Fisheries			
भाकि अभीत भाषि अभीत		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 20<sup>th</sup> to 24<sup>th</sup> Jan'18 Longleng District

### **Bulletin No:06/2018**

Weather summary of the preceding week	Weather forecast valid upto 24 <sup>th</sup> Jan 2018	
■ No rain occurred the past week	■ Probability of no rain the coming week.	
■ Maximum and minimum temperatures ranged 21 <sup>o</sup> C	• Max temp is likely to be $23^{\circ}$ C - $24^{\circ}$ C and the min temp $11^{\circ}$ C to $12^{\circ}$ C	
to 22 <sup>o</sup> C and 7 <sup>o</sup> C to 9 <sup>o</sup> C, respectively.	■ Sky is likely to be clear the coming week	
Relative humidity varied from 60% to 95%.	■ Relative Humidity is likely to range from 36% to 85%.	
■ Wind speed ranged from 1 to 2 kmph	■ Wind speed may reach upto 2-3 kmph	
	Wind direction will be mostly southeasterly	

#### **General Recommendations**

Main

- Spraying operation should be done only on dry/clear weather
- Obtain seeds from reputed/certified/reliable source

Stage

- Use fertilizers/pesticides as per recommended doses for the location
- Preference must be given on use of organic manures/bio-fertilizers & bio-pesticides

Field	crop
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Agro-meteorological Advisories

Main	Stage	Pest/	Agro-meteorological Advisories
Crops		Diseases	
TRC/WRC	Storage		Dry the paddy grains properly and regularly before storing to reduce
paddy			storage insect pests and fungus. Paddy grains can be mixed with neem
			leaves at the time of storage to reduce storage pests.
Toria	Flowering stage	-	Keep the field free from weeds and daily scouting of the field should be
			done for aphid
Rabi maize	Silking stage		Weeding and earthing up should be carried out
Linseed/lentil	vegetative stage		Soil moisture conservation techniques like mulching with crop residue
			is recommended
		1	Horticultural crop
Khasi	Harvesting stage		Harvest the ripened fruits at the right time. Collect and discard the fallen
mandarin			fruits
Vegetables			Intercultural operations in vegetables are advised to remove the weeds.
Cauliflower,		Black spot	Prevailing weather may conducive for black spot disease in Cole Crops
cabbage,		Cut worm	and other leafy vegetables. On leaves 'V' shaped chlorotic to yellow

		lesions develop from the leaf margins. They become black later. The veins		
		and veinlets become black. Systemic infection spreads to the root. The		
		vascular bundle in the stem becomes black followed by integration of		
		fleshy stalk. The attack of soft rot organisms causes further detoriation		
		The cabbage heads and cauliflower curds are invaded and become		
		discoloured.		
		To manage the attack in leafy vegetables and Cole crops, Mancozeb @		
		2gm per liter of water may be sprayed. Intercultural operation should be		
		avoided when the plants are wet. Provision of drainage and free air		
		movement to dry the moisture present in the soil		
		Spray Neem seed kernel extract @500g/ha twice at 10 days interval.		
		Frequent Monitoring should be done and mechanically destroy the		
		caterpillar		
Litchi		Mulch the tree basin, protect young litchi plants from cold and suppress new flush by application of growth inhibitors		
Ginger /	Maturity stage	For Ginger and turmeric, field must be inspected daily for disease		
turmeric		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.		
T.	. 1	Livestock		
	•	hals against FMD, Brucellosis, Haemorrahagic Septicaemia, Anthrax		
	——————————————————————————————————————	mixture along with salt regularly and wheat grains, jaggery etc. may be provided @ g winter season to meet the energy requirement of the animals		
	· · · · · · · · · · · · · · · · · · ·	elling feed to all livestock and poultry		
Poultry		ation but prevent chill air from entering in		
	<ul><li>Seal all the cracks ar</li></ul>	> Seal all the cracks and crevices in the house		
	➤ Side curtains can be	> Side curtains can be used during severe winds and draft thus sealing the house from cold draft		
	➤ 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			
	Provide warm water			
Piggery	> Swine flu may occu	er 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			

	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.
	Fisheries
нфзі-іц ІСА R	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 20<sup>th</sup> to 24<sup>th</sup> Jan'18 Mokokchung District

#### **Bulletin No:06/2018**

Weather summary of the preceding week	Weather forecast valid upto 24 <sup>th</sup> Jan 2018	
■ No rain occurred the past week	■ Probability of no rain the coming week.	
• Maximum and minimum temperatures ranged	• Max temp is likely to be $23^{\circ}$ C - $24^{\circ}$ C and the min temp $11^{\circ}$ C to $12^{\circ}$ C	
19 <sup>o</sup> C to 21 <sup>o</sup> C and 6 <sup>o</sup> C to 8 <sup>o</sup> C, respectively.	■ Sky is likely to be clear the coming week	
Relative humidity varied from 42% to 90%.	■ Relative Humidity is likely to range from 40% to 87%.	
■ Wind speed ranged from 3 to 5 kmph	■ Wind speed may reach upto 2-4 kmph	
	Wind direction will be southeasterly	

#### **General Recommendations**

- Spraying operation should be done only on dry/clear weather
- Obtain seeds from reputed/certified/reliable source
- Use fertilizers/pesticides as per recommended doses for the location
- Preference must be given on use of organic manures/bio-fertilizers & bio-pesticides

#### Field crops Main **Agro-meteorological Advisories** Stage Pest/ **Diseases Crops** TRC/WRC Storage 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 paddy time of storage to reduce storage pests. Keep the field free from weeds and daily scouting of the field should be done Flowering stage Toria for aphid Weeding and earthing up should be carried out Rabi maize Silking stage Soil moisture conservation techniques like mulching with crop residue is Linseed/lenti vegetative stage recommended Horticultural crop Harvesting stage Harvest the ripened fruits at the right time. Collect and discard the fallen fruits Khasi mandarin *Intercultural operations in vegetables are advised to remove the weeds.* **Vegetables**

Cauliflower, cabbage,		Black spot	Prevailing weather may conducive for black spot disease in Cole Crops and other leafy vegetables. On leaves 'V' shaped chlorotic to yellow lesions develop from the leaf margins. They become black later. The veins and veinlets become black. Systemic infection spreads to the root. The vascular bundle in the stem becomes black followed by integration of fleshy stalk. The attack of soft rot organisms causes further detoriation. The cabbage heads and cauliflower curds are invaded and become discoloured.  To manage the attack in leafy vegetables and Cole crops, Mancozeb @ 2gm per liter of water may be sprayed. Intercultural operation should be avoided when the plants are wet. Provision of drainage and free air movement to dry the moisture present in the soil
		Cut worm	Spray Neem seed kernel extract @500g/ha twice at 10 days interval.  Frequent Monitoring should be done and mechanically destroy the caterpillar
Litchi			Mulch the tree basin, protect young litchi plants from cold and suppress new flush by application of growth inhibitors
Ginger / turmeric	Maturity stage		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.
• Anima 20% in	ls should be given minth the daily ration durin	neral mixture al g winter season	Livestock  Inst FMD, Brucellosis, Haemorrahagic Septicaemia, Anthrax  Iong with salt regularly and wheat grains, jaggery etc. may be provided @ 10% -  I to meet the energy requirement of the animals  ed to all livestock and poultry
Poultry	Provide good ve.	ntilation but pre	event chill air from entering in
	<ul> <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> </ul>		
	<ul> <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>		
Piggery	<ul> <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>		



# **Fisheries**

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 20<sup>th</sup> to 24<sup>th</sup> Jan'18 Mon District

# **Bulletin No:06/2018**

Weather summary of the preceding week	Weather forecast valid upto 24 <sup>th</sup> Jan 2018
■ No rain occurred the past week	■ Probability of no rain the coming week.
■ Maximum and minimum temperatures ranged	■ Max temp is likely to be $22^{\circ}$ C - $23^{\circ}$ C and the min temp $10^{\circ}$ C to $11^{\circ}$ C
$18^{0}$ C to $19^{0}$ C and $6^{0}$ C to $7^{0}$ C, respectively.	• Sky is likely to be clear the coming week
■ Relative humidity varied from 36% to 85%	■ Relative Humidity is likely to range from 37% to 85%.
■ Wind speed ranged from 5 to 6 kmph	■ Wind speed may reach upto 1- 2 kmph
	Wind direction will be southeasterly

#### **General Recommendations**

- Spraying operation should be done only on dry/clear weather
- Obtain seeds from reputed/certified/reliable source
- Use fertilizers/pesticides as per recommended doses for the location
- Preference must be given on use of organic manures/bio-fertilizers & bio-pesticides

Main	Stage	Pest/	Agro-meteorological Advisories	
Crops		Diseases		
TRC/WRC paddy	Storage		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.	
Toria	Maturing stage		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.	
Rabi maize	Maturing stage		Provide mulching to conserve moisture	
Linseed/lentil	Maturing stage	Soil moisture conservation techniques like mulching with crop residu recommended		
			Horticultural crop	
Khasi mandarin	Harvesting stage		Harvest the ripened fruits at the right time. Collect and discard the fallen fruits	

Vegetables		Intercultural operations in vegetables are advised to remove the weeds.	
Cauliflower, cabbage,	Black spot	Prevailing weather may conducive for black spot disease in Cole Crops and other leafy vegetables. On leaves 'V' shaped chlorotic to yellow lesions develop from the leaf margins. They become black later. The veins and veinlets become black. Systemic infection spreads to the root. The vascular bundle in the stem becomes black followed by integration of fleshy stalk. The attack of soft rot organisms causes further detoriation. The cabbage heads and cauliflower curds are invaded and become discoloured.  To manage the attack in leafy vegetables and Cole crops, Mancozeb @ 2gm per liter of water may be sprayed. Intercultural operation should be avoided when the plants are wet. Provision of drainage and free air movement to dry the moisture present in the soil	
	Cut worm	Spray Neem seed kernel extract @500g/ha twice at 10 days interval.  Frequent Monitoring should be done and mechanically destroy the caterpillar	
Litchi		Mulch the tree basin, protect young litchi plants from cold and suppress new flush by application of growth inhibitors	
Ginger / turmeric	Maturity stage	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.	
<ul> <li>Livestock</li> <li>Ensure periodic vaccination of animals against FMD, Brucellosis, Haemorrahagic 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>			
Poultry	<ul> <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>		
Piggery	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		

	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.	
	Fisheries Fisher	
нфзиц ICAR	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.	

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



# Integrated Agromet Advisory Service Bulletin from 20<sup>th</sup> to 24<sup>th</sup> Jan'18 Peren District

### **Bulletin No:06/2018**

Weather summary of the preceding week	Weather forecast valid upto 24 <sup>th</sup> Jan 2018
■ No rain occurred the past week	■ Probability of no rain the coming week.
■ Maximum and minimum temperatures ranged	■ Max temp is likely to be 22 <sup>o</sup> C - 23 <sup>o</sup> C and the min temp 10 <sup>o</sup> C to 11 <sup>o</sup> C
$20^{\circ}$ C to $21^{\circ}$ C and $5^{\circ}$ C to $7^{\circ}$ C, respectively.	Sky is likely to be clear the coming week
■ Relative humidity varied from 39% to 90%.	■ Relative Humidity is likely to range from 29% to 85%.
■ Wind speed ranged from 3 to 4 kmph	■ Wind speed may reach upto 2-3 kmph
	Wind direction will be southeasterly

#### **General Recommendations**

- Spraying operation should be done only on dry/clear weather
- Obtain seeds from reputed/certified/reliable source
- Use fertilizers/pesticides as per recommended doses for the location
- Preference must be given on use of organic manures/bio-fertilizers & bio-pesticides

Main Crops	Stage	Pest/	Agro-meteorological Advisories
		Diseases	
TRC/WRC paddy	Storage		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.
Toria	Flowering stage	-	Keep the field free from weeds and daily scouting of the field should be done for aphid
Rabi maize	Silking stage		Weeding and earthing up should be carried out
Linseed/lentil	vegetative stage		Soil moisture conservation techniques like mulching with crop residue is recommended
			Horticultural crop
Khasi	Harvesting		Harvest the ripened fruits at the right time. Collect and discard the fallen
mandarin	stage		fruits

Vegetables		Intercultural operations in vegetables are advised to remove the weeds.
Cauliflower, cabbage,	Black spo	Prevailing weather may conducive for black spot disease in Cole Crops and other leafy vegetables. On leaves 'V' shaped chlorotic to yellow lesions develop from the leaf margins. They become black later. The veins and veinlets become black. Systemic infection spreads to the root. The vascular bundle in the stem becomes black followed by integration of fleshy stalk. The attack of soft rot organisms causes further detoriation. The cabbage heads and cauliflower curds are invaded and become discoloured.  To manage the attack in leafy vegetables and Cole crops, Mancozeb @ 2gm per liter of water may be sprayed. Intercultural operation should be avoided when the plants are wet. Provision of drainage and free air movement to dry the moisture present in the soil
	Cut worn	
Litchi		Mulch the tree basin, protect young litchi plants from cold and suppress new flush by application of growth inhibitors
Ginger / turmeric	Maturity stage	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.
• Animals si - 20% in the	hould be given mineral mixtu he daily ration during winter s	Livestock against FMD, Brucellosis, Haemorrahagic Septicaemia, Anthrax re along with salt regularly and wheat grains, jaggery etc. may be provided @ 10% leason to meet the energy requirement of the animals
Poultry	feeding of damp and foul smelling feed to all livestock and poultry  ➤ Provide good ventilation but prevent chill air from entering in  ➤ Seal all the cracks and crevices in the house  ➤ Side curtains can be used during severe winds and draft thus sealing the house from cold draft	

> 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

> Provide warm water to the birds



Piggery	<ul> <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>
	Fisheries
	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

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	5 Dr. Mahak Singh Scientist		Animal Reproduction & Gynaecology	mahaksinghivri@gmail.com
	Dr. Azeze Seyie	Scientist	Spices, Plantation & Medicinal &	
6			Aromatic Plants	azezeseyie@yahoo.com
7 Jyotish Barman Scientist		Scientist	Fisheries Resource Management	jyotish5@gmail.com
8 Aabon W Yanthan Scientist		Scientist	Vegetable Science	aabon.iari@gmail.com



# **Integrated Agromet Advisory Service Bulletin from 20<sup>th</sup> to 24<sup>th</sup> Jan'18**Phek District

# **Bulletin No:06/2018**

Daile 111 1 10 10 0 1 20 1 0	
Weather summary of the preceding week	Weather forecast valid upto 24 <sup>th</sup> Jan 2018
■ No rain occurred the past week	■ Probability of no rain the coming week.
	■ Max temp is likely to be 18 <sup>o</sup> C - 19 <sup>o</sup> C and the min temp 7 <sup>o</sup> C to 8 <sup>o</sup> C
ranged $16^{\circ}$ C to $17^{\circ}$ C and $4^{\circ}$ C to $6^{\circ}$ C,	Sky is likely to be clear the coming week
respectively.	■ Relative Humidity is likely to range from 26% to 84%.
■ Relative humidity varied from 30% to 90%.	■ Wind speed may reach upto 2-4 kmph
■ Wind speed ranged from 1 to 2 kmph	Wind direction will be mostly southeasterly

#### **General Recommendations**

- Spraying operation should be done only on dry/clear weather
- Obtain seeds from reputed/certified/reliable source
- Use fertilizers/pesticides as per recommended doses for the location
- Preference must be given on use of organic manures/bio-fertilizers & bio-pesticides

	Field crops			
Main Stage Pest/		Pest/	Agro-meteorological Advisories	
Crops		Diseases		
TRC/WRC paddy	Storage		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.	
Toria	Flowering stage	-	Keep the field free from weeds and daily scouting of the field should be done for aphid	
Rabi maize	Silking stage		Weeding and earthing up should be carried out	
Linseed/lent il	vegetative stage		Soil moisture conservation techniques like mulching with crop residue is recommended	
Horticultural crop				
Khasi mandarin	Harvesting stage		Harvest the ripened fruits at the right time. Collect and discard the fallen fruits	

		Intercultural operations in vegetables are advised to remove the weeds.
	Black spot	Prevailing weather may conducive for black spot disease in Cole Crops and other leafy vegetables. On leaves 'V' shaped chlorotic to yellow lesions develop from the leaf margins. They become black later. The veins and veinlets become black. Systemic infection spreads to the root. The vascular bundle in the stem becomes black followed by integration of fleshy stalk. The attack of soft rot organisms causes further detoriation. The cabbage heads and cauliflower curds are invaded and become discoloured.  To manage the attack in leafy vegetables and Cole crops, Mancozeb @ 2gm per liter of water may be sprayed. Intercultural operation should be avoided when the plants are wet. Provision of drainage and free air movement to dry the moisture present in the soil
	Cut worm	Spray Neem seed kernel extract @500g/ha twice at 10 days interval.  Frequent Monitoring should be done and mechanically destroy the caterpillar
		Mulch the tree basin, protect young litchi plants from cold and suppress new flush by application of growth inhibitors
Maturity stage		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
		Cut worm

- Ensure periodic vaccination of animals against FMD, Brucellosis, Haemorrahagic Septicaemia, Anthrax
- 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
- Avoid feeding of damp and foul smelling feed to all livestock and poultry

#### **Poultry**

- > Provide good ventilation but prevent chill air from entering in
- > Seal all the cracks and crevices in the house
- > Side curtains can be used during severe winds and draft thus sealing the house from cold draft
- > 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

		> Provide warm water to the birds
	Piggery	<ul> <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>
		Fisheries
нарзіна ІСА R		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

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
	Dr. Azeze Seyie	Scientist	Spices, Plantation & Medicinal &	
6			Aromatic Plants	azezeseyie@yahoo.com
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8	Aabon W Yanthan	Scientist	Vegetable Science	aabon.iari@gmail.com





# Integrated Agromet Advisory Service Bulletin from 20<sup>th</sup> to 24<sup>th</sup> Jan'18 Tuensang District

#### **Bulletin No:06/2018**

Dailetiii 110100/2010	
Weather summary of the preceding week	Weather forecast valid upto 24 <sup>th</sup> Jan 2018
■ No rain occurred the past week	■ Probability of no rain the coming week.
■ Maximum and minimum temperatures ranged	■ Max temp is likely to be 18 <sup>o</sup> C - 19 <sup>o</sup> C and the min temp 7 <sup>o</sup> C to 8 <sup>o</sup> C
13 <sup>o</sup> C to 16 <sup>o</sup> C and 4 <sup>o</sup> C to 6 <sup>o</sup> C, respectively.	Sky is likely to be clear the coming week
■ Relative humidity varied from 30% to 95%.	■ Relative Humidity is likely to range from 28% to 85%.
<ul><li>Wind speed ranged from 3 to 4 kmph</li></ul>	■ Wind speed may reach upto 2-3 kmph
	■ Wind direction will be mostly southerly

#### **General Recommendations**

- Spraying operation should be done only on dry/clear weather
- Obtain seeds from reputed/certified/reliable source
- Use fertilizers/pesticides as per recommended doses for the location
- Preference must be given on use of organic manures/bio-fertilizers & bio-pesticides

Main	Stage	Pest/	Agro-meteorological Advisories
Crops		Diseases	
TRC/WRC	Storage		Dry the paddy grains properly and regularly before storing to reduce
paddy			storage insect pests and fungus. Paddy grains can be mixed with neem leaves at the time of storage to reduce storage pests.
Toria	Flowering stage	-	Keep the field free from weeds and daily scouting of the field should be done for aphid
Rabi maize	Silking stage		Weeding and earthing up should be carried out
Linseed/lenti l	vegetative stage		Soil moisture conservation techniques like mulching with crop residue is recommended
			Horticultural crop
Khasi mandarin	Harvesting stage		Harvest the ripened fruits at the right time. Collect and discard the fallen fruits
Vegetables			Intercultural operations in vegetables are advised to remove the weeds.

Cauliflowe	r,	Black spot	Prevailing weather may conducive for black spot disease in Cole Crops and	
cabbage,		-	other leafy vegetables. On leaves 'V' shaped chlorotic to yellow lesions	
			develop from the leaf margins. They become black later. The veins and	
			veinlets become black. Systemic infection spreads to the root. The vascular	
			bundle in the stem becomes black followed by integration of fleshy stalk. The	
			attack of soft rot organisms causes further detoriation. The cabbage heads	
			and cauliflower curds are invaded and become discoloured.	
			To manage the attack in leafy vegetables and Cole crops, Mancozeb @ 2gm	
			per liter of water may be sprayed. Intercultural operation should be avoided	
			when the plants are wet. Provision of drainage and free air movement to dry	
			the moisture present in the soil	
		Cut worm	Spray Neem seed kernel extract @500g/ha twice at 10 days interval.	
			Frequent Monitoring should be done and mechanically destroy the	
			caterpillar	
Litchi			Mulch the tree basin, protect young litchi plants from cold and suppress	
Circa and	Maturity eta ca		new flush by application of growth inhibitors  For Ginger and turmeric, field must be inspected daily for disease	
Ginger / turmeric	Maturity stage		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.	
_			Livestock	
	-		gainst FMD, Brucellosis, Haemorrahagic Septicaemia, Anthrax	
			e along with salt regularly and wheat grains, jaggery etc. may be provided @ er season to meet the energy requirement of the animals	
	•		feed to all livestock and poultry	
Poultry		➤ Provide good ventilation but prevent chill air from entering in		
	➤ Seal all the cracl			
	Side curtains can	➤ Side curtains can be used during severe winds and draft thus sealing the house from cold draft		
		added to feed	and energy levels in the feed can be raised to meet the higher energy need of	
	the bird			
		> Provide warm water to the birds		
Piggery	· ·	1 0	t all stages. It is a viral flu and highly contagious. Clinical signs include high	
			ons, constipation followed by diarrhea and vomiting, less appetite. Once the	
	• •		ately informed the nearby veterinary doctor	
	Sick or injured	d animals sho	ould 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.
	Fisheries
भाकुंअनुम् ICAR	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

Sl.no	Name	Designation	Department	
1	Dr.D.J. Rajkhowa	Principle Scientist	Agronomy	djrajkhowa@gmail.com
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6			Aromatic Plants	azezeseyie@yahoo.com
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# Integrated Agromet Advisory Service Bulletin from 20<sup>th</sup> to 24<sup>th</sup> Jan'18 Wokha District

# Bulletin No:06/2018

Weather summary of the preceding week	Weather forecast valid upto 24 <sup>th</sup> Jan 2018
■ No rain occurred the past week	Probability of no rain the coming week.
■ Maximum and minimum temperatures ranged	■ Max temp is likely to be $22^{\circ}$ C - $23^{\circ}$ C and the min temp $10^{\circ}$ C to $11^{\circ}$ C
$20^{\circ}$ C to $21^{\circ}$ C and $6^{\circ}$ C to $7^{\circ}$ C, respectively.	Sky is likely to be clear the coming week
■ Relative humidity varied from 43% to 90%.	• Relative Humidity is likely to range from 39% to 84%.
■ Wind speed ranged from 4 to 5 kmph	■ Wind speed may reach upto 4- 5 kmph
	Wind direction will be southeasterly

#### **General Recommendations**

- Spraying operation should be done only on dry/clear weather
- Obtain seeds from reputed/certified/reliable source
- Use fertilizers/pesticides as per recommended doses for the location
- Preference must be given on use of organic manures/bio-fertilizers & bio-pesticides

Main	Stage	Pest/	Agro-meteorological Advisories
Crops		Diseases	
TRC/WRC paddy	Storage		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.
Toria	Flowering stage	-	Keep the field free from weeds and daily scouting of the field should be done for aphid
Rabi maize	Silking stage		Weeding and earthing up should be carried out
Linseed/lentil	vegetative stage		Soil moisture conservation techniques like mulching with crop residue is recommended
			Horticultural crop
Khasi mandarin	Harvesting stage		Harvest the ripened fruits at the right time. Collect and discard the fallen fruits
Vegetables			Intercultural operations in vegetables are advised to remove the weeds.

	Black spot	Prevailing weather may conducive for black spot disease in Cole Crops and other leafy vegetables. On leaves 'V' shaped chlorotic to yellow lesions develop from the leaf margins. They become black later. The veins and veinlets become black. Systemic infection spreads to the root. The vascular bundle in the stem becomes black followed by integration of fleshy stalk. The attack of soft rot organisms causes further detoriation. The cabbage heads and cauliflower curds are invaded and become discoloured.  To manage the attack in leafy vegetables and Cole crops, Mancozeb @ 2gm per liter of water may be sprayed. Intercultural operation should be avoided when the plants are wet. Provision of drainage and free air movement to dry the moisture present in the soil  Spray Neem seed kernel extract @500g/ha twice at 10 days interval. Frequent Monitoring should be done and mechanically destroy the caterpillar
		Mulch the tree basin, protect young litchi plants from cold and suppress new flush by application of growth inhibitors
Maturity stage		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.
	Maturity stage	Cut worm

- Ensure periodic vaccination of animals against FMD, Brucellosis, Haemorrahagic Septicaemia, Anthrax
- 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
- Avoid feeding of damp and foul smelling feed to all livestock and poultry

#### **Poultry**

- Provide good ventilation but prevent chill air from entering in
- > Seal all the cracks and crevices in the house
- > Side curtains can be used during severe winds and draft thus sealing the house from cold draft
- > 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
- > Provide warm water to the birds



	Piggery	<ul> <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>
нфзиц ІСАК		Fisheries
		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

Sl.no	Name	ame 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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	Dr. Azeze Seyie Scientist Spices, Plantation & Medicinal &			
6	6   A		Aromatic Plants	azezeseyie@yahoo.com
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# Integrated Agromet Advisory Service Bulletin from 20<sup>th</sup> to 24<sup>th</sup> Jan'18 Zunheboto District

### **Bulletin No:06/2018**

Weather summary of the preceding week	Weather forecast valid upto 24 <sup>th</sup> Jan 2018
■ No rain occurred the past week	■ Probability of no rain the coming week.
■ Maximum and minimum temperatures ranged	■ Max temp is likely to be 18 <sup>o</sup> C - 19 <sup>o</sup> C and the min temp 7 <sup>o</sup> C to 8 <sup>o</sup> C
16 <sup>o</sup> C to 18 <sup>o</sup> C and 3 <sup>o</sup> C to 5 <sup>o</sup> C, respectively.	■ Sky is likely to be clear the coming week
■ Relative humidity varied from 37% to 85%.	■ Relative Humidity is likely to range from 37% to 88%.
<ul><li>Wind speed ranged from 4 to 5 kmph</li></ul>	■ Wind speed may reach upto 3-4 kmph
	Wind direction will be mostly southeasterly

#### **General Recommendations**

- Spraying operation should be done only on dry/clear weather
- Obtain seeds from reputed/certified/reliable source
- Use fertilizers/pesticides as per recommended doses for the location
- Preference must be given on use of organic manures/bio-fertilizers & bio-pesticides

Main Crops	Stage	Pest/ Diseases	Agro-meteorological Advisories	
TRC/WRC paddy	Storage		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.	
Toria	Flowering stage	-	Keep the field free from weeds and daily scouting of the field should be done for aphid	
Rabi maize	Silking stage		Weeding and earthing up should be carried out	
Linseed/lent il	vegetative stage		Soil moisture conservation techniques like mulching with crop residue is recommended	
Horticultural crop				
Khasi mandarin	Harvesting stage		Harvest the ripened fruits at the right time. Collect and discard the fallen fruits	

Vegetables			Intercultural operations in vegetables are advised to remove the weeds.		
Cauliflower, cabbage,		Black spot	Prevailing weather may conducive for black spot disease in Cole Crops and other leafy vegetables. On leaves 'V' shaped chlorotic to yellow lesions develop from the leaf margins. They become black later. The veins and veinlets become black. Systemic infection spreads to the root. The vascular bundle in the stem becomes black followed by integration of fleshy stalk. The attack of soft rot organisms causes further detoriation. The cabbage heads and cauliflower curds are invaded and become discoloured.  To manage the attack in leafy vegetables and Cole crops, Mancozeb @ 2gm per liter of water may be sprayed. Intercultural operation should be avoided when the plants are wet. Provision of drainage and free air movement to dry the moisture present in the soil		
		Cut worm	Spray Neem seed kernel extract @500g/ha twice at 10 days interval. Frequent Monitoring should be done and mechanically destroy the caterpillar		
Litchi			Mulch the tree basin, protect young litchi plants from cold and suppress new flush by application of growth inhibitors		
Ginger / turmeric	Maturity stage		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.		
	Livestock				
• Anima 10% -	<ul> <li>Ensure periodic vaccination of animals against FMD, Brucellosis, Haemorrahagic 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>				
Poultry	➤ Provide good ventilation but prevent chill air from entering in				
	> Seal all the cracks and crevices in the house				
	<ul> <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</li> </ul>				
	the bird				
	> Provide warm	water to the bird	ds		
Piggery	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  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.
	Fisheries
भाकु अनुप	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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