



# Integrated Agromet Advisory Service Bulletin from 10<sup>th</sup> to 14<sup>th</sup> Feb'18 Dimapur District

#### **Bulletin No:12/2018**

Weather summary of the preceding week	Weather forecast valid upto 14 <sup>th</sup> Feb 2018
■ No rain occurred the past week	Probability of no rain the coming week.
■ Maximum and minimum temperatures ranged 24 <sup>o</sup> C to	■ Max temp is likely to be $26^{\circ}$ C - $27^{\circ}$ C and the min temp $13^{\circ}$ C to $14^{\circ}$ C
25°C and 12°C to 13°C, respectively.	■ Sky is likely to be mainly cloudy the coming week
Relative humidity varied from 22% to 88%.	■ <b>Relative Humidity</b> is likely to range from 16% to 81%.
■ Wind speed ranged from 2 to 3 kmph	■ Wind speed may reach upto 3-4 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

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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	Harvesting		Intercultural operations in vegetables are advised to remove the weeds.
Cauliflower, cabbage,	Maturing stage	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		Bark eating caterpillar	The caterpillar bore inside the trunk or main stem. During night they came out and feed on the bark of the stem. The stem becomes weak and ultimately fall on the ground.		
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>Animals should be given lukewarm feed and water to drink</li> <li>To maintain the body temperature of animals in milk, they should be fed with a mixture of oil cakes and jaggery</li> </ul>					
Poultry	• Provisio	Provision for footbath and restriction of visitors			
Piggery	<ul><li>FMD an</li><li>Provide</li></ul>	<ul> <li>Deworm the pig with suitable anthelminthis</li> <li>FMD and classical swine fever vaccination is to be done</li> <li>Provide vitamin and mineral supplements to pregnant sows</li> </ul>			

Fisheries



•	Drain the pond (if the pond is an old one from which the fish have been harvested). Remove silt on the	
	pond bottom; this can be used as fertilizer.	

Apply lime to condition the soil. Liming activates fertilizers and controls acidic soils which may harm the fish

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



# Integrated Agromet Advisory Service Bulletin from 10<sup>th</sup> to 14<sup>th</sup> Feb'18 Kiphire District

#### **Bulletin No:12/2018**

Weather summary of the preceding week	Weather forecast valid upto 14 <sup>th</sup> Feb 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 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 mainly cloudy the coming week
■ Relative humidity varied from 26% to 88%.	■ Relative Humidity is likely to range from 14% to 79%.
■ 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

### 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	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	Harvesting		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,	Maturing stage	Cut worm	other leafy vegetables. On leaves 'V' shaped chlorotic to yellow lesions develop

Litchi		Bark eating caterpillar	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  The caterpillar bore inside the trunk or main stem. During night they came out and feed on the bark of the stem. The stem becomes weak and ultimately fall on the ground.			
Ginger turmeri			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 should be given min 20% in the daily ration during Animals should be given luked To maintain the body temperates.	Livestock riodic vaccination of animals against FMD, Brucellosis, Haemorrahagic Septicaemia, Anthrax should be given mineral mixture along with salt regularly and wheat grains, jaggery etc. may be provided @ 10% - e daily ration during winter season to meet the energy requirement of the animals hould be given lukewarm feed and water to drink in the body temperature of animals in milk, they should be fed with a mixture of oil cakes and jaggery				
<b>3</b>	Provision for	<ul> <li>Provision for footbath and restriction of visitors</li> <li>Medication procedure should be followed based on seasonal outbreaks</li> </ul>				
Piggery	<ul><li>FMD and c</li><li>Provide vita</li></ul>	lassical swine f	ble anthelminthis ever vaccination is to be done ral supplements to pregnant sows the for piglets			
			Fisheries			



- Drain the pond (if the pond is an old one from which the fish have been harvested). Remove silt on the pond bottom; this can be used as fertilizer.
- Apply lime to condition the soil. Liming activates fertilizers and controls acidic soils which may harm the fish

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





# **Integrated Agromet Advisory Service Bulletin from 10<sup>th</sup> to 14<sup>th</sup> Feb'18**Kohima District

### **Bulletin No:12/2018**

Weather summary of the preceding week	Weather forecast valid upto 14 <sup>th</sup> Feb 2018
■ No rain occurred the past week	Probability of no rain the coming week.
■ Maximum and minimum temperatures ranged 23	■ Max temp is likely to be $19^{\circ}$ C - $20^{\circ}$ C and the min temp $9^{\circ}$ C to $10^{\circ}$ C
<sup>0</sup> C to 24 <sup>0</sup> C and 9 <sup>0</sup> C to 10 <sup>0</sup> C, respectively.	Sky is likely to be mainly cloudy the coming week
Relative humidity varied from 25% to 95%.	• Relative Humidity is likely to range from 17% to 76%.
■ Wind speed ranged from 3 to 4 kmph	■ Wind speed may reach upto 3-4kmph
	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

	Tiem crops		
<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		Horticultural crop	
Khasi mandarin	Harvesting stage		Harvest the ripened fruits at the right time. Collect and discard the fallen fruits

Field crops

Vegetables	Harvesting		Intercultural operations in vegetables are advised to remove the weeds.
Cauliflower, cabbage,	Maturing stage	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.
		Cut worm	Frequent Monitoring should be done and mechanically destroy the caterpillar
Litchi		Bark eating caterpillar	The caterpillar bore inside the trunk or main stem. During night they came out and feed on the bark of the stem. The stem becomes weak and ultimately fall on the ground.
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
- Animals should be given lukewarm feed and water to drink
- To maintain the body temperature of animals in milk, they should be fed with a mixture of oil cakes and jaggery

#### **Poultry**

- Sick birds should be isolated from rest of the flocks
- Provision for footbath and restriction of visitors
- Medication procedure should be followed based on seasonal outbreaks

	Piggery	<ul> <li>Deworm the pig with suitable anthelminthis</li> <li>FMD and classical swine fever vaccination is to be done</li> </ul>
Provide vitamin and mineral supplent		Provide vitamin and mineral supplements to pregnant sows
		Provide exposure to sunlight for piglets     Fisheries
भाकुअनुप		<ul> <li>Drain the pond (if the pond is an old one from which the fish have been harvested). Remove silt on the pond bottom; this can be used as fertilizer.</li> <li>Apply lime to condition the soil. Liming activates fertilizers and controls acidic soils which may harm the fish</li> </ul>

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3	3 Ph. Romen Sharma Scientist Agricultural Extension		Agricultural Extension	romen.agext@gmail.com
4	Dr. Rajesha G	Or. Rajesha G Scientist Plant Pathology		rajeshag337@gmail.com
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	Dr. Azeze Seyie	Scientist	Spices, Plantation & Medicinal &	
6			Aromatic Plants	azezeseyie@yahoo.com
7 Jyotish Barman Scientist Fisheries Resource Mana		Fisheries Resource Management	jyotish5@gmail.com	
8 Aabon W Yanthan Scientist Vegetable Science		aabon.iari@gmail.com		



# Integrated Agromet Advisory Service Bulletin from 10<sup>th</sup> to 14<sup>th</sup> Feb'18 Longleng District

#### **Bulletin No:12/2018**

Weather summary of the preceding week	Weather forecast valid upto 14 <sup>th</sup> Feb 2018
■ No rain occurred the past week	Probability of no rain the coming week.
■ Maximum and minimum temperatures ranged 24 <sup>o</sup> C	■ Max temp is likely to be 22 <sup>o</sup> C - 23 <sup>o</sup> C and the min temp 11 <sup>o</sup> C to 12 <sup>o</sup> C
to 25 <sup>o</sup> C and 10 <sup>o</sup> C to 11 <sup>o</sup> C, respectively.	Sky is likely to be mainly clear the coming week
■ Relative humidity varied from 30% to 95%.	■ Relative Humidity is likely to range from 25% to 78%.
■ Wind speed ranged from 1 to 2 kmph	■ Wind speed may reach upto 3-4 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 crops
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Agra-meteorological Advisories

Maiii	Stage	resu	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
Horticultural crop			Horticultural crop
Khasi	Harvesting stage		Harvest the ripened fruits at the right time. Collect and discard the fallen
mandarin			fruits
Vegetables	Harvesting		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,	Maturing stage	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		Bark	The caterpillar bore inside the trunk or main stem. During night they	
		eating caterpillar	came out and feed on the bark of the stem. The stem becomes weak and ultimately fall on the ground.	
Ginger /	Maturity stage	caterpinar	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.	
			Livestock	
Ensure periodic vaccination of animals against		imals against	FMD, Brucellosis, Haemorrahagic Septicaemia, Anthrax	
			ng with salt regularly and wheat grains, jaggery etc. may be provided @	
			ason to meet the energy requirement of the animals	
	should be given lukewarm feed and water to drink ain the body temperature of animals in milk, they should be fed with a mixture of oil cakes and jaggery			
Poultry	Sick birds should be isolated from rest of the flocks			
	Provision for footbath and restriction of visitors			
	Medication procedure should be followed based on seasonal outbreaks			
Piggery	Deworm the pig with suitable anthelminthis			
	FMD and class	ical swine fe	ver vaccination is to be done	
	Provide vitamin	Provide vitamin and mineral supplements to pregnant sows		
	Provide exposure to sunlight for piglets			

	Fisheries
High singuistic and the state of the state o	<ul> <li>Drain the pond (if the pond is an old one from which the fish have been harvested). Remove silt on the pond bottom; this can be used as fertilizer.</li> <li>Apply lime to condition the soil. Liming activates fertilizers and controls acidic soils which may harm the fish</li> </ul>

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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 10<sup>th</sup> to 14<sup>th</sup> Feb'18 Mokokchung District

#### **Bulletin No:12/2018**

Weather summary of the preceding week	Weather forecast valid upto 14 <sup>th</sup> Feb 2018
■ No rain occurred the past week	Probability of no rain the coming week.
<ul><li>Maximum and minimum temperatures ranged</li></ul>	■ Max temp is likely to be 22 <sup>o</sup> C - 23 <sup>o</sup> C and the min temp 11 <sup>o</sup> C to 12 <sup>o</sup> C
24°C to 25°C and 10°C to 11°C, respectively.	■ Sky is likely to be mainly cloudy the coming week
■ Relative humidity varied from 42% to 90%.	■ Relative Humidity is likely to range from 14% to 78%.
■ Wind speed ranged from 1 to 2 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/ 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/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	Harvesting		Intercultural operations in vegetables are advised to remove the weeds.	

Cauliflower, cabbage,	Maturing stage	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		Bark eating caterpillar	The caterpillar bore inside the trunk or main stem. During night they came out and feed on the bark of the stem. The stem becomes weak and ultimately fall on the ground.
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>Anima</li><li>20% in</li><li>Anima</li></ul>	uls should be given min the daily ration durin the should be given luk	neral mixture al ag winter season tewarm feed and	Livestock  nst FMD, Brucellosis, Haemorrahagic Septicaemia, Anthrax long with salt regularly and wheat grains, jaggery etc. may be provided @ 10% - to meet the energy requirement of the animals
Poultry	<ul> <li>Sick birds should be isolated from rest of the flocks</li> <li>Provision for footbath and restriction of visitors</li> <li>Medication procedure should be followed based on seasonal outbreaks</li> </ul>		
Piggery	<ul> <li>Medication procedure should be followed based on seasonal outbreaks</li> <li>Deworm the pig with suitable anthelminthis</li> <li>FMD and classical swine fever vaccination is to be done</li> <li>Provide vitamin and mineral supplements to pregnant sows</li> <li>Provide exposure to sunlight for piglets</li> </ul>		
		8	Fisheries



- Drain the pond (if the pond is an old one from which the fish have been harvested). Remove silt on the pond bottom; this can be used as fertilizer.
- Apply lime to condition the soil. Liming activates fertilizers and controls acidic soils which may harm the fish

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6			Aromatic Plants	azezeseyie@yahoo.com
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# **Integrated Agromet Advisory Service Bulletin from 10<sup>th</sup> to 14<sup>th</sup> Feb'18 Mon District**

### **Bulletin No:12/2018**

Weather summary of the preceding week	Weather forecast valid upto 14 <sup>th</sup> Feb 2018
■ No rain occurred the past week	Probability of no rain the coming week.
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$24^{\circ}$ C to $25^{\circ}$ C and $10^{\circ}$ C to $11^{\circ}$ C, respectively.	Sky is likely to be mainly cloudy the coming week
■ Relative humidity varied from 30% to 91%	■ Relative Humidity is likely to range from 25% to 78%.
■ Wind speed ranged from 2 to 4 kmph	■ Wind speed may reach upto 3- 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	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	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 residue is recommended
			Horticultural crop
Khasi	Harvesting stage		Harvest the ripened fruits at the right time. Collect and discard the fallen
mandarin			fruits

Aaturing stage	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 deteoration. The cabbage heads
Cauliflower, cabbage, Maturing stage		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
	Bark eating caterpillar	The caterpillar bore inside the trunk or main stem. During night they came out and feed on the bark of the stem. The stem becomes weak and ultimately fall on the ground.
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.
		Bark eating caterpillar

- 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
- Animals should be given lukewarm feed and water to drink
- To maintain the body temperature of animals in milk, they should be fed with a mixture of oil cakes and jaggery

Poultry	Sick birds should be isolated from rest of the flocks
	Provision for footbath and restriction of visitors
	Medication procedure should be followed based on seasonal outbreaks
Piggery	Deworm the pig with suitable anthelminthis
	FMD and classical swine fever vaccination is to be done
	Provide vitamin and mineral supplements to pregnant sows
	Provide exposure to sunlight for piglets



# **Fisheries**

- Drain the pond (if the pond is an old one from which the fish have been harvested). Remove silt on the pond bottom; this can be used as fertilizer.
- Apply lime to condition the soil. Liming activates fertilizers and controls acidic soils which may harm the fish

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



# Integrated Agromet Advisory Service Bulletin from 10<sup>th</sup> to 14<sup>th</sup> Feb'18 Peren District

#### **Bulletin No:12/2018**

Weather summary of the preceding week	Weather forecast valid upto 14 <sup>th</sup> Feb 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 11 <sup>o</sup> C to 12 <sup>o</sup> C
$24^{\circ}$ C to $25^{\circ}$ C and $9^{\circ}$ C to $10^{\circ}$ C, respectively.	■ Sky is likely to be mainly cloudy the coming week
■ Relative humidity varied from 27% to 93%.	■ Relative Humidity is likely to range from 10% to 78%.
■ Wind speed ranged from 2 to 3 kmph	■ Wind speed may reach upto 2-3 kmph
	Wind direction will be southeasterly

#### **General Recommendations**

Main Crons

- 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 crops

Agra-meteorological Advisories

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	Harvesting		Intercultural operations in vegetables are advised to remove the weeds.
Cauliflower, cabbage,	Maturing stage	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.
Litchi		Bark eating caterpillar	Frequent Monitoring should be done and mechanically destroy the caterpillar  The caterpillar bore inside the trunk or main stem. During night they came out and feed on the bark of the stem. The stem becomes weak and ultimately fall on the ground.
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>Animals s</li><li>20% in t</li><li>Animals s</li></ul>	hould be given min he daily ration duri hould be given luk	neral mixture ng winter sea ewarm feed a	Livestock ainst FMD, Brucellosis, Haemorrahagic Septicaemia, Anthrax along with salt regularly and wheat grains, jaggery etc. may be provided @ 10% son to meet the energy requirement of the animals
Poultry	<ul> <li>Sick birds should be isolated from rest of the flocks</li> <li>Provision for footbath and restriction of visitors</li> <li>Medication procedure should be followed based on seasonal outbreaks</li> </ul>		
Piggery	<ul> <li>Deworm the pig with suitable anthelminthis</li> <li>FMD and classical swine fever vaccination is to be done</li> <li>Provide vitamin and mineral supplements to pregnant sows</li> </ul>		

Provide exposure to sunlight for piglets
Fisheries
<ul> <li>Drain the pond (if the pond is an old one from which the fish have been harvested). Remove silt on the pond bottom; this can be used as fertilizer.</li> <li>Apply lime to condition the soil. Liming activates fertilizers and controls acidic soils which may harm the fish</li> </ul>

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



# Integrated Agromet Advisory Service Bulletin from 10<sup>th</sup> to 14<sup>th</sup> Feb'18 Phek District

#### **Bulletin No:12/2018**

2 0210 0211 1 (0 0 2 2 / 2 0 2 0	
Weather summary of the preceding week	Weather forecast valid upto 14 <sup>th</sup> Feb 2018
■ No rain occurred the past week	■ 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 9 <sup>o</sup> C to 10 <sup>o</sup> C
ranged $24^{\circ}$ C to $25^{\circ}$ C and $8^{\circ}$ C to $9^{\circ}$ C,	Sky is likely to be mainly cloudy the coming week
respectively.	■ Relative Humidity is likely to range from 17% to 75%.
■ Relative humidity varied from 27% to 90%.	■ Wind speed may reach upto 2-3 kmph
■ Wind speed ranged from 1 to 2 kmph	Wind direction will be mostly southeasterly

#### **General Recommendations**

mandarin

stage

- 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/	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	Harvesting		Harvest the ripened fruits at the right time. Collect and discard the fallen fruits		

Vegetables	Harvesting		Intercultural operations in vegetables are advised to remove the weeds.
Cauliflower, cabbage,	Maturing stage	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		Bark eating caterpillar	The caterpillar bore inside the trunk or main stem. During night they came out and feed on the bark of the stem. The stem becomes weak and ultimately fall on the ground.
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
- Animals should be given lukewarm feed and water to drink
- To maintain the body temperature of animals in milk, they should be fed with a mixture of oil cakes and jaggery

#### **Poultry**

- Sick birds should be isolated from rest of the flocks
- Provision for footbath and restriction of visitors
- Medication procedure should be followed based on seasonal outbreaks

	Piggery	<ul> <li>Deworm the pig with suitable anthelminthis</li> <li>FMD and classical swine fever vaccination is to be done</li> </ul>		
		<ul> <li>Provide vitamin and mineral supplements to pregnant sows</li> <li>Provide exposure to sunlight for piglets</li> </ul>		
	Fisheries			
на зна при		<ul> <li>Drain the pond (if the pond is an old one from which the fish have been harvested). Remove silt on the pond bottom; this can be used as fertilizer.</li> <li>Apply lime to condition the soil. Liming activates fertilizers and controls acidic soils which may harm the fish</li> </ul>		

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





# Integrated Agromet Advisory Service Bulletin from 10<sup>th</sup> to 14<sup>th</sup> Feb'18 Tuensang District

#### Bulletin No:12/2018

Dailettii 110112/2010	
Weather summary of the preceding week	Weather forecast valid upto 14 <sup>th</sup> Feb 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 17 <sup>o</sup> C - 18 <sup>o</sup> C and the min temp 7 <sup>o</sup> C to 8 <sup>o</sup> C
20°C to 21°C and 6°C to 7°C, respectively.	Sky is likely to be mainly cloudy the coming week
■ Relative humidity varied from 25% to 95%.	■ Relative Humidity is likely to range from 12% to 75%.
<ul><li>Wind speed ranged from 2 to 3 kmph</li></ul>	■ Wind speed may reach upto 3-4 kmph
	■ Wind direction will be mostly southerly

#### **General Recommendations**

Linseed/lenti

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

vegetative 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 crops Agro-meteorological Advisories Main Pest/ Stage **Diseases Crops** TRC/WRC Dry the paddy grains properly and regularly before storing to reduce Storage storage insect pests and fungus. Paddy grains can be mixed with neem paddy leaves at the 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 Rabi maize Silking stage Weeding and earthing up should be carried out

l			recommended
Horticultural crop			Horticultural crop
Khasi mandarin	Harvesting stage		Harvest the ripened fruits at the right time. Collect and discard the fallen fruits
Vegetables	Harvesting		Intercultural operations in vegetables are advised to remove the weeds.

Soil moisture conservation techniques like mulching with crop residue is

Cauliflower,		Black spot	Prevailing weather may conducive for black spot disease in Cole Crops and	
cabbage,	Maturing stage		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	
			· · · · · · · · · · · · · · · · · · ·	
		Cut worm	the moisture present in the soil  Spran Near good kornel extract @ 500g/hg twice at 10 days internal	
		Cut worm	Spray Neem seed kernel extract @500g/ha twice at 10 days interval.	
			Frequent Monitoring should be done and mechanically destroy the	
T * / T *		D 1 4	caterpillar	
Litchi		Bark eating caterpillar	The caterpillar bore inside the trunk or main stem. During night they came out and feed on the bark of the stem. The stem becomes weak and ultimately	
		Caterpinal	fall on the ground.	
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.	
			Livestock	
	*		ainst 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	
	nimals should be given lukewarm feed and water to drink o maintain the body temperature of animals in milk, they should be fed with a mixture of oil cakes and jaggery			
Poultry	Sick birds should be isolated from rest of the flocks			
	<ul> <li>Provision for footbath and restriction of visitors</li> </ul>			
Medication procedure should be followed based on seasonal outbreaks				
Piggery	Deworm the pig with suitable anthelminthis			
1 18801 9	• FMD and classical swine fever vaccination is to be done			
	Provide vitamin and mineral supplements to pregnant sows    Provide vitamin and mineral supplements to pregnant sows   Provide vitamin and mineral supplements to pregnant sows   Provide vitamin and mineral supplements to pregnant sows   Provide vitamin and mineral supplements to pregnant sows   Provide vitamin and mineral supplements to pregnant sows   Provide vitamin and mineral supplements to pregnant sows   Provide vitamin and mineral supplements to pregnant sows   Provide vitamin and mineral supplements to pregnant sows   Provide vitamin and mineral supplements to pregnant sows   Provide vitamin and mineral supplements   Provide vitamin and mi			
	Provide exposure to sunlight for piglets			



# **Fisheries**

- Drain the pond (if the pond is an old one from which the fish have been harvested). Remove silt on the pond bottom; this can be used as fertilizer.
- Apply lime to condition the soil. Liming activates fertilizers and controls acidic soils which may harm the fish

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# Integrated Agromet Advisory Service Bulletin from 10<sup>th</sup> to 14<sup>th</sup> Feb'18 Wokha District

### **Bulletin No:12/2018**

Weather summary of the preceding week	Weather forecast valid upto 14 <sup>th</sup> Feb 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 $11^{\circ}$ C to $12^{\circ}$ C
$24^{\circ}$ C to $25^{\circ}$ C and $9^{\circ}$ C to $10^{\circ}$ C, respectively.	Sky is likely to be mainly cloudy the coming week
■ Relative humidity varied from 27% to 90%.	• Relative Humidity is likely to range from 10% to 75%.
■ 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

### Field crops

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	Harvesting		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,	Maturing stage	1	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		
		Cost on a second	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		
			cucipiiui		
Litchi		Bark eating	The caterpillar bore inside the trunk or main stem. During night they		
		caterpillar	came out and feed on the bark of the stem. The stem becomes weak and ultimately fall on the ground.		
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.		
			Livestock		
-			st 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				
	s should be given luke				
To main	tain the body tempera	nture of animals	in milk, they should be fed with a mixture of oil cakes and jaggery		
Poultry			from rest of the flocks		
	Provision for footbath and restriction of visitors				
			d be followed based on seasonal outbreaks		

Deworm the pig with suitable anthelminthis

• FMD and classical swine fever vaccination is to be done



Piggery

<ul> <li>Provide vitamin and mineral supplements to pregnant sows</li> <li>Provide exposure to sunlight for piglets</li> </ul>
Fisheries
<ul> <li>Drain the pond (if the pond is an old one from which the fish have been harvested). Remove silt on the pond bottom; this can be used as fertilizer.</li> <li>Apply lime to condition the soil. Liming activates fertilizers and controls acidic soils which may harm the fish</li> </ul>

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





# Integrated Agromet Advisory Service Bulletin from 10<sup>th</sup> to 14<sup>th</sup> Feb'18 Zunheboto District

#### **Bulletin No:12/2018**

Weather summary of the preceding week	Weather forecast valid upto 14 <sup>th</sup> Feb 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 $19^{\circ}$ C - $20^{\circ}$ C and the min temp $9^{\circ}$ C to $10^{\circ}$ C
$23^{0}$ C to $25^{0}$ C and $8^{0}$ C to $9^{0}$ C, respectively.	■ Sky is likely to be mainly cloudy the coming week
■ Relative humidity varied from 30% to 99%.	■ Relative Humidity is likely to range from 17% to 75%.
<ul> <li>Wind speed ranged from 1 to 2 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

# Field crops

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	Harvesting		Intercultural operations in vegetables are advised to remove the weeds.	
cabbage,  Maturing stage  other leafy vegetables. On leaves 'V' shaped of develop from the leaf margins. They become be veinlets become black. Systemic infection spread bundle in the stem becomes black followed by integrated attack of soft rot organisms causes further detor and cauliflower curds are invaded and become distance to manage the attack in leafy vegetables and Comper liter of water may be sprayed. Intercultural of when the plants are wet. Provision of drainage and causes are supported by the state of the plants are wet. Provision of drainage and causes for the plants are wet. Provision of drainage and when the plants are wet.		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		Bark eating caterpillar	The caterpillar bore inside the trunk or main stem. During night they came out and feed on the bark of the stem. The stem becomes weak and ultimately fall on the ground.	
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				
<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>Animals should be given lukewarm feed and water to drink</li> <li>To maintain the body temperature of animals in milk, they should be fed with a mixture of oil cakes and jaggery</li> </ul>				
Poultry		Sick birds should be isolated from rest of the flocks		
		Provision for footbath and restriction of visitors  Medication procedure should be followed based on seasonal outbreaks		
Piggery			ble anthelminthis	
			ever vaccination is to be done	
	Provide vit	amin and miner	al supplements to pregnant sows	

	Provide exposure to sunlight for piglets
	Fisheries
нарзіні ІСАВ	<ul> <li>Drain the pond (if the pond is an old one from which the fish have been harvested). Remove silt on the pond bottom; this can be used as fertilizer.</li> <li>Apply lime to condition the soil. Liming activates fertilizers and controls acidic soils which may harm the fish</li> </ul>

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