

# कृषि मौसम सलाहकार सेवा पत्रिका

## Agro-met Advisory Bulletin

(Period: 17<sup>th</sup> to 19<sup>th</sup> January 2018)

ग्रामीण कृषि मौसम सेवा



**GRAMIN KRISHI MAUSAM SEWA**  
(Integrated Agro-Meteorological Advisory Services)

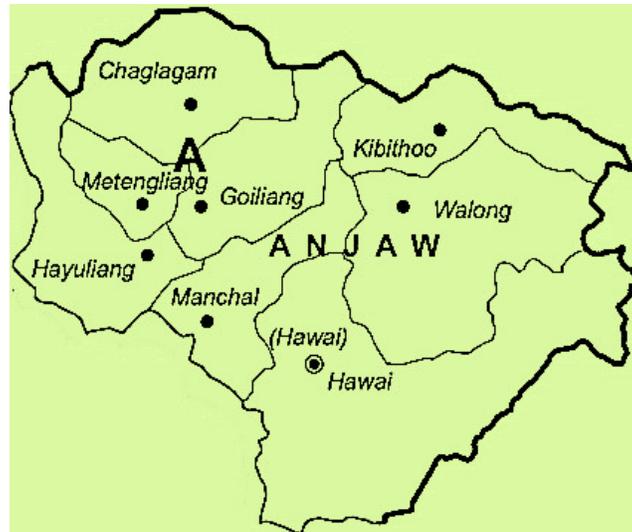


AMFU, ICAR Research Complex for NEH Region  
Arunachal Pradesh Centre, Basar-791101

**District: Anjaw**

**No: AMFU-Basar/2018/05**

**Dated: Tue, 16<sup>th</sup> January 2018**



Hawai: Latitude: 28.2179994/ Longitude: 94.7277528/Altitude: 1296 m amsl

Weather summary of the previous week	Weather forecast valid up to 21 <sup>st</sup> Jan'2018
No weather summary available	<b>Generally clear/dry weather forecasted.</b> Daily maximum and minimum temperature for the following period is predicted to be 17-18°C and 06-07°C respectively. Expected morning and evening relative humidity will be 71-83% and 15-22% respectively. Wind direction is mainly SSE and a speed range of 5-7 kmph.
<b>Warning:</b>	<b>• Moderate to dense fog likely to occur at isolated places</b>

### Weather Based Agro-meteorological Advisories Bulletin

#### 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**
- **Warning: Spraying of DDT in crops is lethal**

Crop	Stage	Pest/Disease	Precautionary Practices to be followed
<b>FIELD CROPS</b>			
Mustard	Vegetative	White rust/ Downey mildew	<ul style="list-style-type: none"> <li>Need-based foliar spray of Metalaxyl+Dithane M-45 @ 2.5g/lit at 15 days interval for management of White rust/Downy mildew in mustard</li> </ul>
Pea	Vegetative	Powdery mildew	<ul style="list-style-type: none"> <li>Need based foliar spray of Dinocap (0.2%) or Carbendazim 50WP (0.1%) or Propiconazole (0.1%).</li> </ul>
<b>VEGETABLES</b>			
Ginger/ Turmeric	Maturity		<ul style="list-style-type: none"> <li>Harvest the mature crop,</li> <li>Cure should be taken while harvest so that the rhizome is not damaged,</li> </ul>
Cabbage/ Cauliflower/ Knolkhol/ Others	Maturity/ harvesting	Leaf eating caterpillars/ Aphids	<ul style="list-style-type: none"> <li>Light irrigation is essential,</li> <li>In present weather conditions severe attack of leaf eating caterpillars has been reported. Spray Azadirachtin(0.015%) @6ml/litre of water when weather is clear.</li> <li>Spray with neem based pesticides against aphids</li> </ul>
Potato	Vegetative	Red Ants/ Late blight/ Alternaria blight	<ul style="list-style-type: none"> <li>Weeding and application of fertilizer as per recommended doses is suggested in potato.</li> <li><b>Spray Indofil m-45 at regular interval of 7 days in potato/tomato against Alternaria blight</b></li> <li>Ridge should be properly made,</li> <li>Red Ants: - Drenching with Chlorpyrifos @ 2 ml per litre of water,</li> <li>Foliar spray of Dithane <a href="#">M-45@2.5g/litre</a> of water for management of potato late blight.</li> </ul>
<b>HORTICULTURAL CROPS</b>			
Banana	Bunching	Cold	<ul style="list-style-type: none"> <li>Cover newly emerged bunches with locally available sack to protect from cold/frost</li> <li>Mulching with straw/crop residue at root zone to avoid frost injury in banana.</li> </ul>
Pineapple	Harvesting		<ul style="list-style-type: none"> <li><b>After winter harvest, collection/Selection of suckers &amp; slip to be done for next season planting</b></li> </ul>
Citrus	Maturity/ harvesting	Bark eating caterpillar, Gummosis	<ul style="list-style-type: none"> <li><b>In case of Bark eating caterpillar, remove the wooden frass present in between the joints of the trunk and inject Dichlorvos (DDVP) 76 EC 0.1 percent @ 5ml in the larval tunnel with the help of disposable syringe and push cotton swab soaked in Dichlorvos solution in the larval tunnel.</b></li> <li>Collect dropped fruits &amp; dispose by putting in airtight bags or bury deep in ground.</li> <li>Harvest the mature fruit with stalk and store in dry places.</li> <li>Dead wood pruning may be done after harvesting of crop followed by spraying of fungicide, Carbendazim @ 1gm/lit of water.</li> <li>Breakdown the soil collected around the tree trunk</li> </ul>
Temperate fruits	After harvesting		<ul style="list-style-type: none"> <li>Training &amp; pruning of the temperate crops (apple/pears/peach) is recommended</li> </ul>
<b>LIVESTOCKS</b>			
Livestock	Stage	Disease	Precautionary Practices to be followed
Poultry	All stages		<ul style="list-style-type: none"> <li>Day old chick-Maintain warmth by lighting,</li> <li>In present weather conditions protect the birds from cold by using gunny bags/plastic sheets around the poultry shed during night,</li> <li>Provide heat by lighting 100W bulb @ 1 bulb per 20 newly born chicks.</li> </ul>
Fishery			<ul style="list-style-type: none"> <li><b>Keep fish stocking density thin @1200/ha</b></li> </ul>
Pigs	All stages	FMD (high fever and appearance of mucous membrane of the mouth and foot.) Swine Fever	<ul style="list-style-type: none"> <li><b>Avoid dampness and cover weak and sick animals with sack cloth.</b></li> <li>Animals should be given lukewarm feed and water.</li> <li>Right time to deworm with anti helmetic drugs (particularly Tapeworms) viz. Fento Plus @ 1 tablet per 30 kg body weight.</li> <li>Provide proper bedding materials especially to new-born piglets and lukewarm food &amp; water</li> </ul>
Cattle	All stages	FMD	<ul style="list-style-type: none"> <li><b>Animals should be given lukewarm feed and water.</b></li> <li><b>Right time to deworm with anti helmetic drugs</b></li> </ul>

			<p><b>(particularly Tapeworms) viz. Fento Plus @ 1 tablet per 30 kg body weight.</b></p> <ul style="list-style-type: none"> <li>• Provide proper bedding materials especially to new-born and lukewarm food &amp; water</li> <li>• Heavy mortality in cloven footed animals has been reported.</li> <li>• Supportive treatment of infected animals under supervision of veterinary department officials,</li> <li>• Avoid mixing of infected and healthy animals,</li> <li>• Keep infected animals separated from the healthy ones,</li> <li>• Vaccinate the healthy animals against FMD (Through State Veterinary Dept.)</li> <li>• Provide feed supplements</li> </ul>
Mithun		FMD	<ul style="list-style-type: none"> <li>• Polyvalent FMD vaccine with serotype O, A and Asia at 6 months of age and repeat after that 6 months interval by sub-cutaneous route. Pregnant animals above 7 months of pregnancy should be avoided from vaccination.</li> </ul>
<p><b>Contact Scientists (ICAR) or State Agril Staff or KVK staff for measures against adverse conditions or call at 03795-226237/226247</b></p>			

Issued jointly by ICAR-RC for NEH Region, Arunachal Pradesh Centre, Basar and India Meteorological Department  
Contact: - [IAAS.BASAR@gmail.com](mailto:IAAS.BASAR@gmail.com), Phone Number: - 03795-226247/37, -96 (Fax)

# कृषि मौसम सलाहकार सेवा पत्रिका

## Agro-met Advisory Bulletin

(Period: 17<sup>th</sup> to 19<sup>th</sup> January 2018)

ग्रामीण कृषि मौसम सेवा

**GRAMIN KRISHI MAUSAM SEWA**  
(Integrated Agro-Meteorological Advisory Services)

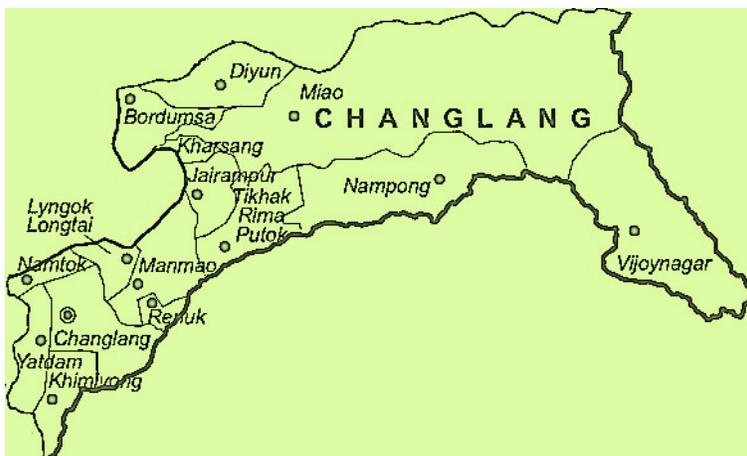


AMFU, ICAR Research Complex for NEH Region  
Arunachal Pradesh Centre, Basar-791101

**District: Changlang**

**No: AMFU-Basar/2018/05**

**Dated: Tue, 16<sup>th</sup> January 2018**



Changlang (HQ): Latitude: 27.1305856/Longitude: 95.7342373/Altitude: 580 masl

Weather summary of the previous week	Weather forecast valid up to 21 <sup>st</sup> Jan'2018
Rainfall = Changlang: 0.0 mm Miao: 0.0 mm (up to 12 <sup>th</sup> Jan)	<b>Generally clear/dry weather forecasted.</b> Daily maximum and minimum temperature for the following period is predicted to be 24-26°C and 11-12°C respectively. Expected morning and evening relative humidity will be 81-86% and 19-29% respectively. Wind direction is mainly ESE with speed range of 5-6 kmph.
<b>Warning</b>	<b>Moderate to dense fog likely to occur at isolated places</b>

### Weather Based Agro-meteorological Advisories Bulletin

#### General Recommendations

- **Spraying operation should be done only on dry/clear weather**
- **Go for low cost polyhouses for year round cultivation of vegetables**
- **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**
- **ICAR Basar recommend poultry variety VANARAJA for backyard rearing**

Crop	Stage	Pest/Disease	Precautionary Practices to be followed
<b>FIELD CROPS</b>			
Pea	Vegetative	Powdery mildew	<ul style="list-style-type: none"> <li>Need based foliar spray of Dinocap (0.2%) or Carbendazim 50WP (0.1%) or Propiconazole (0.1%).</li> </ul>
<b>Mustard</b>	<b>Vegetative</b>	<b>Aphid</b>	<ul style="list-style-type: none"> <li><b>When population level is high spraying of Dimethoate @ 4 ml per litre of water is advised</b></li> </ul>
Black Gram & Green Gram	Vegetative	Powdery mildew	<ul style="list-style-type: none"> <li>Need based foliar spray of Sulfex@2g/lit water to control powdery mildew in black/green gram/pea</li> </ul>
<b>VEGETABLES</b>			
Potato	Vegetative	Red Ants/ Late blight/ Alternaria blight	<ul style="list-style-type: none"> <li>Weeding and application of fertilizer as per recommended doses is suggested in potato.</li> <li><b>Spray Indofil m-45 at regular interval of 7 days in potato/tomato against Alternaria blight</b></li> <li>Ridge should be properly made,</li> <li>Red Ants: - Drenching with Chlorpyrifos @ 2 ml per litre of water,</li> <li>Foliar spray of Dithane <a href="#">M-45@2.5g/litre</a> of water for management of potato late blight.</li> </ul>
Cabbage/ Cauliflower/ Knolkhol/ Others	Maturity/ Harvesting	Leaf eating caterpillars/ Aphids	<ul style="list-style-type: none"> <li>Light irrigation is essential,</li> <li>In present weather conditions severe attack of leaf eating caterpillars has been reported. Spray Azadirachtin(0.015%) @6ml/litre of water when weather is clear.</li> <li>Spray with neem based pesticides against aphids</li> </ul>
Ginger/ Turmeric	Maturity		<ul style="list-style-type: none"> <li>Harvest the mature crop,</li> <li>Cure should be taken while harvest so that the rhizome is not damaged,</li> </ul>
<b>HORTICULTURAL CROPS</b>			
Citrus	Maturity/ harvesting	Bark eating caterpillar, Gummosis	<ul style="list-style-type: none"> <li><b>In case of Bark eating caterpillar, remove the wooden frass present in between the joints of the trunk and inject Dichlorvos (DDVP) 76 EC 0.1 percent @ 5ml in the larval tunnel with the help of disposable syringe and push cotton swab soaked in Dichlorvos solution in the larval tunnel.</b></li> <li>Collect dropped fruits &amp; dispose by putting in airtight bags or bury deep in ground.</li> <li>Harvest the mature fruit with stalk and store in dry places.</li> <li>Dead wood pruning may be done after harvesting of crop followed by spraying of fungicide, Carbendazim @ 1gm/lit of water.</li> <li>Breakdown the soil collected around the tree trunk</li> </ul>
Banana	Bunching	Cold	<ul style="list-style-type: none"> <li>Cover newly emerged bunches with locally available sack to protect from cold/frost</li> <li><b>Mulching with straw/crop residue at root zone to avoid frost injury in banana.</b></li> </ul>
Large Cardamom	Fruiting	Chirkey Disease	<ul style="list-style-type: none"> <li><b>Remove dry/diseased/old tillers &amp; branches &amp; spray Bio NPK@ 2ml/lit water for proper growth.</b></li> </ul>
<b>Honey Bees</b>			
Honey bees			<ul style="list-style-type: none"> <li>Box must be covered with straw/dry leaves to provide warmth</li> <li>Provide sugar syrup</li> </ul>
<b>LIVESTOCKS</b>			
Livestock	Stage	Disease	Precautionary Practices to be followed
<b>General</b>			
<ul style="list-style-type: none"> <li><b>Damaged grain (not fungus contaminated) to be diverted for Poultry/livestock feeding</b></li> <li><b>Clean drinking water should be ensured round the clock and water troughs/feeders should be regularly cleaned,</b></li> </ul>			
Goat	All stages		<ul style="list-style-type: none"> <li>Deworming for gastrointestinal parasite</li> </ul>
Pigs	All stages	FMD (high fever and appearance of mucous membrane of the mouth and foot.) Swine Fever	<ul style="list-style-type: none"> <li><b>Avoid dampness and cover weak and sick animals with sack cloth.</b></li> <li>Animals should be given lukewarm feed and water.</li> <li>Right time to deworm with anti helmetic drugs (particularly Tapeworms) viz. Fento Plus @ 1 tablet per 30 kg body weight.</li> <li>Provide proper bedding materials especially to new-born piglets and lukewarm food &amp; water</li> </ul>
Cattle	All stages	FMD	<ul style="list-style-type: none"> <li><b>Animals should be given lukewarm feed and water.</b></li> </ul>

			<ul style="list-style-type: none"> <li>• <b>Right time to deworm with anti helminthic drugs (particularly Tapeworms) viz. Fento Plus @ 1 tablet per 30 kg body weight.</b></li> <li>• Provide proper bedding materials especially to new-born and lukewarm food &amp; water</li> <li>• Heavy mortality in cloven footed animals has been reported.</li> <li>• Supportive treatment of infected animals under supervision of veterinary department officials,</li> <li>• Avoid mixing of infected and healthy animals,</li> <li>• Keep infected animals separated from the healthy ones,</li> <li>• Vaccinate the healthy animals against FMD (Through State Veterinary Dept.)</li> <li>• Provide feed supplements</li> </ul>
Poultry	All stages		<ul style="list-style-type: none"> <li>• Day old chick-Maintain warmth by lighting,</li> <li>• In present weather conditions protect the birds from cold by using gunny bags/plastic sheets around the poultryshed during night,</li> <li>• Provide heat by lighting 100W bulb @ 1 bulb per 20 newly born chicks.</li> </ul>
<b>Contact Scientists (ICAR) or State Agril Staff or KVK staff for measures against adverse conditions or call at 03795-226237/226247</b>			

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Contact: - [IAAS.BASAR@gmail.com](mailto:IAAS.BASAR@gmail.com), Phone Number: - 03795-226247/37, -96 (Fax)

**Agrometeorological Field Unit**  
**ICAR, BASAR**

# कृषि मौसम सलाहकार सेवा पत्रिका

## Agro-met Advisory Bulletin

(Period: 17<sup>th</sup> to 19<sup>th</sup> January 2018)

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**GRAMIN KRISHI MAUSAM SEWA**  
(Integrated Agro-Meteorological Advisory Services)

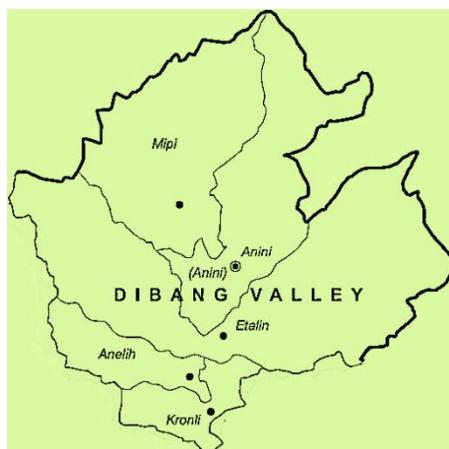


AMFU, ICAR Research Complex for NEH Region  
Arunachal Pradesh Centre, Basar-791101

**District: Dibang Valley**

**No: AMFU-Basar/2018/05**

**Dated: Tue, 16<sup>th</sup> January 2018**



Anini: Latitude: 28.2179994/Longitude: 94.7277528/Altitude: 1968 masl

Weather summary of the previous week	Weather forecast valid up to 21 <sup>st</sup> Jan'2018
Rainfall = 0.0 mm (Anini) (up to 12 <sup>th</sup> Jan)	<b>Generally clear/dry weather forecasted.</b> Daily maximum and minimum temperature for the following period is predicted to be 17-18°C and 06-07°C respectively. Expected morning and evening relative humidity will be 71-83% and 15-22% respectively. Wind direction is mainly SSE with speed range of 5-7 kmph.
<b>Warning:</b>	<b>• Moderate to dense fog likely to occur at isolated places</b>

### Weather Based Agro-meteorological Advisories Bulletin

#### General recommendations

- Disinfecting the animal/bird sheds with lime powder/ bleaching powder/ 4%NaOH at regular interval is advocated
- Go for spray operation only on dry/clear weather.
- Go for low cost polyhouses for year round cultivation of vegetables
- 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
- ICAR Basar recommend poultry variety VANARAJA for backyard rearing

Crop	Stage	Pest/Disease	Precautionary Practices to be followed
<b>FIELD CROPS</b>			
Rice	Harvesting		<ul style="list-style-type: none"> <li>Sun-dry &amp; properly winnow the grains for safe storage.</li> <li>In case of rain delay harvesting</li> </ul>
Pea	Vegetative	Powdery mildew	<ul style="list-style-type: none"> <li>Need based foliar spray of Dinocap (0.2%) or Carbendazim 50WP (0.1%) or Propiconazole (0.1%).</li> </ul>
Black Gram & Green Gram	Vegetative		<ul style="list-style-type: none"> <li>Need based foliar spray of Sulfex@2g/lit water to control powdery mildew in black/green gram/pea</li> </ul>
<b>VEGETABLES</b>			
Potato	Vegetative	Red Ants/ Late blight/ Alternaria blight	<ul style="list-style-type: none"> <li>Weeding and application of fertilizer as per recommended doses is suggested in potato.</li> <li><b>Spray Indofil m-45 at regular interval of 7 days in potato/tomato against Alternaria blight</b></li> <li>Ridge should be properly made,</li> <li>Red Ants: - Drenching with Chlorpyrifos @ 2 ml per litre of water,</li> <li>Foliar spray of Dithane <a href="#">M-45@2.5g/litre</a> of water for management of potato late blight.</li> </ul>
Cabbage/ Cauliflower/ Knolkhol/ Others	Maturity/ Harvesting	Leaf eating caterpillars/ Aphids	<ul style="list-style-type: none"> <li>Light irrigation is essential,</li> <li>In present weather conditions severe attack of leaf eating caterpillars has been reported. Spray Azadirachtin(0.015%) @6ml/litre of water when weather is clear.</li> <li>Spray with neem based pesticides against aphids</li> </ul>
<b>HORTICULTURAL CROPS</b>			
Pineapple	Harvesting		<ul style="list-style-type: none"> <li><b>After winter harvest, collection/Selection of suckers &amp; slip to be done for next season planting</b></li> </ul>
Citrus	Maturity/ harvesting	Bark eating caterpillar, Gummosis	<ul style="list-style-type: none"> <li><b>In case of Bark eating caterpillar, remove the wooden frass present in between the joints of the trunk and inject Dichlorovos (DDVP) 76 EC 0.1 percent @ 5ml in the larval tunnel with the help of disposable syringe and push cotton swab soaked in Dichlorovos solution in the larval tunnel.</b></li> <li>Collect dropped fruits &amp; dispose by putting in airtight bags or bury deep in ground.</li> <li>Harvest the mature fruit with stalk and store in dry places.</li> <li>Dead wood pruning may be done after harvesting of crop followed by spraying of fungicide, Carbendazim @ 1gm/lit of water.</li> <li>Breakdown the soil collected around the tree trunk</li> </ul>
Banana	Bunching	Cold	<ul style="list-style-type: none"> <li>Cover newly emerged bunches with locally available sack to protect from cold/frost</li> <li><b>Mulching with straw/crop residue at root zone to avoid frost injury in banana.</b></li> </ul>
Temperate fruits	After harvesting		<ul style="list-style-type: none"> <li>Training &amp; pruning of the temperate crops (apple/pears/peach) is recommended</li> </ul>
Large Cardamom	Fruiting	Chirkey Disease	<ul style="list-style-type: none"> <li><b>Remove dry/diseased/old tillers &amp; branches &amp; spray Bio NPK @ 2ml/lit water for proper growth.</b></li> </ul>
<b>Honey Bees</b>			
Honey bees			<ul style="list-style-type: none"> <li>Cover the boxes with locally available dry grass or straw to provide warmth</li> </ul>
<b>LIVESTOCKS</b>			
Livestock	Stage	Disease	Precautionary Practices to be followed
<b>General</b>			
<ul style="list-style-type: none"> <li><b>Damaged grain (not fungus contaminated) to be diverted for Poultry/livestock feeding</b></li> <li><b>Clean drinking water should be ensured round the clock and water troughs/feeders should be regularly cleaned,</b></li> </ul>			
Pigs	All stages	FMD (high fever and appearance of mucous membrane of the mouth and foot.) Swine Fever	<ul style="list-style-type: none"> <li><b>Avoid dampness and cover weak and sick animals with sack cloth.</b></li> <li>Animals should be given lukewarm feed and water.</li> <li>Right time to deworm with anti helmetic drugs (particularly Tapeworms) viz. Fento Plus @ 1 tablet per 30 kg body weight.</li> <li>Provide proper bedding materials especially to new-born piglets and lukewarm food &amp; water</li> </ul>
Cattle	All stages	FMD	<ul style="list-style-type: none"> <li><b>Animals should be given lukewarm feed and water.</b></li> <li><b>Right time to deworm with anti helmetic drugs (particularly Tapeworms) viz. Fento Plus @ 1 tablet per 30</b></li> </ul>

			<p><b>kg body weight.</b></p> <ul style="list-style-type: none"> <li>• Provide proper bedding materials especially to new-born and lukewarm food &amp; water</li> <li>• Heavy mortality in cloven footed animals has been reported.</li> <li>• Supportive treatment of infected animals under supervision of veterinary department officials,</li> <li>• Avoid mixing of infected and healthy animals,</li> <li>• Keep infected animals separated from the healthy ones,</li> <li>• Vaccinate the healthy animals against FMD (Through State Veterinary Dept.)</li> <li>• Provide feed supplements</li> </ul>
Poultry	All stages		<ul style="list-style-type: none"> <li>• Day old chick-Maintain warmth by lighting,</li> <li>• In present weather conditions protect the birds from cold by using gunny bags/plastic sheets around the poultry shed during night,</li> <li>• Provide heat by lighting 100W bulb @ 1 bulb per 20 newly born chicks.</li> </ul>
Mithun		FMD	<ul style="list-style-type: none"> <li>• Polyvalent FMD vaccine with serotype O, A and Asia at 6 months of age and repeat after that 6 months interval by subcutaneous route.</li> <li>• Pregnant animals above 7 months of pregnancy should be avoided.</li> </ul>
<p><b>Contact Scientists (ICAR) or State Agril Staff or KVK staff for measures against adverse conditions or call at 03795-226237/226247</b></p>			

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**Agrometeorological Field Unit  
ICAR, BASAR**

# कृषि मौसम सलाहकार सेवा पत्रिका

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(Period: 17<sup>th</sup> to 19<sup>th</sup> January 2018)

ग्रामीण कृषि मौसम सेवा



**GRAMIN KRISHI MAUSAM SEWA**  
(Integrated Agro-Meteorological Advisory Services)



भा.क.अ.पु. - पू.प.सं.  
ICAR - RCNEH

AMFU, ICAR Research Complex for NEH Region  
Arunachal Pradesh Centre, Basar-791101

**District: East Kameng**

**No: AMFU-Basar/2018/05**

**Dated: Tue, 16<sup>th</sup> January 2018**



Weather summary of the previous week	Weather forecast valid up to 21 <sup>st</sup> Jan'2018
Rainfall = 0.0 mm (up to 12 <sup>th</sup> Jan)	<b>Generally clear/dry weather forecasted.</b> Daily maximum and minimum temperature for the following period is predicted to be 22-23°C and 11-12°C respectively. Expected morning and evening relative humidity will be 79-85% and 30-38% respectively. Expected wind direction is mainly SE with speed range of 5 kmph.
<b>Warning:</b>	<ul style="list-style-type: none"> <li><b>Moderate to dense fog likely to occur at isolated places</b></li> </ul>

### Weather Based Agro-meteorological Advisories Bulletin

#### General Recommendations

- Go for low cost polyhouses for year round cultivation of vegetables
- 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
- ICAR Basar recommend poultry variety VANARAJA for backyard rearing
- Disinfecting the animal/bird sheds with lime powder/ bleaching powder/ 4%NaOH at regular interval is advocated

Crop	Stage	Pest/Disease	Precautionary Practices to be followed
<b>FIELD CROPS</b>			
Pea	Vegetative	Powdery mildew	<ul style="list-style-type: none"> <li>Need based foliar spray of Dinocap (0.2%) or Carbendazim 50WP (0.1%) or Propiconazole (0.1%).</li> </ul>
<b>Mustard</b>	<b>Vegetative</b>	<b>Aphid</b>	<ul style="list-style-type: none"> <li><b>When population level is high spraying of Dimethoate @ 4 ml per litre of water is advised</b></li> </ul>
Soybean	Harvesting		<ul style="list-style-type: none"> <li>Immediately harvest soybean &amp; thoroughly dry in sun.</li> </ul>
<b>VEGETABLES</b>			
Ginger/ Turmeric	Maturity		<ul style="list-style-type: none"> <li>Harvest the mature crop,</li> <li>Cure should be taken while harvest so that the rhizome is not damaged,</li> </ul>
Potato	Vegetative	Red Ants/ Late blight/ Alternaria blight	<ul style="list-style-type: none"> <li>Weeding and application of fertilizer as per recommended doses is suggested in potato.</li> <li><b>Spray Indofil m-45 at regular interval of 7 days in potato/tomato against Alternaria blight</b></li> <li>Ridge should be properly made,</li> <li>Red Ants: - Drenching with Chlorpyrifos @ 2 ml per litre of water,</li> <li>Foliar spray of Dithane <a href="#">M-45@2.5g/litre</a> of water for management of potato late blight.</li> </ul>
Cabbage/ Cauliflower/ Knolkhol/ Others	Maturity	Leaf eating caterpillars/ Aphids	<ul style="list-style-type: none"> <li>Light irrigation is essential,</li> <li>In present weather conditions severe attack of leaf eating caterpillars has been reported. Spray Azadirachtin(0.015%) @6ml/litre of water when weather is clear.</li> <li>Spray with neem based pesticides against aphids</li> </ul>
<b>HORTICULTURAL CROPS</b>			
Citrus	Maturity/ harvesting	Bark eating caterpillar, Gummosis	<ul style="list-style-type: none"> <li><b>In case of Bark eating caterpillar, remove the wooden frass present in between the joints of the trunk and inject Dichlorvos (DDVP) 76 EC 0.1 percent @ 5ml in the larval tunnel with the help of disposable syringe and push cotton swab soaked in Dichlorvos solution in the larval tunnel.</b></li> <li>Collect dropped fruits &amp; dispose by putting in airtight bags or bury deep in ground.</li> <li>Harvest the mature fruit with stalk and store in dry places.</li> <li>Dead wood pruning may be done after harvesting of crop followed by spraying of fungicide, Carbendazim @ 1gm/lit of water.</li> <li>Breakdown the soil collected around the tree trunk</li> </ul>
Banana	Bunching	Cold	<ul style="list-style-type: none"> <li>Cover newly emerged bunches with locally available sack to protect from cold/frost</li> <li><b>Mulching with straw/crop residue at root zone to avoid frost injury in banana.</b></li> </ul>
Large Cardamom	Flowering stage	Chirkey Disease (fungal infection) & Chirke and Foorkey (virus infection)	<ul style="list-style-type: none"> <li>Mulching with locally available materials like dry grass/paddy straw recommended</li> <li>Remove diseased part &amp; keep inflorescence clean.</li> <li>Uproot &amp; burn virus infected plants</li> </ul>
Pineapple	Active vegetative		<ul style="list-style-type: none"> <li>Mulching with locally available materials like dry grass/paddy straw recommended</li> <li>Remove excess suckers to increase fruit size and improve quality.</li> </ul>
Ginger/Turmeric	Seedling		<ul style="list-style-type: none"> <li>Mulching with locally available materials like dry grass/paddy straw recommended</li> <li>Proper drainage to be done and avoid water stagnation</li> <li>Earthing up of ginger/turmeric along with basal application of required fertilizer should be done</li> </ul>
<b>Agroforestry</b>			
Toko palm	Nursery		Filling of nursery polybags for raising of takopalm seedlings
<b>LIVESTOCKS</b>			
<b>Livestock</b>	<b>Stage</b>	<b>Disease</b>	<b>Precautionary Practices to be followed</b>
<b>General</b>			
<ul style="list-style-type: none"> <li><b>Damaged grain (not fungus contaminated) to be diverted for Poultry/livestock feeding</b></li> </ul>			

• <b>Clean drinking water should be ensured round the clock and water troughs/feeders should be regularly cleaned,</b>			
Pigs	All stages	FMD (high fever and appearance of mucous membrane of the mouth and foot.) Swine Fever	<ul style="list-style-type: none"> <li>• <b>Avoid dampness and cover weak and sick animals with sack cloth.</b></li> <li>• Animals should be given lukewarm feed and water.</li> <li>• Right time to deworm with anti helmetic drugs (particularly Tapeworms) viz. Fento Plus @ 1 tablet per 30 kg body weight.</li> <li>• Provide proper bedding materials especially to new-born piglets and lukewarm food &amp; water</li> </ul>
Cattle	All stages	FMD	<ul style="list-style-type: none"> <li>• <b>Animals should be given lukewarm feed and water.</b></li> <li>• <b>Right time to deworm with anti helmetic drugs (particularly Tapeworms) viz. Fento Plus @ 1 tablet per 30 kg body weight.</b></li> <li>• Provide proper bedding materials especially to new-born and lukewarm food &amp; water</li> <li>• Heavy mortality in cloven footed animals has been reported.</li> <li>• Supportive treatment of infected animals under supervision of veterinary department officials,</li> <li>• Avoid mixing of infected and healthy animals,</li> <li>• Keep infected animals separated from the healthy ones,</li> <li>• Vaccinate the healthy animals against FMD (Through State Veterinary Dept.)</li> <li>• Provide feed supplements</li> </ul>
Poultry	All stages		<ul style="list-style-type: none"> <li>• Day old chick-Maintain warmth by lighting,</li> <li>• In present weather conditions protect the birds from cold by using gunny bags/plastic sheets around the poultryshed during night,</li> <li>• Provide heat by lighting 100W bulb @ 1 bulb per 20 newly born chicks.</li> </ul>
Fishery			<ul style="list-style-type: none"> <li>• Application of quick lime is highly recommended in order to rectify water pH.</li> <li>• Application of fish feed (mustard oil cake) is essential for achieving higher yield</li> </ul>
Mithun		FMD	<ul style="list-style-type: none"> <li>• Polyvalent FMD vaccine with serotype O, A and Asia at 6 months of age and repeat after that 6 months interval by sub-cutaneous route.</li> <li>• Pregnant animals above 7 months of pregnancy should be avoided.</li> </ul>
<b>Contact Scientists (ICAR) or State Agril Staff or KVK staff for measures against adverse conditions or call at 03795-226237/226247</b>			

Issued jointly by ICAR-RC for NEH Region, Arunachal Pradesh Centre, Basar and India Meteorological Department  
 Contact: - [IAAS.BASAR@gmail.com](mailto:IAAS.BASAR@gmail.com), Phone Number: - 03795-226247/37, -96 (Fax)

**Agrometeorological Field Unit  
 ICAR, BASAR**

# कृषि मौसम सलाहकार सेवा पत्रिका

## Agro-met Advisory Bulletin

(Period: 17<sup>th</sup> to 19<sup>th</sup> January 2018)

ग्रामीण कृषि मौसम सेवा



**GRAMIN KRISHI MAUSAM SEWA**  
(Integrated Agro-Meteorological Advisory Services)



AMFU, ICAR Research Complex for NEH Region  
Arunachal Pradesh Centre, Basar-791101

**District: East Siang**

**No: AMFU-Basar/2018/05**

**Dated: Tue, 16<sup>th</sup> January 2018**



Pasighat: Latitude: 28.0700/Longitude: 95.3300/Altitude: 153 masl

Weather summary of the previous week	Weather forecast valid up to 17 <sup>th</sup> Jan'2018
Rainfall: 0.0 mm; T. Max: 23.0°C; T. Min: 12.0°C ; RH: 60-72% (up to 12 <sup>th</sup> Jan)	<b>Generally clear/dry weather forecasted.</b> Daily maximum and minimum temperature for the following period is predicted to be 23-24°C and 13-14°C respectively. Expected morning and evening relative humidity will be 67-69% and 22-36% respectively. Expected wind direction is mainly S with speed range of 5-6 kmph.
<b>Warning:</b>	<ul style="list-style-type: none"><li><b>Moderate to dense fog likely to occur at isolated places</b></li></ul>

### Weather Based Agro-meteorological Advisories Bulletin

#### General Recommendations

- Go for low cost polyhouses for year round cultivation of vegetables
- 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
- ICAR Basar recommend poultry variety VANARAJA for backyard rearing

Crop	Stage	Pest/Disease	Precautionary Practices to be followed
<b>FIELD CROPS</b>			
Pea	Vegetative	Powdery mildew	<ul style="list-style-type: none"> <li>Need based foliar spray of Dinocap (0.2%) or Carbendazim 50WP (0.1%) or Propiconazole (0.1%).</li> </ul>
<b>Mustard</b>	<b>Vegetative</b>	<b>Aphid</b>	<ul style="list-style-type: none"> <li><b>When population level is high spraying of Dimethoate @ 4 ml per litre of water is advised</b></li> </ul>
<b>VEGETABLES</b>			
Ginger/ Turmeric	Maturity		<ul style="list-style-type: none"> <li>Harvest the mature crop,</li> <li>Cure should be taken while harvest so that the rhizome is not damaged,</li> </ul>
Potato	Vegetative	Red Ants/ Late blight/ Alternaria blight	<ul style="list-style-type: none"> <li>Weeding and application of fertilizer as per recommended doses is suggested in potato.</li> <li><b>Spray Indofil m-45 at regular interval of 7 days in potato/tomato against Alternaria blight</b></li> <li>Ridge should be properly made,</li> <li>Red Ants: - Drenching with Chlorpyrifos @ 2 ml per litre of water,</li> <li>Foliar spray of Dithane <a href="#">M-45@2.5g/litre</a> of water for management of potato late blight.</li> </ul>
Cabbage/ Cauliflower/ Knolkhol/ Others	Maturity/ Harvesting	Leaf eating caterpillars/ Aphids	<ul style="list-style-type: none"> <li>Light irrigation is essential,</li> <li>In present weather conditions severe attack of leaf eating caterpillars has been reported. Spray Azadirachtin(0.015%) @6ml/litre of water when weather is clear.</li> <li>Spray with neem based pesticides against aphids</li> </ul>
<b>HORTICULTURAL CROPS</b>			
Citrus	Maturity/ harvesting	Bark eating caterpillar, Gummosis	<ul style="list-style-type: none"> <li><b>In case of Bark eating caterpillar, remove the wooden frass present in between the joints of the trunk and inject Dichlorovos (DDVP) 76 EC 0.1 percent @ 5ml in the larval tunnel with the help of disposable syringe and push cotton swab soaked in Dichlorovos solution in the larval tunnel.</b></li> <li>Collect dropped fruits &amp; dispose by putting in airtight bags or bury deep in ground.</li> <li>Harvest the mature fruit with stalk and store in dry places.</li> <li>Dead wood pruning may be done after harvesting of crop followed by spraying of fungicide, Carbendazim @ 1gm/lit of water.</li> <li>Breakdown the soil collected around the tree trunk</li> </ul>
Banana	All stages	Sigatoka Leaf spot	<ul style="list-style-type: none"> <li>One sword sucker may be allowed after shooting (Flowering),</li> <li>Periodical removal of side suckers by cutting them above the ground level, scoop the core and pour 2 ml of kerosene in the core,</li> <li>Foliar spray of Propiconazole (e.g., Tilt) @ 1 ml per litre of water</li> </ul>
Kiwi	Harvesting		<ul style="list-style-type: none"> <li>Should be harvested by snapping their stalks</li> <li>Fruit should be stored boxes containing cushioning materials and transported to the market in hard condition.</li> </ul>
<b>Honey Bees</b>			
Honey bees			<ul style="list-style-type: none"> <li>Cover the boxes with locally available dry grass or straw to provide warmth</li> </ul>
<b>LIVESTOCKS</b>			
Livestock	Stage	Disease	Precautionary Practices to be followed
<b>General</b>			
<ul style="list-style-type: none"> <li><b>Damaged grain (not fungus contaminated) to be diverted for Poultry/livestock feeding</b></li> <li><b>Clean drinking water should be ensured round the clock and water troughs/feeders should be regularly cleaned,</b></li> </ul>			
Pigs	All stages	FMD (high fever and appearance of mucous membrane of the mouth and foot.) Swine Fever	<ul style="list-style-type: none"> <li><b>Avoid dampness and cover weak and sick animals with sack cloth.</b></li> <li>Animals should be given lukewarm feed and water.</li> <li>Right time to deworm with anti helmetic drugs (particularly Tapeworms) viz. Fento Plus @ 1 tablet per 30 kg body weight.</li> <li>Provide proper bedding materials especially to new-born piglets and lukewarm food &amp; water</li> </ul>
Cattle	All stages	FMD	<ul style="list-style-type: none"> <li><b>Animals should be given lukewarm feed and water.</b></li> <li><b>Right time to deworm with anti helmetic drugs (particularly Tapeworms) viz. Fento Plus @ 1 tablet per 30</b></li> </ul>

			<p><b>kg body weight.</b></p> <ul style="list-style-type: none"> <li>• Provide proper bedding materials especially to new-born and lukewarm food &amp; water</li> <li>• Heavy mortality in cloven footed animals has been reported.</li> <li>• Supportive treatment of infected animals under supervision of veterinary department officials,</li> <li>• Avoid mixing of infected and healthy animals,</li> <li>• Keep infected animals separated from the healthy ones,</li> <li>• Vaccinate the healthy animals against FMD (Through State Veterinary Dept.)</li> <li>• Provide feed supplements</li> </ul>
Poultry	All stages		<ul style="list-style-type: none"> <li>• Day old chick-Maintain warmth by lighting,</li> <li>• In present weather conditions protect the birds from cold by using gunny bags/plastic sheets around the poultryshed during night,</li> <li>• Provide heat by lighting 100W bulb @ 1 bulb per 20 newly born chicks.</li> </ul>
Mithun		FMD	<ul style="list-style-type: none"> <li>• Polyvalent FMD vaccine with serotype O, A and Asia at 6 months of age and repeat after that 6 months interval by subcutaneous route.</li> <li>• Pregnant animals above 7 months of pregnancy should be avoided.</li> </ul>
<p><b>Contact Scientists (ICAR) or State Agril Staff or KVK staff for measures against adverse conditions or call at 03795-226237/226247</b></p>			

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**Agrometeorological Field Unit  
ICAR, BASAR**

# कृषि मौसम सलाहकार सेवा पत्रिका

## Agro-met Advisory Bulletin

(Period: 17<sup>th</sup> to 19<sup>th</sup> January 2018)

ग्रामीण कृषि मौसम सेवा



GRAMIN KRISHI MAUSAM SEWA

(Integrated Agro-Meteorological Advisory Services)



भा.क.अनु.प.सं.  
ICAR-RCNEH

AMFU, ICAR Research Complex for NEH Region  
Arunachal Pradesh Centre, Basar-791101

**District: Kurung Kumey**

No: AMFU-Basar/2018/04

Dated: Tue, 12<sup>th</sup> January 2018



Koloriang: Latitude: 27.9167°/Longitude: 93.3500°/Altitude: 1040 masl

Weather summary of the previous week	Weather forecast valid up to 21 <sup>st</sup> Jan'2018
Past weather summary not available	<b>Generally clear/dry weather forecasted..</b> Daily maximum and minimum temperature for the following period is predicted to be 18-19°C and 04-05°C respectively. Expected morning and evening relative humidity will be 71-85% and 24-32% respectively. Wind direction is mainly S & SSW with wind speed range of 5-7 kmph.
Warning	<b>Moderate to dense fog likely to occur at isolated places</b>

### Weather Based Agro-meteorological Advisories Bulletin

#### General Recommendations

- Spray operations should be done only on dry/clear weather or in extreme case use stickers
- Go for low cost polyhouses for year round cultivation of vegetables
- 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
- ICAR Basar recommend poultry variety VANARAJA for backyard rearing
- Disinfecting the animal/bird sheds with lime powder/ bleaching powder/ 4%NaOH at regular interval is advocated

Crop	Stage	Pest/Disease	Precautionary Practices to be followed
<b>FIELD CROPS</b>			
Pea	Vegetative	Powdery mildew	<ul style="list-style-type: none"> <li>Need based foliar spray of Dinocap (0.2%) or Carbendazim 50WP (0.1%) or Propiconazole (0.1%).</li> </ul>
Black Gram & Green Gram	Vegetative		<ul style="list-style-type: none"> <li>Need based foliar spray of Sulfex@2g/lit water to control powdery mildew in black/green gram/pea</li> </ul>
Maize	Harvesting	Rat	<ul style="list-style-type: none"> <li>Harvest mature cobs and dry properly before storing</li> <li>Use locally available traps to control rats menace</li> </ul>
<b>VEGETABLES</b>			
Potato	Vegetative	Red Ants/ Late blight/ Alternaria blight	<ul style="list-style-type: none"> <li>Weeding and application of fertilizer as per recommended doses is suggested in potato.</li> <li><b>Spray Indofil m-45 at regular interval of 7 days in potato/tomato against Alternaria blight</b></li> <li>Ridge should be properly made,</li> <li>Red Ants: - Drenching with Chlorpyrifos @ 2 ml per litre of water,</li> <li>Foliar spray of Dithane <a href="#">M-45@2.5g/litre</a> of water for management of potato late blight.</li> </ul>
Cabbage/ Cauliflower/ Knolkhol/ Others	Maturity/ Harvesting	Leaf eating caterpillars/ Aphids	<ul style="list-style-type: none"> <li>Light irrigation is essential,</li> <li>In present weather conditions severe attack of leaf eating caterpillars has been reported. Spray Azadirachtin(0.015%) @6ml/litre of water when weather is clear.</li> <li>Spray with neem based pesticides against aphids</li> </ul>
<b>HORTICULTURAL CROPS</b>			
Pineapple	Harvesting		<ul style="list-style-type: none"> <li><b>After winter harvest, collection/Selection of suckers &amp; slip to be done for next season planting</b></li> </ul>
Citrus	Maturity/ harvesting	Bark eating caterpillar, Gummosis	<ul style="list-style-type: none"> <li><b>In case of Bark eating caterpillar, remove the wooden frass present in between the joints of the trunk and inject Dichlorovos (DDVP) 76 EC 0.1 percent @ 5ml in the larval tunnel with the help of disposable syringe and push cotton swab soaked in Dichlorovos solution in the larval tunnel.</b></li> <li>Collect dropped fruits &amp; dispose by putting in airtight bags or bury deep in ground.</li> <li>Harvest the mature fruit with stalk and store in dry places.</li> <li>Dead wood pruning may be done after harvesting of crop followed by spraying of fungicide, Carbendazim @ 1gm/lit of water.</li> <li>Breakdown the soil collected around the tree trunk</li> </ul>
Banana	Bunching	Cold	<ul style="list-style-type: none"> <li>Cover newly emerged bunches with locally available sack to protect from cold/frost</li> <li><b>Mulching with straw/crop residue at root zone to avoid frost injury in banana.</b></li> </ul>
Peach	Post-harvesting		<ul style="list-style-type: none"> <li>Training &amp; pruning of diseased/criss-cross branches to harvest more solar energy &amp; for proper growth.</li> </ul>
Kiwi	Harvesting		<ul style="list-style-type: none"> <li>Should be harvested by snapping their stalks</li> <li>Fruit should be stored boxes containing cushioning materials and transported to the market in hard condition.</li> </ul>
Large Cardamom	Fruiting	Chirkey Disease	<ul style="list-style-type: none"> <li><b>Remove dry/diseased/old tillers &amp; branches &amp; spray Bio NPK@ 2ml/lit water for proper growth.</b></li> </ul>
<b>Honey Bees</b>			
			<ul style="list-style-type: none"> <li>Box must be covered with straw/dry leaves to provide warmth</li> </ul>
<b>LIVESTOCKS</b>			
<b>General</b>			
<ul style="list-style-type: none"> <li>Damaged grain (not fungus contaminated) to be diverted for Poultry/livestock feeding</li> <li>Clean drinking water should be ensured round the clock and water troughs/feeders should be regularly cleaned,</li> </ul>			
Livestock	Stage	Disease	Precautionary Practices to be followed
Pigs	All stages	FMD (high fever and appearance of mucous membrane of the mouth and foot.) Swine Fever	<ul style="list-style-type: none"> <li><b>Avoid dampness and cover weak and sick animals with sack cloth.</b></li> <li>Animals should be given lukewarm feed and water.</li> <li>Right time to deworm with anti helmetic drugs (particularly Tapeworms) viz. Fento Plus @ 1 tablet per 30 kg body weight.</li> <li>Provide proper bedding materials especially to new-born piglets and lukewarm food &amp; water</li> </ul>

Cattle	All stages	FMD	<ul style="list-style-type: none"> <li>• <b>Animals should be given lukewarm feed and water.</b></li> <li>• <b>Right time to deworm with anti helmetic drugs (particularly Tapeworms) viz. Fento Plus @ 1 tablet per 30 kg body weight.</b></li> <li>• Provide proper bedding materials especially to new-born and lukewarm food &amp; water</li> <li>• Heavy mortality in cloven footed animals has been reported.</li> <li>• Supportive treatment of infected animals under supervision of veterinary department officials,</li> <li>• Avoid mixing of infected and healthy animals,</li> <li>• Keep infected animals separated from the healthy ones,</li> <li>• Vaccinate the healthy animals against FMD (Through State Veterinary Dept.)</li> <li>• Provide feed supplements</li> </ul>
Poultry	All stages		<ul style="list-style-type: none"> <li>• Day old chick-Maintain warmth by lighting,</li> <li>• In present weather conditions protect the birds from cold by using gunny bags/plastic sheets around the poultryshed during night,</li> <li>• Provide heat by lighting 100W bulb @ 1 bulb per 20 newly born chicks.</li> </ul>
Mithun		FMD	<ul style="list-style-type: none"> <li>• Polyvalent FMD vaccine with serotype O, A and Asia at 6 months of age and repeat after that 6 months interval by sub-cutaneous route.</li> <li>• Pregnant animals above 7 months of pregnancy should be avoided.</li> </ul>

**Contact Scientists (ICAR) or State Agril Staff or KVK staff for measures against adverse conditions or call at 03795-226237/226247**

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ICAR, BASAR**

# कृषि मौसम सलाहकार सेवा पत्रिका

## Agro-met Advisory Bulletin

(Period: 17<sup>th</sup> to 19<sup>th</sup> January 2018)

ग्रामीण कृषि मौसम सेवा



GRAMIN KRISHI MAUSAM SEWA

(Integrated Agro-Meteorological Advisory Services)

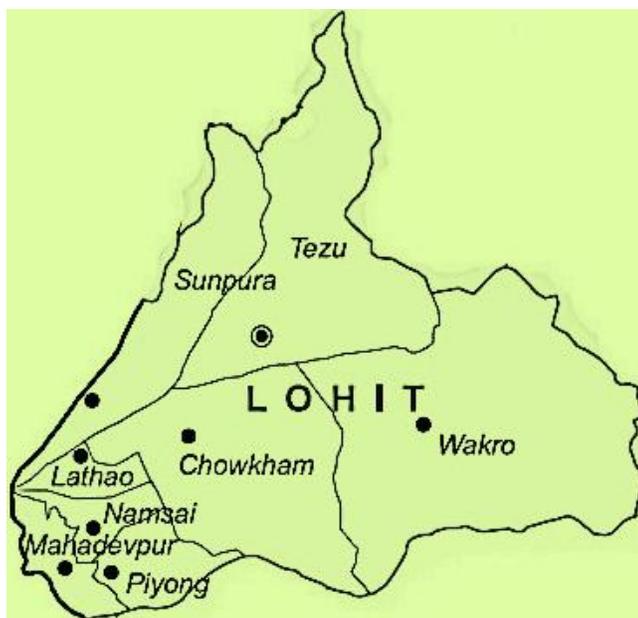


AMFU, ICAR Research Complex for NEH Region  
Arunachal Pradesh Centre, Basar-791101

**District: Lohit**

No: AMFU-Basar/2018/05

Dated: Tue, 16<sup>th</sup> January 2018



Weather summary of the previous week	Weather forecast valid up to 21 <sup>st</sup> Jan'2018
Rainfall = 0.0 mm (up to 12 <sup>th</sup> Jan)	<b>Generally clear/dry weather forecasted.</b> Daily maximum and minimum temperature for the following period is predicted to be 23-24°C and 11-12°C respectively. Expected morning and evening relative humidity will be 78-87% and 29-33% respectively. Wind direction is mainly variable with speed range of 4-5 kmph.
<b>Warning:</b>	<ul style="list-style-type: none"><li><b>Moderate to dense fog likely to occur at isolated places</b></li></ul>

### Weather Based Agro-meteorological Advisories Bulletin

#### General Recommendations

- **Spraying operation should be done only on dry/clear weather**
- **Go for low cost poly-houses for year round cultivation of vegetables**
- **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**
- **ICAR Basar recommend poultry variety VANARAJA for backyard rearing.**

Crop	Stage	Pest/Disease	Precautionary Practices to be followed
<b>FIELD CROPS</b>			
Pea	Vegetative	Powdery mildew	<ul style="list-style-type: none"> <li>Need based foliar spray of Dinocap (0.2%) or Carbendazim 50WP (0.1%) or Propiconazole (0.1%).</li> </ul>
<b>Mustard</b>	<b>Vegetative</b>	<b>Aphid</b>	<ul style="list-style-type: none"> <li><b>When population level is high spraying of Dimethoate @ 4 ml per litre of water is advised</b></li> </ul>
Maize	Harvesting	Rat	<ul style="list-style-type: none"> <li>Harvest mature cobs and dry properly before storing</li> <li>Use locally available traps to control rats menace</li> </ul>
<b>VEGETABLES</b>			
Ginger/ Turmeric	Maturity		<ul style="list-style-type: none"> <li>Harvest the mature crop,</li> <li>Cure should be taken while harvest so that the rhizome is not damaged,</li> </ul>
Potato	Vegetative	Red Ants/ Late blight/ Alternaria blight	<ul style="list-style-type: none"> <li>Weeding and application of fertilizer as per recommended doses is suggested in potato.</li> <li><b>Spray Indofil m-45 at regular interval of 7 days in potato/tomato against Alternaria blight</b></li> <li>Ridge should be properly made,</li> <li>Red Ants: - Drenching with Chlorpyrifos @ 2 ml per litre of water,</li> <li>Foliar spray of Dithane <a href="#">M-45@2.5g/litre</a> of water for management of potato late blight.</li> </ul>
Cabbage/ Cauliflower/ Knolkhol/ Others	Maturity	Leaf eating caterpillars/ Aphids	<ul style="list-style-type: none"> <li>Light irrigation is essential,</li> <li>In present weather conditions severe attack of leaf eating caterpillars has been reported. Spray Azadirachtin(0.015%) @6ml/litre of water when weather is clear.</li> <li>Spray with neem based pesticides against aphids</li> </ul>
<b>HORTICULTURAL CROPS</b>			
Large Cardamom	Fruiting	Chirkey Disease	<ul style="list-style-type: none"> <li><b>Remove dry/diseased/old tillers &amp; branches &amp; spray Bio NPK@ 2ml/lit water for proper growth.</b></li> </ul>
Citrus	Maturity/ harvesting	Bark eating caterpillar, Gummosis	<ul style="list-style-type: none"> <li><b>In case of Bark eating caterpillar, remove the wooden frass present in between the joints of the trunk and inject Dichlorovos (DDVP) 76 EC 0.1 percent @ 5ml in the larval tunnel with the help of disposable syringe and push cotton swab soaked in Dichlorovos solution in the larval tunnel.</b></li> <li>Collect dropped fruits &amp; dispose by putting in airtight bags or bury deep in ground.</li> <li>Harvest the mature fruit with stalk and store in dry places.</li> <li>Dead wood pruning may be done after harvesting of crop followed by spraying of fungicide, Carbendazim @ 1gm/lit of water.</li> <li>Breakdown the soil collected around the tree trunk</li> </ul>
Banana	All stages	Sigatoka Leaf spot	<ul style="list-style-type: none"> <li>One sword sucker may be allowed after shooting (Flowering),</li> <li>Periodical removal of side suckers by cutting them above the ground level, scoop the core and pour 2 ml of kerosene in the core,</li> <li>Foliar spray of Propiconazole (e.g., Tilt) @ 1 ml per litre of water</li> </ul>
Kiwi	Harvesting		<ul style="list-style-type: none"> <li>Should be harvested by snapping their stalks</li> <li>Fruit should be stored boxes containing cushioning materials and transported to the market in hard condition.</li> </ul>
<b>Honey Bees</b>			
Honey bees			<ul style="list-style-type: none"> <li>Cover the boxes with locally available dry grass or straw to provide warmth</li> </ul>
<b>LIVESTOCKS</b>			
Livestock	Stage	Disease	Precautionary Practices to be followed
<b>General</b>			
<ul style="list-style-type: none"> <li><b>Damaged grain (not fungus contaminated) to be diverted for Poultry/livestock feeding</b></li> <li><b>Clean drinking water should be ensured round the clock and water troughs/feeders should be regularly cleaned,</b></li> </ul>			
Pigs	All stages	FMD (high fever and appearance of mucous membrane of the mouth and foot.) Swine Fever	<ul style="list-style-type: none"> <li><b>Avoid dampness and cover weak and sick animals with sack cloth.</b></li> <li>Animals should be given lukewarm feed and water.</li> <li>Right time to deworm with anti helmetic drugs (particularly Tapeworms) viz. Fento Plus @ 1 tablet per 30 kg body weight.</li> <li>Provide proper bedding materials especially to new-born</li> </ul>

			piglets and lukewarm food & water
Cattle	All stages	FMD	<ul style="list-style-type: none"> <li>• <b>Animals should be given lukewarm feed and water.</b></li> <li>• <b>Right time to deworm with anti helmetic drugs (particularly Tapeworms) viz. Fento Plus @ 1 tablet per 30 kg body weight.</b></li> <li>• Provide proper bedding materials especially to new-born and lukewarm food &amp; water</li> <li>• Heavy mortality in cloven footed animals has been reported.</li> <li>• Supportive treatment of infected animals under supervision of veterinary department officials,</li> <li>• Avoid mixing of infected and healthy animals,</li> <li>• Keep infected animals separated from the healthy ones,</li> <li>• Vaccinate the healthy animals against FMD (Through State Veterinary Dept.)</li> <li>• Provide feed supplements</li> </ul>
Poultry	All stages		<ul style="list-style-type: none"> <li>• Day old chick-Maintain warmth by lighting,</li> <li>• In present weather conditions protect the birds from cold by using gunny bags/plastic sheets around the poultryshed during night,</li> <li>• Provide heat by lighting 100W bulb @ 1 bulb per 20 newly born chicks.</li> </ul>
Mithun		FMD	<ul style="list-style-type: none"> <li>• Polyvalent FMD vaccine with serotype O, A and Asia at 6 months of age and repeat after that 6 months interval by sub-cutaneous route.</li> <li>• Pregnant animals above 7 months of pregnancy should be avoided.</li> </ul>
<b>Contact Scientists (ICAR) or State Agril Staff or KVK staff for measures against adverse conditions or call at 03795-226237/226247</b>			

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Contact: - [IAAS.BASAR@gmail.com](mailto:IAAS.BASAR@gmail.com), Phone Number: - 03795-226247/37, -96 (Fax)

**Agrometeorological Field Unit  
ICAR, BASAR**

# कृषि मौसम सलाहकार सेवा पत्रिका

## Agro-met Advisory Bulletin

(Period: 17<sup>th</sup> to 19<sup>th</sup> January 2018)

ग्रामीण कृषि मौसम सेवा



**GRAMIN KRISHI MAUSAM SEWA**  
(Integrated Agro-Meteorological Advisory Services)



AMFU, ICAR Research Complex for NEH Region  
Arunachal Pradesh Centre, Basar-791101

**District: Lower Dibang Valley**

No: AMFU-Basar/2018/04

Dated: Tue, 12<sup>th</sup> January 2018



Weather summary of the previous week	Weather forecast valid up to 21 <sup>st</sup> Jan '2018
Rainfall = 0.0 mm (Roing) (up to 12 <sup>th</sup> Jan)	<b>Generally clear/dry weather forecasted.</b> Daily maximum and minimum temperature for the following period is predicted to be 22-23°C and 11-12°C respectively. Expected morning and evening relative humidity will be 79-85% and 30-38% respectively. Wind direction is mainly SE with speed range of 5 kmph.
<b>Warning:</b>	<b>• Moderate to dense fog likely to occur at isolated places</b>

### Weather Based Agro-meteorological Advisories Bulletin

#### General Recommendations

- Disinfecting the animal/bird sheds with lime powder/ bleaching powder/ 4%NaOH at regular interval is advocated
- Spraying operation should be done only on dry/clear weather
- Go for low cost polyhouses for year round cultivation of vegetables
- 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
- ICAR Basar recommend poultry variety VANARAJA for backyard rearing

Crop	Stage	Pest/Disease	Precautionary Practices to be followed
<b>FIELD CROPS</b>			
Pea	Vegetative	Powdery mildew	<ul style="list-style-type: none"> <li>Need based foliar spray of Dinocap (0.2%) or Carbendazim 50WP (0.1%) or Propiconazole (0.1%).</li> </ul>
<b>Mustard</b>	<b>Vegetative</b>	<b>Aphid</b>	<ul style="list-style-type: none"> <li><b>When population level is high spraying of Dimethoate @ 4 ml per litre of water is advised</b></li> </ul>
<b>VEGETABLES</b>			
Ginger/ Turmeric	Maturity		<ul style="list-style-type: none"> <li>Harvest the mature crop,</li> <li>Cure should be taken while harvest so that the rhizome is not damaged,</li> </ul>
Potato	Vegetative	Red Ants/ Late blight/ Alternaria blight	<ul style="list-style-type: none"> <li>Weeding and application of fertilizer as per recommended doses is suggested in potato.</li> <li><b>Spray Indofil m-45 at regular interval of 7 days in potato/tomato against Alternaria blight</b></li> <li>Ridge should be properly made,</li> <li>Red Ants: - Drenching with Chlorpyrifos @ 2 ml per litre of water,</li> <li>Foliar spray of Dithane <a href="#">M-45@2.5g/litre</a> of water for management of potato late blight.</li> </ul>
Cabbage/ Cauliflower/ Knolkhol/ Others	Maturity/ Harvesting	Leaf eating caterpillars/ Aphids	<ul style="list-style-type: none"> <li>Light irrigation is essential,</li> <li>In present weather conditions severe attack of leaf eating caterpillars has been reported. Spray Azadirachtin(0.015%) @6ml/litre of water when weather is clear.</li> <li>Spray with neem based pesticides against aphids</li> </ul>
<b>HORTICULTURAL CROPS</b>			
Citrus	Maturity/ harvesting	Bark eating caterpillar, Gummosis	<ul style="list-style-type: none"> <li><b>In case of Bark eating caterpillar, remove the wooden frass present in between the joints of the trunk and inject Dichlorovos (DDVP) 76 EC 0.1 percent @ 5ml in the larval tunnel with the help of disposable syringe and push cotton swab soaked in Dichlorovos solution in the larval tunnel.</b></li> <li>Collect dropped fruits &amp; dispose by putting in airtight bags or bury deep in ground.</li> <li>Harvest the mature fruit with stalk and store in dry places.</li> <li>Dead wood pruning may be done after harvesting of crop followed by spraying of fungicide, Carbendazim @ 1gm/lit of water.</li> <li>Breakdown the soil collected around the tree trunk</li> </ul>
Large Cardamom	Fruiting	Chirkey Disease	<ul style="list-style-type: none"> <li><b>Remove dry/diseased/old tillers &amp; branches &amp; spray Bio NPK@ 2ml/lit water for proper growth.</b></li> </ul>
Banana	Multiple stages	Sigatoka Leaf spot	<ul style="list-style-type: none"> <li>One sword sucker may be allowed after shooting (Flowering),</li> <li>Periodical removal of side suckers by cutting them above the ground level, scoop the core and pour 2 ml of kerosene in the core,</li> <li>Foliar spray of Propiconazole (e.g., Tilt) @ 1 ml per litre of water</li> </ul>
<b>Honey Bees</b>			
Honey bees			<ul style="list-style-type: none"> <li>Box must be covered with straw/dry leaves to provide warmth</li> </ul>
<b>LIVESTOCKS</b>			
Livestock	Stage	Disease	Precautionary Practices to be followed
<b>General</b>			
<ul style="list-style-type: none"> <li><b>Damaged grain (not fungus contaminated) to be diverted for Poultry/livestock feeding</b></li> <li><b>Clean drinking water should be ensured round the clock and water troughs/feeders should be regularly cleaned,</b></li> </ul>			
Pigs	All stages	FMD (high fever and appearance of mucous membrane of the mouth and foot.) Swine Fever	<ul style="list-style-type: none"> <li><b>Avoid dampness and cover weak and sick animals with sack cloth.</b></li> <li>Animals should be given lukewarm feed and water.</li> <li>Right time to deworm with anti helmetic drugs (particularly Tapeworms) viz. Fento Plus @ 1 tablet per 30 kg body weight.</li> <li>Provide proper bedding materials especially to new-born piglets and lukewarm food &amp; water</li> </ul>
Cattle	All stages	FMD	<ul style="list-style-type: none"> <li><b>Animals should be given lukewarm feed and water.</b></li> <li><b>Right time to deworm with anti helmetic drugs (particularly Tapeworms) viz. Fento Plus @ 1 tablet per 30 kg body weight.</b></li> </ul>

			<ul style="list-style-type: none"> <li>• Provide proper bedding materials especially to new-born and lukewarm food &amp; water</li> <li>• Heavy mortality in cloven footed animals has been reported.</li> <li>• Supportive treatment of infected animals under supervision of veterinary department officials,</li> <li>• Avoid mixing of infected and healthy animals,</li> <li>• Keep infected animals separated from the healthy ones,</li> <li>• Vaccinate the healthy animals against FMD (Through State Veterinary Dept.)</li> <li>• Provide feed supplements</li> </ul>
Poultry	All stages		<ul style="list-style-type: none"> <li>• Day old chick-Maintain warmth by lighting,</li> <li>• In present weather conditions protect the birds from cold by using gunny bags/plastic sheets around the poultry shed during night,</li> <li>• Provide heat by lighting 100W bulb @ 1 bulb per 20 newly born chicks.</li> </ul>
Goat	All stages		<ul style="list-style-type: none"> <li>• Deworming for gastrointestinal parasite</li> </ul>

**Contact Scientists (ICAR) or State Agril Staff or KVK staff for measures against adverse conditions or call at 03795-226237/226247**

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**Agrometeorological Field Unit  
ICAR, BASAR**

# कृषि मौसम सलाहकार सेवा पत्रिका

## Agro-met Advisory Bulletin

(Period: 17<sup>th</sup> to 19<sup>th</sup> January 2018)

ग्रामीण कृषि मौसम सेवा



GRAMIN KRISHI MAUSAM SEWA

(Integrated Agro-Meteorological Advisory Services)



भा.क.अनु.प. - पू.प.सं.  
ICAR - RCNEH

AMFU, ICAR Research Complex for NEH Region  
Arunachal Pradesh Centre, Basar-791101

**District: Lower Subansiri**

**No: AMFU-Basar/2018/05**

**Dated: Tue, 16<sup>th</sup> January 2018**



Weather summary of the previous week	Weather forecast valid up to 21 <sup>st</sup> Jan'2018
Rainfall = NA	<b>Generally clear/dry weather forecasted.</b> Daily maximum and minimum temperature for the following period is predicted to be 23-24°C and 11-012°C respectively. Expected morning and evening relative humidity will be 78-86% and 29-33% respectively. Wind direction is mainly variable with speed range of 4-5 kmph.
<b>Warning:</b>	<b>• Moderate to dense fog likely to occur at isolated places</b>

### Weather Based Agro-meteorological Advisories Bulletin

- **Disinfecting the animal/bird sheds with lime powder/ bleaching powder/ 4%NaOH at regular interval is advocated**
- **Spraying operation should be done only on dry/clear weather**
- **Go for low cost polyhouses for year round cultivation of vegetables**
- **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**
- **ICAR Basar recommend poultry variety VANARAJA for backyard rearing**

Crop	Stage	Pest/Disease	Precautionary Practices to be followed
<b>FIELD CROPS</b>			
Soybean	Harvesting		<ul style="list-style-type: none"> <li>Immediately harvest soybean &amp; thoroughly dry in sun.</li> </ul>
Pea	Vegetative	Powdery mildew	<ul style="list-style-type: none"> <li>Need based foliar spray of Dinocap (0.2%) or Carbendazim 50WP (0.1%) or Propiconazole (0.1%).</li> </ul>
Rice	Maturity/ Harvesting	Gundhi bug/ leaf folder/ rice skipper	<ul style="list-style-type: none"> <li><b>harvest the mature crop</b></li> <li><b>proper sun-drying before storag</b></li> </ul>
<b>VEGETABLES</b>			
Potato	Vegetative	Red Ants/ Late blight/ Alternaria blight	<ul style="list-style-type: none"> <li>Weeding and application of fertilizer as per recommended doses is suggested in potato.</li> <li><b>Spray Indofil m-45 at regular interval of 7 days in potato/tomato against Alternaria blight</b></li> <li>Ridge should be properly made,</li> <li>Red Ants: - Drenching with Chlorpyriphos @ 2 ml per litre of water,</li> <li>Foliar spray of Dithane <a href="#">M-45@2.5g/litre</a> of water for management of potato late blight.</li> </ul>
Cabbage/ Cauliflower/ Knolkhol/ Others	Maturity/ Harvesting	Leaf eating caterpillars/ Aphids	<ul style="list-style-type: none"> <li>Light irrigation is essential,</li> <li>In present weather conditions severe attack of leaf eating caterpillars has been reported. Spray Azadirachtin(0.015%) @6ml/litre of water when weather is clear.</li> <li>Spray with neem based pesticides against aphids</li> </ul>
<b>HORTICULTURAL CROPS</b>			
Pineapple	Harvesting		<ul style="list-style-type: none"> <li><b>After winter harvest, collection/Selection of suckers &amp; slip to be done for next season planting</b></li> </ul>
Banana	Bunching	Cold	<ul style="list-style-type: none"> <li>Cover newly emerged bunches with locally available sack to protect from cold/frost</li> <li><b>Mulching with straw/crop residue at root zone to avoid frost injury in banana.</b></li> </ul>
Temperate fruits	After harvesting		<ul style="list-style-type: none"> <li>Training &amp; pruning of the temperate crops (apple/pears/peach) is recommended</li> </ul>
Citrus	Maturity/ harvesting	Fruit Drop Fruit Fly Gummosis	<ul style="list-style-type: none"> <li>Harvest the mature fruit with stalk and store in dry places.</li> <li><b>Collect &amp; dispose rotten fallen fruits/ install fruit-fly traps</b></li> <li><b>Dead wood pruning may be done after harvesting of crop followed by spraying of fungicide, Carbendazim @ 1gm/lit of water.</b></li> <li><b>Breakdown the soil collected around the tree trunk</b></li> </ul>
<b>Agroforestry</b>			
Toko palm	Nursery		Filling of nursery polybags for raising of takopalm seedlings
<b>Honey Bees</b>			
Honey bees			<ul style="list-style-type: none"> <li>Box must be covered with straw/dry leaves to provide warmth</li> </ul>
<b>LIVESTOCKS</b>			
Livestock	Stage	Disease	Precautionary Practices to be followed
<b>General</b>			
<ul style="list-style-type: none"> <li><b>Damaged grain (not fungus contaminated) to be diverted for Poultry/livestock feeding</b></li> <li><b>Clean drinking water should be ensured round the clock and water troughs/feeders should be regularly cleaned,</b></li> </ul>			
Pigs	All stages	FMD (high fever and appearance of mucous membrane of the mouth and foot.) Swine Fever	<ul style="list-style-type: none"> <li><b>Avoid dampness and cover weak and sick animals with sack cloth.</b></li> <li>Animals should be given lukewarm feed and water.</li> <li>Right time to deworm with anti helmetic drugs (particularly Tapeworms) viz. Fento Plus @ 1 tablet per 30 kg body weight.</li> <li>Provide proper bedding materials especially to new-born piglets and lukewarm food &amp; water</li> </ul>
Cattle	All stages	FMD	<ul style="list-style-type: none"> <li><b>Animals should be given lukewarm feed and water.</b></li> <li><b>Right time to deworm with anti helmetic drugs (particularly Tapeworms) viz. Fento Plus @ 1 tablet per 30 kg body weight.</b></li> <li>Provide proper bedding materials especially to new-born and lukewarm food &amp; water</li> <li>Heavy mortality in cloven footed animals has been reported.</li> <li>Supportive treatment of infected animals under supervision of</li> </ul>

			veterinary department officials, <ul style="list-style-type: none"> <li>• Avoid mixing of infected and healthy animals,</li> <li>• Keep infected animals separated from the healthy ones,</li> <li>• Vaccinate the healthy animals against FMD (Through State Veterinary Dept.)</li> <li>• Provide feed supplements</li> </ul>
Poultry	All stages		<ul style="list-style-type: none"> <li>• Day old chick-Maintain warmth by lighting,</li> <li>• In present weather conditions protect the birds from cold by using gunny bags/plastic sheets around the poultryshed during night,</li> <li>• Provide heat by lighting 100W bulb @ 1 bulb per 20 newly born chicks.</li> </ul>
Mithun		FMD	<ul style="list-style-type: none"> <li>• Polyvalent FMD vaccine with serotype O, A and Asia at 6 months of age and repeat after that 6 months interval by sub-cutaneous route.</li> <li>• Pregnant animals above 7 months of pregnancy should be avoided.</li> </ul>
<b>Contact Scientists (ICAR) or State Agril Staff or KVK staff for measures against adverse conditions or call at 03795-226237/226247</b>			

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**Agrometeorological Field Unit  
 ICAR, BASAR**

# कृषि मौसम सलाहकार सेवा पत्रिका

## Agro-met Advisory Bulletin

(Period: 17<sup>th</sup> to 19<sup>th</sup> January 2018)

ग्रामीण कृषि मौसम सेवा



GRAMIN KRISHI MAUSAM SEWA

(Integrated Agro-Meteorological Advisory Services)



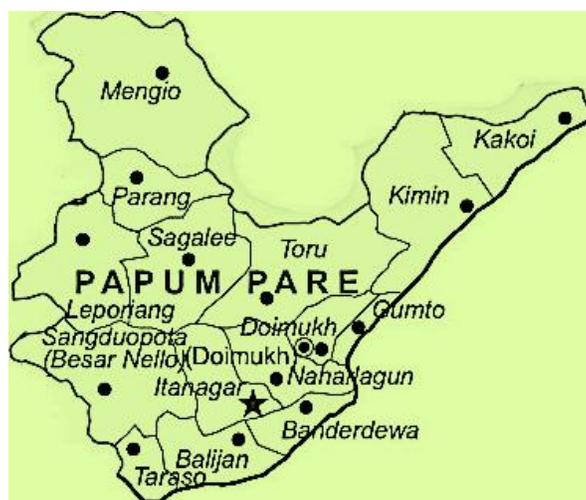
भा.क.अनु.प.सं.  
ICAR-RCNEH

AMFU, ICAR Research Complex for NEH Region  
Arunachal Pradesh Centre, Basar-791101

**District: Papum Pare**

No: AMFU-Basar/2018/04

Dated: Tue, 12<sup>th</sup> January 2018



Weather summary of the previous week	Weather forecast valid up to 21 <sup>st</sup> Jan'2018
Rainfall: 0.0 mm; T. Max: 26.0°C; T. Min: 09.0°C ; RH: 56-76% (up to 12 <sup>th</sup> Jan)	Generally clear/dry weather forecasted. Daily maximum and minimum temperature for the following period is predicted to be 24-25°C and 09-10°C respectively. Expected morning and evening relative humidity will be 87-88% and 36-47% respectively. Expected wind direction mainly SW & WSW with speed range of 4-5 kmph.
<b>Warning:</b>	<b>Moderate to dense fog likely to occur at isolated places</b>

### Weather Based Agro-meteorological Advisories Bulletin

#### General Recommendations

- Disinfecting the animal/bird sheds with lime powder/ bleaching powder/ 4%NaOH at regular interval is advocated
- Spraying operation should be done only on dry/clear weather
- Go for low cost polyhouses for year round cultivation of vegetables
- 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
- ICAR Basar recommend poultry variety VANARAJA for backyard rearing

Crop	Stage	Pest/Disease	Precautionary Practices to be followed
<b>FIELD CROPS</b>			
Pea	Vegetative	Powdery mildew	<ul style="list-style-type: none"> <li>Need based foliar spray of Dinocap (0.2%) or Carbendazim 50WP (0.1%) or Propiconazole (0.1%).</li> </ul>
<b>Mustard</b>	<b>Vegetative</b>	<b>Aphid</b>	<ul style="list-style-type: none"> <li><b>When population level is high spraying of Dimethoate @ 4 ml per litre of water is advised</b></li> </ul>
Maize	Harvesting	Rat	<ul style="list-style-type: none"> <li>Harvest mature cobs and dry properly before storing</li> <li>Use locally available traps to control rats menace</li> </ul>
<b>VEGETABLES</b>			
Ginger/ Turmeric	Maturity		<ul style="list-style-type: none"> <li>Harvest the mature crop,</li> <li>Cure should be taken while harvest so that the rhizome is not damaged,</li> </ul>
Potato	Vegetative	Red Ants/ Late blight/ Alternaria blight	<ul style="list-style-type: none"> <li>Weeding and application of fertilizer as per recommended doses is suggested in potato.</li> <li><b>Spray Indofil m-45 at regular interval of 7 days in potato/tomato against Alternaria blight</b></li> <li>Ridge should be properly made,</li> <li>Red Ants: - Drenching with Chlorpyrifos @ 2 ml per litre of water,</li> <li>Foliar spray of Dithane <a href="#">M-45@2.5g/litre</a> of water for management of potato late blight.</li> </ul>
Cabbage/ Cauliflower/ Knolkhol/ Others	Maturity/ Harvesting	Leaf eating caterpillars/ Aphids	<ul style="list-style-type: none"> <li>Light irrigation is essential,</li> <li>In present weather conditions severe attack of leaf eating caterpillars has been reported. Spray Azadirachtin(0.015%) @6ml/litre of water when weather is clear.</li> <li>Spray with neem based pesticides against aphids</li> </ul>
<b>HORTICULTURAL CROPS</b>			
Citrus	Maturity/ harvesting	Bark eating caterpillar, Gummosis	<ul style="list-style-type: none"> <li><b>In case of Bark eating caterpillar, remove the wooden frass present in between the joints of the trunk and inject Dichlorovos (DDVP) 76 EC 0.1 percent @ 5ml in the larval tunnel with the help of disposable syringe and push cotton swab soaked in Dichlorovos solution in the larval tunnel.</b></li> <li>Collect dropped fruits &amp; dispose by putting in airtight bags or bury deep in ground.</li> <li>Harvest the mature fruit with stalk and store in dry places.</li> <li>Dead wood pruning may be done after harvesting of crop followed by spraying of fungicide, Carbendazim @ 1gm/lit of water.</li> <li>Breakdown the soil collected around the tree trunk</li> </ul>
Large Cardamom	Fruiting	Chirkey Disease	<ul style="list-style-type: none"> <li><b>Remove dry/diseased/old tillers &amp; branches &amp; spray Bio NPK@ 2ml/lit water for proper growth.</b></li> </ul>
Banana	Multiple stages	Sigatoka Leaf spot	<ul style="list-style-type: none"> <li>One sword sucker may be allowed after shooting (Flowering),</li> <li>Periodical removal of side suckers by cutting them above the ground level, scoop the core and pour 2 ml of kerosene in the core,</li> <li>Foliar spray of Propiconazole (e.g., Tilt) @ 1 ml per litre of water</li> </ul>
<b>Honey Bees</b>			
Honey bees			<ul style="list-style-type: none"> <li>Box must be covered with straw/dry leaves to provide warmth</li> </ul>
<b>LIVESTOCKS</b>			
Livestock	Stage	Disease	Precautionary Practices to be followed
<b>General</b>			
<ul style="list-style-type: none"> <li><b>Damaged grain (not fungus contaminated) to be diverted for Poultry/livestock feeding</b></li> <li><b>Clean drinking water should be ensured round the clock and water troughs/feeders should be regularly cleaned,</b></li> </ul>			
Goat	All stages		<ul style="list-style-type: none"> <li>Deworming for gastrointestinal parasite</li> </ul>
Pigs	All stages	FMD (high fever and appearance of mucous membrane of the mouth and foot.) Swine Fever	<ul style="list-style-type: none"> <li><b>Avoid dampness and cover weak and sick animals with sack cloth.</b></li> <li>Animals should be given lukewarm feed and water.</li> <li>Right time to deworm with anti helmetic drugs (particularly Tapeworms) viz. Fento Plus @ 1 tablet per 30 kg body weight.</li> <li>Provide proper bedding materials especially to new-born piglets and lukewarm food &amp; water</li> </ul>
Fishery			<ul style="list-style-type: none"> <li><b>Keep fish stoking density thin @1200/ha</b></li> </ul>

Cattle	All stages	FMD	<ul style="list-style-type: none"> <li>• <b>Animals should be given lukewarm feed and water.</b></li> <li>• <b>Right time to deworm with anti helmetic drugs (particularly Tapeworms) viz. Fento Plus @ 1 tablet per 30 kg body weight.</b></li> <li>• Provide proper bedding materials especially to new-born and lukewarm food &amp; water</li> <li>• Heavy mortality in cloven footed animals has been reported.</li> <li>• Supportive treatment of infected animals under supervision of veterinary department officials,</li> <li>• Avoid mixing of infected and healthy animals,</li> <li>• Keep infected animals separated from the healthy ones,</li> <li>• Vaccinate the healthy animals against FMD (Through State Veterinary Dept.)</li> <li>• Provide feed supplements</li> </ul>
Pigs	All stages	FMD (high fever and appearance of mucous membrane of the mouth and foot.) Swine Fever	<ul style="list-style-type: none"> <li>• Iron injection within 10 days of birth is advised to newly born piglets if they are kept in confined system</li> <li>• Deworm with anti helmetic drugs (particularly Tapeworms) viz. Fento Plus @ 1 tablet per 30 kg body weight <b>In present weather conditions vaccinate against swine fever (Vaccines available in State Veterinary Depts),</b></li> </ul>
<b>Contact Scientists (ICAR) or State Agril Staff or KVK staff for measures against adverse conditions or call at 03795-226237/226247</b>			

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**Agrometeorological Field Unit  
ICAR, BASAR**

# कृषि मौसम सलाहकार सेवा पत्रिका

## Agro-met Advisory Bulletin

(Period: 17<sup>th</sup> to 19<sup>th</sup> January 2018)

ग्रामीण कृषि मौसम सेवा



GRAMIN KRISHI MAUSAM SEWA

(Integrated Agro-Meteorological Advisory Services)



AMFU, ICAR Research Complex for NEH Region  
Arunachal Pradesh Centre, Basar-791101

**District: Tawang**

No: AMFU-Basar/2018/05

Dated: Tue, 16<sup>th</sup> January 2018



Weather summary of the previous week	Weather forecast valid up to 21 <sup>st</sup> Jan'2018
Rainfall = 0.0 mm (up to 12 <sup>th</sup> Jan)	Generally clear/dry weather forecasted. Daily maximum and minimum temperature for the following period is predicted to be 09-10°C and 0.0-1.0°C respectively. Expected morning and evening relative humidity will be 52-60% and 10-23% respectively. Wind direction is mainly SSE with probable speed range of 6 kmph.
<b>Warning:</b>	<b>• Moderate to dense fog likely to occur at isolated places</b>

### Weather Based Agro-meteorological Advisories Bulletin

#### General Recommendations

- Disinfecting the animal/bird sheds with lime powder/ bleaching powder/ 4%NaOH at regular interval is advocated
- All spraying operation should be done only on dry/clear weather
- Go for low cost polyhouses for year round cultivation of vegetables
- 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
- ICAR Basar recommend poultry variety VANARAJA for backyard rearing

Crop	Stage	Pest/Disease	Precautionary Practices to be followed
<b>FIELD CROPS</b>			
Rice	Harvesting		<ul style="list-style-type: none"> <li>Sun-dry &amp; properly winnow the grains for safe storage.</li> </ul>
Maize	Harvesting	Rat	<ul style="list-style-type: none"> <li>Harvest mature cobs and dry properly before storing</li> <li>Use locally available traps to control rats menace</li> </ul>
<b>VEGETABLES</b>			
Potato	Vegetative	Red Ants/ Late blight/ Alternaria blight	<ul style="list-style-type: none"> <li>Weeding and application of fertilizer as per recommended doses is suggested in potato.</li> <li><b>Spray Indofil m-45 at regular interval of 7 days in potato/tomato against Alternaria blight</b></li> <li>Ridge should be properly made,</li> <li>Red Ants: - Drenching with Chlorpyrifos @ 2 ml per litre of water,</li> <li>Foliar spray of Dithane <a href="#">M-45@2.5g/litre</a> of water for management of potato late blight.</li> </ul>
Cabbage/ Cauliflower/ Knolkhol/ Others	Maturity	Leaf eating caterpillars/ Aphids	<ul style="list-style-type: none"> <li>Light irrigation is essential,</li> <li>In present weather conditions severe attack of leaf eating caterpillars has been reported. Spray Azadirachtin(0.015%) @6ml/litre of water when weather is clear.</li> <li>Spray with neem based pesticides against aphids</li> </ul>
<b>HORTICULTURAL CROPS</b>			
Banana	Bunching	Cold	<ul style="list-style-type: none"> <li>Cover newly emerged bunches with locally available sack to protect from cold/frost</li> <li><b>Mulching with straw/crop residue at root zone to avoid frost injury in banana.</b></li> </ul>
Temperate fruits	After harvesting		<ul style="list-style-type: none"> <li>Training &amp; pruning of the temperate crops (apple/pears/peach) is recommended</li> </ul>
Kiwi	Harvesting		<ul style="list-style-type: none"> <li>Should be harvested by snapping their stalks</li> <li>Fruit should be stored boxes containing cushioning materials and transported to the market in hard condition.</li> </ul>
Orchards			<ul style="list-style-type: none"> <li>Prepare half moon terraces in fruit crops (orange/banana/apple/peach) grown in steep slopes to prevent nutrient loss during heavy downpour.</li> <li>Follow proper drainage and earthing up practices in low land/plain areas to avoid water stagnation in fruit orchards</li> </ul>
<b>Honey Bees</b>			
Honey bees			<ul style="list-style-type: none"> <li>Provide sugar syrup near the box</li> <li>Cover the boxes with locally available dry grass to provide warmth.</li> </ul>
<b>LIVESTOCKS</b>			
Livestock	Stage	Disease	Precautionary Practices to be followed
<b>General</b>			
<ul style="list-style-type: none"> <li><b>Damaged grain (not fungus contaminated) to be diverted for Poultry/livestock feeding</b></li> <li><b>Clean drinking water should be ensured round the clock and water troughs/feeders should be regularly cleaned,</b></li> </ul>			
Pigs	All stages	FMD (high fever and appearance of mucous membrane of the mouth and foot.) Swine Fever	<ul style="list-style-type: none"> <li><b>Avoid dampness and cover weak and sick animals with sack cloth.</b></li> <li>Animals should be given lukewarm feed and water.</li> <li>Right time to deworm with anti helmetic drugs (particularly Tapeworms) viz. Fento Plus @ 1 tablet per 30 kg body weight.</li> <li>Provide proper bedding materials especially to new-born piglets and lukewarm food &amp; water</li> </ul>
Cattle	All stages	FMD	<ul style="list-style-type: none"> <li><b>Animals should be given lukewarm feed and water.</b></li> <li><b>Right time to deworm with anti helmetic drugs (particularly Tapeworms) viz. Fento Plus @ 1 tablet per 30 kg body weight.</b></li> <li>Provide proper bedding materials especially to new-born and lukewarm food &amp; water</li> <li>Heavy mortality in cloven footed animals has been reported.</li> <li>Supportive treatment of infected animals under supervision of veterinary department officials,</li> <li>Avoid mixing of infected and healthy animals,</li> <li>Keep infected animals separated from the healthy ones,</li> <li>Vaccinate the healthy animals against FMD (Through State Veterinary Dept.)</li> </ul>

			<ul style="list-style-type: none"> <li>• Provide feed supplements</li> </ul>
Poultry	All stages		<ul style="list-style-type: none"> <li>• Day old chick-Maintain warmth by lighting,</li> <li>• In present weather conditions protect the birds from cold by using gunny bags/plastic sheets around the poultryshed during night,</li> <li>• Provide heat by lighting 100W bulb @ 1 bulb per 20 newly born chicks.</li> </ul>
<b>Contact Scientists (ICAR) or State Agril Staff or KVK staff for measures against adverse conditions or call at 03795-226237/226247</b>			

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**Agrometeorological Field Unit**  
**ICAR, BASAR**

# कृषि मौसम सलाहकार सेवा पत्रिका

## Agro-met Advisory Bulletin

(Period: 17<sup>th</sup> to 19<sup>th</sup> January 2018)

ग्रामीण कृषि मौसम सेवा



GRAMIN KRISHI MAUSAM SEWA

(Integrated Agro-Meteorological Advisory Services)



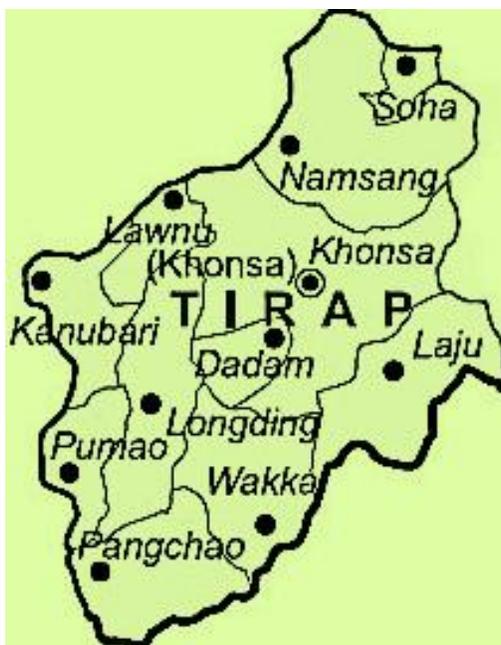
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ICAR - RCNEH

AMFU, ICAR Research Complex for NEH Region  
Arunachal Pradesh Centre, Basar-791101

**District: Tirap**

No: AMFU-Basar/2018/05

Dated: Tue, 16<sup>th</sup> January 2018



Weather summary of the previous week	Weather forecast valid up to 17 <sup>th</sup> Jan'2018
Rainfall = 0.0 mm (up to 12 <sup>th</sup> Jan)	<b>Generally clear/dry weather forecasted.</b> Daily maximum and minimum temperature for the following period is predicted to be 24-26°C and 11-12°C respectively. Expected morning and evening relative humidity will be 81-86% and 19-29% respectively. Wind direction is mainly ESE with speed range of 5-6 kmph.
<b>Warning:</b>	<b>• Moderate to dense fog likely to occur at isolated places</b>

### Weather Based Agro-meteorological Advisories Bulletin

- Disinfecting the animal/bird sheds with lime powder/ bleaching powder/ 4%NaOH at regular interval is advocated.
- Go for low cost polyhouses for year round cultivation of vegetables
- 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
- ICAR Basar recommend poultry variety VANARAJA for backyard rearing

Crop	Stage	Pest/Disease	Precautionary Practices to be followed
<b>FIELD CROPS</b>			
Pea	Vegetative	Powdery mildew	<ul style="list-style-type: none"> <li>Need based foliar spray of Dinocap (0.2%) or Carbendazim 50WP (0.1%) or Propiconazole (0.1%).</li> </ul>
<b>Mustard</b>	<b>Vegetative</b>	<b>Aphid</b>	<ul style="list-style-type: none"> <li><b>When population level is high spraying of Dimethoate @ 4 ml per litre of water is advised</b></li> </ul>
<b>VEGETABLES</b>			
Ginger/ Turmeric	Maturity		<ul style="list-style-type: none"> <li>Harvest the mature crop,</li> <li>Cure should be taken while harvest so that the rhizome is not damaged,</li> </ul>
Potato	Vegetative	Red Ants/ Late blight/ Alternaria blight	<ul style="list-style-type: none"> <li>Weeding and application of fertilizer as per recommended doses is suggested in potato.</li> <li><b>Spray Indofil m-45 at regular interval of 7 days in potato/tomato against Alternaria blight</b></li> <li>Ridge should be properly made,</li> <li>Red Ants: - Drenching with Chlorpyrifos @ 2 ml per litre of water,</li> <li>Foliar spray of Dithane <a href="#">M-45@2.5g/litre</a> of water for management of potato late blight.</li> </ul>
Cabbage/ Cauliflower/ Knolkhol/ Others	Maturity/ Harvesting	Leaf eating caterpillars/ Aphids	<ul style="list-style-type: none"> <li>Light irrigation is essential,</li> <li>In present weather conditions severe attack of leaf eating caterpillars has been reported. Spray Azadirachtin(0.015%) @6ml/litre of water when weather is clear.</li> <li>Spray with neem based pesticides against aphids</li> </ul>
<b>HORTICULTURAL CROPS</b>			
Citrus	Maturity/ harvesting	Bark eating caterpillar, Gummosis	<ul style="list-style-type: none"> <li><b>In case of Bark eating caterpillar, remove the wooden frass present in between the joints of the trunk and inject Dichlorovos (DDVP) 76 EC 0.1 percent @ 5ml in the larval tunnel with the help of disposable syringe and push cotton swab soaked in Dichlorovos solution in the larval tunnel.</b></li> <li>Collect dropped fruits &amp; dispose by putting in airtight bags or bury deep in ground.</li> <li>Harvest the mature fruit with stalk and store in dry places.</li> <li>Dead wood pruning may be done after harvesting of crop followed by spraying of fungicide, Carbendazim @ 1gm/lit of water.</li> <li>Breakdown the soil collected around the tree trunk</li> </ul>
Banana	All stages	Sigatoka Leaf spot	<ul style="list-style-type: none"> <li>One sword sucker may be allowed after shooting (Flowering),</li> <li>Periodical removal of side suckers by cutting them above the ground level, scoop the core and pour 2 ml of kerosene in the core,</li> <li>Foliar spray of Propiconazole (e.g., Tilt) @ 1 ml per litre of water</li> </ul>
<b>Honey Bees</b>			
			<ul style="list-style-type: none"> <li>Box must be covered with straw/dry leaves to provide warmth</li> </ul>
<b>LIVESTOCKS</b>			
Livestock	Stage	Disease	Precautionary Practices to be followed
<b>General</b>			
<ul style="list-style-type: none"> <li><b>Damaged grain (not fungus contaminated) to be diverted for Poultry/livestock feeding</b></li> <li><b>Clean drinking water should be ensured round the clock and water troughs/feeders should be regularly cleaned,</b></li> </ul>			
Pigs	All stages	FMD (high fever and appearance of mucous membrane of the mouth and foot.) Swine Fever	<ul style="list-style-type: none"> <li><b>Avoid dampness and cover weak and sick animals with sack cloth.</b></li> <li>Animals should be given lukewarm feed and water.</li> <li>Right time to deworm with anti helmetic drugs (particularly Tapeworms) viz. Fento Plus @ 1 tablet per 30 kg body weight.</li> <li>Provide proper bedding materials especially to new-born piglets and lukewarm food &amp; water</li> </ul>
Cattle	All stages	FMD	<ul style="list-style-type: none"> <li><b>Animals should be given lukewarm feed and water.</b></li> <li><b>Right time to deworm with anti helmetic drugs (particularly Tapeworms) viz. Fento Plus @ 1 tablet per 30 kg body weight.</b></li> <li>Provide proper bedding materials especially to new-born and lukewarm food &amp; water</li> </ul>

			<ul style="list-style-type: none"> <li>• Heavy mortality in cloven footed animals has been reported.</li> <li>• Supportive treatment of infected animals under supervision of veterinary department officials,</li> <li>• Avoid mixing of infected and healthy animals,</li> <li>• Keep infected animals separated from the healthy ones,</li> <li>• Vaccinate the healthy animals against FMD (Through State Veterinary Dept.)</li> <li>• Provide feed supplements</li> </ul>
Pigs	All stages	FMD (high fever and appearance of mucous membrane of the mouth and foot.) Swine Fever	<ul style="list-style-type: none"> <li>• Iron injection within 10 days of birth is advised to newly born piglets if they are kept in confined system</li> <li>• Deworm with anti helmetic drugs (particularly Tapeworms) viz. Fento Plus @ 1 tablet per 30 kg body weight</li> <li>• <b>In present weather conditions vaccinate against swine fever (Vaccines available in State Veterinary Depts),</b></li> </ul>
<b>Contact Scientists (ICAR) or State Agril Staff or KVK staff for measures against adverse conditions or call at 03795-226237/226247</b>			

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**Agrometeorological Field Unit  
ICAR, BASAR**

# कृषि मौसम सलाहकार सेवा पत्रिका

## Agro-met Advisory Bulletin

(Period: 17<sup>th</sup> to 19<sup>th</sup> January 2018)

ग्रामीण कृषि मौसम सेवा



**GRAMIN KRISHI MAUSAM SEWA**  
(Integrated Agro-Meteorological Advisory Services)



ICAR Research Complex for NEH Region  
Arunachal Pradesh Centre, Basar-791101

**District: Upper Siang**

**No: AMFU-Basar/2018/05**

**Dated: Tue, 16<sup>th</sup> January 2018**



Weather summary of the previous week	Weather forecast valid up to 21 <sup>st</sup> Jan'2018
Rainfall = 0.0 mm (up to 12 <sup>th</sup> Jan)	<b>Generally clear/dry weather forecasted.</b> Daily maximum and minimum temperature for the following period is predicted to be 17-18°C and 05-07°C respectively. Expected morning and evening relative humidity will be 57-70% and 25-31% respectively. Wind direction is mainly SE & SSE with speed range of 5-6 kmph.
<b>Warning:</b>	<b>• Moderate to dense fog likely to occur at isolated places</b>

### Weather Based Agro-meteorological Advisories Bulletin

#### General Recommendations

- Disinfecting the animal/bird sheds with lime powder/bleaching powder/4%NaOH at regular interval is advocated
- Spraying operation should be done only on dry/clear weather
- Go for low cost poly-houses for year round cultivation of vegetables
- 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
- ICAR Basar recommend poultry variety VANARAJA for backyard rearing

Crop	Stage	Pest/Disease	Precautionary Practices to be followed
<b>FIELD CROPS</b>			
Rice	Harvesting		<ul style="list-style-type: none"> <li>• Sun-dry &amp; properly winnow the grains for safe storage.</li> <li>• In case of rain delay harvesting</li> </ul>
Pea	Vegetative	Powdery mildew	<ul style="list-style-type: none"> <li>• Need based foliar spray of Dinocap (0.2%) or Carbendazim 50WP (0.1%) or Propiconazole (0.1%).</li> </ul>
Maize	Harvesting	Rat	<ul style="list-style-type: none"> <li>• Harvest mature cobs and dry properly before storing</li> <li>• Use locally available traps to control rats menace</li> </ul>
<b>VEGETABLES</b>			
Ginger/ Turmeric	Maturity		<ul style="list-style-type: none"> <li>• Harvest the mature crop,</li> <li>• Cure should be taken while harvest so that the rhizome is not damaged,</li> </ul>
Potato	Vegetative	Red Ants/ Late blight/ Alternaria blight	<ul style="list-style-type: none"> <li>• Weeding and application of fertilizer as per recommended doses is suggested in potato.</li> <li>• <b>Spray Indofil m-45 at regular interval of 7 days in potato/tomato against Alternaria blight</b></li> <li>• Ridge should be properly made,</li> <li>• Red Ants: - Drenching with Chlorpyrifos @ 2 ml per litre of water,</li> <li>• Foliar spray of Dithane <a href="#">M-45@2.5g/litre</a> of water for management of potato late blight.</li> </ul>
Cabbage/ Cauliflower/ Knolkhol/ Others	Maturity/ Harvesting	Leaf eating caterpillars/ Aphids	<ul style="list-style-type: none"> <li>• Light irrigation is essential,</li> <li>• In present weather conditions severe attack of leaf eating caterpillars has been reported. Spray Azadirachtin(0.015%) @6ml/litre of water when weather is clear.</li> <li>• Spray with neem based pesticides against aphids</li> </ul>
<b>HORTICULTURAL CROPS</b>			
Pineapple	Harvesting		<ul style="list-style-type: none"> <li>• <b>After winter harvest, collection/Selection of suckers &amp; slip to be done for next season planting</b></li> </ul>
Banana	Bunching	Cold	<ul style="list-style-type: none"> <li>• Cover newly emerged bunches with locally available sack to protect from cold/frost</li> <li>• <b>Mulching with straw/crop residue at root zone to avoid frost injury in banana.</b></li> </ul>
Temperate fruits	After harvesting		<ul style="list-style-type: none"> <li>• Training &amp; pruning of the temperate crops (apple/pears/peach) is recommended</li> </ul>
Citrus	Maturity/ harvesting	Fruit Drop Fruit Fly Gummosis	<ul style="list-style-type: none"> <li>• Harvest the mature fruit with stalk and store in dry places.</li> <li>• <b>Collect &amp; dispose rotten fallen fruits/ install fruit-fly traps</b></li> <li>• <b>Dead wood pruning may be done after harvesting of crop followed by spraying of fungicide, Carbendazim @ 1gm/lit of water.</b></li> <li>• <b>Breakdown the soil collected around the tree trunk</b></li> </ul>
Kiwi	Harvesting		<ul style="list-style-type: none"> <li>• Should be harvested by snapping their stalks</li> <li>• Fruit should be stored boxes containing cushioning materials and transported to the market in hard condition.</li> </ul>
<b>Honey Bees</b>			
Honey bees			<ul style="list-style-type: none"> <li>• Box must be covered with straw/dry leaves to provide warmth</li> <li>• Provide sugar syrup</li> </ul>
<b>LIVESTOCKS</b>			
Livestock	Stage	Disease	Precautionary Practices to be followed
<b>General</b>			
<ul style="list-style-type: none"> <li>• <b>Damaged grain (not fungus contaminated) to be diverted for Poultry/livestock feeding</b></li> <li>• <b>Clean drinking water should be ensured round the clock and water troughs/feeders should be regularly cleaned,</b></li> </ul>			
Pigs	All stages	FMD (high fever and appearance of mucous membrane of the mouth and foot.) Swine Fever	<ul style="list-style-type: none"> <li>• <b>Avoid dampness and cover weak and sick animals with sack cloth.</b></li> <li>• Animals should be given lukewarm feed and water.</li> <li>• Right time to deworm with anti helmetic drugs (particularly Tapeworms) viz. Fento Plus @ 1 tablet per 30 kg body weight.</li> <li>• Provide proper bedding materials especially to new-born piglets and lukewarm food &amp; water</li> </ul>
Cattle	All stages	FMD	<ul style="list-style-type: none"> <li>• <b>Animals should be given lukewarm feed and water.</b></li> <li>• <b>Right time to deworm with anti helmetic drugs</b></li> </ul>

			<p><b>(particularly Tapeworms) viz. Fento Plus @ 1 tablet per 30 kg body weight.</b></p> <ul style="list-style-type: none"> <li>• Provide proper bedding materials especially to new-born and lukewarm food &amp; water</li> <li>• Heavy mortality in cloven footed animals has been reported.</li> <li>• Supportive treatment of infected animals under supervision of veterinary department officials,</li> <li>• Avoid mixing of infected and healthy animals,</li> <li>• Keep infected animals separated from the healthy ones,</li> <li>• Vaccinate the healthy animals against FMD (Through State Veterinary Dept.)</li> <li>• Provide feed supplements</li> </ul>
Fishery			<ul style="list-style-type: none"> <li>• Application of quick lime is highly recommended in order to rectify water pH.</li> <li>• Application of fish feed (mustard oil cake) is essential for achieving higher yield</li> </ul>
Poultry	All stages		<ul style="list-style-type: none"> <li>• Day old chick-Maintain warmth by lighting,</li> <li>• In present weather conditions protect the birds from cold by using gunny bags/plastic sheets around the poultryshed during night,</li> <li>• Provide heat by lighting 100W bulb @ 1 bulb per 20 newly born chicks.</li> </ul>
Mithun		FMD	<ul style="list-style-type: none"> <li>• Polyvalent FMD vaccine with serotype O, A and Asia at 6 months of age and repeat after that 6 months interval by sub-cutaneous route.</li> <li>• Pregnant animals above 7 months of pregnancy should be avoided.</li> </ul>
<p><b>Contact Scientists (ICAR) or State Agril Staff or KVK staff for measures against adverse conditions or call at 03795-226237/226247</b></p>			

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**Agrometeorological Field Unit  
ICAR, BASAR**

# कृषि मौसम सलाहकार सेवा पत्रिका

## Agro-met Advisory Bulletin

(Period: 17<sup>th</sup> to 19<sup>th</sup> January 2018)

ग्रामीण कृषि मौसम सेवा



**GRAMIN KRISHI MAUSAM SEWA**  
(Integrated Agro-Meteorological Advisory Services)



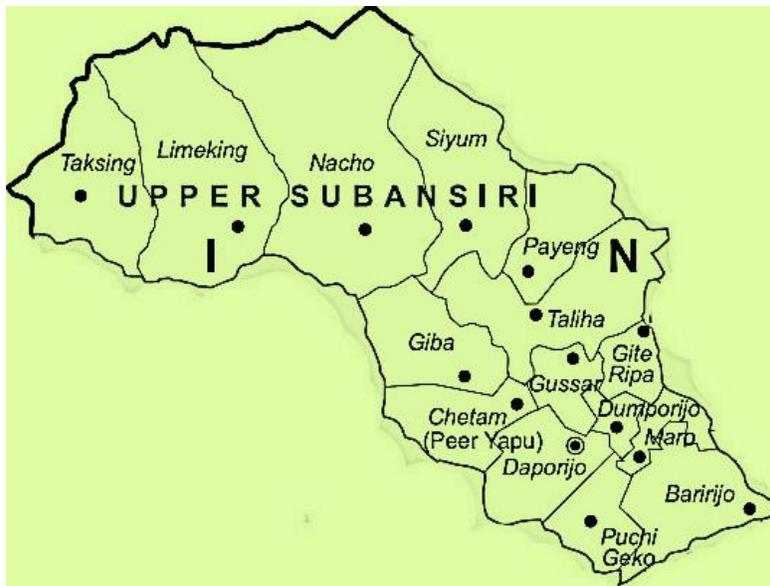
भा क अरु - पू प सं  
ICAR - RCNEH

AMFU, ICAR Research Complex for NEH Region  
Arunachal Pradesh Centre, Basar-791101

**District: Upper Subansiri**

No: AMFU-Basar/2018/05

Dated: Tue, 16<sup>th</sup> January 2018



Weather summary of the previous week	Weather forecast valid up to 21 <sup>st</sup> Jan'2018
Daporijo: 0.0 mm	<b>Generally clear/dry weather forecasted.</b> Daily maximum and minimum temperature for the following period is predicted to be 23-24°C and 11-12°C respectively. Expected morning and evening relative humidity will be 78-87% and 29-33% respectively. Expected wind direction is mainly SSW with speed range of 4-5 kmph.
<b>Warning</b>	<b>• Moderate to dense fog likely to occur at isolated places</b>

### Weather Based Agro-meteorological Advisories Bulletin

- **Disinfecting the animal/bird sheds with lime powder/ bleaching powder/ 4%NaOH at regular interval is advocated**
- **Avoid spray of insecticides during flowering stage as it may hinder pollination by honey bees and other insects.**
- **Spraying operation should be done only on dry/clear weather**
- **Go for low cost polyhouses for year round cultivation of vegetables**
- **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**
- **ICAR Basar recommend poultry variety VANARAJA for backyard rearing**

Crop	Stage	Pest/Disease	Precautionary Practices to be followed
<b>FIELD CROPS</b>			
Pea	Vegetative	Powdery mildew	<ul style="list-style-type: none"> <li>Need based foliar spray of Dinocap (0.2%) or Carbendazim 50WP (0.1%) or Propiconazole (0.1%).</li> </ul>
<b>Mustard</b>	<b>Vegetative</b>	<b>White rust/ Downey mildew</b>	<ul style="list-style-type: none"> <li><b>Need-based foliar spray of Metalaxyl+Dithane M-45 @ 2.5g/lit at 15 days interval for management of White rust/Downy mildew in mustard</b></li> </ul>
Rice	Harvesting		<ul style="list-style-type: none"> <li>Sun-dry &amp; properly winnow the grains for safe storage.</li> </ul>
<b>VEGETABLES</b>			
Potato	Vegetative	Red Ants/ Late blight/ Alternaria blight	<ul style="list-style-type: none"> <li>Weeding and application of fertilizer as per recommended doses is suggested in potato.</li> <li><b>Spray Indofil m-45 at regular interval of 7 days in potato/tomato against Alternaria blight</b></li> <li>Ridge should be properly made,</li> <li>Red Ants: - Drenching with Chlorpyrifos @ 2 ml per litre of water,</li> <li>Foliar spray of Dithane <a href="#">M-45@2.5g/litre</a> of water for management of potato late blight.</li> </ul>
Cabbage/ Cauliflower/ Knolkhol/ Others	Maturity	Leaf eating caterpillars/ Aphids	<ul style="list-style-type: none"> <li>Light irrigation is essential,</li> <li>In present weather conditions severe attack of leaf eating caterpillars has been reported. Spray Azadirachtin(0.015%) @6ml/litre of water when weather is clear.</li> <li>Spray with neem based pesticides against aphids</li> </ul>
<b>HORTICULTURAL CROPS</b>			
Citrus	Maturity/ harvesting	Bark eating caterpillar, Gummosis	<ul style="list-style-type: none"> <li><b>In case of Bark eating caterpillar, remove the wooden frass present in between the joints of the trunk and inject Dichlorovos (DDVP) 76 EC 0.1 percent @ 5ml in the larval tunnel with the help of disposable syringe and push cotton swab soaked in Dichlorovos solution in the larval tunnel.</b></li> <li>Collect dropped fruits &amp; dispose by putting in airtight bags or bury deep in ground.</li> <li>Harvest the mature fruit with stalk and store in dry places.</li> <li>Dead wood pruning may be done after harvesting of crop followed by spraying of fungicide, Carbendazim @ 1gm/lit of water.</li> <li>Breakdown the soil collected around the tree trunk</li> </ul>
Temperate fruits	After harvesting		<ul style="list-style-type: none"> <li>Training &amp; pruning of the temperate crops (apple/pears/peach) is recommended</li> </ul>
Large Cardamom	Fruiting	Chirkey Disease	<ul style="list-style-type: none"> <li><b>Remove dry/diseased/old tillers &amp; branches &amp; spray Bio NPK @ 2ml/lit water for proper growth.</b></li> </ul>
Banana	Bunching	Cold	<ul style="list-style-type: none"> <li>Cover newly emerged bunches with locally available sack to protect from cold/frost</li> </ul>
Orchards			<ul style="list-style-type: none"> <li>Prepare half moon terraces in fruit crops (orange/banana/apple/peach) grown in steep slopes to prevent nutrient loss during heavy downpour.</li> <li>Follow proper drainage and earthing up practices in low land/plain areas to avoid water stagnation in fruit orchards</li> </ul>
<b>Honey Bees</b>			
Honey bees			<ul style="list-style-type: none"> <li>Provide sugar syrup near the box</li> <li>Add insulation and ventilation systems</li> </ul>
<b>LIVESTOCKS</b>			
Livestock	Stage	Disease	Precautionary Practices to be followed
<b>General</b>			
<ul style="list-style-type: none"> <li><b>Damaged grain (not fungus contaminated) to be diverted for Poultry/livestock feeding</b></li> <li><b>Clean drinking water should be ensured round the clock and water troughs/feeders should be regularly cleaned,</b></li> </ul>			
Fishery			<ul style="list-style-type: none"> <li><b>Keep fish stoking density thin @1200/ha</b></li> </ul>
Pigs	All stages	FMD (high fever and appearance of mucous membrane of the mouth and foot.) Swine Fever	<ul style="list-style-type: none"> <li><b>Avoid dampness and cover weak and sick animals with sack cloth.</b></li> <li>Animals should be given lukewarm feed and water.</li> <li>Right time to deworm with anti helmetic drugs (particularly Tapeworms) viz. Fento Plus @ 1 tablet per 30 kg body weight.</li> <li>Provide proper bedding materials especially to new-born piglets and lukewarm food &amp; water</li> </ul>

Cattle	All stages	FMD	<ul style="list-style-type: none"> <li>• <b>Animals should be given lukewarm feed and water.</b></li> <li>• <b>Right time to deworm with anti helmeitic drugs (particularly Tapeworms) viz. Fento Plus @ 1 tablet per 30 kg body weight.</b></li> <li>• Provide proper bedding materials especially to new-born and lukewarm food &amp; water</li> <li>• Heavy mortality in cloven footed animals has been reported.</li> <li>• Supportive treatment of infected animals under supervision of veterinary department officials,</li> <li>• Avoid mixing of infected and healthy animals,</li> <li>• Keep infected animals separated from the healthy ones,</li> <li>• Vaccinate the healthy animals against FMD (Through State Veterinary Dept.)</li> <li>• Provide feed supplements</li> </ul>
Mithun		FMD	<ul style="list-style-type: none"> <li>• Polyvalent FMD vaccine with serotype O, A and Asia at 6 months of age and repeat after that 6 months interval by sub-cutaneous route.</li> <li>• Pregnant animals above 7 months of pregnancy should be avoided.</li> </ul>

**Contact Scientists (ICAR) or State Agril Staff or KVK staff for measures against adverse conditions or call at 03795-226237/226247**

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Contact: - [IAAS.BASAR@gmail.com](mailto:IAAS.BASAR@gmail.com), Phone Number: - 03795-226247/37, -96 (Fax)

**Agrometeorological Field Unit  
ICAR. BASAR**

# कृषि मौसम सलाहकार सेवा पत्रिका

## Agro-met Advisory Bulletin

(Period: 17<sup>th</sup> to 19<sup>th</sup> January 2018)

ग्रामीण कृषि मौसम सेवा



**GRAMIN KRISHI MAUSAM SEWA**  
(Integrated Agro-Meteorological Advisory Services)



AMFU, ICAR Research Complex for NEH Region  
Arunachal Pradesh Centre, Basar-791101

**District: West Kameng**

**No: AMFU-Basar/2018/05**

**Dated: Tue, 16<sup>th</sup> January 2018**



Weather summary of the previous week	Weather forecast valid up to 21 <sup>st</sup> Jan'2018
Rainfall = Bomdila: 0.0 ; Bhalukpong: 0.0 mm	<b>Generally clear/dry weather forecasted.</b> Daily maximum and minimum temperature for the following period is predicted to be 17-18°C and 06-07°C respectively. Expected morning and evening relative humidity will be 71-83% and 15-22% respectively. Wind direction variable SSE with speed range of 5-7 kmph.
<b>Warning:</b>	<b>• Moderate to dense fog likely to occur at isolated places</b>

### Weather Based Agro-meteorological Advisories Bulletin

#### General Recommendations

- **Disinfecting the animal/bird sheds with lime powder/ bleaching powder/ 4%NaOH at regular interval is advocated**
- **Spraying operation should be done only on dry/clear weather**
- **Go for low cost polyhouses for year round cultivation of vegetables**
- **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**
- **ICAR Basar recommend poultry variety VANARAJA for backyard rearing**

Crop	Stage	Pest/Disease	Precautionary Practices to be followed
<b>FIELD CROPS</b>			
Rice	Harvesting		<ul style="list-style-type: none"> <li>• Sun-dry &amp; properly winnow the grains for safe storage.</li> <li>• In case of rain delay harvesting</li> </ul>
Maize	Harvesting	Rat	<ul style="list-style-type: none"> <li>• Harvest mature cobs and dry properly before storing</li> <li>• Use locally available traps to control rats menace</li> </ul>
Pea	Vegetative		<ul style="list-style-type: none"> <li>• Provide irrigation to plants</li> <li>• Weeding advocated</li> </ul>
<b>VEGETABLES</b>			
Potato	Vegetative	Red Ants/ Late blight/ Alternaria blight	<ul style="list-style-type: none"> <li>• Weeding and application of fertilizer as per recommended doses is suggested in potato.</li> <li>• <b>Spray Indofil m-45 at regular interval of 7 days in potato/tomato against Alternaria blight</b></li> <li>• Ridge should be properly made,</li> <li>• Red Ants: - Drenching with Chlorpyrifos @ 2 ml per litre of water,</li> <li>• Foliar spray of Dithane <a href="#">M-45@2.5g/litre</a> of water for management of potato late blight.</li> </ul>
Cabbage/ Cauliflower/ Knolkhol/ Others	Maturity/ Harvesting	Leaf eating caterpillars/ Aphids	<ul style="list-style-type: none"> <li>• Light irrigation is essential,</li> <li>• In present weather conditions severe attack of leaf eating caterpillars has been reported. Spray Azadirachtin(0.015%) @6ml/litre of water when weather is clear.</li> <li>• Spray with neem based pesticides against aphids</li> </ul>
<b>HORTICULTURAL CROPS</b>			
Temperate fruits	After harvesting		<ul style="list-style-type: none"> <li>• Training &amp; pruning of the temperate crops (apple/pears/peach) is recommended</li> </ul>
Banana	Bunching	Cold	<ul style="list-style-type: none"> <li>• Cover newly emerged bunches with locally available sack to protect from cold/frost</li> <li>• <b>Mulching with straw/crop residue at root zone to avoid frost injury in banana.</b></li> </ul>
Citrus	Maturity/ harvesting	Fruit Drop Fruit Fly Gummosis	<ul style="list-style-type: none"> <li>• Harvest the mature fruit with stalk and store in dry places.</li> <li>• <b>Collect &amp; dispose rotten fallen fruits/ install fruit-fly traps</b></li> <li>• <b>Dead wood pruning may be done after harvesting of crop followed by spraying of fungicide, Carbendazim @ 1gm/lit of water.</b></li> <li>• <b>Breakdown the soil collected around the tree trunk</b></li> </ul>
Pineapple	Sowing		<ul style="list-style-type: none"> <li>• Clean the vicinity of plants by weeding and loosen up the soil.</li> <li>• Remove sly and use it as a new planting material.</li> <li>• Sucker dipping treatment with Bavistin @ 3g + Chlorpyrifos 20EC@ 2ml/lit of water to protect against soil borne disease and insect.</li> </ul>
Orchards			<ul style="list-style-type: none"> <li>• Prepare half moon terraces in fruit crops (orange/banana/apple/peach) grown in steep slopes to prevent nutrient loss during heavy downpour.</li> <li>• Follow proper drainage and earthing up practices in low land/plain areas to avoid water stagnation in fruit orchards</li> </ul>
<b>Honey Bees</b>			
Honey bees			<ul style="list-style-type: none"> <li>• Provide sugar syrup near the box</li> <li>• Add insulation and ventilation systems</li> </ul>
<b>LIVESTOCKS</b>			
<b>Livestock</b>	<b>Stage</b>	<b>Disease</b>	<b>Precautionary Practices to be followed</b>
<b>General</b>			
<ul style="list-style-type: none"> <li>• Damaged grain (not fungus contaminated) to be diverted for Poultry/livestock feeding</li> <li>• Clean drinking water should be ensured round the clock and water troughs/feeders should be regularly cleaned,</li> </ul>			
Fishery			<ul style="list-style-type: none"> <li>• <b>Keep fish stoking density thin @1200/ha</b></li> </ul>
Pigs	All stages	FMD (high fever and appearance of mucous membrane of the mouth and foot.) Swine Fever	<ul style="list-style-type: none"> <li>• <b>Avoid dampness and cover weak and sick animals with sack cloth.</b></li> <li>• Animals should be given lukewarm feed and water.</li> <li>• Right time to deworm with anti helmetic drugs (particularly Tapeworms) viz. Fento Plus @ 1 tablet per 30 kg body weight.</li> <li>• Provide proper bedding materials especially to new-born piglets and lukewarm food &amp; water</li> </ul>

Cattle	All stages	FMD	<ul style="list-style-type: none"> <li>• <b>Animals should be given lukewarm feed and water.</b></li> <li>• <b>Right time to deworm with anti helmeitic drugs (particularly Tapeworms) viz. Fento Plus @ 1 tablet per 30 kg body weight.</b></li> <li>• Provide proper bedding materials especially to new-born and lukewarm food &amp; water</li> <li>• Heavy mortality in cloven footed animals has been reported.</li> <li>• Supportive treatment of infected animals under supervision of veterinary department officials,</li> <li>• Avoid mixing of infected and healthy animals,</li> <li>• Keep infected animals separated from the healthy ones,</li> <li>• Vaccinate the healthy animals against FMD (Through State Veterinary Dept.)</li> <li>• Provide feed supplements</li> </ul>
Poultry	All stages		<ul style="list-style-type: none"> <li>• Day old chick-Maintain warmth by lighting,</li> <li>• In present weather conditions protect the birds from cold by using gunny bags/plastic sheets around the poultryshed during night,</li> <li>• Provide heat by lighting 100W bulb @ 1 bulb per 20 newly born chicks.</li> </ul>
Mithun		FMD	<ul style="list-style-type: none"> <li>• Polyvalent FMD vaccine with serotype O, A and Asia at 6 months of age and repeat after that 6 months interval by sub-cutaneous route.</li> <li>• Pregnant animals above 7 months of pregnancy should be avoided.</li> </ul>
<b>Contact Scientists (ICAR) or State Agril Staff or KVK staff for measures against adverse conditions or call at 03795-226237/226247</b>			

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**Agrometeorological Field Unit  
ICAR, BASAR**

# कृषि मौसम सलाहकार सेवा पत्रिका Agro-met Advisory Bulletin

( Period: 17<sup>th</sup> to 19<sup>th</sup> January 2018)

ग्रामीण कृषि मौसम सेवा



**GRAMIN KRISHI MAUSAM SEWA**  
(Integrated Agro-Meteorological Advisory Services)

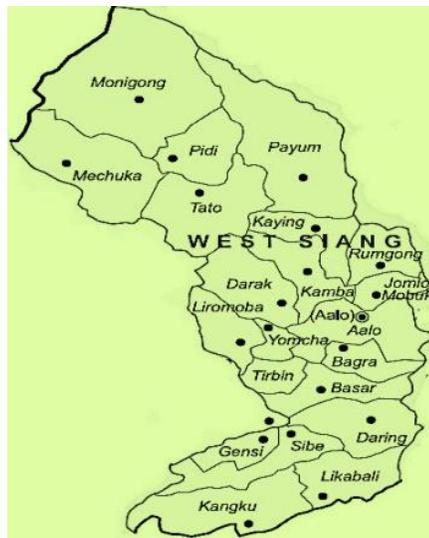


AMFU, ICAR Research Complex for NEH Region  
Arunachal Pradesh Centre, Basar-791101

**District: West Siang**

**No: AMFU-Basar/2018/05**

**Dated: Tue, 16<sup>th</sup> January 2018**



Basar: Latitude: 27°59.53/Longitude: 94.41.269/Altitude: 616 amsl

Weather summary of the previous week	Weather forecast valid up to 17 <sup>th</sup> Jan'2018
<b>Basar:</b> Rainfall = 0.0 mm. T. Max: 20.2°C, T. Min: 8.4°C, RH: 58-96%, Wind Speed: 4-5 kmph, Wind Direction: ENE	<b>Generally clear/dry weather forecasted.</b> Daily maximum and minimum temperature for the following period is predicted to be 24-26°C and 11-12°C respectively. Expected morning and evening relative humidity will be 81-86% and 19-29% respectively. Wind direction is mainly ESE with speed range of 5-6 kmph.
<b>Warning:</b>	<b>Moderate to dense fog likely to occur at isolated places</b>

## Weather Based Agro-meteorological Advisories Bulletin

### General Recommendations

- Disinfecting the animal/bird sheds with lime powder/ bleaching powder/ 4%NaOH at regular interval is advocated
- Go for low cost polyhouses for year round cultivation of vegetables
- 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
- ICAR Basar recommend poultry variety VANARAJA for backyard rearing

Crop	Stage	Pest/Disease	Precautionary Practices to be followed
<b>FIELD CROPS</b>			
Pea	Vegetative	Powdery mildew	<ul style="list-style-type: none"> <li>Need based foliar spray of Dinocap (0.2%) or Carbendazim 50WP (0.1%) or Propiconazole (0.1%).</li> </ul>
<b>Mustard</b>	<b>Vegetative</b>	<b>Aphid</b>	<ul style="list-style-type: none"> <li><b>When population level is high spraying of Dimethoate @ 4 ml per litre of water is advised</b></li> </ul>
<b>VEGETABLES</b>			
Ginger/ Turmeric	Maturity		<ul style="list-style-type: none"> <li>Harvest the mature crop,</li> <li>Cure should be taken while harvest so that the rhizome is not damaged,</li> </ul>
Potato	Vegetative	Red Ants/ Late blight/ Alternaria blight	<ul style="list-style-type: none"> <li>Weeding and application of fertilizer as per recommended doses is suggested in potato.</li> <li><b>Spray Indofil m-45 at regular interval of 7 days in potato/tomato against Alternaria blight</b></li> <li>Ridge should be properly made,</li> <li>Red Ants: - Drenching with Chlorpyrifos @ 2 ml per litre of water,</li> <li>Foliar spray of Dithane <a href="#">M-45@2.5g/litre</a> of water for management of potato late blight.</li> </ul>
Cabbage/ Cauliflower/ Knolkhol/ Others	Maturity	Leaf eating caterpillars/ Aphids	<ul style="list-style-type: none"> <li>Light irrigation is essential,</li> <li>In present weather conditions severe attack of leaf eating caterpillars has been reported. Spray Azadirachtin(0.015%) @6ml/litre of water when weather is clear.</li> <li>Spray with neem based pesticides against aphids</li> </ul>
<b>HORTICULTURAL CROPS</b>			
Pineapple	Harvesting		<ul style="list-style-type: none"> <li><b>After winter harvest, collection/Selection of suckers &amp; slip to be done for next season planting</b></li> </ul>
Citrus	Maturity/ harvesting	Bark eating caterpillar, Gummosis	<ul style="list-style-type: none"> <li><b>In case of Bark eating caterpillar, remove the wooden frass present in between the joints of the trunk and inject Dichlorovos (DDVP) 76 EC 0.1 percent @ 5ml in the larval tunnel with the help of disposable syringe and push cotton swab soaked in Dichlorovos solution in the larval tunnel.</b></li> <li>Collect dropped fruits &amp; dispose by putting in airtight bags or bury deep in ground.</li> <li>Harvest the mature fruit with stalk and store in dry places.</li> <li>Dead wood pruning may be done after harvesting of crop followed by spraying of fungicide, Carbendazim @ 1gm/lit of water.</li> <li>Breakdown the soil collected around the tree trunk</li> </ul>
Banana	Bunching	Cold	<ul style="list-style-type: none"> <li>Cover newly emerged bunches with locally available sack to protect from cold/frost</li> <li><b>Mulching with straw/crop residue at root zone to avoid frost injury in banana.</b></li> </ul>
Temperate fruits	After harvesting		<ul style="list-style-type: none"> <li>Training &amp; pruning of the temperate crops (apple/pears/peach) is recommended</li> </ul>
Large Cardamom	Fruiting	Chirkey Disease	<ul style="list-style-type: none"> <li><b>Remove dry/diseased/old tillers &amp; branches &amp; spray Bio NPK @ 2ml/lit water for proper growth.</b></li> </ul>
<b>Honey Bees</b>			
Honey bees			<ul style="list-style-type: none"> <li>Cover the boxes with locally available dry grass or straw to provide warmth</li> </ul>
<b>LIVESTOCKS</b>			
Livestock	Stage	Disease	Precautionary Practices to be followed
<b>General</b>			
<ul style="list-style-type: none"> <li><b>Damaged grain (not fungus contaminated) to be diverted for Poultry/livestock feeding</b></li> <li><b>Clean drinking water should be ensured round the clock and water troughs/feeders should be regularly cleaned,</b></li> </ul>			
Poultry	All stages		<ul style="list-style-type: none"> <li>Day old chick-Maintain warmth by lighting,</li> <li>In present weather conditions protect the birds from cold by using gunny bags/plastic sheets around the poultry shed during night,</li> <li>Provide heat by lighting 100W bulb @ 1 bulb per 20 newly born chicks.</li> </ul>
Pigs	All stages	FMD (high fever and appearance of mucous)	<ul style="list-style-type: none"> <li><b>Avoid dampness and cover weak and sick animals with sack cloth.</b></li> <li>Animals should be given lukewarm feed and water.</li> </ul>

		membrane of the mouth and foot.) Swine Fever	<ul style="list-style-type: none"> <li>• Right time to deworm with anti helmetic drugs (particularly Tapeworms) viz. Fento Plus @ 1 tablet per 30 kg body weight.</li> <li>• Provide proper bedding materials especially to new-born piglets and lukewarm food &amp; water</li> </ul>
Cattle	All stages	FMD	<ul style="list-style-type: none"> <li>• <b>Animals should be given lukewarm feed and water.</b></li> <li>• <b>Right time to deworm with anti helmetic drugs (particularly Tapeworms) viz. Fento Plus @ 1 tablet per 30 kg body weight.</b></li> <li>• Provide proper bedding materials especially to new-born and lukewarm food &amp; water</li> <li>• Heavy mortality in cloven footed animals has been reported.</li> <li>• Supportive treatment of infected animals under supervision of veterinary department officials,</li> <li>• Avoid mixing of infected and healthy animals,</li> <li>• Keep infected animals separated from the healthy ones,</li> <li>• Vaccinate the healthy animals against FMD (Through State Veterinary Dept.)</li> <li>• Provide feed supplements</li> </ul>
Mithun		FMD	<ul style="list-style-type: none"> <li>• Polyvalent FMD vaccine with serotype O, A and Asia at 6 months of age and repeat after that 6 months interval by sub-cutaneous route.</li> <li>• Pregnant animals above 7 months of pregnancy should be avoided.</li> </ul>

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