

# कृषि मौसम सलाहकार सेवा पत्रिका

## Agro-met Advisory Bulletin

(Period: 27<sup>th</sup> to 30<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/o8**

**Dated: Fri, 26<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 31 <sup>st</sup> Jan'2018
No weather summary available	<b>Mostly sunny with possibility of light rainfall.</b> Daily maximum and minimum temperature for the following period is predicted to be 21-23°C and 06-07°C respectively. Expected morning and evening relative humidity will be 46-94% and 22-47% respectively. Wind direction is mainly SE and SSE with average wind speed range of 3-6 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

- **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>			
Pea	Vegetative	Powdery mildew/ leaf eating insects	<ul style="list-style-type: none"> <li>On clear/dry day, need based foliar spray of Dinocap (0.2%) or Carbendazim 50WP (0.1%) or Propiconazole (0.1%).</li> <li><b>On clear weather, spray of Azadirachtin 0.15% EC @ 6ml/lit against leaf eating insects</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>Suspend all spray operation.</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, Trunk borer, Blue & Green mould	<ul style="list-style-type: none"> <li><b>Orange (only if harvesting is over): Go for drenching with Dichlorovos 76 EC@0.05% against trunk-borer.</b></li> <li><b>On clear weather or using sticker, against Blue &amp; Green mould, spray Imazalil 34 WP @ 1g/lit. Prune away the diseased portion of the plant.</b></li> <li>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.</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> <li><b>In case of flowering, stop spraying insecticides/pesticides</b></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 helminthic 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 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>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>
<b>Contact Scientists (ICAR) or State Agril Staff or KVK staff for measures against adverse conditions or call at 03795-226237/226247</b>			

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: 27<sup>th</sup> to 30<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/2018/08**

**Dated: Fri, 26<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 31 <sup>st</sup> Jan'2018
Rainfall = Changlang: 0.0 mm Miao: 0.0 mm (up to 23 <sup>rd</sup> Jan)	<b>Generally clear/dry weather forecasted.</b> Daily maximum and minimum temperature for the following period is predicted to be 26-27°C and 13-14°C respectively. Expected morning and evening relative humidity will be 48-70% and 16-27% respectively. Wind direction is mainly ESE with speed range of 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

- 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/ leaf eating insects	<ul style="list-style-type: none"> <li>Need based foliar spray of Dinocap (0.2%) or Carbendazim 50WP (0.1%) or Propiconazole (0.1%) using sticker in case of rainfall.</li> <li><b>On clear weather, spray of Azadirachtin 0.15% EC @ 6ml/lit against leaf eating insects</b></li> </ul>
<b>VEGETABLES</b>			
Potato	Vegetative	Red Ants/ Late blight/ Alternaria blight	<ul style="list-style-type: none"> <li><b>Spray Indofil m-45 at regular interval of 7 days in potato/tomato against Alternaria blight using sticker if rains.</b></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 on clear/dry day or using proper sticker.</li> </ul>
Cabbage/ Cauliflower/ Knolkhol/ Others	Maturity/ Harvesting	Leaf eating caterpillars/ Aphids	<ul style="list-style-type: none"> <li>Spray neem-based insecticides against leaf-eating caterpillars.</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, Trunk borer, Blue & Green mould	<ul style="list-style-type: none"> <li><b>Orange (only if harvesting is over): Go for drenching with Dichlorovos 76 <a href="#">EC@0.05%</a> against trunk-borer.</b></li> <li><b>Against Blue &amp; Green mould, spray Imazalil 34 WP @ 1g/lit. Prune away the diseased portion of the plant using sticker in case of rainfall.</b></li> <li>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.</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>
<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>
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>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><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>
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</li> </ul>

			by using gunny bags/plastic sheets around the poultryshed during night, <ul style="list-style-type: none"><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>			

Issued jointly by ICAR-RC for NEH Region, Arunachal Pradesh Centre, Basar and India Meteorological Department  
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**Agrometeorological Field Unit  
ICAR, BASAR**

# कृषि मौसम सलाहकार सेवा पत्रिका

## Agro-met Advisory Bulletin

(Period: 27<sup>th</sup> to 30<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: Dibang Valley**

**No: AMFU-Basar/2018/08**

**Dated: Fri, 26<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 31 <sup>st</sup> Jan'2018
Rainfall = 1.0 mm (Anini) (up to 23 <sup>rd</sup> Jan)	<b>Partly/moderately cloudy with possibility of light/moderate rainfall.</b> Daily maximum and minimum temperature for the following period is predicted to be 21-23°C and 06-07°C respectively. Expected morning and evening relative humidity will be 70-88% and 43-66% respectively. Wind direction is mainly SSE & S with speed range of 5-9 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

- 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>			
Pea	Vegetative	Powdery mildew/ leaf eating insects	<ul style="list-style-type: none"> <li>Need based foliar spray of Dinocap (0.2%) or Carbendazim 50WP (0.1%) or Propiconazole (0.1%) using sticker in case of rainfall.</li> <li><b>On clear weather, spray of Azadirachtin 0.15% EC @ 6ml/lit against leaf eating insects</b></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><b>Spray Indofil m-45 at regular interval of 7 days in potato/tomato against Alternaria blight using sticker in case of rainfall.</b></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>Suspend all spraying operations.</li> </ul>
<b>HORTICULTURAL CROPS</b>			
Citrus	Maturity/ harvesting	Bark eating caterpillar, Trunk borer, Blue & Green mould	<ul style="list-style-type: none"> <li><b>Orange (only if harvesting is over): Go for drenching with Dichlorovos 76 <a href="#">EC@0.05%</a> against trunk-borer.</b></li> <li><b>Against Blue &amp; Green mould, spray Imazalil 34 WP @ 1g/lit. Prune away the diseased portion of the plant on clear/dry day or using stickers.</b></li> <li>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.</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>
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>
<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 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> </ul>



			<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: 24<sup>th</sup> to 26<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 Kameng

**No: AMFU-Basar/2018/08**

**Dated: Fri, 26<sup>th</sup> January 2018**



Weather summary of the previous week	Weather forecast valid up to 31 <sup>st</sup> Jan'2018
Rainfall = 0.0 mm (up to 23 <sup>rd</sup> Jan)	Generally sunny/dry weather forecasted with possibility of very light rainfall in few places. Daily maximum and minimum temperature for the following period is predicted to be 18-20°C and 6°C respectively. Expected morning and evening relative humidity will be 63-88% and 37-44% respectively. Expected wind direction is mainly SE with speed range of 5-6 kmph.
<b>Warning:</b>	<ul style="list-style-type: none"> <li><b>Rain in few 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/ leaf eating insects	<ul style="list-style-type: none"> <li>Need based foliar spray of Dinocap (0.2%) or Carbendazim 50WP (0.1%) or Propiconazole (0.1%) using sticker.</li> <li><b>On clear weather, spray of Azadirachtin 0.15% EC @ 6ml/lit against leaf eating insects</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><b>Spray Indofil m-45 at regular interval of 7 days in potato/tomato against Alternaria blight on clear/dry day or using stickers.</b></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	Leaf eating caterpillars/ Aphids	<ul style="list-style-type: none"> <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 on clear/dry day or using stickers</li> </ul>
<b>HORTICULTURAL CROPS</b>			
Citrus	Maturity/ harvesting	Bark eating caterpillar, Trunk borer, Blue & Green mould	<ul style="list-style-type: none"> <li><b>Orange (only if harvesting is over): Go for drenching with Dichlorovos 76 <a href="#">EC@0.05%</a> against trunk-borer.</b></li> <li><b>Against Blue &amp; Green mould, spray Imazalil 34 WP @ 1g/lit on clear/dry day. Prune away the diseased portion of the plant.</b></li> <li>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.</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>
Pineapple	Active vegetative		<ul style="list-style-type: none"> <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>			
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</li> </ul>

			<div>lukewarm food &amp; water</div> <div><div></div>Provide feed supplements</div>
Poultry	All stages		<div><div><div></div>Day old chick-Maintain warmth by lighting,</div><div></div>In present weather conditions protect the birds from cold by using gunny bags/plastic sheets around the poultryshed during night,</div> <div></div> Provide heat by lighting 100W bulb @ 1 bulb per 20 newly born chicks.

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Agrometeorological Field Unit

ICAR, BASAR

# कृषि मौसम सलाहकार सेवा पत्रिका

## Agro-met Advisory Bulletin

(Period: 27<sup>th</sup> to 30<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/2018/08**

**Dated: Fri, 26<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 31 <sup>st</sup> Jan'2018
Rainfall: 0.0 mm; T. Max: 26.0°C; T. Min: 15.0°C ; RH: 64-74% (up to 23 <sup>rd</sup> Jan)	<b>Mostly sunny weather forecasted.</b> Daily maximum and minimum temperature for the following period is predicted to be 25-26°C and 14-15°C respectively. Expected morning and evening relative humidity will be 56-91% and 26-43% respectively. Expected wind direction is mainly NNW & S with speed range of 5-6 kmph.
<b>Warning:</b>	<ul style="list-style-type: none"><li><b>Rain in few 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/ leaf eating insects	<ul style="list-style-type: none"> <li>Need based foliar spray of Dinocap (0.2%) or Carbendazim 50WP (0.1%) or Propiconazole (0.1%) using proper sticker.</li> <li><b>On clear weather, spray of Azadirachtin 0.15% EC @ 6ml/lit against leaf eating insects using sticker in case of rainfall</b></li> </ul>
Mustard	Vegetative	Aphid	<ul style="list-style-type: none"> <li><b>When population level is high spraying of Dimethoate @ 4 ml per litre of water is advised using sticker in case of rainfall</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><b>Spray Indofil m-45 at regular interval of 7 days in potato/tomato against Alternaria blight on clear/dry days</b></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>Spray neem-based insecticides against leaf-eating caterpillars</li> </ul>
<b>HORTICULTURAL CROPS</b>			
Citrus	Maturity/ harvesting	Bark eating caterpillar, Trunk borer, Blue & Green mould	<ul style="list-style-type: none"> <li><b>Orange (only if harvesting is over): Go for drenching with Dichlorovos 76 <a href="#">EC@0.05%</a> against trunk-borer.</b></li> <li><b>Against Blue &amp; Green mould, spray Imazalil 34 WP @ 1g/lit on clear/dry days. Prune away the diseased portion of the plant.</b></li> <li>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.</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 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> </ul>

			<ul style="list-style-type: none"><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>			

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: 27<sup>th</sup> to 30<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: Kurung Kumey**

**No: AMFU-Basar/2018/08**

**Dated: Fri, 26<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 31 <sup>st</sup> Jan'2018
Past weather summary not available	<b>Partly/moderately cloudy with possibility of light/moderate rainfall.</b> Daily maximum and minimum temperature for the following period is predicted to be 20-22°C and 06-10°C respectively. Expected morning and evening relative humidity will be 83-87% and 36-80% respectively. Wind direction is mainly variable with wind speed range of 5-8 kmph.
Warning	<b>• Rain in few 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/ leaf eating insects	<ul style="list-style-type: none"> <li>Need based foliar spray of Dinocap (0.2%) or Carbendazim 50WP (0.1%) or Propiconazole (0.1%) using sticker in case of rainfall.</li> <li><b>On clear weather, spray of Azadirachtin 0.15% EC @ 6ml/lit against leaf eating insects</b></li> </ul>
<b>VEGETABLES</b>			
Potato	Vegetative	Red Ants/ Late blight/ Alternaria blight	<ul style="list-style-type: none"> <li><b>Spray Indofil m-45 at regular interval of 7 days in potato/tomato against Alternaria blight on clear/dry day or using sticker in case of rainfall</b></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>Spray neem-based insecticides against leaf-eating caterpillars.</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> <li><b>In case of flowering, stop spraying insecticides/pesticides</b></li> </ul>
Citrus	Maturity/ harvesting	Bark eating caterpillar, Trunk borer, Blue & Green mould	<ul style="list-style-type: none"> <li><b>Orange (only if harvesting is over): Go for drenching with Dichlorovos 76 <a href="#">EC@0.05%</a> against trunk-borer.</b></li> <li><b>Against Blue &amp; Green mould, spray Imazalil 34 WP @ 1g/lit using sticker in case of rainfall. Prune away the diseased portion of the plant.</b></li> <li>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.</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>
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>
<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><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>			
Livestock	Stage	Disease	Precautionary Practices to be followed
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>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><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>
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</li> </ul>

			by using gunny bags/plastic sheets around the poultryshed during night, <ul style="list-style-type: none"><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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ICAR, BASAR

# कृषि मौसम सलाहकार सेवा पत्रिका

## Agro-met Advisory Bulletin

(Period: 27<sup>th</sup> to 30<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/2018/08**

**Dated: Fri, 26<sup>th</sup> January 2018**



Weather summary of the previous week	Weather forecast valid up to 31 <sup>st</sup> Jan'2018
Rainfall = 0.0 mm (up to 23 <sup>rd</sup> Jan)	<b>Mostly sunny weather forecasted.</b> Daily maximum and minimum temperature for the following period is predicted to be 24-24°C and 13-14°C respectively. Expected morning and evening relative humidity will be 45-77% and 16-36% respectively. Wind direction is mainly ENE 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

- **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/ leaf eating insects	<ul style="list-style-type: none"> <li>Need based foliar spray of Dinocap (0.2%) or Carbendazim 50WP (0.1%) or Propiconazole (0.1%) using stickers in case of rainfall.</li> <li><b>On clear weather, spray of Azadirachtin 0.15% EC @ 6ml/lit against leaf eating insects</b></li> </ul>
Mustard	Vegetative	Aphid	<ul style="list-style-type: none"> <li><b>When population level is high spraying of Dimethoate @ 4 ml per litre of water is advised using sticker in case of rainfall</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><b>Spray Indofil m-45 at regular interval of 7 days in potato/tomato against Alternaria blight using sticker</b></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	Leaf eating caterpillars/ Aphids	<ul style="list-style-type: none"> <li>Suspend all spray and fertilizer applications</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 on clear/dry days.</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 wate using stickers</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 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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ICAR, BASAR**



# कृषि मौसम सलाहकार सेवा पत्रिका

## Agro-met Advisory Bulletin

(Period: 27<sup>th</sup> to 30<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/2018/08

Dated: Fri, 26<sup>th</sup> January 2018



Weather summary of the previous week	Weather forecast valid up to 31 <sup>st</sup> Jan'2018
Rainfall = 0.0 mm (Roing) (up to 23 <sup>rd</sup> Jan)	<b>Mostly sunny weather forecasted.</b> Daily maximum and minimum temperature for the following period is predicted to be 22-24°C and 11-12°C respectively. Expected morning and evening relative humidity will be 64-88% and 21-44% respectively. Wind direction is mainly ESE & SSE with speed range of 5-6 kmph.
<b>Warning:</b>	<ul style="list-style-type: none"><li>• Rain in few isolated places</li></ul>

### 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/ leaf eating insects	<ul style="list-style-type: none"> <li>Need based foliar spray of Dinocap (0.2%) or Carbendazim 50WP (0.1%) or Propiconazole (0.1%) using sticker.</li> <li><b>On clear weather, spray of Azadirachtin 0.15% EC @ 6ml/lit against leaf eating insects</b></li> </ul>
Mustard	Vegetative	Aphid	<ul style="list-style-type: none"> <li><b>When population level is high spraying of Dimethoate @ 4 ml per litre of water is advised using sticker in case of rainfall</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><b>Spray Indofil m-45 at regular interval of 7 days in potato/tomato against Alternaria blight</b></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>Suspend all spray operations and fertilization</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 on clear/dry days.</b></li> </ul>
Citrus	Maturity/ harvesting	Bark eating caterpillar, Trunk borer, Blue & Green mould	<ul style="list-style-type: none"> <li><b>Orange (only if harvesting is over): Go for drenching with Dichlorovos 76 <a href="#">EC@0.05%</a> against trunk-borer.</b></li> <li><b>Against Blue &amp; Green mould, spray Imazalil 34 WP @ 1g/lit using stickers. Prune away the diseased portion of the plant.</b></li> <li>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.</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 wate using stickers in case of rainfall.</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> <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>
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>
<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: 27<sup>th</sup> to 30<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 Subansiri**

**No: AMFU-Basar/2018/08**

**Dated: Fri, 26<sup>th</sup> January 2018**



Weather summery of the previous week	Weather forecast valid up to 31 <sup>st</sup> Jan'2018
Rainfall = NA	Mostly sunny with possibility of very light rainfall. Daily maximum and minimum temperature for the following period is predicted to be 22-24°C and 11-12°C respectively. Expected morning and evening relative humidity will be 79-89% and 40-55% respectively. Wind direction is mainly SSW with speed range of 5-6 kmph.
Warning:	<ul style="list-style-type: none"><li>Rain in few isolated places</li></ul>

### 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>			
Pea	Vegetative	Powdery mildew/ leaf eating insects	<ul style="list-style-type: none"> <li>Need based foliar spray of Dinocap (0.2%) or Carbendazim 50WP (0.1%) or Propiconazole (0.1%) using sticker in case of rainfall.</li> <li><b>On clear weather, spray of Azadirachtin 0.15% EC @ 6ml/lit against leaf eating insects</b></li> </ul>
<b>VEGETABLES</b>			
Potato	Vegetative	Red Ants/ Late blight/ Alternaria blight	<ul style="list-style-type: none"> <li><b>Spray Indofil m-45 at regular interval of 7 days in potato/tomato against Alternaria blight using sticker in case of rainfall</b></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>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 on clear/dry day</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>
Temperate fruits	After harvesting		<ul style="list-style-type: none"> <li>Training &amp; pruning of the temperate crops (apple/pears/peach) is recommended</li> <li><b>In case of flowering, stop spraying insecticides/pesticides</b></li> </ul>
Citrus	Maturity/ harvesting	Bark eating caterpillar, Trunk borer, Blue & Green mould	<ul style="list-style-type: none"> <li><b>Orange (only if harvesting is over): Go for drenching with Dichlorovos 76 <a href="#">EC@0.05%</a> against trunk-borer.</b></li> <li><b>Against Blue &amp; Green mould, spray Imazalil 34 WP @ 1g/lit using sticker if rains. Prune away the diseased portion of the plant.</b></li> <li>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.</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>
<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>			
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>Provide feed supplements</li> </ul>
Pigs	All stages	FMD (high fever and appearance of mucous membrane of the mouth and foot.)	<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> </ul>

		Swine Fever	<ul style="list-style-type: none"><li>• Provide proper bedding materials especially to new-born piglets and lukewarm food &amp; water</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: 27<sup>th</sup> to 30<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: Papum Pare**

No: AMFU-Basar/2018/08

Dated: Fri, 26<sup>th</sup> January 2018



Weather summary of the previous week	Weather forecast valid up to 31 <sup>st</sup> Jan'2018
Rainfall: 0.0 mm; T. Max: 29.0°C; T. Min: 13.0°C ; RH: 64-77% (up to 23 <sup>rd</sup> Jan)	<b>Partly/mostly cloudy with possibility of light/moderate rainfall.</b> Daily maximum and minimum temperature for the following period is predicted to be 26-27°C and 12-14°C respectively. Expected morning and evening relative humidity will be 77-90% and 34-53% respectively. Expected wind direction mainly SSW & WNW 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

- 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/ leaf eating insects	<ul style="list-style-type: none"> <li>Need based foliar spray of Dinocap (0.2%) or Carbendazim 50WP (0.1%) or Propiconazole (0.1%) using stickers in case of rainfall.</li> <li><b>On clear weather, spray of Azadirachtin 0.15% EC @ 6ml/lit against leaf eating insects</b></li> </ul>
Mustard	Vegetative	Aphid	<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> using stickers in case of rainfall</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><b>Spray Indofil m-45 at regular interval of 7 days in potato/tomato against Alternaria blight</b> using stickers in case of rainfall</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>Suspend all spray operations and fertilizer applications.</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> using stickers in case of rainfall.</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 using stickers in case of rainfall</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</li> </ul>



			piglets and lukewarm food & water
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>• 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: 27<sup>th</sup> to 30<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/o8**

**Dated: Fri, 26<sup>th</sup> January 2018**



Weather summary of the previous week	Weather forecast valid up to 31 <sup>st</sup> Jan'2018
Rainfall = 0.0 mm (up to 23 <sup>rd</sup> Jan)	Generally clear/dry weather forecasted. Daily maximum and minimum temperature for the following period is predicted to be 14-15°C and 2.0-3.0°C respectively. Expected morning and evening relative humidity will be 47-75% and 04-23% respectively. Wind direction is mainly WSW & W with probable speed range of 5-8 kmph.
<b>Warning:</b>	<ul style="list-style-type: none"><li>Rain in few isolated places</li></ul>

### 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>			
Pea	Vegetative	Powdery mildew/ leaf eating insects	<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> <li><b>On clear weather, spray of Azadirachtin 0.15% EC @ 6ml/lit against leaf eating insects</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>			
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	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> <li><b>In case of flowering, stop spraying insecticides/pesticides</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>
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>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>			
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>Provide feed supplements</li> </ul>
Poultry	All stages		<ul style="list-style-type: none"> <li>Day old chick-Maintain warmth by lighting,</li> </ul>

			<ul style="list-style-type: none"><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: 27<sup>th</sup> to 30<sup>th</sup> January 2018)

ग्रामीण कृषि मौसम सेवा

GRAMIN KRISHI MAUSAM SEWA

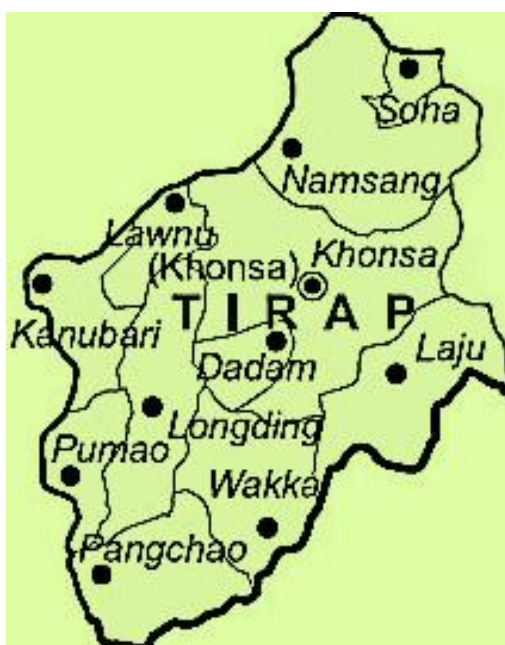
(Integrated Agro-Meteorological Advisory Services)

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

**District: Tirap**

**No: AMFU-Basar/2018/08**

**Dated: Fri, 26<sup>th</sup> January 2018**



Weather summary of the previous week	Weather forecast valid up to 28 <sup>th</sup> Jan'2018
Rainfall = 0.0 mm (up to 23 <sup>rd</sup> Jan)	Generally clear/dry weather forecasted. Daily maximum and minimum temperature for the following period is predicted to be 26-27°C and 12-14°C respectively. Expected morning and evening relative humidity will be 100% and 29-47% respectively. Wind direction is mainly ESE & E with speed range of 0-2 kmph.
<b>Warning:</b>	<ul style="list-style-type: none"><li>• Rain in few isolated places</li></ul>

### 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/ leaf eating insects	<ul style="list-style-type: none"> <li>Need based foliar spray of Dinocap (0.2%) or Carbendazim 50WP (0.1%) or Propiconazole (0.1%) using stickers in case of rainfall.</li> <li><b>On clear weather, spray of Azadirachtin 0.15% EC @ 6ml/lit against leaf eating insects</b> or using stickers in case of rainfall</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> using stickers in case of rainfall</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><b>Spray Indofil m-45 at regular interval of 7 days in potato/tomato against Alternaria blight</b> using stickers in case of rainfall</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 using stickers in case of rainfall.</li> </ul>
Cabbage/ Cauliflower/ Knolkhol/ Others	Maturity/ Harvesting	Leaf eating caterpillars/ Aphids	<ul style="list-style-type: none"> <li>Suspend all spray operations</li> </ul>
<b>HORTICULTURAL CROPS</b>			
Citrus	Maturity/ harvesting	Bark eating caterpillar, Trunk borer, Blue & Green mould	<ul style="list-style-type: none"> <li><b>Orange (only if harvesting is over): Go for drenching with Dichlorovos 76 <a href="#">EC@0.05%</a> against trunk-borer.</b></li> <li><b>Against Blue &amp; Green mould, spray Imazalil 34 WP @ 1g/lit</b> using stickers in case of rainfall. <b>Prune away the diseased portion of the plant.</b></li> <li>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.</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 using stickers in case of rainfall</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</li> </ul>

			lukewarm food & water <ul style="list-style-type: none"><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: 27<sup>th</sup> to 30<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/2018/08**

**Dated: Fri, 26<sup>th</sup> January 2018**



Weather summary of the previous week	Weather forecast valid up to 31 <sup>st</sup> Jan'2018
Rainfall = 0.0 mm (up to 23 <sup>rd</sup> Jan)	<b>Partly cloudy with possibility of light/moderate rainfall.</b> Daily maximum and minimum temperature for the following period is predicted to be 21-23°C and 06-07°C respectively. Expected morning and evening relative humidity will be 62-82% and 37-58% respectively. Wind direction is mainly SSE & S with speed range of 5-7 kmph.
<b>Warning:</b>	<b>• Rain in few 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
FIELD CROPS			
Pea	Vegetative	Powdery mildew/ leaf eating insects	<ul style="list-style-type: none"> <li>Need based foliar spray of Dinocap (0.2%) or Carbendazim 50WP (0.1%) or Propiconazole (0.1%) using stickers in case of rainfall.</li> <li><b>On clear weather, spray of Azadirachtin 0.15% EC @ 6ml/lit against leaf eating insects or using stickers in case of rainfall</b></li> </ul>
VEGETABLES			
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><b>Spray Indofil m-45 at regular interval of 7 days in potato/tomato against Alternaria blight</b> using stickers in case of rainfall</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 using stickers in case of rainfall.</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 using stickers in case of rainfall</li> </ul>
HORTICULTURAL CROPS			
Temperate fruits	After harvesting		<ul style="list-style-type: none"> <li>Training &amp; pruning of the temperate crops (apple/pears/peach) is recommended</li> <li><b>In case of flowering, stop spraying insecticides/pesticides</b></li> </ul>
Citrus	Maturity/ harvesting	Bark eating caterpillar, Trunk borer, Blue & Green mould	<ul style="list-style-type: none"> <li><b>Orange (only if harvesting is over): Go for drenching with Dichlorovos 76 <a href="#">EC@0.05%</a> against trunk-borer.</b></li> <li><b>Against Blue &amp; Green mould, spray Imazalil 34 WP @ 1g/lit using stickers in case of rainfall. Prune away the diseased portion of the plant.</b></li> <li>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.</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>
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>
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>
Honey Bees			
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>
LIVESTOCKS			
Livestock	Stage	Disease	Precautionary Practices to be followed
General			
<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>			
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>• 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>
<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: 27<sup>th</sup> to 30<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: Upper Subansiri**

**No: AMFU-Basar/2018/08**

**Dated: Fri, 26<sup>th</sup> January 2018**



Weather summary of the previous week	Weather forecast valid up to 31 <sup>st</sup> Jan'2018
Daporijo: 0.0 mm (up to 23 <sup>rd</sup> Jan)	<b>Partly cloudy with possibility of light/moderate rainfall.</b> Daily maximum and minimum temperature for the following period is predicted to be 22-24°C and 11-12°C respectively. Expected morning and evening relative humidity will be 72-88% and 43-64% respectively. Expected wind direction is mainly SW with speed range of 3-6 kmph.
<b>Warning</b>	<ul style="list-style-type: none"><li><b>Rain in few isolated places</b></li></ul>

### 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
FIELD CROPS			
Pea	Vegetative	Powdery mildew/ leaf eating insects	<ul style="list-style-type: none"> <li>Need based foliar spray of Dinocap (0.2%) or Carbendazim 50WP (0.1%) or Propiconazole (0.1%) using stickers in case of rainfall.</li> <li><b>On clear weather, spray of Azadirachtin 0.15% EC @ 6ml/lit against leaf eating insects or</b> using stickers in case of rainfall</li> </ul>
VEGETABLES			
Potato	Vegetative	Red Ants/ Late blight/ Alternaria blight	<ul style="list-style-type: none"> <li><b>Spray Indofil m-45 at regular interval of 7 days in potato/tomato against Alternaria blight</b> using stickers in case of rainfall</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	Leaf eating caterpillars/ Aphids	<ul style="list-style-type: none"> <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 using stickers in case of rainfall.</li> <li>Spray with neem based pesticides against aphids using stickers in case of rainfall</li> </ul>
HORTICULTURAL CROPS			
Citrus	Maturity/ harvesting	Bark eating caterpillar, Trunk borer, Blue & Green mould	<ul style="list-style-type: none"> <li><b>Orange (only if harvesting is over): Go for drenching with Dichlorovos 76 <a href="#">EC@0.05%</a> against trunk-borer.</b></li> <li><b>Against Blue &amp; Green mould, spray Imazalil 34 WP @ 1g/lit</b> using stickers in case of rainfall. <b>Prune away the diseased portion of the plant.</b></li> <li>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.</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> using stickers in case of rainfall.</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>
Honey Bees			
Honey bees			<ul style="list-style-type: none"> <li>Provide sugar syrup near the box</li> <li>Add insulation and ventilation systems</li> </ul>
LIVESTOCKS			
Livestock	Stage	Disease	Precautionary Practices to be followed
General			
<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>
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>Provide feed supplements</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> </ul>

		membrane of the mouth and foot.) Swine Fever	<ul style="list-style-type: none"><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>
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: 27<sup>th</sup> to 30<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/2018/08**

**Dated: Fri, 26<sup>th</sup> January 2018**



Weather summary of the previous week	Weather forecast valid up to 31 <sup>st</sup> Jan'2018
Rainfall = Bomdila: 0.0 ; Bhalukpong: 0.0 mm (up to 23 <sup>rd</sup> Jan)	<b>Partly cloudy with possibility of very light rainfall.</b> Daily maximum and minimum temperature for the following period is predicted to be 21-23°C and 06-07°C respectively. Expected morning and evening relative humidity will be 86-91% and 30-42% respectively. Wind direction is mainly NW & NNW 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 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		<ul style="list-style-type: none"> <li>Suspend all spray operations</li> </ul>
<b>VEGETABLES</b>			
Potato	Vegetative	Red Ants/ Late blight/ Alternaria blight	<ul style="list-style-type: none"> <li><b>Spray Indofil m-45 at regular interval of 7 days in potato/tomato against Alternaria blight</b> using stickers in case of rainfall</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 using stickers in case of rainfall.</li> </ul>
Cabbage/ Cauliflower/ Knolkhol/ Others	Maturity/ Harvesting	Leaf eating caterpillars/ Aphids	<ul style="list-style-type: none"> <li>Suspend all spray operations and application of fertilizers</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> <li><b>In case of flowering, stop spraying insecticides/pesticides</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>
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>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 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</li> </ul>

			born chicks.
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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ICAR, BASAR

# कृषि मौसम सलाहकार सेवा पत्रिका Agro-met Advisory Bulletin

(Period: 27<sup>th</sup> to 30<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/2018/08**

**Dated: Fri, 26<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 31 <sup>st</sup> Jan'2018
<b>Basar:</b> Rainfall = 0.0 mm. T. Max: 23.0°C, T. Min: 7.3°C, RH: 52-97%, Wind Speed: 3-5 kmph, Wind Direction: NW & SW	<b>Mostly/partly cloudy with possibility of light/moderate rainfall.</b> Daily maximum and minimum temperature for the following period is predicted to be 25-26°C and 11-12°C respectively. Expected morning and evening relative humidity will be 62-78% and 35-57% respectively. Wind direction is mainly W & WNW with speed range of 3-7 kmph.
<b>Warning:</b>	<ul style="list-style-type: none"><li><b>Rain in few isolated places</b></li></ul>

## 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/ leaf eating insects	<ul style="list-style-type: none"> <li>Need based foliar spray of Dinocap (0.2%) or Carbendazim 50WP (0.1%) or Propiconazole (0.1%) using stickers in case of rainfall.</li> <li><b>On clear weather, spray of Azadirachtin 0.15% EC @ 6ml/lit against leaf eating insects</b> or using stickers in case of rainfall</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> using stickers in case of rainfall</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><b>Spray Indofil m-45 at regular interval of 7 days in potato/tomato against Alternaria blight</b> using stickers in case of rainfall</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 using stickers in case of rainfall.</li> </ul>
Cabbage/ Cauliflower/ Knolkhol/ Others	Maturity	Leaf eating caterpillars/ Aphids	<ul style="list-style-type: none"> <li>Suspend all spray operations and application of fertilizers</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>
Temperate fruits	After harvesting		<ul style="list-style-type: none"> <li>Training &amp; pruning of the temperate crops (apple/pears/peach) is recommended</li> <li><b>In case of flowering, stop spraying insecticides/pesticides</b></li> </ul>
Citrus	Maturity/ harvesting	Bark eating caterpillar, Trunk borer, Blue & Green mould	<ul style="list-style-type: none"> <li><b>Orange (only if harvesting is over): Go for drenching with Dichlorovos 76 <a href="#">EC@0.05%</a> against trunk-borer.</b></li> <li><b>Against Blue &amp; Green mould, spray Imazalil 34 WP @ 1g/lit</b> using stickers in case of rainfall. <b>Prune away the diseased portion of the plant.</b></li> <li>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.</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> using stickers in case of rainfall.</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 poultryshed 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 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>• 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>
<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  
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