

# कृषि मौसम सलाहकार सेवा पत्रिका

## Agro-met Advisory Bulletin

(Period: 31<sup>st</sup> January to 2<sup>nd</sup> February 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/2018/09**

**Dated: Tue, 30<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 4 <sup>th</sup> February 2018
No weather summary available	Mostly sunny with possibility of light/moderate rainfall after 2 <sup>nd</sup> Feb. Daily maximum and minimum temperature for the following period is predicted to be 17-18°C and 05-06°C respectively. Expected morning and evening relative humidity will be 56-87% and 23-61% respectively. Wind direction is mainly SSE with average wind speed range of 4-6 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>On clear weather, spray of Azadirachtin 0.15% EC @ 6ml/lit against leaf eating insects</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 stage/ Harvesting stage	<b>Late blight</b>	<ul style="list-style-type: none"> <li><b>In present weather conditions harvesting of mature crops may be done,</b></li> <li><b>Regularly monitor against the disease symptoms. Prominent symptoms include small, dark, circular to irregular shaped lesion in the leaves</b></li> <li><b>Prophylactic spraying of Mancozeb @ 2 gram per 4 litres of water is advised..</b></li> </ul>
Cabbage/ Cauliflower	Harvesting		<ul style="list-style-type: none"> <li><b>Harvest mature crop.</b></li> <li><b>Constantly monitor against attack of insects pests/mole.</b></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 <a href="#">EC@0.05%</a> 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 poultryshed during night,</li> <li>Provide heat by lighting 100W bulb @ 1 bulb per 20 newly born chicks.</li> </ul>
Fishery			<ul style="list-style-type: none"> <li><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>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</li> </ul>

			sub-cutaneous route. Pregnant animals above 7 months of pregnancy should be avoided from vaccination.
Contact Scientists (ICAR) or State Agril Staff or KVK staff for measures against adverse conditions or call at 03795-226237/226247			

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

# कृषि मौसम सलाहकार सेवा पत्रिका

## Agro-met Advisory Bulletin

(Period: 31<sup>st</sup> January to 2<sup>nd</sup> February 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/2018/09

Dated: Tue, 30<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 4 <sup>th</sup> February 2018
Rainfall = Changlang: 0.0 mm Miao: 8.2 mm (up to 25 <sup>th</sup> Jan)	<b>Generally clear/dry weather forecasted.</b> Daily maximum and minimum temperature for the following period is predicted to be 22-23°C and 09-10°C respectively. Expected morning and evening relative humidity will be 63-81% and 22-30% respectively. Wind direction is mainly ESE with speed range of 4-6 kmph.
<b>Warning</b>	<b>Moderate to dense fog likely to occur at isolated places</b>

### Weather Based Agro-meteorological Advisories Bulletin

#### General Recommendations

- Spraying operation should be done only on dry/clear weather
- Go for low cost polyhouses for year round cultivation of vegetables
- Obtain seeds from reputed/certified/reliable source
- Use fertilizers/pesticides as per recommended doses for the location
- Preference must be given on use of organic manures/bio-fertilizers & bio-pesticides
- ICAR Basar recommend poultry variety VANARAJA for backyard rearing

Crop	Stage	Pest/Disease	Precautionary Practices to be followed
<b>FIELD CROPS</b>			
Pea	Vegetative	Powdery mildew/ 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>
Maize	Vegetative/ Maturity/ Harvesting	Rats	<ul style="list-style-type: none"> <li>Prepare field for sowing of crop,</li> <li>Protect the crop against attack of rats using locally available traps,</li> <li>When rat menace has occurred application of multi dose rodenticide like bromadiolone with proper consultation with experts is advised.</li> </ul>
<b>VEGETABLES</b>			
Potato	Vegetative stage/ Harvesting stage	<b>Late blight</b>	<ul style="list-style-type: none"> <li><b>In present weather conditions harvesting of mature crops may be done,</b></li> <li><b>Regularly monitor against the disease symptoms. Prominent symptoms include small, dark, circular to irregular shaped lesion in the leaves</b></li> <li><b>Prophylactic spraying of Mancozeb @ 2 gram per 4 litres of water is advised..</b></li> </ul>
Cabbage/ Cauliflower	Harvesting		<ul style="list-style-type: none"> <li><b>Harvest mature crop.</b></li> <li><b>Constantly monitor against attack of insects pests/mole.</b></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> </ul>

			<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>
<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: 31<sup>st</sup> January to 2<sup>nd</sup> February 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/2018/09**

**Dated: Tue, 30<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 4 <sup>th</sup> February 2018
Rainfall = 8.0 mm (Anini) (up to 25 <sup>th</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 17-18°C and 05-06°C respectively. Expected morning and evening relative humidity will be 73-91% and 40-68% respectively. Wind direction is mainly SSE & S with speed range of 6-9 kmph.
<b>Warning:</b>	<b>• Moderate to dense fog likely to occur at isolated places</b>

### Weather Based Agro-meteorological Advisories Bulletin

#### General recommendations

- Disinfecting the animal/bird sheds with lime powder/ bleaching powder/ 4%NaOH at regular interval is advocated
- Go for spray operation only on dry/clear weather.
- Go for low cost polyhouses for year round cultivation of vegetables
- Obtain seeds from reputed/certified/reliable source
- Use fertilizers/pesticides as per recommended doses for the location
- Preference must be given on use of organic manures/bio-fertilizers & bio-pesticides
- ICAR Basar recommend poultry variety VANARAJA for backyard rearing



Crop	Stage	Pest/Disease	Precautionary Practices to be followed
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 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>
VEGETABLES			
Potato	Vegetative stage/ Harvesting stage	<b>Late blight</b>	<ul style="list-style-type: none"><li><b>In present weather conditions harvesting of mature crops may be done,</b></li><li><b>Regularly monitor against the disease symptoms. Prominent symptoms include small, dark, circular to irregular shaped lesion in the leaves</b></li><li><b>Prophylactic spraying of Mancozeb @ 2 gram per 4 litres of water is advised..</b></li></ul>
Cabbage/ Cauliflower	Harvesting		<ul style="list-style-type: none"><li><b>Harvest mature crop.</b></li><li><b>Constantly monitor against attack of insects pests/mole.</b></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. 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>
Honey Bees			
Honey bees			<ul style="list-style-type: none"><li>Cover the boxes with locally available dry grass or straw to provide warmth</li></ul>
LIVESTOCKS			
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></ul>



			<ul style="list-style-type: none"><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: 31<sup>st</sup> January to 2<sup>nd</sup> February 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/2018/09**

**Dated: Tue, 30<sup>th</sup> January 2018**



Weather summary of the previous week	Weather forecast valid up to 4 <sup>th</sup> February 2018
Rainfall = 0.0 mm (up to 25 <sup>th</sup> Jan)	<b>Generally sunny/dry weather forecasted.</b> Daily maximum and minimum temperature for the following period is predicted to be 20-21°C and 7-8°C respectively. Expected morning and evening relative humidity will be 83-89% and 36-51% respectively. Expected wind direction is mainly SE & E with speed range of 4-6 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>			
Potato	Vegetative stage/ Harvesting stage	<b>Late blight</b>	<ul style="list-style-type: none"> <li><b>In present weather conditions harvesting of mature crops may be done,</b></li> <li><b>Regularly monitor against the disease symptoms. Prominent symptoms include small, dark, circular to irregular shaped lesion in the leaves</b></li> <li><b>Prophylactic spraying of Mancozeb @ 2 gram per 4 litres of water is advised..</b></li> </ul>
Cabbage/ Cauliflower	Harvesting		<ul style="list-style-type: none"> <li><b>Harvest mature crop.</b></li> <li><b>Constantly monitor against attack of insects pests/mole.</b></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 EC@0.05% 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 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>
Fishery			<ul style="list-style-type: none"><li>• Application of quick lime is highly recommended in order to rectify water pH.</li><li>• Application of fish feed (mustard oil cake) is essential for achieving higher yield</li></ul>
Mithun		FMD	<ul style="list-style-type: none"><li>• Polyvalent FMD vaccine with serotype O, A and Asia at 6 months of age and repeat after that 6 months interval by sub-cutaneous route.</li><li>• Pregnant animals above 7 months of pregnancy should be avoided.</li></ul>
Contact Scientists (ICAR) or State Agril Staff or KVK staff for measures against adverse conditions or call at 03795-226237/226247			

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: 31<sup>st</sup> January to 2<sup>nd</sup> February 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/2018/09**

**Dated: Tue, 30<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 4 <sup>th</sup> February 2018
Rainfall: 7.2 mm; T. Max: 25.0°C; T. Min: 15.0°C ; RH: 63-93% (up to 25 <sup>th</sup> Jan)	<b>Mostly sunny weather forecasted with very light rain on 3<sup>rd</sup> Feb.</b> Daily maximum and minimum temperature for the following period is predicted to be 23-24°C and 12-13°C respectively. Expected morning and evening relative humidity will be 81-91% and 28-39% respectively. Expected wind direction is mainly S with speed range of 4-6 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>			
Maize	Vegetative/ Maturity/ Harvesting	Rats	<ul style="list-style-type: none"> <li>Prepare field for sowing of crop,</li> <li>Protect the crop against attack of rats using locally available traps,</li> <li>When rat menace has occurred application of multi dose rodenticide like bromadiolone with proper consultation with experts is advised.</li> </ul>
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>			
Potato	Vegetative stage/ Harvesting stage	<b>Late blight</b>	<ul style="list-style-type: none"> <li><b>In present weather conditions harvesting of mature crops may be done,</b></li> <li><b>Regularly monitor against the disease symptoms. Prominent symptoms include small, dark, circular to irregular shaped lesion in the leaves</b></li> <li><b>Prophylactic spraying of Mancozeb @ 2 gram per 4 litres of water is advised..</b></li> </ul>
Cabbage/ Cauliflower	Harvesting		<ul style="list-style-type: none"> <li><b>Harvest mature crop.</b></li> <li><b>Constantly monitor against attack of insects pests/mole.</b></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 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> </ul>



			<ul style="list-style-type: none"><li>• Provide proper bedding materials especially to new-born and lukewarm food &amp; water</li><li>• Heavy mortality in cloven footed animals has been reported.</li><li>• Supportive treatment of infected animals under supervision of veterinary department officials,</li><li>• Avoid mixing of infected and healthy animals,</li><li>• Keep infected animals separated from the healthy ones,</li><li>• Vaccinate the healthy animals against FMD (Through State Veterinary Dept.)</li><li>• Provide feed supplements</li></ul>
Poultry	All stages		<ul style="list-style-type: none"><li>• Day old chick-Maintain warmth by lighting,</li><li>• In present weather conditions protect the birds from cold by using gunny bags/plastic sheets around the 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: 31<sup>st</sup> January to 2<sup>nd</sup> February 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/2018/09**

**Dated: Tue, 30<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 4 <sup>th</sup> February 2018
Past weather summary not available	<b>Mostly sunny with possibility of very light rainfall on 3<sup>rd</sup> Feb.</b> Daily maximum and minimum temperature for the following period is predicted to be 16-17°C and 04-05°C respectively. Expected morning and evening relative humidity will be 65-87% and 34-54% respectively. Wind direction is mainly SW & S with wind speed range of 7-10 kmph.
Warning	<ul style="list-style-type: none"><li><b>Rain in few isolated places</b></li></ul>

### 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 stage/ Harvesting stage	<b>Late blight</b>	<ul style="list-style-type: none"> <li><b>In present weather conditions harvesting of mature crops may be done,</b></li> <li><b>Regularly monitor against the disease symptoms. Prominent symptoms include small, dark, circular to irregular shaped lesion in the leaves</b></li> <li><b>Prophylactic spraying of Mancozeb @ 2 gram per 4 litres of water is advised..</b></li> </ul>
Cabbage/ Cauliflower	Harvesting		<ul style="list-style-type: none"> <li><b>Harvest mature crop.</b></li> <li><b>Constantly monitor against attack of insects pests/mole.</b></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 EC@0.05% 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 by using gunny bags/plastic sheets around the poultryshed during night,</li> </ul>

			<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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Agrometeorological Field Unit  
ICAR, BASAR

# कृषि मौसम सलाहकार सेवा पत्रिका

## Agro-met Advisory Bulletin

(Period: 31<sup>st</sup> January to 2<sup>nd</sup> February 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/2018/09**

**Dated: Tue, 30<sup>th</sup> January 2018**



Weather summary of the previous week	Weather forecast valid up to 4 <sup>th</sup> February 2018
Rainfall = 10.0 mm (up to 25 <sup>th</sup> Jan)	Mostly sunny with possibility of light rain after 2 <sup>nd</sup> Feb. Daily maximum and minimum temperature for the following period is predicted to be 20-21°C and 07-08°C respectively. Expected morning and evening relative humidity will be 64-76% and 21-38% respectively. Wind direction is mainly ENE with speed range of 4-6 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>			
Maize	Vegetative/ Maturity/ Harvesting	Rats	<ul style="list-style-type: none"> <li>Prepare field for sowing of crop,</li> <li>Protect the crop against attack of rats using locally available traps,</li> <li>When rat menace has occurred application of multi dose rodenticide like bromadiolone with proper consultation with experts is advised.</li> </ul>
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>			
Potato	Vegetative stage/ Harvesting stage	<b>Late blight</b>	<ul style="list-style-type: none"> <li><b>In present weather conditions harvesting of mature crops may be done,</b></li> <li><b>Regularly monitor against the disease symptoms. Prominent symptoms include small, dark, circular to irregular shaped lesion in the leaves</b></li> <li><b>Prophylactic spraying of Mancozeb @ 2 gram per 4 litres of water is advised..</b></li> </ul>
Cabbage/ Cauliflower	Harvesting		<ul style="list-style-type: none"> <li><b>Harvest mature crop.</b></li> <li><b>Constantly monitor against attack of insects pests/mole.</b></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>			
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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Agrometeorological Field Unit  
 ICAR. BASAR

# कृषि मौसम सलाहकार सेवा पत्रिका

## Agro-met Advisory Bulletin

(Period: 31<sup>st</sup> January to 2<sup>nd</sup> February 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/2018/09**

**Dated: Tue, 30<sup>th</sup> January 2018**



Weather summary of the previous week	Weather forecast valid up to 4 <sup>th</sup> February 2018
Rainfall = 5.3 mm (Roing) (up to 25 <sup>th</sup> Jan)	Partly cloudy with possibility of light/moderate rain. Daily maximum and minimum temperature for the following period is predicted to be 23-24°C and 12-13°C respectively. Expected morning and evening relative humidity will be 76-98% and 23-44% respectively. Wind direction is mainly ESE & SSE with speed range of 5-6 kmph.
Warning:	• Rain in few isolated places

### 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>			
Maize	Vegetative/ Maturity/ Harvesting	Rats	<ul style="list-style-type: none"> <li>Prepare field for sowing of crop,</li> <li>Protect the crop against attack of rats using locally available traps,</li> <li>When rat menace has occurred application of multi dose rodenticide like bromadiolone with proper consultation with experts is advised.</li> </ul>
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>			
Potato	Vegetative stage/ Harvesting stage	<b>Late blight</b>	<ul style="list-style-type: none"> <li><b>In present weather conditions harvesting of mature crops may be done,</b></li> <li><b>Regularly monitor against the disease symptoms. Prominent symptoms include small, dark, circular to irregular shaped lesion in the leaves</b></li> <li><b>Prophylactic spraying of Mancozeb @ 2 gram per 4 litres of water is advised..</b></li> </ul>
Cabbage/ Cauliflower	Harvesting		<ul style="list-style-type: none"> <li><b>Harvest mature crop.</b></li> <li><b>Constantly monitor against attack of insects pests/mole.</b></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>			
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 <u>EC@0.05%</u> 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> </ul>

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

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: 31<sup>st</sup> January to 2<sup>nd</sup> February 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/2018/09**

**Dated: Tue, 30<sup>th</sup> January 2018**



Weather summery of the previous week	Weather forecast valid up to 4 <sup>th</sup> February 2018
Rainfall = NA	Mostly sunny with possibility of very light rainfall on 3 <sup>rd</sup> Feb. Daily maximum and minimum temperature for the following period is predicted to be 20-21°C and 07-08°C respectively. Expected morning and evening relative humidity will be 88-93% and 44-60% respectively. Wind direction is mainly SSW with speed range of 5-6 kmph.
Warning:	• Rain in few isolated places

### 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
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 sticker in case of rainfall.</li><li>On clear weather, spray of Azadirachtin 0.15% EC @ 6ml/lit against leaf eating insects</li></ul>
VEGETABLES			
Potato	Vegetative stage/ Harvesting stage	Late blight	<ul style="list-style-type: none"><li>In present weather conditions harvesting of mature crops may be done,</li><li>Regularly monitor against the disease symptoms. Prominent symptoms include small, dark, circular to irregular shaped lesion in the leaves</li><li>Prophylactic spraying of Mancozeb @ 2 gram per 4 litres of water is advised..</li></ul>
Cabbage/ Cauliflower	Harvesting		<ul style="list-style-type: none"><li>Harvest mature crop.</li><li>Constantly monitor against attack of insects pests/mole.</li></ul>
HORTICULTURAL CROPS			
Pineapple	Harvesting		<ul style="list-style-type: none"><li>After winter harvest, collection/Selection of suckers &amp; slip to be done for next season planting</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>In case of flowering, stop spraying insecticides/pesticides</li></ul>
Citrus	Maturity/ harvesting	Bark eating caterpillar, Trunk borer, Blue & Green mould	<ul style="list-style-type: none"><li>Orange (only if harvesting is over): Go for drenching with Dichlorovos 76 EC@0.05% against trunk-borer.</li><li>Against Blue &amp; Green mould, spray Imazalil 34 WP @ 1g/lit using sticker if rains. Prune away the diseased portion of the plant.</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>Mulching with straw/crop residue at root zone to avoid frost injury in banana.</li></ul>
Agroforestry			
Toko palm	Nursery		Filling of nursery polybags for raising of takopalm seedlings
Honey Bees			
Honey bees			<ul style="list-style-type: none"><li>Box must be covered with straw/dry leaves to provide warmth</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>			
Cattle	All stages	FMD	<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 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>Avoid dampness and cover weak and sick animals with sack cloth.</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></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>
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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Agrometeorological Field Unit  
ICAR, BASAR

# कृषि मौसम सलाहकार सेवा पत्रिका

## Agro-met Advisory Bulletin

(Period: 31<sup>st</sup> January to 2<sup>nd</sup> February 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/2018/09

Dated: Tue, 30<sup>th</sup> January 2018



Weather summary of the previous week	Weather forecast valid up to 4 <sup>th</sup> February 2018
Rainfall: 1.0 mm; T. Max: 29.0°C; T. Min: 15.0°C ; RH: 65-84% (up to 25 <sup>th</sup> Jan)	<b>Partly cloudy with possibility of no rainfall.</b> Daily maximum and minimum temperature for the following period is predicted to be 24-25°C and 10-12°C respectively. Expected morning and evening relative humidity will be 82-92% and 39-48% respectively. Expected wind direction mainly SSW & SW 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>			
Maize	Vegetative/ Maturity/ Harvesting	Rats	<ul style="list-style-type: none"> <li>Prepare field for sowing of crop,</li> <li>Protect the crop against attack of rats using locally available traps,</li> <li>When rat menace has occurred application of multi dose rodenticide like bromadiolone with proper consultation with experts is advised.</li> </ul>
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>
<b>VEGETABLES</b>			
Potato	Vegetative stage/ Harvesting stage	Late blight	<ul style="list-style-type: none"> <li><b>In present weather conditions harvesting of mature crops may be done,</b></li> <li><b>Regularly monitor against the disease symptoms. Prominent symptoms include small, dark, circular to irregular shaped lesion in the leaves</b></li> <li><b>Prophylactic spraying of Mancozeb @ 2 gram per 4 litres of water is advised..</b></li> </ul>
Cabbage/ Cauliflower	Harvesting		<ul style="list-style-type: none"> <li><b>Harvest mature crop.</b></li> <li><b>Constantly monitor against attack of insects pests/mole.</b></li> </ul>
Ginger/ Turmeric	Maturity		<ul style="list-style-type: none"> <li>Harvest the mature crop,</li> <li>Cure should be taken while harvest so that the rhizome is not damaged,</li> </ul>
<b>HORTICULTURAL CROPS</b>			
Citrus	Maturity/ harvesting	Bark eating caterpillar, Gummosis	<ul style="list-style-type: none"> <li><b>In case of Bark eating caterpillar, remove the wooden frass present in between the joints of the trunk and inject 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	<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>
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: 31<sup>st</sup> January to 2<sup>nd</sup> February 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/2018/09**

**Dated: Tue, 30<sup>th</sup> January 2018**



Weather summary of the previous week	Weather forecast valid up to 4 <sup>th</sup> February 2018
Rainfall = 0.0 mm (up to 25 <sup>th</sup> Jan)	Generally clear/dry weather forecasted. Daily maximum and minimum temperature for the following period is predicted to be 14°C and 3.0-4.0°C respectively. Expected morning and evening relative humidity will be 61-81% and 25-35% respectively. Wind direction is mainly SSE & W with probable speed range of 4-6 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
- 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>			
Maize	Vegetative/ Maturity/ Harvesting	Rats	<ul style="list-style-type: none"> <li>Prepare field for sowing of crop,</li> <li>Protect the crop against attack of rats using locally available traps,</li> <li>When rat menace has occurred application of multi dose rodenticide like bromadiolone with proper consultation with experts is advised.</li> </ul>
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>
<b>VEGETABLES</b>			
Potato	Vegetative stage/ Harvesting stage	<b>Late blight</b>	<ul style="list-style-type: none"> <li><b>In present weather conditions harvesting of mature crops may be done,</b></li> <li><b>Regularly monitor against the disease symptoms. Prominent symptoms include small, dark, circular to irregular shaped lesion in the leaves</b></li> <li><b>Prophylactic spraying of Mancozeb @ 2 gram per 4 litres of water is advised..</b></li> </ul>
Cabbage/ Cauliflower	Harvesting		<ul style="list-style-type: none"> <li><b>Harvest mature crop.</b></li> <li><b>Constantly monitor against attack of insects pests/mole.</b></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><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>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</li> </ul>



			night, <ul style="list-style-type: none"><li>• Provide heat by lighting 100W bulb @ 1 bulb per 20 newly born chicks.</li></ul>
Contact Scientists (ICAR) or State Agril Staff or KVK staff for measures against adverse conditions or call at 03795-226237/226247			

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Agrometeorological Field Unit  
ICAR, BASAR

# कृषि मौसम सलाहकार सेवा पत्रिका

## Agro-met Advisory Bulletin

(Period: 31<sup>st</sup> January to 2<sup>nd</sup> February 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/2018/09**

**Dated: Tue, 30<sup>th</sup> January 2018**



Weather summary of the previous week	Weather forecast valid up to 4 <sup>th</sup> February 2018
Rainfall = 4.2 mm (up to 25 <sup>th</sup> Jan)	Generally clear/dry weather forecasted. Daily maximum and minimum temperature for the following period is predicted to be 24-25°C and 10-12°C respectively. Expected morning and evening relative humidity will be 100% and 33-42% respectively. Wind direction is mainly SE & SSE with speed range of 2-6 kmph.
Warning:	• Rain in few isolated places

### 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>			
Maize	Vegetative/ Maturity/ Harvesting	Rats	<ul style="list-style-type: none"> <li>Prepare field for sowing of crop,</li> <li>Protect the crop against attack of rats using locally available traps,</li> <li>When rat menace has occurred application of multi dose rodenticide like bromadiolone with proper consultation with experts is advised.</li> </ul>
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>
<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>			
Potato	Vegetative stage/ Harvesting stage	<b>Late blight</b>	<ul style="list-style-type: none"> <li><b>In present weather conditions harvesting of mature crops may be done,</b></li> <li><b>Regularly monitor against the disease symptoms. Prominent symptoms include small, dark, circular to irregular shaped lesion in the leaves</b></li> <li><b>Prophylactic spraying of Mancozeb @ 2 gram per 4 litres of water is advised..</b></li> </ul>
Cabbage/ Cauliflower	Harvesting		<ul style="list-style-type: none"> <li><b>Harvest mature crop.</b></li> <li><b>Constantly monitor against attack of insects pests/mole.</b></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 EC@0.05% 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>
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> </ul>

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

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: 31<sup>st</sup> January to 2<sup>nd</sup> February 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/2018/09**

**Dated: Tue, 30<sup>th</sup> January 2018**



Weather summary of the previous week	Weather forecast valid up to 4 <sup>th</sup> February 2018
Rainfall = 0.0 mm (up to 25 <sup>th</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 17-18°C and 05-06°C respectively. Expected morning and evening relative humidity will be 74-84% and 44-58% respectively. Wind direction is mainly S with speed range of 5-6 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			
Maize	Vegetative/ Maturity/ Harvesting	Rats	<ul style="list-style-type: none"> <li>Prepare field for sowing of crop,</li> <li>Protect the crop against attack of rats using locally available traps,</li> <li>When rat menace has occurred application of multi dose rodenticide like bromadiolone with proper consultation with experts is advised.</li> </ul>
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			
Potato	Vegetative stage/ Harvesting stage	Late blight	<ul style="list-style-type: none"> <li><b>In present weather conditions harvesting of mature crops may be done,</b></li> <li><b>Regularly monitor against the disease symptoms. Prominent symptoms include small, dark, circular to irregular shaped lesion in the leaves</b></li> <li><b>Prophylactic spraying of Mancozeb @ 2 gram per 4 litres of water is advised..</b></li> </ul>
Cabbage/ Cauliflower	Harvesting		<ul style="list-style-type: none"> <li><b>Harvest mature crop.</b></li> <li><b>Constantly monitor against attack of insects pests/mole.</b></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>
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	<ul style="list-style-type: none"> <li><b>Avoid dampness and cover weak and sick animals with sack cloth.</b></li> </ul>



		of mucous 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>
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: 31<sup>st</sup> January to 2<sup>nd</sup> February 2018)

ग्रामीण कृषि मौसम सेवा

GRAMIN KRISHI MAUSAM SEWA

(Integrated Agro-Meteorological Advisory Services)

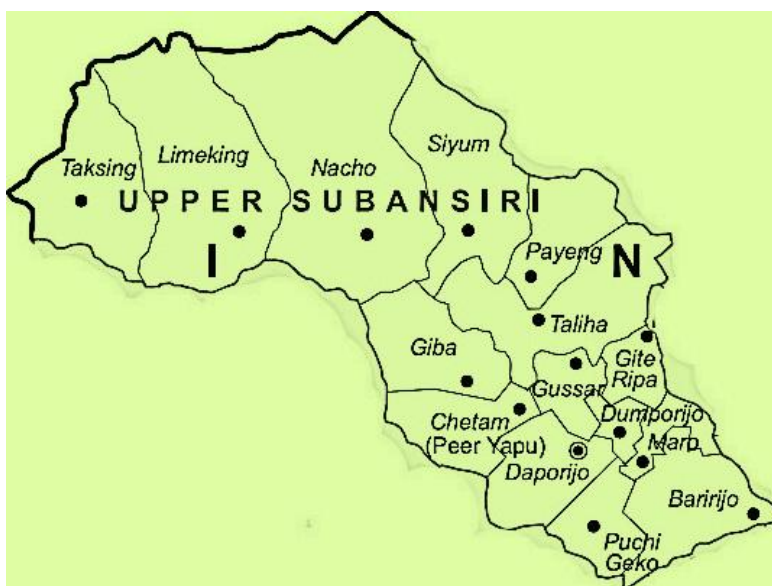


AMFU, ICAR Research Complex for NEH Region  
Arunachal Pradesh Centre, Basar-791101

**District: Upper Subansiri**

**No: AMFU-Basar/2018/09**

**Dated: Tue, 30<sup>th</sup> January 2018**



Weather summary of the previous week	Weather forecast valid up to 4 <sup>th</sup> February 2018
Daporijo: 0.0 mm (up to 25 <sup>th</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 20-21°C and 07-08°C respectively. Expected morning and evening relative humidity will be 82-90% and 49-62% respectively. Expected wind direction is mainly SW & WSW with speed range of 4-5 kmph.
<b>Warning</b>	<b>• Rain in few isolated places</b>

### Weather Based Agro-meteorological Advisories Bulletin

- Disinfecting the animal/bird sheds with lime powder/ bleaching powder/ 4%NaOH at regular interval is advocated
- Avoid spray of insecticides during flowering stage as it may hinder pollination by honey bees and other insects.
- Spraying operation should be done only on dry/clear weather
- Go for low cost polyhouses for year round cultivation of vegetables
- Obtain seeds from reputed/certified/reliable source
- Use fertilizers/pesticides as per recommended doses for the location
- Preference must be given on use of organic manures/bio-fertilizers & bio-pesticides
- ICAR Basar recommend poultry variety VANARAJA for backyard rearing

Crop	Stage	Pest/Disease	Precautionary Practices to be followed
FIELD CROPS			
Maize	Vegetative/ Maturity/ Harvesting	Rats	<ul style="list-style-type: none"> <li>Prepare field for sowing of crop,</li> <li>Protect the crop against attack of rats using locally available traps,</li> <li>When rat menace has occurred application of multi dose rodenticide like bromadiolone with proper consultation with experts is advised.</li> </ul>
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			
Potato	Vegetative stage/ Harvesting stage	Late blight	<ul style="list-style-type: none"> <li><b>In present weather conditions harvesting of mature crops may be done,</b></li> <li><b>Regularly monitor against the disease symptoms. Prominent symptoms include small, dark, circular to irregular shaped lesion in the leaves</b></li> <li><b>Prophylactic spraying of Mancozeb @ 2 gram per 4 litres of water is advised..</b></li> </ul>
Cabbage/ Cauliflower	Harvesting		<ul style="list-style-type: none"> <li><b>Harvest mature crop.</b></li> <li><b>Constantly monitor against attack of insects pests/mole.</b></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 <u>EC@0.05%</u> 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>
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 using stickers in case of rainfall.</b></li> </ul>
Banana	Bunching	Cold	<ul style="list-style-type: none"> <li>Cover newly emerged bunches with locally available sack to protect from cold/frost</li> </ul>
Orchards			<ul style="list-style-type: none"> <li>Prepare half moon terraces in fruit crops (orange/banana/apple/peach) grown in steep slopes to prevent nutrient loss during heavy downpour.</li> <li>Follow proper drainage and earthing up practices in low land/plain areas to avoid water stagnation in fruit orchards</li> </ul>
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 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>
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: 31<sup>st</sup> January to 2<sup>nd</sup> February 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/2018/09**

**Dated: Tue, 30<sup>th</sup> January 2018**



Weather summary of the previous week	Weather forecast valid up to 4 <sup>th</sup> February 2018
Rainfall = Bomdila: 0.0 ; Bhalukpong: 0.0 mm (up to 25 <sup>th</sup> Jan)	<b>Generally clear/dry weather forecasted.</b> Daily maximum and minimum temperature for the following period is predicted to be 17-18°C and 05-06°C respectively. Expected morning and evening relative humidity will be 88-92% and 36-54% respectively. Wind direction is mainly NW & SSW 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

- 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
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FIELD CROPS			
Maize	Vegetative/ Maturity/ Harvesting	Rats	<ul style="list-style-type: none"> <li>Prepare field for sowing of crop,</li> <li>Protect the crop against attack of rats using locally available traps,</li> <li>When rat menace has occurred application of multi dose rodenticide like bromadiolone with proper consultation with experts is advised.</li> </ul>
VEGETABLES			
Potato	Vegetative stage/ Harvesting stage	Late blight	<ul style="list-style-type: none"> <li><b>In present weather conditions harvesting of mature crops may be done,</b></li> <li><b>Regularly monitor against the disease symptoms. Prominent symptoms include small, dark, circular to irregular shaped lesion in the leaves</b></li> <li><b>Prophylactic spraying of Mancozeb @ 2 gram per 4 litres of water is advised..</b></li> </ul>
Cabbage/ Cauliflower	Harvesting		<ul style="list-style-type: none"> <li><b>Harvest mature crop.</b></li> <li><b>Constantly monitor against attack of insects pests/mole.</b></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>
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>
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
<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> </ul>



			<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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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: 31<sup>st</sup> January to 2<sup>nd</sup> February 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/2018/09**

**Dated: Tue, 30<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 4 <sup>th</sup> February 2018
<b>Basar:</b> Rainfall = 0.0 mm. T. Max: 19.0°C, T. Min: 5.5°C, RH: 52-97%, Wind Speed: 3-5 kmph, Wind Direction: ENE & NNE	<b>Mostly/partly cloudy with possibility of light/moderate rainfall after 2<sup>nd</sup> Feb.</b> Daily maximum and minimum temperature for the following period is predicted to be 22-23°C and 09-10°C respectively. Expected morning and evening relative humidity will be 70-79% and 41-52% respectively. Wind direction is mainly W & WNW with speed range of 4-6 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

- 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>			
Maize	Vegetative/ Maturity/ Harvesting	Rats	<ul style="list-style-type: none"> <li>Prepare field for sowing of crop,</li> <li>Protect the crop against attack of rats using locally available traps,</li> <li>When rat menace has occurred application of multi dose rodenticide like bromadiolone with proper consultation with experts is advised.</li> </ul>
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>
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>
<b>VEGETABLES</b>			
Potato	Vegetative stage/ Harvesting stage	Late blight	<ul style="list-style-type: none"> <li><b>In present weather conditions harvesting of mature crops may be done,</b></li> <li><b>Regularly monitor against the disease symptoms. Prominent symptoms include small, dark, circular to irregular shaped lesion in the leaves</b></li> <li><b>Prophylactic spraying of Mancozeb @ 2 gram per 4 litres of water is advised..</b></li> </ul>
Cabbage/ Cauliflower	Harvesting		<ul style="list-style-type: none"> <li><b>Harvest mature crop.</b></li> <li><b>Constantly monitor against attack of insects pests/mole.</b></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>			
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 EC@0.05% 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>
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</li> </ul>

			<div>using gunny bags/plastic sheets around the poultry shed during night,</div> <div><div></div><div>• Provide heat by lighting 100W bulb @ 1 bulb per 20 newly born chicks.</div></div>
Pigs	All stages	FMD (high fever and appearance of mucous membrane of the mouth and foot.) Swine Fever	<div><div></div><div><div>• <b>Avoid dampness and cover weak and sick animals with sack cloth.</b></div><div>• Animals should be given lukewarm feed and water.</div><div>• Right time to deworm with anti helmetic drugs (particularly Tapeworms) viz. Fento Plus @ 1 tablet per 30 kg body weight.</div><div>• Provide proper bedding materials especially to new-born piglets and lukewarm food &amp; water</div></div></div>
Cattle	All stages	FMD	<div><div></div><div><div>• <b>Animals should be given lukewarm feed and water.</b></div><div>• <b>Right time to deworm with anti helmetic drugs (particularly Tapeworms) viz. Fento Plus @ 1 tablet per 30 kg body weight.</b></div><div>• Provide proper bedding materials especially to new-born and lukewarm food &amp; water</div><div>• Provide feed supplements</div></div></div>
Mithun		FMD	<div><div></div><div><div>• 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.</div><div>• Pregnant animals above 7 months of pregnancy should be avoided.</div></div></div>
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