

# कृषि मौसम सलाहकार सेवा पत्रिका

## Agro-met Advisory Bulletin

(Period: 6<sup>th</sup> to 9<sup>th</sup> January 2018)

ग्रामीण कृषि मौसम सेवा



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



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

**District: Anjaw**

**No: AMFU-Basar/2018/02**

**Dated: Fri, 5<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 10 <sup>th</sup> Jan'2018
No weather summary available	<b>Generally clear/dry weather forecasted.</b> Daily maximum and minimum temperature for the following period is predicted to be 17-18°C and 08-09°C respectively. Expected morning and evening relative humidity will be 53-71% and 22-30% respectively. Wind direction is mainly NE and a speed range of 5-6 kmph.
<b>Warning:</b>	<ul style="list-style-type: none"><li><b>Moderate to dense fog likely to occur at isolated places</b></li></ul>

### Weather Based Agro-meteorological Advisories Bulletin

#### General Recommendations

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

Crop	Stage	Pest/Disease	Precautionary Practices to be followed
<b>FIELD CROPS</b>			
Mustard	Vegetative	White rust/ Downey mildew	<ul style="list-style-type: none"> <li>Need-based foliar spray of Metalaxyl+Dithane M-45 @ 2.5g/lit at 15 days interval for management of White rust/Downy mildew in mustard</li> </ul>
Pea	Vegetative	Cut-worm	<ul style="list-style-type: none"> <li>Regular monitoring of crop against attack of cutworm is advised,</li> </ul>
Rice	Harvesting		<ul style="list-style-type: none"> <li>Sun-dry &amp; properly winnow the grains for safe storage.</li> <li>In case of rain delay harvesting</li> </ul>
Black Gram & Green Gram	Vegetative	Powdery mildew	<ul style="list-style-type: none"> <li>Need based foliar spray of Sulfex@2g/lit water to control powdery mildew in black/green gram/pea</li> </ul>
<b>VEGETABLES</b>			
Cabbage/ Cauliflower/ Knolkhol/ Others	Maturity/ harvesting	Leaf eating caterpillars/ Aphids	<ul style="list-style-type: none"> <li>Light irrigation is essential,</li> <li>In present weather conditions severe attack of leaf eating caterpillars has been reported. Spray Azadirachtin(0.015%) @6ml/litre of water when weather is clear.</li> <li>Spray with neem based pesticides against aphids</li> </ul>
Potato	Vegetative	Red Ants/ Late blight/ Alternaria blight	<ul style="list-style-type: none"> <li>Weeding and application of fertilizer as per recommended doses is suggested in potato.</li> <li><b>Spray Indofil m-45 at regular interval of 7 days in potato/tomato against Alternaria blight</b></li> <li>Ridge should be properly made,</li> <li>Red Ants: - Drenching with Chlorpyriphos @ 2 ml per litre of water,</li> <li>Foliar spray of Dithane <a href="#">M-45@2.5g/litre</a> of water for management of potato late blight.</li> </ul>
<b>HORTICULTURAL CROPS</b>			
Banana	Bunching	Cold	<ul style="list-style-type: none"> <li>Cover newly emerged bunches with locally available sack to protect from cold/frost</li> <li><b>Mulching with straw/crop residue at root zone to avoid frost injury in banana.</b></li> </ul>
Citrus	Maturity/ harvesting	Fruit Drop Fruit Fly Gummosis	<ul style="list-style-type: none"> <li><b>Collect dropped fruits &amp; dispose by putting in airtight bags or burry deep in ground.</b></li> <li>Harvest the mature fruit with stalk and store in dry places.</li> <li><b>Install fruit-fly traps</b></li> <li>Dead wood pruning may be done after harvesting of crop followed by spraying of fungicide, Carbendazim @ 1gm/lit of water.</li> <li><b>Breakdown the soil collected around the tree trunk</b></li> </ul>
Temperate fruits	After harvesting		<ul style="list-style-type: none"> <li>Training &amp; pruning of the temperate crops (apple/pears/peach) is recommended</li> </ul>
<b>LIVESTOCKS</b>			
Livestock	Stage	Disease	Precautionary Practices to be followed
Poultry	All stages		<ul style="list-style-type: none"> <li>Day old chick-Maintain warmth by lighting,</li> <li>In present weather conditions protect the birds from cold by using gunny bags/plastic sheets around the poultry shed during night,</li> <li>Provide heat by lighting 100W bulb @ 1 bulb per 20 newly born chicks.</li> </ul>
Fishery			<ul style="list-style-type: none"> <li><b>Keep fish stocking density thin @1200/ha</b></li> </ul>
Pigs	All stages	FMD (high fever and appearance of mucous membrane of the mouth and foot.) Swine Fever	<ul style="list-style-type: none"> <li><b>Avoid dampness and cover weak and sick animals with sack cloth.</b></li> <li>Animals should be given lukewarm feed and water.</li> <li>Right time to deworm with anti helmetic drugs (particularly Tapeworms) viz. Fento Plus @ 1 tablet per 30 kg body weight.</li> <li>Provide proper bedding materials especially to new-born piglets and lukewarm food &amp; water</li> </ul>
Cattle	All stages	FMD	<ul style="list-style-type: none"> <li><b>Animals should be given lukewarm feed and water.</b></li> <li><b>Right time to deworm with anti helmetic drugs (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> </ul>

			<ul style="list-style-type: none"><li>• Supportive treatment of infected animals under supervision of veterinary department officials,</li><li>• Avoid mixing of infected and healthy animals,</li><li>• Keep infected animals separated from the healthy ones,</li><li>• Vaccinate the healthy animals against FMD (Through State Veterinary Dept.)</li><li>• Provide feed supplements</li></ul>
Mithun		FMD	<ul style="list-style-type: none"><li>• Polyvalent FMD vaccine with serotype O, A and Asia at 6 months of age and repeat after that 6 months interval by sub-cutaneous route. Pregnant animals above 7 months of pregnancy should be avoided from vaccination.</li></ul>
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: 6<sup>th</sup> to 9<sup>th</sup> January 2018)

ग्रामीण कृषि मौसम सेवा



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



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

**District: Changlang**

**No: AMFU-Basar/2018/02**

**Dated: Fri, 5<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 10 <sup>th</sup> Jan'2018
Rainfall = Changlang: 0.0 mm Miao: 8.2 mm	<b>Generally clear/dry weather forecasted.</b> Daily maximum and minimum temperature for the following period is predicted to be 23-25°C and 12-13°C respectively. Expected morning and evening relative humidity will be 47-70% and 16-18% respectively. Wind direction is mainly ESE with speed range of 4-5 kmph.
<b>Warning</b>	<ul style="list-style-type: none"><li><b>Moderate to dense fog likely to occur at isolated places</b></li></ul>

### Weather Based Agro-meteorological Advisories Bulletin

#### General Recommendations

- Spraying operation should be done only on dry/clear weather
- Go for low cost 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>			
Mustard	Vegetative	White rust/ Downey mildew	<ul style="list-style-type: none"> <li>Need-based foliar spray of Metalaxyl+Dithane M-45 @ 2.5g/lit at 15 days interval for management of White rust/Downy mildew in mustard</li> </ul>
Rice	Harvesting		<ul style="list-style-type: none"> <li>Sun-dry &amp; properly winnow the grains for safe storage.</li> <li>In case of rain delay harvesting</li> </ul>
Pea	Vegetative	Cut-worm	<ul style="list-style-type: none"> <li>Regular monitoring of crop against attack of cutworm is advised,</li> <li>Spray neem-based insecticides against leaf eating insects</li> </ul>
Black Gram & Green Gram	Vegetative	Powdery mildew	<ul style="list-style-type: none"> <li>Need based foliar spray of Sulfex@2g/lit water to control powdery mildew in black/green gram/pea</li> </ul>
<b>VEGETABLES</b>			
Potato	Vegetative	Red Ants/ Late blight/ Alternaria blight	<ul style="list-style-type: none"> <li>Weeding and application of fertilizer as per recommended doses is suggested in potato.</li> <li><b>Spray Indofil m-45 at regular interval of 7 days in potato/tomato against Alternaria blight</b></li> <li>Ridge should be properly made,</li> <li>Red Ants: - Drenching with Chlorpyriphos @ 2 ml per litre of water,</li> <li>Foliar spray of Dithane <a href="#">M-45@2.5g/litre</a> of water for management of potato late blight.</li> </ul>
Cabbage/ Cauliflower/ Knolkhol/ Others	Maturity/ Harvesting	Leaf eating caterpillars/ Aphids	<ul style="list-style-type: none"> <li>Light irrigation is essential,</li> <li>In present weather conditions severe attack of leaf eating caterpillars has been reported. Spray Azadirachtin(0.015%) @6ml/litre of water when weather is clear.</li> <li>Spray with neem based pesticides against aphids</li> </ul>
<b>HORTICULTURAL CROPS</b>			
Banana	Bunching	Cold	<ul style="list-style-type: none"> <li>Cover newly emerged bunches with locally available sack to protect from cold/frost</li> <li><b>Mulching with straw/crop residue at root zone to avoid frost injury in banana.</b></li> </ul>
Citrus	Maturity/ harvesting	Fruit Drop Fruit Fly Gummosis	<ul style="list-style-type: none"> <li>Harvest the mature fruit with stalk and store in dry places.</li> <li><b>Collect &amp; dispose rotten fallen fruits/ install fruit-fly traps</b></li> <li><b>Dead wood pruning may be done after harvesting of crop followed by spraying of fungicide, Carbendazim @ 1gm/lit of water.</b></li> <li><b>Breakdown the soil collected around the tree trunk</b></li> </ul>
Large Cardamom	Fruiting	Chirkey Disease	<ul style="list-style-type: none"> <li><b>Remove dry/diseased/old tillers &amp; branches &amp; spray Bio NPK @ 2ml/lit water for proper growth.</b></li> </ul>
<b>Honey Bees</b>			
Honey bees			<ul style="list-style-type: none"> <li>Box must be covered with straw/dry leaves to provide warmth</li> <li>Provide sugar syrup</li> </ul>
<b>LIVESTOCKS</b>			
Livestock	Stage	Disease	Precautionary Practices to be followed
<b>General</b> <ul style="list-style-type: none"> <li><b>Damaged grain (not fungus contaminated) to be diverted for Poultry/livestock feeding</b></li> <li><b>Clean drinking water should be ensured round the clock and water troughs/feeders should be regularly cleaned,</b></li> </ul>			
Goat	All stages		<ul style="list-style-type: none"> <li>Deworming for gastrointestinal parasite</li> </ul>
Pigs	All stages	FMD (high fever and appearance of mucous membrane of the mouth and foot.) Swine Fever	<ul style="list-style-type: none"> <li><b>Avoid dampness and cover weak and sick animals with sack cloth.</b></li> <li>Animals should be given lukewarm feed and water.</li> <li>Right time to deworm with anti helmetic drugs (particularly Tapeworms) viz. Fento Plus @ 1 tablet per 30 kg body weight.</li> <li>Provide proper bedding materials especially to new-born piglets and lukewarm food &amp; water</li> </ul>
Cattle	All stages	FMD	<ul style="list-style-type: none"> <li><b>Animals should be given lukewarm feed and water.</b></li> <li><b>Right time to deworm with anti helmetic drugs (particularly Tapeworms) viz. Fento Plus @ 1 tablet per 30 kg body weight.</b></li> <li>Provide proper bedding materials especially to new-born and lukewarm food &amp; water</li> </ul>

			<ul style="list-style-type: none"><li>• Heavy mortality in cloven footed animals has been reported.</li><li>• Supportive treatment of infected animals under supervision of veterinary department officials,</li><li>• Avoid mixing of infected and healthy animals,</li><li>• Keep infected animals separated from the healthy ones,</li><li>• Vaccinate the healthy animals against FMD (Through State Veterinary Dept.)</li><li>• Provide feed supplements</li></ul>
Poultry	All stages		<ul style="list-style-type: none"><li>• Day old chick-Maintain warmth by lighting,</li><li>• In present weather conditions protect the birds from cold by using gunny bags/plastic sheets around the 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: 6<sup>th</sup> to 9<sup>th</sup> January 2018)

ग्रामीण कृषि मौसम सेवा



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



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

**District: Dibang Valley**

**No: AMFU-Basar/2018/02**

**Dated: Fri, 5<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 10 <sup>th</sup> Jan'2018
Rainfall = 4.0 mm (Anini)	Mostly sunny to partly cloudy with possibility of light rain. Daily maximum and minimum temperature for the following period is predicted to be 17-18°C and 08-09°C respectively. Expected morning and evening relative humidity will be 50-70% and 19-40% respectively. Wind direction is mainly NE with speed range of 7-9 kmph.
Warning:	• Moderate to dense fog likely to occur at 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
- Go for spray operation only on dry/clear weather.
- Go for low cost polyhouses for year round cultivation of vegetables
- Obtain seeds from reputed/certified/reliable source
- Use fertilizers/pesticides as per recommended doses for the location
- Preference must be given on use of organic manures/bio-fertilizers & bio-pesticides
- ICAR Basar recommend poultry variety VANARAJA for backyard rearing

Crop	Stage	Pest/Disease	Precautionary Practices to be followed
<b>FIELD CROPS</b>			
Rice	Harvesting		<ul style="list-style-type: none"> <li>Sun-dry &amp; properly winnow the grains for safe storage.</li> <li>In case of rain delay harvesting</li> </ul>
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>
Pea	Vegetative	Leaf eating insects	<ul style="list-style-type: none"> <li>Provide irrigation to plants</li> <li>Mulching with locally available materials like straw/dray grass to retain soil moisture</li> <li>Spray neem-based pesticides against leaf eating insects</li> </ul>
<b>VEGETABLES</b>			
Potato	Vegetative	Red Ants/ Late blight/ Alternaria blight	<ul style="list-style-type: none"> <li>Weeding and application of fertilizer as per recommended doses is suggested in potato.</li> <li><b>Spray Indofil m-45 at regular interval of 7 days in potato/tomato against Alternaria blight</b></li> <li>Ridge should be properly made,</li> <li>Red Ants: - Drenching with Chlorpyriphos @ 2 ml per litre of water,</li> <li>Foliar spray of Dithane <a href="#">M-45@2.5g/litre</a> of water for management of potato late blight.</li> </ul>
Cabbage/ Cauliflower/ Knolkhol/ Others	Maturity/ Harvesting	Leaf eating caterpillars/ Aphids	<ul style="list-style-type: none"> <li>Light irrigation is essential,</li> <li>In present weather conditions severe attack of leaf eating caterpillars has been reported. Spray Azadirachtin(0.015%) @6ml/litre of water when weather is clear.</li> <li>Spray with neem based pesticides against aphids</li> </ul>
<b>HORTICULTURAL CROPS</b>			
Banana	Bunching	Cold	<ul style="list-style-type: none"> <li>Cover newly emerged bunches with locally available sack to protect from cold/frost</li> <li><b>Mulching with straw/crop residue at root zone to avoid frost injury in banana.</b></li> </ul>
Temperate fruits	After harvesting		<ul style="list-style-type: none"> <li>Training &amp; pruning of the temperate crops (apple/pears/peach) is recommended</li> </ul>
Citrus	Maturity/ harvesting	Fruit Drop Fruit Fly Gummosis	<ul style="list-style-type: none"> <li>Harvest the mature fruit with stalk and store in dry places.</li> <li><b>Collect &amp; dispose rotten fallen fruits/ install fruit-fly traps</b></li> <li><b>Dead wood pruning may be done after harvesting of crop followed by spraying of fungicide, Carbendazim @ 1gm/lit of water.</b></li> <li><b>Breakdown the soil collected around the tree trunk</b></li> </ul>
Large Cardamom	Fruiting	Chirkey Disease	<ul style="list-style-type: none"> <li><b>Remove dry/diseased/old tillers &amp; branches &amp; spray Bio NPK@ 2ml/lit water for proper growth.</b></li> </ul>
<b>Honey Bees</b>			
Honey bees			<ul style="list-style-type: none"> <li>Cover the boxes with locally available dry grass or straw to provide warmth</li> </ul>
<b>LIVESTOCKS</b>			
Livestock	Stage	Disease	Precautionary Practices to be followed
<b>General</b>			
<ul style="list-style-type: none"> <li><b>Damaged grain (not fungus contaminated) to be diverted for Poultry/livestock feeding</b></li> <li><b>Clean drinking water should be ensured round the clock and water troughs/feeders should be regularly cleaned,</b></li> </ul>			
Pigs	All stages	FMD (high fever and appearance of mucous membrane of the mouth and foot.) Swine Fever	<ul style="list-style-type: none"> <li><b>Avoid dampness and cover weak and sick animals with sack cloth.</b></li> <li>Animals should be given lukewarm feed and water.</li> <li>Right time to deworm with anti helmetic drugs (particularly Tapeworms) viz. Fento Plus @ 1 tablet per 30 kg body weight.</li> <li>Provide proper bedding materials especially to new-born piglets and lukewarm food &amp; water</li> </ul>
Cattle	All stages	FMD	<ul style="list-style-type: none"> <li><b>Animals should be given lukewarm feed and water.</b></li> <li><b>Right time to deworm with anti helmetic drugs (particularly Tapeworms) viz. Fento Plus @ 1 tablet per 30 kg body weight.</b></li> <li>Provide proper bedding materials especially to new-born and lukewarm food &amp; water</li> <li>Heavy mortality in cloven footed animals has been reported.</li> <li>Supportive treatment of infected animals under supervision of</li> </ul>



			<div>veterinary department officials,</div> <ul style="list-style-type: none"><li>• Avoid mixing of infected and healthy animals,</li><li>• Keep infected animals separated from the healthy ones,</li><li>• Vaccinate the healthy animals against FMD (Through State Veterinary Dept.)</li><li>• Provide feed supplements</li></ul>
Poultry	All stages		<ul style="list-style-type: none"><li>• Day old chick-Maintain warmth by lighting,</li><li>• In present weather conditions protect the birds from cold by using gunny bags/plastic sheets around the poultryshed during night,</li><li>• Provide heat by lighting 100W bulb @ 1 bulb per 20 newly born chicks.</li></ul>
Mithun		FMD	<ul style="list-style-type: none"><li>• Polyvalent FMD vaccine with serotype O, A and Asia at 6 months of age and repeat after that 6 months interval by sub-cutaneous route.</li><li>• Pregnant animals above 7 months of pregnancy should be avoided.</li></ul>
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: 6<sup>th</sup> to 9<sup>th</sup> January 2018)

ग्रामीण कृषि मौसम सेवा



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



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

**District: East Kameng**

**No: AMFU-Basar/2018/02**

**Dated: Fri, 5<sup>th</sup> January 2018**



Weather summary of the previous week	Weather forecast valid up to 10 <sup>th</sup> Jan'2018
Rainfall = 0.0 mm	Generally clear/dry weather forecasted. Daily maximum and minimum temperature for the following period is predicted to be 23°C and 10-12°C respectively. Expected morning and evening relative humidity will be 67-82% and 28-33% respectively. Expected wind direction is mainly SE & SSE with speed range of 5-6 kmph.
<b>Warning:</b>	<ul style="list-style-type: none"> <li><b>Moderate to dense fog likely to occur at isolated places</b></li> </ul>

### Weather Based Agro-meteorological Advisories Bulletin

#### General Recommendations

- Go for low cost polyhouses for year round cultivation of vegetables
- Obtain seeds from reputed/certified/reliable source
- Use fertilizers/pesticides as per recommended doses for the location
- Preference must be given on use of organic manures/bio-fertilizers & bio-pesticides
- ICAR Basar recommend poultry variety VANARAJA for backyard rearing
- 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>			
Mustard	Vegetative	White rust/ Downey mildew	<ul style="list-style-type: none"> <li>Need-based foliar spray of Metalaxyl+Dithane M-45 @ 2.5g/lit at 15 days interval for management of White rust/Downy mildew in mustard</li> </ul>
Rice	Harvesting		<ul style="list-style-type: none"> <li>Sun-dry &amp; properly winnow the grains for safe storage.</li> <li>In case of rain delay harvesting</li> </ul>
Pea	Sowing		<ul style="list-style-type: none"> <li>Treat pea with rhizobium@2gm/kg seed before sowing or treat with carbendazim @ 2g/kg seed before sowing</li> <li>Provide irrigation to plants</li> <li>Complete sowing by 1<sup>st</sup> fortnight of Nov. for better yield</li> </ul>
Soybean	Harvesting		<ul style="list-style-type: none"> <li>Immediately harvest soybean &amp; thoroughly dry in sun.</li> </ul>
<b>VEGETABLES</b>			
Potato	Vegetative	Red Ants/ Late blight/ Alternaria blight	<ul style="list-style-type: none"> <li>Weeding and application of fertilizer as per recommended doses is suggested in potato.</li> <li><b>Spray Indofil m-45 at regular interval of 7 days in potato/tomato against Alternaria blight</b></li> <li>Ridge should be properly made,</li> <li>Red Ants: - Drenching with Chlorpyrifos @ 2 ml per litre of water,</li> <li>Foliar spray of Dithane <a href="#">M-45@2.5g/litre</a> of water for management of potato late blight.</li> </ul>
Cabbage/ Cauliflower/ Knolkhol/ Others	Maturity	Leaf eating caterpillars/ Aphids	<ul style="list-style-type: none"> <li>Light irrigation is essential,</li> <li>In present weather conditions severe attack of leaf eating caterpillars has been reported. Spray Azadirachtin(0.015%) @6ml/litre of water when weather is clear.</li> <li>Spray with neem based pesticides against aphids</li> </ul>
<b>HORTICULTURAL CROPS</b>			
Banana	Bunching	Cold	<ul style="list-style-type: none"> <li>Cover newly emerged bunches with locally available sack to protect from cold/frost</li> <li><b>Mulching with straw/crop residue at root zone to avoid frost injury in banana.</b></li> </ul>
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>
Large Cardamom	Flowering stage	Chirkey Disease (fungal infection) & Chirke and Foorkey (virus infection)	<ul style="list-style-type: none"> <li>Mulching with locally available materials like dry grass/paddy straw recommended</li> <li>Remove diseased part &amp; keep inflorescence clean.</li> <li>Uproot &amp; burn virus infected plants</li> </ul>
Pineapple	Active vegetative		<ul style="list-style-type: none"> <li>Mulching with locally available materials like dry grass/paddy straw recommended</li> <li>Remove excess suckers to increase fruit size and improve quality.</li> </ul>
Ginger/Turmeric	Seedling		<ul style="list-style-type: none"> <li>Mulching with locally available materials like dry grass/paddy straw recommended</li> <li>Proper drainage to be done and avoid water stagnation</li> <li>Earthing up of ginger/turmeric along with basal application of required fertilizer should be done</li> </ul>
<b>Agroforestry</b>			
Toko palm	Nursery		Filling of nursery polybags for raising of takopalm seedlings
<b>LIVESTOCKS</b>			
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	<ul style="list-style-type: none"> <li><b>Avoid dampness and cover weak and sick animals with sack cloth.</b></li> </ul>

		membrane of the mouth and foot.) Swine Fever	<ul style="list-style-type: none"><li>• Animals should be given lukewarm feed and water.</li><li>• Right time to deworm with anti helmetic drugs (particularly Tapeworms) viz. Fento Plus @ 1 tablet per 30 kg body weight.</li><li>• Provide proper bedding materials especially to new-born piglets and lukewarm food &amp; water</li></ul>
Cattle	All stages	FMD	<ul style="list-style-type: none"><li>• <b>Animals should be given lukewarm feed and water.</b></li><li>• <b>Right time to deworm with anti helmetic drugs (particularly Tapeworms) viz. Fento Plus @ 1 tablet per 30 kg body weight.</b></li><li>• Provide proper bedding materials especially to new-born and lukewarm food &amp; water</li><li>• Heavy mortality in cloven footed animals has been reported.</li><li>• Supportive treatment of infected animals under supervision of veterinary department officials,</li><li>• Avoid mixing of infected and healthy animals,</li><li>• Keep infected animals separated from the healthy ones,</li><li>• Vaccinate the healthy animals against FMD (Through State Veterinary Dept.)</li><li>• Provide feed supplements</li></ul>
Poultry	All stages		<ul style="list-style-type: none"><li>• Day old chick-Maintain warmth by lighting,</li><li>• In present weather conditions protect the birds from cold by using gunny bags/plastic sheets around the poultryshed during night,</li><li>• Provide heat by lighting 100W bulb @ 1 bulb per 20 newly born chicks.</li></ul>
Fishery			<ul style="list-style-type: none"><li>• Application of quick lime is highly recommended in order to rectify water pH.</li><li>• Application of fish feed (mustard oil cake) is essential for achieving higher yield</li></ul>
Mithun		FMD	<ul style="list-style-type: none"><li>• Polyvalent FMD vaccine with serotype O, A and Asia at 6 months of age and repeat after that 6 months interval by sub-cutaneous route.</li><li>• Pregnant animals above 7 months of pregnancy should be avoided.</li></ul>
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: 6<sup>th</sup> to 9<sup>th</sup> January 2018)

ग्रामीण कृषि मौसम सेवा



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



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

**District: East Siang**

**No: AMFU-Basar/2018/02**

**Dated: Fri, 5<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 10 <sup>th</sup> Jan'2018
Rainfall: 2.5 mm; T. Max: 26.0°C; T. Min: 09.0°C ; RH: 65-72%	<b>Mostly sunny with no possibility of rain.</b> Daily maximum and minimum temperature for the following period is predicted to be 23-24°C and 09-10°C respectively. Expected morning and evening relative humidity will be 61-86% and 20-23% respectively. Expected wind direction is mainly SE with speed range of 6 kmph.
<b>Warning:</b>	<ul style="list-style-type: none"><li><b>Moderate to dense fog likely to occur at isolated places</b></li></ul>

### Weather Based Agro-meteorological Advisories Bulletin

#### General Recommendations

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

Crop	Stage	Pest/Disease	Precautionary Practices to be followed
<b>FIELD CROPS</b>			
Rice	Harvesting		<ul style="list-style-type: none"> <li>Sun-dry &amp; properly winnow the grains for safe storage.</li> <li>In case of rain delay harvesting</li> </ul>
Mustard	Vegetative	White rust/ Downey mildew	<ul style="list-style-type: none"> <li>Need-based foliar spray of Metalaxyl+Dithane M-45 @ 2.5g/lit at 15 days interval for management of White rust/Downy mildew in mustard</li> </ul>
Pea	Vegetative	Leaf eating insects	<ul style="list-style-type: none"> <li>Provide irrigation to plants</li> <li>Mulching with locally available materials like straw/dray grass to retain soil moisture</li> <li>Spray neem-based pesticides against leaf eating insects</li> </ul>
Maize	Harvesting	Rat	<ul style="list-style-type: none"> <li>Harvest mature cobs and dry properly before storing</li> <li>Use locally available traps to control rats menace</li> </ul>
<b>VEGETABLES</b>			
Potato	Vegetative	Red Ants/ Late blight/ Alternaria blight	<ul style="list-style-type: none"> <li>Weeding and application of fertilizer as per recommended doses is suggested in potato.</li> <li>Spray Indofil m-45 at regular interval of 7 days in potato/tomato against Alternaria blight</li> <li>Ridge should be properly made,</li> <li>Red Ants: - Drenching with Chlorpyriphos @ 2 ml per litre of water,</li> <li>Foliar spray of Dithane <a href="#">M-45@2.5g/litre</a> of water for management of potato late blight.</li> </ul>
Cabbage/ Cauliflower/ Knolkhol/ Others	Maturity/ Harvesting	Leaf eating caterpillars/ Aphids	<ul style="list-style-type: none"> <li>Light irrigation is essential,</li> <li>In present weather conditions severe attack of leaf eating caterpillars has been reported. Spray Azadirachtin(0.015%) @6ml/litre of water when weather is clear.</li> <li>Spray with neem based pesticides against aphids</li> </ul>
Ginger/turmeric	Vegetative stage	Rhizome rot	<ul style="list-style-type: none"> <li><u>Under excessive moisture, there is every possibility of rhizome rot in ginger and turmeric.</u></li> <li><u>To manage the disease, provide adequate drainage and apply <i>Trichoderma harzianum</i> @ 50 g/bed along with FYM/ neem cake.</u></li> <li>Mulching should be done with locally available mulch,</li> <li>Earthing up of exposed rhizome,</li> </ul>
<b>HORTICULTURAL CROPS</b>			
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>Collect &amp; dispose rotten fallen fruits/ install fruit-fly traps</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</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>Damaged grain (not fungus contaminated) to be diverted for Poultry/livestock feeding</li> <li>Clean drinking water should be ensured round the clock and water troughs/feeders should be regularly cleaned,</li> </ul>			
Pigs	All stages	FMD (high fever and appearance of mucous membrane of the mouth and foot.)	<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> </ul>



		Swine Fever	<ul style="list-style-type: none"><li>• Provide proper bedding materials especially to new-born piglets and lukewarm food &amp; water</li></ul>
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: 6<sup>th</sup> to 9<sup>th</sup> January 2018)

ग्रामीण कृषि मौसम सेवा

GRAMIN KRISHI MAUSAM SEWA

(Integrated Agro-Meteorological Advisory Services)



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

**District: Kurung Kumey**

**No: AMFU-Basar/2018/02**

**Dated: Fri, 5<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 10 <sup>th</sup> Jan'2018
Past weather summary not available	<b>Generally clear/dry weather forecasted..</b> Daily maximum and minimum temperature for the following period is predicted to be 17-18°C and 08-09°C respectively. Expected morning and evening relative humidity will be 50-80% and 28-49% respectively. Wind direction is mainly SW & WSW with wind speed range of 6-9 kmph.
Warning	<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

- **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>			
Rice	Harvesting		<ul style="list-style-type: none"> <li>Sun-dry &amp; properly winnow the grains for safe storage.</li> </ul>
Black Gram & Green Gram	Vegetative		<ul style="list-style-type: none"> <li>Need based foliar spray of Sulfex@2g/lit water to control powdery mildew in black/green gram/pea</li> </ul>
Maize	Harvesting	Rat	<ul style="list-style-type: none"> <li>Harvest mature cobs and dry properly before storing</li> <li>Use locally available traps to control rats menace</li> </ul>
<b>VEGETABLES</b>			
Potato	Vegetative	Red Ants/ Late blight/ Alternaria blight	<ul style="list-style-type: none"> <li>Weeding and application of fertilizer as per recommended doses is suggested in potato.</li> <li><b>Spray Indofil m-45 at regular interval of 7 days in potato/tomato against Alternaria blight</b></li> <li>Ridge should be properly made,</li> <li>Red Ants: - Drenching with Chlorpyriphos @ 2 ml per litre of water,</li> <li>Foliar spray of Dithane <a href="#">M-45@2.5g/litre</a> of water for management of potato late blight.</li> </ul>
Cabbage/ Cauliflower/ Knolkhol/ Others	Maturity/ Harvesting	Leaf eating caterpillars/ Aphids	<ul style="list-style-type: none"> <li>Light irrigation is essential,</li> <li>In present weather conditions severe attack of leaf eating caterpillars has been reported. Spray Azadirachtin(0.015%) @6ml/litre of water when weather is clear.</li> <li>Spray with neem based pesticides against aphids</li> </ul>
<b>HORTICULTURAL CROPS</b>			
Banana	Bunching	Cold	<ul style="list-style-type: none"> <li>Cover newly emerged bunches with locally available sack to protect from cold/frost</li> <li><b>Mulching with straw/crop residue at root zone to avoid frost injury in banana.</b></li> </ul>
Peach	Post-harvesting		<ul style="list-style-type: none"> <li>Training &amp; pruning of diseased/criss-cross branches to harvest more solar energy &amp; for proper growth.</li> </ul>
Citrus	Maturity/ harvesting	Fruit Drop Fruit Fly Gummosis	<ul style="list-style-type: none"> <li>Harvest the mature fruit with stalk and store in dry places.</li> <li><b>Collect &amp; dispose rotten fallen fruits/ install fruit-fly traps</b></li> <li><b>Dead wood pruning may be done after harvesting of crop followed by spraying of fungicide, Carbendazim @ 1gm/lit of water.</b></li> <li><b>Breakdown the soil collected around the tree trunk</b></li> </ul>
Kiwi	Harvesting		<ul style="list-style-type: none"> <li>Should be harvested by snapping their stalks</li> <li>Fruit should be stored boxes containing cushioning materials and transported to the market in hard condition.</li> </ul>
Pineapple	Sowing		<ul style="list-style-type: none"> <li>Clean the vicinity of plants by weeding and loosen up the soil.</li> <li>Remove sly and use it as a new planting material.</li> <li>Sucker dipping treatment with Bavistin @ 3g + Chlorpyriphos 20EC@ 2ml/lt of water to protect against soil borne disease and insect.</li> </ul>
Large Cardamom	Fruiting	Chirkey Disease	<ul style="list-style-type: none"> <li><b>Remove dry/diseased/old tillers &amp; branches &amp; spray Bio NPK@ 2ml/lit water for proper growth.</b></li> </ul>
<b>Honey Bees</b>			
			<ul style="list-style-type: none"> <li>Box must be covered with straw/dry leaves to provide warmth</li> </ul>
<b>LIVESTOCKS</b>			
<b>General</b>			
<ul style="list-style-type: none"> <li><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
Pigs	All stages	FMD (high fever and appearance of mucous membrane of the mouth and foot.) Swine Fever	<ul style="list-style-type: none"> <li><b>Avoid dampness and cover weak and sick animals with sack cloth.</b></li> <li>Animals should be given lukewarm feed and water.</li> <li>Right time to deworm with anti helmetic drugs (particularly Tapeworms) viz. Fento Plus @ 1 tablet per 30 kg body weight.</li> <li>Provide proper bedding materials especially to new-born piglets and lukewarm food &amp; water</li> </ul>
Cattle	All stages	FMD	<ul style="list-style-type: none"> <li><b>Animals should be given lukewarm feed and water.</b></li> <li><b>Right time to deworm with anti helmetic drugs</b></li> </ul>

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

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ICAR, BASAR

# कृषि मौसम सलाहकार सेवा पत्रिका

## Agro-met Advisory Bulletin

(Period: 6<sup>th</sup> to 9<sup>th</sup> January 2018)

ग्रामीण कृषि मौसम सेवा

GRAMIN KRISHI MAUSAM SEWA

(Integrated Agro-Meteorological Advisory Services)



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

**District: Lohit**

No: AMFU-Basar/2018/02

Dated: Fri, 5<sup>th</sup> January 2018



Weather summary of the previous week	Weather forecast valid up to 10 <sup>th</sup> Jan'2018
Rainfall = 0.0 mm	Generally clear/dry weather forecasted. Daily maximum and minimum temperature for the following period is predicted to be 22-23°C and 10-11°C respectively. Expected morning and evening relative humidity will be 47-59% and 18-22% respectively. Wind direction is mainly ENE with speed range of 5-6 kmph.
Warning:	<ul style="list-style-type: none"><li>Moderate to dense fog likely to occur at isolated places</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>			
Mustard	Vegetative	White rust/ Downey mildew	<ul style="list-style-type: none"> <li>Need-based foliar spray of Metalaxyl+Dithane M-45 @ 2.5g/lit at 15 days interval for management of White rust/Downy mildew in mustard</li> </ul>
Rice	Harvesting		<ul style="list-style-type: none"> <li>Sun-dry &amp; properly winnow the grains for safe storage.</li> <li>In case of rain delay harvesting</li> </ul>
Pea	Vegetative	Leaf eating insects	<ul style="list-style-type: none"> <li>Provide irrigation to plants</li> <li>Mulching with locally available materials like straw/dry grass to retain soil moisture</li> <li>Spray neem-based pesticides against leaf eating insects</li> </ul>
Maize	Harvesting	Rat	<ul style="list-style-type: none"> <li>Harvest mature cobs and dry properly before storing</li> <li>Use locally available traps to control rats menace</li> </ul>
<b>VEGETABLES</b>			
Potato	Vegetative	Red Ants/ Late blight/ Alternaria blight	<ul style="list-style-type: none"> <li>Weeding and application of fertilizer as per recommended doses is suggested in potato.</li> <li><b>Spray Indofil m-45 at regular interval of 7 days in potato/tomato against Alternaria blight</b></li> <li>Ridge should be properly made,</li> <li>Red Ants: - Drenching with Chlorpyrifos @ 2 ml per litre of water,</li> <li>Foliar spray of Dithane <a href="#">M-45@2.5g/litre</a> of water for management of potato late blight.</li> </ul>
Cabbage/ Cauliflower/ Knolkhol/ Others	Maturity	Leaf eating caterpillars/ Aphids	<ul style="list-style-type: none"> <li>Light irrigation is essential,</li> <li>In present weather conditions severe attack of leaf eating caterpillars has been reported. Spray Azadirachtin(0.015%) @6ml/litre of water when weather is clear.</li> <li>Spray with neem based pesticides against aphids</li> </ul>
<b>HORTICULTURAL CROPS</b>			
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>
Large Cardamom	Fruiting	Chirkey Disease	<ul style="list-style-type: none"> <li><b>Remove dry/diseased/old tillers &amp; branches &amp; spray Bio NPK @ 2ml/lit water for proper growth.</b></li> </ul>
Banana	All stages	Sigatoka Leaf spot	<ul style="list-style-type: none"> <li>One sword sucker may be allowed after shooting (Flowering),</li> <li>Periodical removal of side suckers by cutting them above the ground level, scoop the core and pour 2 ml of kerosene in the core,</li> <li>Foliar spray of Propiconazole (e.g., Tilt) @ 1 ml per litre of water</li> </ul>
Kiwi	Harvesting		<ul style="list-style-type: none"> <li>Should be harvested by snapping their stalks</li> <li>Fruit should be stored boxes containing cushioning materials and transported to the market in hard condition.</li> </ul>
<b>Honey Bees</b>			
Honey bees			<ul style="list-style-type: none"> <li>Cover the boxes with locally available dry grass or straw to provide warmth</li> </ul>
<b>LIVESTOCKS</b>			
Livestock	Stage	Disease	Precautionary Practices to be followed
<b>General</b>			
<ul style="list-style-type: none"> <li><b>Damaged grain (not fungus contaminated) to be diverted for Poultry/livestock feeding</b></li> <li><b>Clean drinking water should be ensured round the clock and water troughs/feeders should be regularly cleaned,</b></li> </ul>			
Pigs	All stages	FMD (high fever and appearance of mucous membrane of the mouth and foot.) Swine Fever	<ul style="list-style-type: none"> <li><b>Avoid dampness and cover weak and sick animals with sack cloth.</b></li> <li>Animals should be given lukewarm feed and water.</li> <li>Right time to deworm with anti helmetic drugs (particularly Tapeworms) viz. Fento Plus @ 1 tablet per 30 kg body weight.</li> <li>Provide proper bedding materials especially to new-born piglets and lukewarm food &amp; water</li> </ul>
Cattle	All stages	FMD	<ul style="list-style-type: none"> <li><b>Animals should be given lukewarm feed and water.</b></li> <li><b>Right time to deworm with anti helmetic drugs (particularly Tapeworms) viz. Fento Plus @ 1 tablet per 30</b></li> </ul>



			<b>kg body weight.</b> <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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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: 6<sup>th</sup> to 9<sup>th</sup> January 2018)

ग्रामीण कृषि मौसम सेवा



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

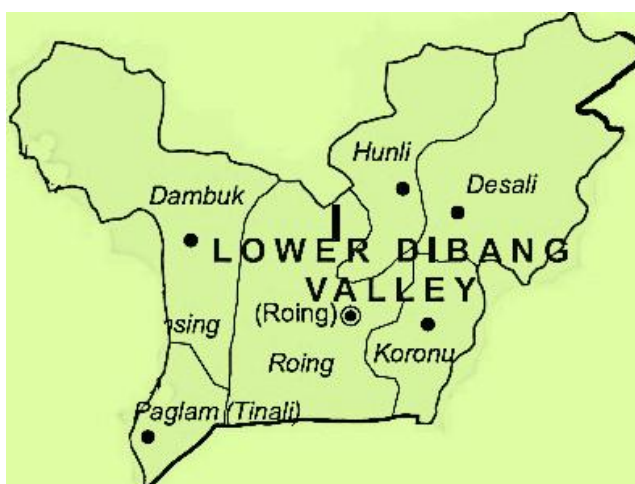


AMFU, ICAR Research Complex for NEH Region  
Arunachal Pradesh Centre, Basar-791101

**District: Lower Dibang Valley**

**No: AMFU-Basar/2018/02**

**Dated: Fri, 5<sup>th</sup> January 2018**



Weather summary of the previous week	Weather forecast valid up to 10 <sup>th</sup> Jan'2018
Rainfall = 0.0 mm (Roing)	<b>Generally clear/dry weather forecasted.</b> Daily maximum and minimum temperature for the following period is predicted to be 22-23°C and 10-11°C respectively. Expected morning and evening relative humidity will be 49-66% and 19-25% respectively. Wind direction is mainly S & SSE with speed range of 6 kmph.
<b>Warning:</b>	<b>• Moderate to dense fog likely to occur at isolated places</b>

### Weather Based Agro-meteorological Advisories Bulletin

#### General Recommendations

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

Crop	Stage	Pest/Disease	Precautionary Practices to be followed
<b>FIELD CROPS</b>			
Rice	Harvesting		<ul style="list-style-type: none"> <li>Sun-dry &amp; properly winnow the grains for safe storage.</li> </ul>
Mustard	Vegetative	White rust/ Downey mildew	<ul style="list-style-type: none"> <li>Need-based foliar spray of Metalaxyl+Dithane M-45 @ 2.5g/lit at 15 days interval for management of White rust/Downy mildew in mustard</li> </ul>
Pea	Vegetative	Leaf-eating insects	<ul style="list-style-type: none"> <li>Provide irrigation to plants</li> <li>Spray neem-based insecticides against leaf eating insects</li> </ul>
<b>VEGETABLES</b>			
Potato	Vegetative	Red Ants/ Late blight/ Alternaria blight	<ul style="list-style-type: none"> <li>Weeding and application of fertilizer as per recommended doses is suggested in potato.</li> <li>Spray Indofil m-45 at regular interval of 7 days in potato/tomato against Alternaria blight</li> <li>Ridge should be properly made,</li> <li>Red Ants: - Drenching with Chlorpyrifos @ 2 ml per litre of water,</li> <li>Foliar spray of Dithane <a href="#">M-45@2.5g/litre</a> of water for management of potato late blight.</li> </ul>
Cabbage/ Cauliflower/ Knolkhol/ Others	Maturity/ Harvesting	Leaf eating caterpillars/ Aphids	<ul style="list-style-type: none"> <li>Light irrigation is essential,</li> <li>In present weather conditions severe attack of leaf eating caterpillars has been reported. Spray Azadirachtin(0.015%) @ 6ml/litre of water when weather is clear.</li> <li>Spray with neem based pesticides against aphids</li> </ul>
<b>HORTICULTURAL CROPS</b>			
Large Cardamom	Fruiting	Chirkey Disease	<ul style="list-style-type: none"> <li>Remove dry/diseased/old tillers &amp; branches &amp; spray Bio NPK@ 2ml/lit water for proper growth.</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>Collect &amp; dispose rotten fallen fruits/ install fruit-fly traps</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	Multiple stages	Sigatoka Leaf spot	<ul style="list-style-type: none"> <li>One sword sucker may be allowed after shooting (Flowering),</li> <li>Periodical removal of side suckers by cutting them above the ground level, scoop the core and pour 2 ml of kerosene in the core,</li> <li>Foliar spray of Propiconazole (e.g., Tilt) @ 1 ml per litre of water</li> </ul>
<b>Honey Bees</b>			
Honey bees			<ul style="list-style-type: none"> <li>Box must be covered with straw/dry leaves to provide warmth</li> </ul>
<b>LIVESTOCKS</b>			
Livestock	Stage	Disease	Precautionary Practices to be followed
<b>General</b> <ul style="list-style-type: none"> <li>Damaged grain (not fungus contaminated) to be diverted for Poultry/livestock feeding</li> <li>Clean drinking water should be ensured round the clock and water troughs/feeders should be regularly cleaned,</li> </ul>			
Pigs	All stages	FMD (high fever and appearance of mucous membrane of the mouth and foot.) Swine Fever	<ul style="list-style-type: none"> <li>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>
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>Heavy mortality in cloven footed animals has been reported.</li> <li>Supportive treatment of infected animals under supervision of veterinary department officials,</li> <li>Avoid mixing of infected and healthy animals,</li> </ul>

			<ul style="list-style-type: none"><li>• Keep infected animals separated from the healthy ones,</li><li>• Vaccinate the healthy animals against FMD (Through State Veterinary Dept.)</li><li>• Provide feed supplements</li></ul>
Poultry	All stages		<ul style="list-style-type: none"><li>• Day old chick-Maintain warmth by lighting,</li><li>• In present weather conditions protect the birds from cold by using gunny bags/plastic sheets around the 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: 6<sup>th</sup> to 9<sup>th</sup> January 2018)

ग्रामीण कृषि मौसम सेवा

GRAMIN KRISHI MAUSAM SEWA

(Integrated Agro-Meteorological Advisory Services)



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

**District: Lower Subansiri**

**No: AMFU-Basar/2018/02**

**Dated: Fri, 5<sup>th</sup> January 2018**



Weather summary of the previous week	Weather forecast valid up to 10 <sup>th</sup> Jan'2018
Rainfall = NA	Generally clear/dry weather forecasted. Daily maximum and minimum temperature for the following period is predicted to be 23°C and 10-11°C respectively. Expected morning and evening relative humidity will be 64-81% and 29-40% respectively. Wind direction is mainly SE & SSE with speed range of 6 kmph.
Warning:	<ul style="list-style-type: none"><li>Moderate to dense fog likely to occur at isolated places</li></ul>

### Weather Based Agro-meteorological Advisories Bulletin

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

Crop	Stage	Pest/Disease	Precautionary Practices to be followed
<b>FIELD CROPS</b>			
Pea	Sowing		<ul style="list-style-type: none"> <li>Treat pea with rhizobium@2gm/kg seed before sowing or treat with carbendazim @ 2g/kg seed before sowing</li> <li>Provide irrigation to plants</li> <li>Complete sowing by 1<sup>st</sup> fortnight of Nov. for better yield</li> </ul>
Soybean	Harvesting		<ul style="list-style-type: none"> <li>Immediately harvest soybean &amp; thoroughly dry in sun.</li> </ul>
Rice	Maturity/ Harvesting	Gundhi bug/ leaf folder/ rice skipper	<ul style="list-style-type: none"> <li><b>harvest the mature crop</b></li> <li><b>proper sun-drying before storag</b></li> </ul>
Maize	Harvesting	Rat	<ul style="list-style-type: none"> <li>Harvest mature cobs and dry properly before storing</li> <li>Use locally available traps to control rats menace</li> </ul>
<b>VEGETABLES</b>			
Potato	Vegetative	Red Ants/ Late blight/ Alternaria blight	<ul style="list-style-type: none"> <li>Weeding and application of fertilizer as per recommended doses is suggested in potato.</li> <li><b>Spray Indofil m-45 at regular interval of 7 days in potato/tomato against Alternaria blight</b></li> <li>Ridge should be properly made,</li> <li>Red Ants: - Drenching with Chlorpyriphos @ 2 ml per litre of water,</li> <li>Foliar spray of Dithane <a href="#">M-45@2.5g/litre</a> of water for management of potato late blight.</li> </ul>
Cabbage/ Cauliflower/ Knolkhol/ Others	Maturity/ Harvesting	Leaf eating caterpillars/ Aphids	<ul style="list-style-type: none"> <li>Light irrigation is essential,</li> <li>In present weather conditions severe attack of leaf eating caterpillars has been reported. Spray Azadirachtin(0.015%) @6ml/litre of water when weather is clear.</li> <li>Spray with neem based pesticides against aphids</li> </ul>
<b>HORTICULTURAL CROPS</b>			
Banana	Bunching	Cold	<ul style="list-style-type: none"> <li>Cover newly emerged bunches with locally available sack to protect from cold/frost</li> <li><b>Mulching with straw/crop residue at root zone to avoid frost injury in banana.</b></li> </ul>
Temperate fruits	After harvesting		<ul style="list-style-type: none"> <li>Training &amp; pruning of the temperate crops (apple/pears/peach) is recommended</li> </ul>
Citrus	Maturity/ harvesting	Fruit Drop Fruit Fly Gummosis	<ul style="list-style-type: none"> <li>Harvest the mature fruit with stalk and store in dry places.</li> <li><b>Collect &amp; dispose rotten fallen fruits/ install fruit-fly traps</b></li> <li><b>Dead wood pruning may be done after harvesting of crop followed by spraying of fungicide, Carbendazim @ 1gm/lit of water.</b></li> <li><b>Breakdown the soil collected around the tree trunk</b></li> </ul>
Pineapple	Sowing		<ul style="list-style-type: none"> <li>Clean the vicinity of plants by weeding and loosen up the soil.</li> <li>Remove sly and use it as a new planting material.</li> <li>Sucker dipping treatment with Bavistin @ 3g + Chlorpyriphos 20EC@ 2ml/lt of water to protect against soil borne disease and insect.</li> </ul>
<b>Agroforestry</b>			
Toko palm	Nursery		Filling of nursery polybags for raising of takopalm seedlings
<b>Honey Bees</b>			
Honey bees			<ul style="list-style-type: none"> <li>Box must be covered with straw/dry leaves to provide warmth</li> </ul>
<b>LIVESTOCKS</b>			
Livestock	Stage	Disease	Precautionary Practices to be followed
<b>General</b>			
<ul style="list-style-type: none"> <li><b>Damaged grain (not fungus contaminated) to be diverted for Poultry/livestock feeding</b></li> <li><b>Clean drinking water should be ensured round the clock and water troughs/feeders should be regularly cleaned,</b></li> </ul>			
Pigs	All stages	FMD (high fever and appearance of mucous membrane of the mouth and foot.) Swine Fever	<ul style="list-style-type: none"> <li><b>Avoid dampness and cover weak and sick animals with sack cloth.</b></li> <li>Animals should be given lukewarm feed and water.</li> <li>Right time to deworm with anti helmetic drugs (particularly Tapeworms) viz. Fento Plus @ 1 tablet per 30 kg body weight.</li> <li>Provide proper bedding materials especially to new-born piglets and lukewarm food &amp; water</li> </ul>



Cattle	All stages	FMD	<ul style="list-style-type: none"><li>• <b>Animals should be given lukewarm feed and water.</b></li><li>• <b>Right time to deworm with anti helmetic drugs (particularly Tapeworms) viz. Fento Plus @ 1 tablet per 30 kg body weight.</b></li><li>• Provide proper bedding materials especially to new-born and lukewarm food &amp; water</li><li>• Heavy mortality in cloven footed animals has been reported.</li><li>• Supportive treatment of infected animals under supervision of 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: 6<sup>th</sup> to 9<sup>th</sup> January 2018)

ग्रामीण कृषि मौसम सेवा

GRAMIN KRISHI MAUSAM SEWA

(Integrated Agro-Meteorological Advisory Services)



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

**District: Papum Pare**

No: AMFU-Basar/2018/02

Dated: Fri, 5<sup>th</sup> January 2018



Weather summary of the previous week	Weather forecast valid up to 10 <sup>th</sup> Jan'2018
Rainfall: 0.5 mm; T. Max: 27.0°C; T. Min: 12.0°C ; RH: 57-82%	<b>Generally clear/dry weather forecasted.</b> Daily maximum and minimum temperature for the following period is predicted to be 25-26C and 13-15°C respectively. Expected morning and evening relative humidity will be 63-85% and 25-39% respectively. Expected wind direction mainly WNW 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

- 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>			
Mustard	Vegetative	White rust/ Downey mildew	<ul style="list-style-type: none"> <li>Need-based foliar spray of Metalaxyl+Dithane M-45 @ 2.5g/lit at 15 days interval for management of White rust/Downy mildew in mustard</li> </ul>
Rice	Harvesting		<ul style="list-style-type: none"> <li>Sun-dry &amp; properly winnow the grains for safe storage.</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>
Pea	Vegetative	Leaf-eating insects	<ul style="list-style-type: none"> <li>Provide irrigation to plants</li> <li>Spray neem-based insecticides against leaf eating insects</li> </ul>
Maize	Harvesting	Rat	<ul style="list-style-type: none"> <li>Harvest mature cobs and dry properly before storing</li> <li>Use locally available traps to control rats menace</li> </ul>
<b>VEGETABLES</b>			
Potato	Vegetative	Red Ants/ Late blight/ Alternaria blight	<ul style="list-style-type: none"> <li>Weeding and application of fertilizer as per recommended doses is suggested in potato.</li> <li><b>Spray Indofil m-45 at regular interval of 7 days in potato/tomato against Alternaria blight</b></li> <li>Ridge should be properly made,</li> <li>Red Ants: - Drenching with Chlorpyrifos @ 2 ml per litre of water,</li> <li>Foliar spray of Dithane <a href="#">M-45@2.5g/litre</a> of water for management of potato late blight.</li> </ul>
Cabbage/ Cauliflower/ Knolkhol/ Others	Maturity/ Harvesting	Leaf eating caterpillars/ Aphids	<ul style="list-style-type: none"> <li>Light irrigation is essential,</li> <li>In present weather conditions severe attack of leaf eating caterpillars has been reported. Spray Azadirachtin(0.015%) @6ml/litre of water when weather is clear.</li> <li>Spray with neem based pesticides against aphids</li> </ul>
<b>HORTICULTURAL CROPS</b>			
Large Cardamom	Fruiting	Chirkey Disease	<ul style="list-style-type: none"> <li><b>Remove dry/diseased/old tillers &amp; branches &amp; spray Bio NPK@ 2ml/lit water for proper growth.</b></li> </ul>
Citrus	Maturity/ harvesting	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>
Banana	Multiple stages	Sigatoka Leaf spot	<ul style="list-style-type: none"> <li>One sword sucker may be allowed after shooting (Flowering),</li> <li>Periodical removal of side suckers by cutting them above the ground level, scoop the core and pour 2 ml of kerosene in the core,</li> <li>Foliar spray of Propiconazole (e.g., Tilt) @ 1 ml per litre of water</li> </ul>
<b>Honey Bees</b>			
Honey bees			<ul style="list-style-type: none"> <li>Box must be covered with straw/dry leaves to provide warmth</li> </ul>
<b>LIVESTOCKS</b>			
Livestock	Stage	Disease	Precautionary Practices to be followed
<b>General</b>			
<ul style="list-style-type: none"> <li><b>Damaged grain (not fungus contaminated) to be diverted for Poultry/livestock feeding</b></li> <li><b>Clean drinking water should be ensured round the clock and water troughs/feeders should be regularly cleaned,</b></li> </ul>			
Goat	All stages		<ul style="list-style-type: none"> <li>Deworming for gastrointestinal parasite</li> </ul>
Pigs	All stages	FMD (high fever and appearance of mucous membrane of the mouth and foot.) Swine Fever	<ul style="list-style-type: none"> <li><b>Avoid dampness and cover weak and sick animals with sack cloth.</b></li> <li>Animals should be given lukewarm feed and water.</li> <li>Right time to deworm with anti helmetic drugs (particularly Tapeworms) viz. Fento Plus @ 1 tablet per 30 kg body weight.</li> <li>Provide proper bedding materials especially to new-born piglets and lukewarm food &amp; water</li> </ul>
Fishery			<ul style="list-style-type: none"> <li><b>Keep fish stocking 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</b></li> </ul>

			<b>kg body weight.</b> <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>
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></ul> <b>In present weather conditions vaccinate against swine fever (Vaccines available in State Veterinary Depts),</b>
<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: 6<sup>th</sup> to 9<sup>th</sup> January 2018)

ग्रामीण कृषि मौसम सेवा

GRAMIN KRISHI MAUSAM SEWA

(Integrated Agro-Meteorological Advisory Services)



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

**District: Tawang**

No: AMFU-Basar/2018/02

Dated: Fri, 5<sup>th</sup> January 2018



Weather summary of the previous week	Weather forecast valid up to 10 <sup>th</sup> Jan'2018
Rainfall = 0.0 mm	Generally clear/dry weather forecasted. Daily maximum and minimum temperature for the following period is predicted to be 09-10°C and -2-(-3)°C respectively. Expected morning and evening relative humidity will be 33-62% and 03-63% respectively. Wind direction is mainly SE & WSW with probable speed range of 6-9 kmph.
Warning:	• Moderate to dense fog likely to occur at 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
- All spraying operation should be done only on dry/clear weather
- Go for low cost polyhouses for year round cultivation of vegetables
- Obtain seeds from reputed/certified/reliable source
- Use fertilizers/pesticides as per recommended doses for the location
- Preference must be given on use of organic manures/bio-fertilizers & bio-pesticides
- ICAR Basar recommend poultry variety VANARAJA for backyard rearing

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



			Veterinary Dept.) <ul style="list-style-type: none"><li>• Provide feed supplements</li></ul>
Poultry	All stages		<ul style="list-style-type: none"><li>• Day old chick-Maintain warmth by lighting,</li><li>• In present weather conditions protect the birds from cold by using gunny bags/plastic sheets around the poultryshed during night,</li><li>• Provide heat by lighting 100W bulb @ 1 bulb per 20 newly born chicks.</li></ul>
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: 6<sup>th</sup> to 9<sup>th</sup> January 2018)

ग्रामीण कृषि मौसम सेवा



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



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

**District: Tirap**

**No: AMFU-Basar/2018/02**

**Dated: Fri, 5<sup>th</sup> January 2018**



Weather summary of the previous week	Weather forecast valid up to 10 <sup>th</sup> Jan'2018
Rainfall = 8.0 mm	Mostly sunny with no possibility of rain. Daily maximum and minimum temperature for the following period is predicted to be 23-25°C and 13-14°C respectively. Expected morning and evening relative humidity will be 85-100% and 27-39% respectively. Wind direction is mainly ESE with speed range of 2-6 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

- 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>			
Rice	Harvesting		<ul style="list-style-type: none"> <li>Sun-dry &amp; properly winnow the grains for safe storage.</li> <li>In case of rain delay harvesting</li> </ul>
Mustard	Vegetative	White rust/ Downey mildew	<ul style="list-style-type: none"> <li>Need-based foliar spray of Metalaxyl+Dithane M-45 @ 2.5g/lit at 15 days interval for management of White rust/Downy mildew in mustard</li> </ul>
Pea	Vegetative	Cut-worm	<ul style="list-style-type: none"> <li>Regular monitoring of crop against attack of cutworm is advised,</li> <li>Spray neem-based insecticides against leaf eating insects</li> </ul>
<b>VEGETABLES</b>			
Potato	Vegetative	Red Ants/ Late blight/ Alternaria blight	<ul style="list-style-type: none"> <li>Weeding and application of fertilizer as per recommended doses is suggested in potato.</li> <li><b>Spray Indofil m-45 at regular interval of 7 days in potato/tomato against Alternaria blight</b></li> <li>Ridge should be properly made,</li> <li>Red Ants: - Drenching with Chlorpyrifos @ 2 ml per litre of water,</li> <li>Foliar spray of Dithane <a href="#">M-45@2.5g/litre</a> of water for management of potato late blight.</li> </ul>
Cabbage/ Cauliflower/ Knolkhol/ Others	Maturity/ Harvesting	Leaf eating caterpillars/ Aphids	<ul style="list-style-type: none"> <li>Light irrigation is essential,</li> <li>In present weather conditions severe attack of leaf eating caterpillars has been reported. Spray Azadirachtin(0.015%) @6ml/litre of water when weather is clear.</li> <li>Spray with neem based pesticides against aphids</li> </ul>
<b>HORTICULTURAL CROPS</b>			
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>
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</li> </ul>
<b>Honey Bees</b>			
			<ul style="list-style-type: none"> <li>Box must be covered with straw/dry leaves to provide warmth</li> </ul>
<b>LIVESTOCKS</b>			
Livestock	Stage	Disease	Precautionary Practices to be followed
<b>General</b>			
<ul style="list-style-type: none"> <li><b>Damaged grain (not fungus contaminated) to be diverted for Poultry/livestock feeding</b></li> <li><b>Clean drinking water should be ensured round the clock and water troughs/feeders should be regularly cleaned,</b></li> </ul>			
Pigs	All stages	FMD (high fever and appearance of mucous membrane of the mouth and foot.) Swine Fever	<ul style="list-style-type: none"> <li><b>Avoid dampness and cover weak and sick animals with sack cloth.</b></li> <li>Animals should be given lukewarm feed and water.</li> <li>Right time to deworm with anti helmetic drugs (particularly Tapeworms) viz. Fento Plus @ 1 tablet per 30 kg body weight.</li> <li>Provide proper bedding materials especially to new-born piglets and lukewarm food &amp; water</li> </ul>
Cattle	All stages	FMD	<ul style="list-style-type: none"> <li><b>Animals should be given lukewarm feed and water.</b></li> <li><b>Right time to deworm with anti helmetic drugs (particularly Tapeworms) viz. Fento Plus @ 1 tablet per 30 kg body weight.</b></li> <li>Provide proper bedding materials especially to new-born and lukewarm food &amp; water</li> <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>
Pigs	All stages	FMD (high fever and appearance of mucous membrane of the mouth and foot.) Swine Fever	<ul style="list-style-type: none"><li>• Iron injection within 10 days of birth is advised to newly born piglets if they are kept in confined system</li><li>• Deworm with anti helmetic drugs (particularly Tapeworms) viz. Fento Plus @ 1 tablet per 30 kg body weight</li><li>• <b>In present weather conditions vaccinate against swine fever (Vaccines available in State Veterinary Depts),</b></li></ul>
<b>Contact Scientists (ICAR) or State Agril Staff or KVK staff for measures against adverse conditions or call at 03795-226237/226247</b>			

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Agrometeorological Field Unit  
ICAR, BASAR

# कृषि मौसम सलाहकार सेवा पत्रिका

## Agro-met Advisory Bulletin

(Period: 6<sup>th</sup> to 9<sup>th</sup> January 2018)

ग्रामीण कृषि मौसम सेवा

GRAMIN KRISHI MAUSAM SEWA

(Integrated Agro-Meteorological Advisory Services)



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

**District: Upper Siang**

**No: AMFU-Basar/2018/02**

**Dated: Fri, 5<sup>th</sup> January 2018**



Weather summary of the previous week	Weather forecast valid up to 10 <sup>th</sup> Jan'2018
Rainfall = 16.4 mm	<b>Mostly sunny to partly cloudy with possibility of very light rain.</b> Daily maximum and minimum temperature for the following period is predicted to be 17-18°C and 07-09°C respectively. Expected morning and evening relative humidity will be 48-62% and 21-38% respectively. Wind direction is mainly NE with speed range of 5-8 kmph.
<b>Warning:</b>	<b>• Moderate to dense fog likely to occur at isolated places</b>

### Weather Based Agro-meteorological Advisories Bulletin

#### General Recommendations

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

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



			<ul style="list-style-type: none"><li>• Avoid mixing of infected and healthy animals,</li><li>• Keep infected animals separated from the healthy ones,</li><li>• Vaccinate the healthy animals against FMD (Through State Veterinary Dept.)</li><li>• Provide feed supplements</li></ul>
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: 6<sup>th</sup> to 9<sup>th</sup> January 2018)

ग्रामीण कृषि मौसम सेवा



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

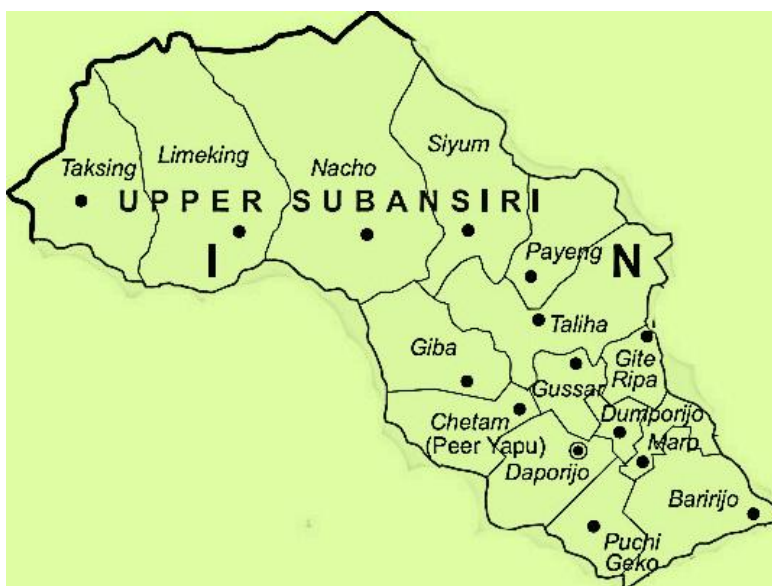


AMFU, ICAR Research Complex for NEH Region  
Arunachal Pradesh Centre, Basar-791101

**District: Upper Subansiri**

No: AMFU-Basar/2018/02

Dated: Fri, 5<sup>th</sup> January 2018



Weather summary of the previous week	Weather forecast valid up to 10 <sup>th</sup> Jan'2018
Daporijo: 0.0 mm	Mostly sunny with no possibility of rain. Daily maximum and minimum temperature for the following period is predicted to be 23°C and 10-11°C respectively. Expected morning and evening relative humidity will be 55-74% and 29-46% respectively. Expected wind direction is mainly SSE & SE with speed range of 4-6 kmph.
<b>Warning</b>	<ul style="list-style-type: none"><li>Moderate to dense fog likely to occur at isolated places</li></ul>

### Weather Based Agro-meteorological Advisories Bulletin

- Disinfecting the animal/bird sheds with lime powder/ bleaching powder/ 4%NaOH at regular interval is advocated
- 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			
Mustard	Vegetative	White rust/ Downey mildew	<ul style="list-style-type: none"> <li>Need-based foliar spray of Metalaxyl+Dithane M-45 @ 2.5g/lit at 15 days interval for management of White rust/Downy mildew in mustard</li> </ul>
Rice	Harvesting		<ul style="list-style-type: none"> <li>Sun-dry &amp; properly winnow the grains for safe storage.</li> </ul>
Pea	Sowing		<ul style="list-style-type: none"> <li>Treat pea with rhizobium@2gm/kg seed before sowing or treat with carbendazim @ 2g/kg seed before sowing</li> <li>Provide irrigation to plants</li> <li>Complete sowing by 1<sup>st</sup> fortnight of Nov. for better yield</li> </ul>
VEGETABLES			
Potato	Vegetative	Red Ants/ Late blight/ Alternaria blight	<ul style="list-style-type: none"> <li>Weeding and application of fertilizer as per recommended doses is suggested in potato.</li> <li><b>Spray Indofil m-45 at regular interval of 7 days in potato/tomato against Alternaria blight</b></li> <li>Ridge should be properly made,</li> <li>Red Ants: - Drenching with Chlorpyrifos @ 2 ml per litre of water,</li> <li>Foliar spray of Dithane <a href="#">M-45@2.5g/litre</a> of water for management of potato late blight.</li> </ul>
Cabbage/ Cauliflower/ Knolkhol/ Others	Maturity	Leaf eating caterpillars/ Aphids	<ul style="list-style-type: none"> <li>Light irrigation is essential,</li> <li>In present weather conditions severe attack of leaf eating caterpillars has been reported. Spray Azadirachtin(0.015%) @6ml/litre of water when weather is clear.</li> <li>Spray with neem based pesticides against aphids</li> </ul>
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> </ul>
Large Cardamom	Fruiting	Chirkey Disease	<ul style="list-style-type: none"> <li><b>Remove dry/diseased/old tillers &amp; branches &amp; spray Bio NPK@ 2ml/lit water for proper growth.</b></li> </ul>
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>
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>
Pigs	All stages	FMD (high fever and appearance of mucous membrane of the mouth and foot.) Swine Fever	<ul style="list-style-type: none"> <li><b>Avoid dampness and cover weak and sick animals with sack cloth.</b></li> <li>Animals should be given lukewarm feed and water.</li> <li>Right time to deworm with anti helmetic drugs (particularly Tapeworms) viz. Fento Plus @ 1 tablet per 30 kg body weight.</li> <li>Provide proper bedding materials especially to new-born piglets and lukewarm food &amp; water</li> </ul>
Cattle	All stages	FMD	<ul style="list-style-type: none"> <li><b>Animals should be given lukewarm feed and water.</b></li> <li><b>Right time to deworm with anti helmetic drugs (particularly Tapeworms) viz. Fento Plus @ 1 tablet per 30</b></li> </ul>

			<b>kg body weight.</b> <ul style="list-style-type: none"><li>• Provide proper bedding materials especially to new-born and lukewarm food &amp; water</li><li>• Heavy mortality in cloven footed animals has been reported.</li><li>• Supportive treatment of infected animals under supervision of veterinary department officials,</li><li>• Avoid mixing of infected and healthy animals,</li><li>• Keep infected animals separated from the healthy ones,</li><li>• Vaccinate the healthy animals against FMD (Through State Veterinary Dept.)</li><li>• Provide feed supplements</li></ul>
Mithun		FMD	<ul style="list-style-type: none"><li>• Polyvalent FMD vaccine with serotype O, A and Asia at 6 months of age and repeat after that 6 months interval by sub-cutaneous route.</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: 6<sup>th</sup> to 9<sup>th</sup> January 2018)

ग्रामीण कृषि मौसम सेवा



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



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

**District: West Kameng**

**No: AMFU-Basar/2018/02**

**Dated: Fri, 5<sup>th</sup> January 2018**



Weather summary of the previous week	Weather forecast valid up to 10 <sup>th</sup> Jan'2018
Rainfall = Bomdila: 0.0 ; Bhalukpong: 0.0 mm	<b>Generally clear/dry weather forecasted.</b> Daily maximum and minimum temperature for the following period is predicted to be 17-18°C and 08-09°C respectively. Expected morning and evening relative humidity will be 76-88% and 22-41% respectively. Wind direction variable NNW 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
<b>FIELD CROPS</b>			
Rice	Harvesting		<ul style="list-style-type: none"> <li>Sun-dry &amp; properly winnow the grains for safe storage.</li> <li>In case of rain delay harvesting</li> </ul>
Maize	Harvesting	Rat	<ul style="list-style-type: none"> <li>Harvest mature cobs and dry properly before storing</li> <li>Use locally available traps to control rats menace</li> </ul>
Pea	Vegetative		<ul style="list-style-type: none"> <li>Provide irrigation to plants</li> <li>Weeding advocated</li> </ul>
<b>VEGETABLES</b>			
Potato	Vegetative	Red Ants/ Late blight/ Alternaria blight	<ul style="list-style-type: none"> <li>Weeding and application of fertilizer as per recommended doses is suggested in potato.</li> <li><b>Spray Indofil m-45 at regular interval of 7 days in potato/tomato against Alternaria blight</b></li> <li>Ridge should be properly made,</li> <li>Red Ants: - Drenching with Chlorpyriphos @ 2 ml per litre of water,</li> <li>Foliar spray of Dithane <a href="#">M-45@2.5g/litre</a> of water for management of potato late blight.</li> </ul>
Cabbage/ Cauliflower/ Knolkhol/ Others	Maturity/ Harvesting	Leaf eating caterpillars/ Aphids	<ul style="list-style-type: none"> <li>Light irrigation is essential,</li> <li>In present weather conditions severe attack of leaf eating caterpillars has been reported. Spray Azadirachtin(0.015%) @6ml/litre of water when weather is clear.</li> <li>Spray with neem based pesticides against aphids</li> </ul>
<b>HORTICULTURAL CROPS</b>			
Temperate fruits	After harvesting		<ul style="list-style-type: none"> <li>Training &amp; pruning of the temperate crops (apple/pears/peach) is recommended</li> </ul>
Banana	Bunching	Cold	<ul style="list-style-type: none"> <li>Cover newly emerged bunches with locally available sack to protect from cold/frost</li> <li><b>Mulching with straw/crop residue at root zone to avoid frost injury in banana.</b></li> </ul>
Citrus	Maturity/ harvesting	Fruit Drop Fruit Fly Gummosis	<ul style="list-style-type: none"> <li>Harvest the mature fruit with stalk and store in dry places.</li> <li><b>Collect &amp; dispose rotten fallen fruits/ install fruit-fly traps</b></li> <li><b>Dead wood pruning may be done after harvesting of crop followed by spraying of fungicide, Carbendazim @ 1gm/lit of water.</b></li> <li><b>Breakdown the soil collected around the tree trunk</b></li> </ul>
Pineapple	Sowing		<ul style="list-style-type: none"> <li>Clean the vicinity of plants by weeding and loosen up the soil.</li> <li>Remove sly and use it as a new planting material.</li> <li>Sucker dipping treatment with Bavistin @ 3g + Chlorpyriphos 20EC@ 2ml/lt of water to protect against soil borne disease and insect.</li> </ul>
Orchards			<ul style="list-style-type: none"> <li>Prepare half moon terraces in fruit crops (orange/banana/apple/peach) grown in steep slopes to prevent nutrient loss during heavy downpour.</li> <li>Follow proper drainage and earthing up practices in low land/plain areas to avoid water stagnation in fruit orchards</li> </ul>
<b>Honey Bees</b>			
Honey bees			<ul style="list-style-type: none"> <li>Provide sugar syrup near the box</li> <li>Add insulation and ventilation systems</li> </ul>
<b>LIVESTOCKS</b>			
Livestock	Stage	Disease	Precautionary Practices to be followed
<b>General</b>			
<ul style="list-style-type: none"> <li>Damaged grain (not fungus contaminated) to be diverted for Poultry/livestock feeding</li> <li>Clean drinking water should be ensured round the clock and water troughs/feeders should be regularly cleaned,</li> </ul>			
Fishery			<ul style="list-style-type: none"> <li><b>Keep fish stoking density thin @1200/ha</b></li> </ul>
Pigs	All stages	FMD (high fever and appearance of mucous membrane of the mouth and foot.) Swine Fever	<ul style="list-style-type: none"> <li><b>Avoid dampness and cover weak and sick animals with sack cloth.</b></li> <li>Animals should be given lukewarm feed and water.</li> <li>Right time to deworm with anti helmetic drugs (particularly Tapeworms) viz. Fento Plus @ 1 tablet per 30 kg body weight.</li> <li>Provide proper bedding materials especially to new-born piglets and lukewarm food &amp; water</li> </ul>



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

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

Agrometeorological Field Unit  
ICAR, BASAR

# कृषि मौसम सलाहकार सेवा पत्रिका Agro-met Advisory Bulletin

(Period: 6<sup>th</sup> to 9<sup>th</sup> January 2018)

ग्रामीण कृषि मौसम सेवा



**GRAMIN KRISHI MAUSAM SEWA**  
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Arunachal Pradesh Centre, Basar-791101

**District: West Siang**

**No: AMFU-Basar/2018/02**

**Dated: Fri, 5<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 10 <sup>th</sup> Jan'2018
<b>Basar:</b> Rainfall = 0.0 mm. T. Max: 22.0°C, T. Min: 5.2°C, RH: 56-91%, Wind Speed: 3-5 kmph, Wind Direction: NE	<b>Mostly sunny to partly cloudy with no possibility of rain.</b> Daily maximum and minimum temperature for the following period is predicted to be 24-25°C and 11-13°C respectively. Expected morning and evening relative humidity will be 48-59% and 23-36% respectively. Wind direction is mainly variable with speed range of 3-6 kmph.
<b>Warning:</b>	<b>Moderate to dense fog likely to occur at isolated places</b>

## Weather Based Agro-meteorological Advisories Bulletin

### General Recommendations

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

Crop	Stage	Pest/Disease	Precautionary Practices to be followed
<b>FIELD CROPS</b>			
Rice	Harvesting		<ul style="list-style-type: none"> <li>Sun-dry &amp; properly winnow the grains for safe storage.</li> <li>In case of rain delay harvesting</li> </ul>
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>
Pea	Vegetative	Leaf eating insects	<ul style="list-style-type: none"> <li>Provide irrigation to plants</li> <li>Mulching with locally available materials like straw/dray grass to retain soil moisture</li> <li>Spray neem-based pesticides against leaf eating insects</li> </ul>
Mustard	Vegetative	White rust/Downey mildew	<ul style="list-style-type: none"> <li>Need-based foliar spray of Metalaxyl+Dithane M-45 @ 2.5g/lit at 15 days interval for management of White rust/Downy mildew in mustard</li> </ul>
<b>VEGETABLES</b>			
Potato	Vegetative	Red Ants/ Late blight/ Alternaria blight	<ul style="list-style-type: none"> <li>Weeding and application of fertilizer as per recommended doses is suggested in potato.</li> <li><b>Spray Indofil m-45 at regular interval of 7 days in potato/tomato against Alternaria blight</b></li> <li>Ridge should be properly made,</li> <li>Red Ants: - Drenching with Chlorpyrifos @ 2 ml per litre of water,</li> <li>Foliar spray of Dithane <a href="#">M-45@2.5g/litre</a> of water for management of potato late blight.</li> </ul>
Cabbage/ Cauliflower/ Knolkhol/ Others	Maturity	Leaf eating caterpillars/ Aphids	<ul style="list-style-type: none"> <li>Light irrigation is essential,</li> <li>In present weather conditions severe attack of leaf eating caterpillars has been reported. Spray Azadirachtin(0.015%) @6ml/litre of water when weather is clear.</li> <li>Spray with neem based pesticides against aphids</li> </ul>
<b>HORTICULTURAL CROPS</b>			
Banana	Bunching	Cold	<ul style="list-style-type: none"> <li>Cover newly emerged bunches with locally available sack to protect from cold/frost</li> <li><b>Mulching with straw/crop residue at root zone to avoid frost injury in banana.</b></li> </ul>
Temperate fruits	After harvesting		<ul style="list-style-type: none"> <li>Training &amp; pruning of the temperate crops (apple/pears/peach) is recommended</li> </ul>
Large Cardamom	Fruiting	Chirkey Disease	<ul style="list-style-type: none"> <li><b>Remove dry/diseased/old tillers &amp; branches &amp; spray Bio NPK @ 2ml/lit water for proper growth.</b></li> </ul>
Citrus	Maturity/ harvesting	Fruit Drop Fruit Fly Gummosis	<ul style="list-style-type: none"> <li>Harvest the mature fruit with stalk and store in dry places.</li> <li><b>Collect &amp; dispose rotten fallen fruits/ install fruit-fly traps</b></li> <li><b>Dead wood pruning may be done after harvesting of crop followed by spraying of fungicide, Carbendazim @ 1gm/lit of water.</b></li> <li><b>Breakdown the soil collected around the tree trunk</b></li> </ul>
<b>Honey Bees</b>			
Honey bees			<ul style="list-style-type: none"> <li>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>			
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