

# कृषि मौसम सलाहकार सेवा पत्रिका

## Agro-met Advisory Bulletin

(Period: 20<sup>th</sup> to 23<sup>rd</sup> December, 2016)

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: Anjaw**

No: 102/2015-16/Tue

Dated: 20<sup>th</sup> Dec., 2016



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

Weather summary of the previous week	Weather forecast valid up to 23 <sup>rd</sup> Dec., 2016
Rainfall = NA	Generally clear/dry weather forecasted. Max Temp=14°C and Min Temp=0°C, RH=12-77%, Wind Speed=6-9 kmph, Wind direction: ESE
<b>Warning:</b>	<b>NIL</b>

### Weather Based Agro-meteorological Advisories Bulletin

#### General Recommendations

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

Crop	Stage	Pest/Disease	Precautionary Practices to be followed
<b>FIELD CROPS</b>			
Wetland Rice	Harvesting		<ul style="list-style-type: none"> <li>Proper sundry before storing</li> </ul>
Potato	vegetative		<ul style="list-style-type: none"> <li>Weeding and application of fertilizer as per recommended doses is suggested in potato.</li> <li>Soil moisture conservation techniques like mulching with crop residue and provide life saving irrigation to the crops recommended.</li> </ul>
Pea	Vegetative	Powdery mildew	<ul style="list-style-type: none"> <li>Soil moisture conservation techniques like mulching with crop residue and provide life saving irrigation to the crops recommended.</li> <li>Foliar spray of urea@2% for moisture stress</li> <li>Stacking may be carried out</li> </ul>
Black Gram & Green Gram	Vegetative		<ul style="list-style-type: none"> <li>Life saving irrigation and mulching recommended</li> </ul>
Mustard/rapeseed	Vegetative	White Rust Alternaria blight Aphids	<ul style="list-style-type: none"> <li>Soil moisture conservation techniques like mulching with crop residue and provide life saving irrigation to the crops recommended.</li> <li>Spray <a href="#">Blitox@0.25%</a> at 10-15 days interval</li> <li>Spray <a href="#">Indofilm-45@2.5g/l</a> as preventive measure against alternaria blight and dimethoate 30 EC@3ml/lit for aphid in mustard.</li> </ul>
<b>VEGETABLES</b>			
Winter vegetables/ rabi crops	Seedling/vegetative	Cut worm/ leaf eating insects	<ul style="list-style-type: none"> <li>Life saving irrigation and mulching</li> <li>Spray Azadirachtin 0.15% EC 2@ 6ml/lit against leaf eating insects in vegetables</li> </ul>
Cabbage/Cauliflower	Vegetative	Nutritional Deficiency	<ul style="list-style-type: none"> <li>Life saving irrigation and mulching recommended</li> <li>Spray micronutrients like <a href="#">Multiplex or Tracel @0.2%</a></li> <li>Azadirachtin 0.03% (neem oil based WSP) @ 5lit/1000lit water/ha against Aphids, DBM, Cabbage Worm, Cabbage looper etc</li> </ul>
<b>HORTICULTURAL CROPS</b>			
Citrus	Fruiting	Trunk borer, Fruit fly / pre-harvest fruit drop/ leaf miner	<ul style="list-style-type: none"> <li>Collect and dispose rotten fruits</li> <li>Spray micronutrient like Multiplex@ 0.2% to compensate nutritional deficiency in orange.</li> <li>Do drenching with 0.05% <i>Dichlorvos</i> at base of plant for rectification of trunk-borer.</li> <li>On sunny day spray Spinosad 2.5 sc@ 2ml/10 lit of water.</li> <li>Spray NAA@2ml/5lit of water to prevent pre-harvest fruit drop</li> <li>Install fruit fly traps</li> <li>Need based foliar spray of Cypermethrin@4g/10ml against leaf miner.</li> </ul>
Large Cardamom	Vegetative		<ul style="list-style-type: none"> <li>Remove dry, diseased and old tillers and branches and spray Bio NPK@2ml/lit water for proper growth</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>
Peach	Vegetative		<ul style="list-style-type: none"> <li>Training/Pruning to be followed by cutting away all diseased and criss-cross branches following open centre system to harvest more solar energy.</li> </ul>
<b>AGROFORESTRY</b>			
			<ul style="list-style-type: none"> <li></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>

LIVESTOCKS			
Livestock	Stage	Disease	Precautionary Practices to be followed
Pigs	All stages		<ul style="list-style-type: none"><li>• Deworming and vaccination as per recommended schedule.</li><li>• Provide adequate bedding material (paddy straw, rice husk) to newly born piglets.</li></ul>
Poultry	All stages		<ul style="list-style-type: none"><li>• Provide proper bedding materials (Straw, rice husk etc)</li><li>• Deworming at regular interval</li><li>• Provide warmth@ 2 watt/chick</li><li>• Close ventilation and openings in houses</li></ul>
Fishery			<ul style="list-style-type: none"><li>• Check the growth of the fishes by netting.</li></ul>
Cattle/Mithun	All stages	FMD	<ul style="list-style-type: none"><li>• Deworming with anthelmintic drugs like oxclozanide or pyrantel.</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: 20<sup>th</sup> to 23<sup>rd</sup> December, 2016)

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: Changlang**

**No: 102/2015-16/Tue**

**Dated: 20<sup>th</sup> Dec., 2016**



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

Weather summary of the previous week	Weather forecast valid up to 23 <sup>rd</sup> Dec., 2016
Rainfall = Changlang: 0.0 mm Miao: 0.0 mm	Generally clear/dry weather forecasted. Max Temp=23°C and Min Temp=10°C, RH=28-81%, Wind Speed= 4-6 kmph, Wind direction: ESE
<b>Warning</b>	<b>NIL</b>

### Weather Based Agro-meteorological Advisories Bulletin

#### General Recommendations

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

Crop	Stage	Pest/Disease	Precautionary Practices to be followed
<b>FIELD CROPS</b>			
Wetland Rice	Harvesting		<ul style="list-style-type: none"> <li>Proper sundry before storing</li> </ul>
Potato	vegetative		<ul style="list-style-type: none"> <li>Weeding and application of fertilizer as per recommended doses is suggested in potato.</li> <li>Soil moisture conservation techniques like mulching with crop residue and provide life saving irrigation to the crops recommended.</li> </ul>
Pea	Vegetative	Powdery mildew	<ul style="list-style-type: none"> <li>Soil moisture conservation techniques like mulching with crop residue and provide life saving irrigation to the crops recommended.</li> <li>Foliar spray of urea@2% for moisture stress</li> <li>Stacking may be carried out</li> </ul>
Black Gram & Green Gram	Vegetative		<ul style="list-style-type: none"> <li>Life saving irrigation and mulching recommended</li> </ul>
Mustard/rapeseed	Vegetative	White Rust Alternaria blight Aphids	<ul style="list-style-type: none"> <li>Soil moisture conservation techniques like mulching with crop residue and provide life saving irrigation to the crops recommended.</li> <li>Spray <a href="#">Blitox@0.25%</a> at 10-15 days interval</li> <li>Spray <a href="#">IndofilM-45@2.5g/l</a> as preventive measure against alternaria blight and dimethoate 30 EC@3ml/lit for aphid in mustard.</li> </ul>
<b>VEGETABLES</b>			
Winter vegetables/ rabi crops	Seedling/vegetative	Cut worm/ leaf eating insects	<ul style="list-style-type: none"> <li>Life saving irrigation and mulching</li> <li>Spray Azadirachtin 0.15% EC 2@ 6ml/lit against leaf eating insects in vegetables</li> </ul>
Cabbage/Cauliflower	Vegetative	Nutritional Deficiency	<ul style="list-style-type: none"> <li>Life saving irrigation and mulching recommended</li> <li>Spray micronutrients like <a href="#">Multiplex or Tracel @0.2%</a></li> <li>Azadirachtin 0.03% (neem oil based WSP) @ 5lit/1000lit water/ha against Aphids, DBM, Cabbage Worm, Cabbage looper etc</li> </ul>
<b>HORTICULTURAL CROPS</b>			
Citrus	Fruiting	Trunk borer, Fruit fly / pre-harvest fruit drop/ leaf miner	<ul style="list-style-type: none"> <li>Collect and dispose rotten fruits</li> <li>Spray micronutrient like Multiplex@ 0.2% to compensate nutritional deficiency in orange.</li> <li>Do drenching with 0.05% <i>Dichlorvos</i> at base of plant for rectification of trunk-borer.</li> <li>On sunny day spray Spinosad 2.5 sc@ 2ml/10 lit of water.</li> <li>Spray NAA@2ml/5lit of water to prevent pre-harvest fruit drop</li> <li>Install fruit fly traps</li> <li>Need based foliar spray of Cypermethrin@4g/10ml against leaf miner.</li> </ul>
Large Cardamom	Vegetative		<ul style="list-style-type: none"> <li>Remove dry, diseased and old tillers and branches and spray Bio NPK@2ml/lit water for proper growth</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>
<b>AGROFORESTRY</b>			
Bamboo			<ul style="list-style-type: none"> <li>Loosening of soil and application of fertilizers</li> </ul>
Toko Palm and other MPTs	Vegetative		<ul style="list-style-type: none"> <li>Weeding and application of fertilizers</li> </ul>
<b>Honey Bees</b>			
			<ul style="list-style-type: none"> <li>Good season for trapping/catching of local honey bee colonies as this is the peak swarming season.</li> <li>Harvesting could be done on highly populated colonies</li> </ul>

			should be divided.
LIVESTOCKS			
Livestock	Stage	Disease	Precautionary Practices to be followed
Pigs	All stages		<ul style="list-style-type: none"><li>• Deworming and vaccination as per recommended schedule.</li><li>• Provide adequate bedding material (paddy straw, rice husk) to newly born piglets.</li></ul>
Poultry	All stages		<ul style="list-style-type: none"><li>• Provide proper bedding materials (Straw, rice husk etc)</li><li>• Deworming at regular interval</li><li>• Provide warmth@ 2 watt/chick</li><li>• Close ventilation and openings in houses</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>
Cattle/Mithun	All stages	FMD	<ul style="list-style-type: none"><li>• Deworming with antihelmintic drugs like oxclozanide or pyrantel.</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

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(Period: 20<sup>th</sup> to 23<sup>rd</sup> December, 2016)



ग्रामीण कृषि मौसम सेवा



GRAMIN KRISHI MAUSAM SEWA

(Integrated Agro-Meteorological Advisory Services)

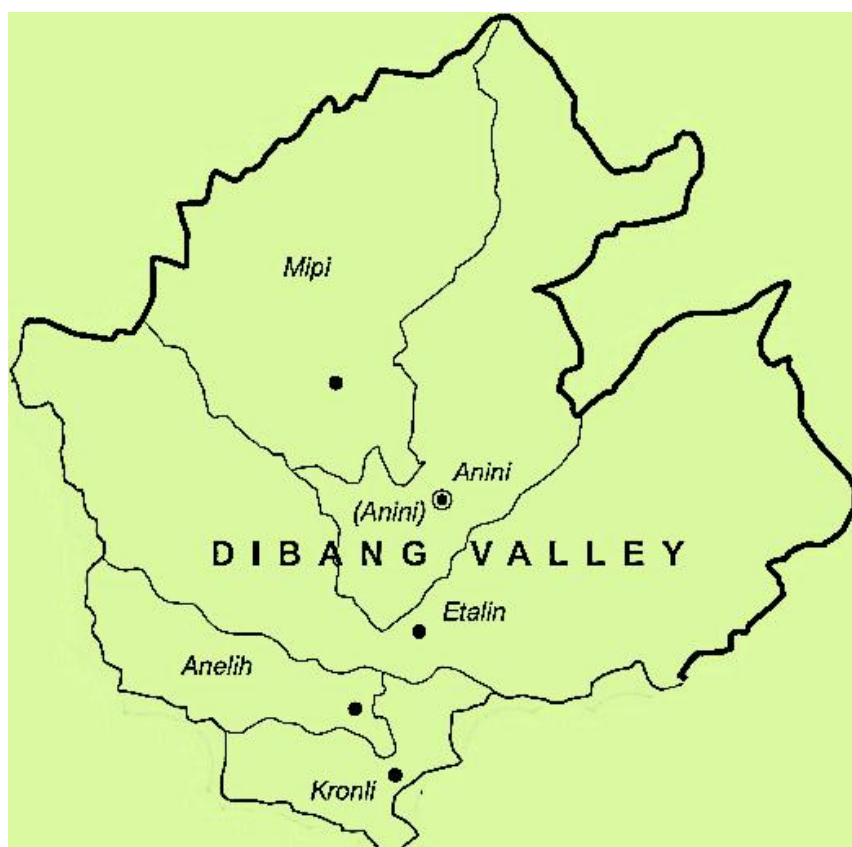


ICAR Research Complex for NEH Region  
Arunachal Pradesh Centre, Basar-791101

**District: Dibang Valley**

**No: 102/2015-16/Tue**

**Dated: 20<sup>th</sup> Dec., 2016**



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

Weather summary of the previous week	Weather forecast valid up to 23 <sup>rd</sup> Dec., 2016
Rainfall = 0.0 mm (Anini)	Generally clear/dry weather forecasted. Max Temp=14°C and Min Temp=0°C, RH=15-65%, Wind Speed=7-8 kmph, Wind direction: E
<b>Warning:</b>	<b>NIL</b>

**Weather Based Agro-meteorological Advisories Bulletin**

**General recommendations**

<ul style="list-style-type: none"> <li>Disinfecting the animal/bird sheds with lime powder/ bleaching powder/ 4%NaOH at regular interval is advocated</li> <li>Go for spray operation only on dry/clear weather.</li> <li>Go for low cost polyhouses for year round cultivation of vegetables</li> <li>Obtain seeds from reputed/certified/reliable source</li> <li>Use fertilizers/pesticides as per recommended doses for the location</li> <li>Preference must be given on use of organic manures/bio-fertilizers &amp; bio-pesticides</li> <li>ICAR Basar recommend poultry variety VANARAJA for backyard rearing</li> </ul>			
Crop	Stage	Pest/Disease	Precautionary Practices to be followed
<b>FIELD CROPS</b>			
Wetland Rice	Harvesting		<ul style="list-style-type: none"> <li>Proper sundry before storing</li> </ul>
Potato	vegetative		<ul style="list-style-type: none"> <li>Weeding and application of fertilizer as per recommended doses is suggested in potato.</li> <li>Soil moisture conservation techniques like mulching with crop residue and provide life saving irrigation to the crops recommended.</li> </ul>
Pea	Vegetative	Powdery mildew	<ul style="list-style-type: none"> <li>Soil moisture conservation techniques like mulching with crop residue and provide life saving irrigation to the crops recommended.</li> <li>Foliar spray of urea@2% for moisture stress</li> <li>Stacking may be carried out</li> </ul>
Black Gram & Green Gram	Vegetative		<ul style="list-style-type: none"> <li>Life saving irrigation and mulching recommended</li> </ul>
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Cabbage/Cauliflower	Vegetative	Nutritional Deficiency	<ul style="list-style-type: none"> <li>Life saving irrigation and mulching recommended</li> <li>Spray micronutrients like <a href="#">Multiplex or Tracel @0.2%</a></li> <li>Azadirachtin 0.03% (neem oil based WSP) @ 5lit/1000lit water/ha against Aphids, DBM, Cabbage Worm, Cabbage looper etc</li> </ul>
<b>HORTICULTURAL CROPS</b>			
Citrus	Fruiting	Trunk borer, Fruit fly / pre-harvest fruit drop/ leaf miner	<ul style="list-style-type: none"> <li>Collect and dispose rotten fruits</li> <li>Spray micronutrient like Multiplex@ 0.2% to compensate nutritional deficiency in orange.</li> <li>Do drenching with 0.05% <i>Dichlorvos</i> at base of plant for rectification of trunk-borer.</li> <li>On sunny day spray Spinosad 2.5 sc@ 2ml/10 lit of water.</li> <li>Spray NAA@2ml/5lit of water to prevent pre-harvest fruit drop</li> <li>Install fruit fly traps</li> <li>Need based foliar spray of Cypermethrin@4g/10ml against leaf miner.</li> </ul>
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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>

AGROFORESTRY			
Bamboo	Growing		<ul style="list-style-type: none"><li>• Avoid cutting</li><li>• Edible shoots can be harvested</li></ul>
Toko Palm and other MPTs	Growing		<ul style="list-style-type: none"><li>• Avoid injury</li><li>• Weeding, cleaning recommended</li></ul>
Honey Bees			
			<ul style="list-style-type: none"><li>• Good season for trapping/catching of local honey bee colonies as this is the peak swarming season.</li><li>• Harvesting could be done on highly populated colonies should be divided.</li></ul>
LIVESTOCKS			
Livestock	Stage	Disease	Precautionary Practices to be followed
Pigs	All stages		<ul style="list-style-type: none"><li>• Deworming and vaccination as per recommended schedule.</li><li>• Provide adequate bedding material (paddy straw, rice husk) to newly born piglets.</li></ul>
Poultry	All stages		<ul style="list-style-type: none"><li>• Provide proper bedding materials (Straw, rice husk etc)</li><li>• Deworming at regular interval</li><li>• Provide warmth@ 2 watt/chick</li><li>• Close ventilation and openings in houses</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>
Cattle/Mithun	All stages	FMD	<ul style="list-style-type: none"><li>• Deworming with antihelmintic drugs like oxclozanide or pyrantel.</li></ul>
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( Period: 20<sup>th</sup> to 23<sup>rd</sup> December, 2016)

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: East Kameng**

**No: 102/2015-16/Tue**

**Dated: 20<sup>th</sup> Dec., 2016**



Weather summary of the previous week	Weather forecast valid up to 23 <sup>rd</sup> Dec., 2016
Rainfall = 0.0 mm	Generally clear/dry weather forecasted. Max Temp=14°C and Min Temp=1°C, RH=35-83%, Wind Speed=4-6 kmph, Wind direction: NE
<b>Warning:</b>	<b>NIL</b>

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#### 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
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- 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
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<b>AGROFORESTRY</b>			
Bamboo	Growing		<ul style="list-style-type: none"> <li>Avoid cutting</li> <li>Edible shoots can be harvested</li> </ul>
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LIVESTOCKS			
Livestock	Stage	Disease	Precautionary Practices to be followed
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Poultry	All stages		<ul style="list-style-type: none"><li>Provide proper bedding materials (Straw, rice husk etc)</li><li>Deworming at regular interval</li><li>Provide warmth@ 2 watt/chick</li><li>Close ventilation and openings in houses</li></ul>
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## Agro-met Advisory Bulletin

(Period: 20<sup>th</sup> to 23<sup>rd</sup> December, 2016)

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: East Siang**

**No: 102/2015-16/Tue**

**Dated: 20<sup>th</sup> Dec., 2016**



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

Weather summary of the previous week	Weather forecast valid up to 23 <sup>rd</sup> Dec., 2016
Rainfall: 0.0 mm; T. Max: 29.0°C; T.Min: 15.0°C ; RH: 55-66 %	Generally clear/dry weather forecasted. Max Temp=27°C and Min Temp=14°C, RH=29-84%, Wind Speed=4-6 kmph, Wind direction: W
<b>Warning:</b>	Nil

### 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>			
Wetland Rice	Harvesting		<ul style="list-style-type: none"> <li>Proper sundry before storing</li> </ul>
Potato	vegetative		<ul style="list-style-type: none"> <li>Weeding and application of fertilizer as per recommended doses is suggested in potato.</li> <li>Soil moisture conservation techniques like mulching with crop residue and provide life saving irrigation to the crops recommended.</li> </ul>
Pea	Vegetative	Powdery mildew	<ul style="list-style-type: none"> <li>Soil moisture conservation techniques like mulching with crop residue and provide life saving irrigation to the crops recommended.</li> <li>Foliar spray of urea@2% for moisture stress</li> <li>Stacking may be carried out</li> </ul>
Black Gram & Green Gram	Vegetative		<ul style="list-style-type: none"> <li>Life saving irrigation and mulching recommended</li> </ul>
Mustard/rapeseed	Vegetative	White Rust Alternaria blight Aphids	<ul style="list-style-type: none"> <li>Soil moisture conservation techniques like mulching with crop residue and provide life saving irrigation to the crops recommended.</li> <li>Spray <a href="#">Blitox@0.25%</a> at 10-15 days interval</li> <li>Spray <a href="#">Indofil-m-45@2.5g/l</a> as preventive measure against alternaria blight and dimethoate 30 EC@3ml/lit for aphid in mustard.</li> </ul>
<b>VEGETABLES</b>			
Winter vegetables/ rabi crops	Seedling/vegetative	Cut worm/ leaf eating insects	<ul style="list-style-type: none"> <li>Life saving irrigation and mulching</li> <li>Spray Azadirachtin 0.15% EC 2@ 6ml/lit against leaf eating insects in vegetables</li> </ul>
Cabbage/Cauliflower	Vegetative	Nutritional Deficiency	<ul style="list-style-type: none"> <li>Life saving irrigation and mulching recommended</li> <li>Spray micronutrients like <a href="#">Multiplex or Tracel @0.2%</a></li> <li>Azadirachtin 0.03% (neem oil based WSP) @ 5lit/1000lit water/ha against Aphids, DBM, Cabbage Worm, Cabbage looper etc</li> </ul>
<b>HORTICULTURAL CROPS</b>			
Citrus	Fruiting	Trunk borer, Fruit fly / pre-harvest fruit drop/ leaf miner	<ul style="list-style-type: none"> <li>Collect and dispose rotten fruits</li> <li>Spray micronutrient like Multiplex@ 0.2% to compensate nutritional deficiency in orange.</li> <li>Do drenching with 0.05% <i>Dichlorvos</i> at base of plant for rectification of trunk-borer.</li> <li>On sunny day spray Spinosad 2.5 sc@ 2ml/10 lit of water.</li> <li>Spray NAA@2ml/5lit of water to prevent pre-harvest fruit drop</li> <li>Install fruit fly traps</li> <li>Need based foliar spray of Cypermethrin@4g/10ml against leaf miner.</li> </ul>
Large Cardamom	Vegetative		<ul style="list-style-type: none"> <li>Remove dry, diseased and old tillers and branches and spray Bio NPK@2ml/lit water for proper growth</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>
<b>AGROFORESTRY</b>			
Bamboo	Growing		<ul style="list-style-type: none"> <li>Avoid cutting</li> <li>Edible shoots can be harvested</li> </ul>
Toko Palm and other MPTs	Growing		<ul style="list-style-type: none"> <li>Avoid injury</li> <li>Weeding, cleaning recommended</li> </ul>
<b>Honey Bees</b>			
			<ul style="list-style-type: none"> <li>Good season for trapping/catching of local honey bee colonies as this is the peak swarming season.</li> <li>Harvesting could be done or highly populated colonies</li> </ul>

			should be divided.
<b>LIVESTOCKS</b>			
<b>Livestock</b>	<b>Stage</b>	<b>Disease</b>	<b>Precautionary Practices to be followed</b>
Pigs	All stages		<ul style="list-style-type: none"><li>• Deworming and vaccination as per recommended schedule.</li><li>• Provide adequate bedding material (paddy straw, rice husk) to newly born piglets.</li></ul>
Poultry	All stages		<ul style="list-style-type: none"><li>• Provide proper bedding materials (Straw, rice husk etc)</li><li>• Deworming at regular interval</li><li>• Provide warmth@ 2 watt/chick</li><li>• Close ventilation and openings in houses</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>
Cattle/Mithun	All stages	FMD	<ul style="list-style-type: none"><li>• Deworming with antihelmintic drugs like oxclozanide or pyrantel.</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: 20<sup>th</sup> to 23<sup>rd</sup> December, 2016)

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: Kurung Kumey**

No: 102/2015-16/Tue

Dated: 20<sup>th</sup> Dec., 2016



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

Weather summary of the previous week	Weather forecast valid up to 23 <sup>rd</sup> Dec., 2016
Rainfall = NA	Generally clear/dry weather forecasted. Max Temp=12°C and Min Temp=0°C, RH=24-90%, Wind Speed=3-7 kmph, Wind direction: WNW
Warning	NIL

### 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>			
Wetland Rice	Harvesting		<ul style="list-style-type: none"> <li>Proper sundry before storing</li> </ul>
Potato	vegetative		<ul style="list-style-type: none"> <li>Weeding and application of fertilizer as per recommended doses is suggested in potato.</li> <li>Soil moisture conservation techniques like mulching with crop residue and provide life saving irrigation to the crops recommended.</li> </ul>
Pea	Vegetative	Powdery mildew	<ul style="list-style-type: none"> <li>Soil moisture conservation techniques like mulching with crop residue and provide life saving irrigation to the crops recommended.</li> <li>Foliar spray of urea@2% for moisture stress</li> <li>Stacking may be carried out</li> </ul>
Black Gram & Green Gram	Vegetative		<ul style="list-style-type: none"> <li>Life saving irrigation and mulching recommended</li> </ul>
Mustard/rapeseed	Vegetative	White Rust Alternaria blight Aphids	<ul style="list-style-type: none"> <li>Soil moisture conservation techniques like mulching with crop residue and provide life saving irrigation to the crops recommended.</li> <li>Spray <a href="#">Blitox@0.25%</a> at 10-15 days interval</li> <li>Spray <a href="#">Indofil-m-45@2.5g/l</a> as preventive measure against alternaria blight and dimethoate 30 EC@3ml/lit for aphid in mustard.</li> </ul>
<b>VEGETABLES</b>			
Winter vegetables/ rabi crops	Seedling/vegetative	Cut worm/ leaf eating insects	<ul style="list-style-type: none"> <li>Life saving irrigation and mulching</li> <li>Spray Azadirachtin 0.15% EC 2@ 6ml/lit against leaf eating insects in vegetables</li> </ul>
Cabbage/Cauliflower	Vegetative	Nutritional Deficiency	<ul style="list-style-type: none"> <li>Life saving irrigation and mulching recommended</li> <li>Spray micronutrients like <a href="#">Multiplex or Tracel @0.2%</a></li> <li>Azadirachtin 0.03% (neem oil based WSP) @ 5lit/1000lit water/ha against Aphids, DBM, Cabbage Worm, Cabbage looper etc</li> </ul>
<b>HORTICULTURAL CROPS</b>			
Citrus	Fruiting	Trunk borer, Fruit fly / pre-harvest fruit drop/ leaf miner	<ul style="list-style-type: none"> <li>Collect and dispose rotten fruits</li> <li>Spray micronutrient like Multiplex@ 0.2% to compensate nutritional deficiency in orange.</li> <li>Do drenching with 0.05% <i>Dichlorvos</i> at base of plant for rectification of trunk-borer.</li> <li>On sunny day spray Spinosad 2.5 sc@ 2ml/10 lit of water.</li> <li>Spray NAA@2ml/5lit of water to prevent pre-harvest fruit drop</li> <li>Install fruit fly traps</li> <li>Need based foliar spray of Cypermethrin@4g/10ml against leaf miner.</li> </ul>
Large Cardamom	Vegetative		<ul style="list-style-type: none"> <li>Remove dry, diseased and old tillers and branches and spray Bio NPK@2ml/lit water for proper growth</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>
<b>AGROFORESTRY</b>			
Bamboo	Growing		<ul style="list-style-type: none"> <li>Avoid cutting</li> <li>Edible shoots can be harvested</li> </ul>
Toko Palm and other MPTs	Growing		<ul style="list-style-type: none"> <li>Avoid injury</li> <li>Weeding, cleaning recommended</li> </ul>
<b>Honey Bees</b>			
			<ul style="list-style-type: none"> <li>Good season for trapping/catching of local honey bee colonies as this is the peak swarming season.</li> <li>Harvesting could be done or highly populated colonies</li> </ul>

			should be divided.
LIVESTOCKS			
Livestock	Stage	Disease	Precautionary Practices to be followed
Pigs	All stages		<ul style="list-style-type: none"><li>• Deworming and vaccination as per recommended schedule.</li><li>• Provide adequate bedding material (paddy straw, rice husk) to newly born piglets.</li></ul>
Poultry	All stages		<ul style="list-style-type: none"><li>• Provide proper bedding materials (Straw, rice husk etc)</li><li>• Deworming at regular interval</li><li>• Provide warmth@ 2 watt/chick</li><li>• Close ventilation and openings in houses</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>
Cattle/Mithun	All stages	FMD	<ul style="list-style-type: none"><li>• Deworming with antihelmintic drugs like oxclozanide or pyrantel.</li></ul>
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# कृषि मौसम सलाहकार सेवा पत्रिका

## Agro-met Advisory Bulletin

(Period: 20<sup>th</sup> to 23<sup>rd</sup> December, 2016)

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: Lohit**

No: 102/2015-16/Tue

Dated: 20<sup>th</sup> Dec., 2016



Weather summary of the previous week	Weather forecast valid up to 23 <sup>rd</sup> Dec., 2016
Rainfall = 0.0 mm (Tezu)	Generally clear/dry weather forecasted. Max Temp=16°C and Min Temp=6°C, RH=21-79%, Wind Speed=4-7 kmph, Wind direction: E
Warning:	NIL

### 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
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- ICAR Basar recommend poultry variety VANARAJA for backyard rearing

Crop	Stage	Pest/Disease	Precautionary Practices to be followed
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Wetland Rice	Harvesting		<ul style="list-style-type: none"> <li>Proper sundry before storing</li> </ul>
Potato	vegetative		<ul style="list-style-type: none"> <li>Weeding and application of fertilizer as per recommended doses is suggested in potato.</li> <li>Soil moisture conservation techniques like mulching with crop residue and provide life saving irrigation to the crops recommended.</li> </ul>
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<b>HORTICULTURAL CROPS</b>			
Citrus	Fruiting	Trunk borer, Fruit fly / pre-harvest fruit drop/ leaf miner	<ul style="list-style-type: none"> <li>Collect and dispose rotten fruits</li> <li>Spray micronutrient like Multiplex@ 0.2% to compensate nutritional deficiency in orange.</li> <li>Do drenching with 0.05% <i>Dichlorvos</i> at base of plant for rectification of trunk-borer.</li> <li>On sunny day spray Spinosad 2.5 sc@ 2ml/10 lit of water.</li> <li>Spray NAA@2ml/5lit of water to prevent pre-harvest fruit drop</li> <li>Install fruit fly traps</li> <li>Need based foliar spray of Cypermethrin@4g/10ml against leaf miner.</li> </ul>
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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>
<b>AGROFORESTRY</b>			
Bamboo	Growing		<ul style="list-style-type: none"> <li>Avoid cutting</li> <li>Edible shoots can be harvested</li> </ul>
Toko Palm and other MPTs	Growing		<ul style="list-style-type: none"> <li>Avoid injury</li> <li>Weeding, cleaning recommended</li> </ul>
<b>Honey Bees</b>			
			<ul style="list-style-type: none"> <li>Good season for trapping/catching of local honey bee colonies as this is the peak swarming season.</li> <li>Harvesting could be done or highly populated colonies</li> </ul>

			should be divided.
<b>LIVESTOCKS</b>			
<b>Livestock</b>	<b>Stage</b>	<b>Disease</b>	<b>Precautionary Practices to be followed</b>
Pigs	All stages		<ul style="list-style-type: none"><li>• Deworming and vaccination as per recommended schedule.</li><li>• Provide adequate bedding material (paddy straw, rice husk) to newly born piglets.</li></ul>
Poultry	All stages		<ul style="list-style-type: none"><li>• Provide proper bedding materials (Straw, rice husk etc)</li><li>• Deworming at regular interval</li><li>• Provide warmth@ 2 watt/chick</li><li>• Close ventilation and openings in houses</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>
Cattle/Mithun	All stages	FMD	<ul style="list-style-type: none"><li>• Deworming with antihelmintic drugs like oxclozanide or pyrantel.</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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## Agro-met Advisory Bulletin

(Period: 20<sup>th</sup> to 23<sup>rd</sup> December, 2016)



ग्रामीण कृषि मौसम सेवा



GRAMIN KRISHI MAUSAM SEWA

(Integrated Agro-Meteorological Advisory Services)

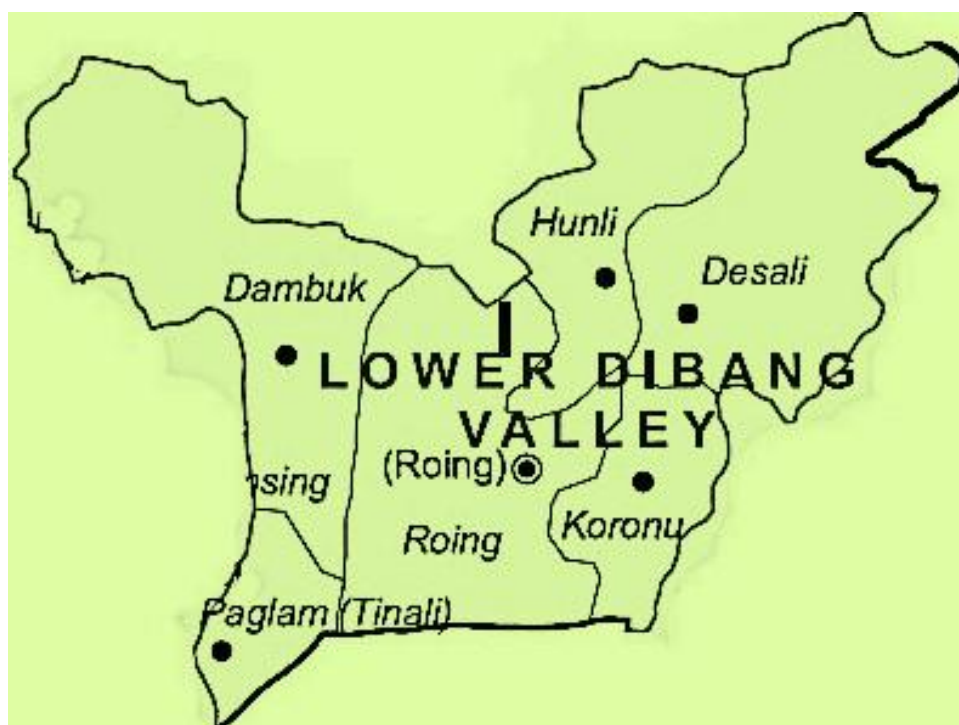


ICAR Research Complex for NEH Region  
Arunachal Pradesh Centre, Basar-791101

**District: Lower Dibang Valley**

No: 102/2015-16/Tue

Dated: 20<sup>th</sup> Dec., 2016



Weather summary of the previous week	Weather forecast valid up to 23 <sup>rd</sup> Dec., 2016
Rainfall = 0.0 mm (Roing)	Generally clear/dry weather forecasted. Max Temp=17°C and Min Temp=2°C, RH=17-61%, Wind Speed=6 kmph, Wind direction: E
<b>Warning:</b>	<b>NIL</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
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- **ICAR Basar recommend poultry variety VANARAJA for backyard rearing**

Crop	Stage	Pest/Disease	Precautionary Practices to be followed
<b>FIELD CROPS</b>			
Wetland Rice	Harvesting		<ul style="list-style-type: none"> <li>• Proper sundry before storing</li> </ul>
Potato	vegetative		<ul style="list-style-type: none"> <li>• Weeding and application of fertilizer as per recommended doses is suggested in potato.</li> <li>• Soil moisture conservation techniques like mulching with crop residue and provide life saving irrigation to the crops recommended.</li> </ul>
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<b>AGROFORESTRY</b>			
Bamboo	Growing		<ul style="list-style-type: none"> <li>• Avoid cutting</li> <li>• Edible shoots can be harvested</li> </ul>
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<b>Honey Bees</b>			
			<ul style="list-style-type: none"> <li>• Good season for trapping/catching of local honey bee colonies as this is the peak swarming season.</li> </ul>

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LIVESTOCKS			
Livestock	Stage	Disease	Precautionary Practices to be followed
Pigs	All stages		<ul style="list-style-type: none"><li>Deworming and vaccination as per recommended schedule.</li><li>Provide adequate bedding material (paddy straw, rice husk) to newly born piglets.</li></ul>
Poultry	All stages		<ul style="list-style-type: none"><li>Provide proper bedding materials (Straw, rice husk etc)</li><li>Deworming at regular interval</li><li>Provide warmth@ 2 watt/chick</li><li>Close ventilation and openings in houses</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>
Cattle/Mithun	All stages	FMD	<ul style="list-style-type: none"><li>Deworming with antihelminthic drugs like oxclozanide or pyrantel.</li></ul>
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Agrometeorological Field Unit  
ICAR, BASAR

# कृषि मौसम सलाहकार सेवा पत्रिका

## Agro-met Advisory Bulletin

(Period: 20<sup>th</sup> to 23<sup>rd</sup> December, 2016)

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: Lower Subansiri**

**No: 102/2015-16/Tue**

**Dated: 20<sup>th</sup> Dec., 2016**



Weather summary of the previous week	Weather forecast valid up to 23 <sup>rd</sup> Dec., 2016
Rainfall = 0.0 mm (Ziro)	Generally clear/dry weather forecasted. Max Temp=14°C and Min Temp=0°C, RH=33-90%, Wind Speed=2-7 kmph, Wind direction: WSW
<b>Warning:</b>	<b>NIL</b>

### Weather Based Agro-meteorological Advisories Bulletin

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

Crop	Stage	Pest/Disease	Precautionary Practices to be followed
<b>FIELD CROPS</b>			
Wetland Rice	Harvesting		<ul style="list-style-type: none"> <li>Proper sundry before storing</li> </ul>
Potato	vegetative		<ul style="list-style-type: none"> <li>Weeding and application of fertilizer as per recommended doses is suggested in potato.</li> <li>Soil moisture conservation techniques like mulching with crop residue and provide life saving irrigation to the crops recommended.</li> </ul>
Pea	Vegetative	Powdery mildew	<ul style="list-style-type: none"> <li>Soil moisture conservation techniques like mulching with crop residue and provide life saving irrigation to the crops recommended.</li> <li>Foliar spray of urea@2% for moisture stress</li> <li>Stacking may be carried out</li> </ul>
Black Gram & Green Gram	Vegetative		<ul style="list-style-type: none"> <li>Life saving irrigation and mulching recommended</li> </ul>
Mustard/rapeseed	Vegetative	White Rust Alternaria blight Aphids	<ul style="list-style-type: none"> <li>Soil moisture conservation techniques like mulching with crop residue and provide life saving irrigation to the crops recommended.</li> <li>Spray <a href="#">Blitox@0.25%</a> at 10-15 days interval</li> <li>Spray <a href="#">Indofil-m-45@2.5g/l</a> as preventive measure against alternaria blight and dimethoate 30 EC@3ml/lit for aphid in mustard.</li> </ul>
<b>VEGETABLES</b>			
Winter vegetables/ rabi crops	Seedling/vegetative	Cut worm/ leaf eating insects	<ul style="list-style-type: none"> <li>Life saving irrigation and mulching</li> <li>Spray Azadirachtin 0.15% EC 2@ 6ml/lit against leaf eating insects in vegetables</li> </ul>
Cabbage/Cauliflower	Vegetative	Nutritional Deficiency	<ul style="list-style-type: none"> <li>Life saving irrigation and mulching recommended</li> <li>Spray micronutrients like <a href="#">Multiplex or Tracel @0.2%</a></li> <li>Azadirachtin 0.03% (neem oil based WSP) @ 5lit/1000lit water/ha against Aphids, DBM, Cabbage Worm, Cabbage looper etc</li> </ul>
<b>HORTICULTURAL CROPS</b>			
Citrus	Fruiting	Trunk borer, Fruit fly / pre-harvest fruit drop/ leaf miner	<ul style="list-style-type: none"> <li>Collect and dispose rotten fruits</li> <li>Spray micronutrient like Multiplex@ 0.2% to compensate nutritional deficiency in orange.</li> <li>Do drenching with 0.05% <i>Dichlorvos</i> at base of plant for rectification of trunk-borer.</li> <li>On sunny day spray Spinosad 2.5 sc@ 2ml/10 lit of water.</li> <li>Spray NAA@2ml/5lit of water to prevent pre-harvest fruit drop</li> <li>Install fruit fly traps</li> <li>Need based foliar spray of Cypermethrin@4g/10ml against leaf miner.</li> </ul>
Large Cardamom	Vegetative		<ul style="list-style-type: none"> <li>Remove dry, diseased and old tillers and branches and spray Bio NPK@2ml/lit water for proper growth</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>
<b>AGROFORESTRY</b>			
Bamboo	Growing		<ul style="list-style-type: none"> <li>Avoid cutting</li> <li>Edible shoots can be harvested</li> </ul>
Toko Palm and other MPTs	Growing		<ul style="list-style-type: none"> <li>Avoid injury</li> <li>Weeding, cleaning recommended</li> </ul>
<b>Honey Bees</b>			
			<ul style="list-style-type: none"> <li>Good season for trapping/catching of local honey bee colonies as this is the peak swarming season.</li> <li>Harvesting could be done or highly populated colonies</li> </ul>

			should be divided.
LIVESTOCKS			
Livestock	Stage	Disease	Precautionary Practices to be followed
Pigs	All stages		<ul style="list-style-type: none"><li>• Deworming and vaccination as per recommended schedule.</li><li>• Provide adequate bedding material (paddy straw, rice husk) to newly born piglets.</li></ul>
Poultry	All stages		<ul style="list-style-type: none"><li>• Provide proper bedding materials (Straw, rice husk etc)</li><li>• Deworming at regular interval</li><li>• Provide warmth@ 2 watt/chick</li><li>• Close ventilation and openings in houses</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>
Cattle/Mithun	All stages	FMD	<ul style="list-style-type: none"><li>• Deworming with antihelmintic drugs like oxclozanide or pyrantel.</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: 20<sup>th</sup> to 23<sup>rd</sup> December, 2016)

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: Papum Pare**

No: 102/2015-16/Tue

Dated: 20<sup>th</sup> Dec., 2016



Weather summary of the previous week	Weather forecast valid up to 23 <sup>rd</sup> Dec., 2016
Rainfall: 0.0 mm; T.Max: 30.0°C; T.Min: 10°C ; RH: 55-85 %	Generally clear/dry weather forecasted. Max Temp=26°C and Min Temp=13°C, RH=32-91%, Wind Speed=4 kmph, Wind direction: E
<b>Warning:</b>	<b>NIL</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>			
Wetland Rice	Harvesting		<ul style="list-style-type: none"> <li>Proper sundry before storing</li> </ul>
Potato	vegetative		<ul style="list-style-type: none"> <li>Weeding and application of fertilizer as per recommended doses is suggested in potato.</li> <li>Soil moisture conservation techniques like mulching with crop residue and provide life saving irrigation to the crops recommended.</li> </ul>
Pea	Vegetative	Powdery mildew	<ul style="list-style-type: none"> <li>Soil moisture conservation techniques like mulching with crop residue and provide life saving irrigation to the crops recommended.</li> <li>Foliar spray of urea@2% for moisture stress</li> <li>Stacking may be carried out</li> </ul>
Black Gram & Green Gram	Vegetative		<ul style="list-style-type: none"> <li>Life saving irrigation and mulching recommended</li> </ul>
Mustard/rapeseed	Vegetative	White Rust Alternaria blight Aphids	<ul style="list-style-type: none"> <li>Soil moisture conservation techniques like mulching with crop residue and provide life saving irrigation to the crops recommended.</li> <li>Spray <a href="#">Blitox@0.25%</a> at 10-15 days interval</li> <li>Spray <a href="#">Indofilm-45@2.5g/l</a> as preventive measure against alternaria blight and dimethoate 30 EC@3ml/lit for aphid in mustard.</li> </ul>
<b>VEGETABLES</b>			
Winter vegetables/ rabi crops	Seedling/vegetative	Cut worm/ leaf eating insects	<ul style="list-style-type: none"> <li>Life saving irrigation and mulching</li> <li>Spray Azadirachtin 0.15% EC 2@ 6ml/lit against leaf eating insects in vegetables</li> </ul>
Cabbage/Cauliflower	Vegetative	Nutritional Deficiency	<ul style="list-style-type: none"> <li>Life saving irrigation and mulching recommended</li> <li>Spray micronutrients like <a href="#">Multiplex or Tracel @0.2%</a></li> <li>Azadirachtin 0.03% (neem oil based WSP) @ 5lit/1000lit water/ha against Aphids, DBM, Cabbage Worm, Cabbage looper etc</li> </ul>
<b>HORTICULTURAL CROPS</b>			
Citrus	Fruiting	Trunk borer, Fruit fly / pre-harvest fruit drop/ leaf miner	<ul style="list-style-type: none"> <li>Collect and dispose rotten fruits</li> <li>Spray micronutrient like Multiplex@ 0.2% to compensate nutritional deficiency in orange.</li> <li>Do drenching with 0.05% <i>Dichlorvos</i> at base of plant for rectification of trunk-borer.</li> <li>On sunny day spray Spinosad 2.5 sc@ 2ml/10 lit of water.</li> <li>Spray NAA@2ml/5lit of water to prevent pre-harvest fruit drop</li> <li>Install fruit fly traps</li> <li>Need based foliar spray of Cypermethrin@4g/10ml against leaf miner.</li> </ul>
Large Cardamom	Vegetative		<ul style="list-style-type: none"> <li>Remove dry, diseased and old tillers and branches and spray Bio NPK@2ml/lit water for proper growth</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>
<b>AGROFORESTRY</b>			
Bamboo	Growing		<ul style="list-style-type: none"> <li>Avoid cutting</li> <li>Edible shoots can be harvested</li> </ul>
Toko Palm and other MPTs	Growing		<ul style="list-style-type: none"> <li>Avoid injury</li> <li>Weeding, cleaning recommended</li> </ul>
<b>Honey Bees</b>			
			<ul style="list-style-type: none"> <li>Good season for trapping/catching of local honey bee colonies as this is the peak swarming season.</li> </ul>

			<ul style="list-style-type: none"><li>Harvesting could be done or highly populated colonies should be divided.</li></ul>
LIVESTOCKS			
Livestock	Stage	Disease	Precautionary Practices to be followed
Pigs	All stages		<ul style="list-style-type: none"><li>Deworming and vaccination as per recommended schedule.</li><li>Provide adequate bedding material (paddy straw, rice husk) to newly born piglets.</li></ul>
Poultry	All stages		<ul style="list-style-type: none"><li>Provide proper bedding materials (Straw, rice husk etc)</li><li>Deworming at regular interval</li><li>Provide warmth@ 2 watt/chick</li><li>Close ventilation and openings in houses</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>
Cattle/Mithun	All stages	FMD	<ul style="list-style-type: none"><li>Deworming with antihelminthic drugs like oxclozanide or pyrantel.</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: 20<sup>th</sup> to 23<sup>rd</sup> December, 2016)

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: Tawang**

No: 102/2015-16/Tue

Dated: 20<sup>th</sup> Dec., 2016



Weather summary of the previous week	Weather forecast valid up to 23 <sup>rd</sup> Dec., 2016
Rainfall = 0.0 mm	Generally clear/dry weather forecasted. Max Temp=12°C and Min Temp=2°C, RH=32-82%, Wind Speed=4-8 kmph, Wind direction: SW
Warning:	Nil

### 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
FIELD CROPS			
Wetland Rice	Harvesting		<ul style="list-style-type: none"><li>Proper sundry before storing</li></ul>
Potato	vegetative		<ul style="list-style-type: none"><li>Weeding and application of fertilizer as per recommended doses is suggested in potato.</li></ul>

			<ul style="list-style-type: none"> <li>• Soil moisture conservation techniques like mulching with crop residue and provide life saving irrigation to the crops recommended.</li> </ul>
Pea	Vegetative	Powdery mildew	<ul style="list-style-type: none"> <li>• Soil moisture conservation techniques like mulching with crop residue and provide life saving irrigation to the crops recommended.</li> <li>• Foliar spray of urea@2% for moisture stress</li> <li>• Stacking may be carried out</li> </ul>
Black Gram & Green Gram	Vegetative		<ul style="list-style-type: none"> <li>• Life saving irrigation and mulching recommended</li> </ul>
Mustard/rapeseed	Vegetative	White Rust Alternaria blight Aphids	<ul style="list-style-type: none"> <li>• Soil moisture conservation techniques like mulching with crop residue and provide life saving irrigation to the crops recommended.</li> <li>• Spray <a href="#">Blitox@0.25%</a> at 10-15 days interval</li> <li>• Spray <a href="#">IndofilM-45@2.5g/l</a> as preventive measure against alternaria blight and dimethoate 30 EC@3ml/lit for aphid in mustard.</li> </ul>
<b>VEGETABLES</b>			
Winter vegetables/ rabi crops	Seedling/vegetative	Cut worm/ leaf eating insects	<ul style="list-style-type: none"> <li>• Life saving irrigation and mulching</li> <li>• Spray Azadirachtin 0.15% EC 2@ 6ml/lit against leaf eating insects in vegetables</li> </ul>
Cabbage/Cauliflower	Vegetative	Nutritional Deficiency	<ul style="list-style-type: none"> <li>• Life saving irrigation and mulching recommended</li> <li>• Spray micronutrients like <a href="#">Multiplex or Tracel @0.2%</a></li> <li>• Azadirachtin 0.03% (neem oil based WSP) @ 5lit/1000lit water/ha against Aphids, DBM, Cabbage Worm, Cabbage looper etc</li> </ul>
<b>HORTICULTURAL CROPS</b>			
Citrus	Fruiting	Trunk borer, Fruit fly / pre-harvest fruit drop/ leaf miner	<ul style="list-style-type: none"> <li>• Collect and dispose rotten fruits</li> <li>• Spray micronutrient like Multiplex@ 0.2% to compensate nutritional deficiency in orange.</li> <li>• Do drenching with 0.05% <i>Dichlorvos</i> at base of plant for rectification of trunk-borer.</li> <li>• On sunny day spray Spinosad 2.5 sc@ 2ml/10 lit of water.</li> <li>• Spray NAA@2ml/5lit of water to prevent pre-harvest fruit drop</li> <li>• Install fruit fly traps</li> <li>• Need based foliar spray of Cypermethrin@4g/10ml against leaf miner.</li> </ul>
Large Cardamom	Vegetative		<ul style="list-style-type: none"> <li>• Remove dry, diseased and old tillers and branches and spray Bio NPK@2ml/lit water for proper growth</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>
Peach	Vegetative		<ul style="list-style-type: none"> <li>• Training/Pruning to be followed by cutting away all diseased and criss-cross branches following open centre system to harvest more solar energy.</li> </ul>
<b>AGROFORESTRY</b>			
Bamboo	Growing		<ul style="list-style-type: none"> <li>• Avoid cutting</li> <li>• Edible shoots can be harvested</li> </ul>
Toko Palm and other MPTs	Growing		<ul style="list-style-type: none"> <li>• Avoid injury</li> <li>• Weeding, cleaning recommended</li> </ul>
<b>LIVESTOCKS</b>			
<b>Livestock</b>	<b>Stage</b>	<b>Disease</b>	<b>Precautionary Practices to be followed</b>
Pigs	All stages		<ul style="list-style-type: none"> <li>• Deworming and vaccination as per recommended schedule.</li> <li>• Provide adequate bedding material (paddy straw, rice husk) to newly born piglets.</li> </ul>
Poultry	All stages		<ul style="list-style-type: none"> <li>• Provide proper bedding materials (Straw, rice husk etc)</li> </ul>

			<ul style="list-style-type: none"><li>• Deworming at regular interval</li><li>• Provide warmth@ 2 watt/chick</li><li>• Close ventilation and openings in houses</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>
Cattle/Mithun	All stages	FMD	<ul style="list-style-type: none"><li>• Deworming with antihelmintic drugs like oxclozanide or pyrantel.</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: 20<sup>th</sup> to 23<sup>rd</sup> December, 2016)

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: Tirap**

No: 102/2015-16/Tue

Dated: 20<sup>th</sup> Dec., 2016



Weather summary of the previous week	Weather forecast valid up to 23 <sup>rd</sup> Dec., 2016
Rainfall = 0.0 mm (Deomali)	Generally clear/dry weather forecasted. Max Temp=25°C and Min Temp=10°C, RH=43-100%, Wind Speed=2 kmph, Wind direction: SE
Warning:	NIL

### 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
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- ICAR Basar recommend poultry variety VANARAJA for backyard rearing

Crop	Stage	Pest/Disease	Precautionary Practices to be followed
FIELD CROPS			
Wetland Rice	Harvesting		<ul style="list-style-type: none"><li>Proper sundry before storing</li></ul>
Potato	vegetative		<ul style="list-style-type: none"><li>Weeding and application of fertilizer as per recommended doses is suggested in potato.</li><li>Soil moisture conservation techniques like mulching with</li></ul>

			crop residue and provide life saving irrigation to the crops recommended.
Pea	Vegetative	Powdery mildew	<ul style="list-style-type: none"> <li>• Soil moisture conservation techniques like mulching with crop residue and provide life saving irrigation to the crops recommended.</li> <li>• Foliar spray of urea@2% for moisture stress</li> <li>• Stacking may be carried out</li> </ul>
Black Gram & Green Gram	Vegetative		<ul style="list-style-type: none"> <li>• Life saving irrigation and mulching recommended</li> </ul>
Mustard/rapeseed	Vegetative	White Rust Alternaria blight Aphids	<ul style="list-style-type: none"> <li>• Soil moisture conservation techniques like mulching with crop residue and provide life saving irrigation to the crops recommended.</li> <li>• Spray <a href="#">Blitox@0.25%</a> at 10-15 days interval</li> <li>• Spray <a href="#">Indofilm-45@2.5g/l</a> as preventive measure against alternaria blight and dimethoate 30 EC@3ml/lit for aphid in mustard.</li> </ul>
<b>VEGETABLES</b>			
Winter vegetables/ rabi crops	Seedling/vegetative	Cut worm/ leaf eating insects	<ul style="list-style-type: none"> <li>• Life saving irrigation and mulching</li> <li>• Spray Azadirachtin 0.15% EC 2@ 6ml/lit against leaf eating insects in vegetables</li> </ul>
Cabbage/Cauliflower	Vegetative	Nutritional Deficiency	<ul style="list-style-type: none"> <li>• Life saving irrigation and mulching recommended</li> <li>• Spray micronutrients like <a href="#">Multiplex or Tracel @0.2%</a></li> <li>• Azadirachtin 0.03% (neem oil based WSP) @ 5lit/1000lit water/ha against Aphids, DBM, Cabbage Worm, Cabbage looper etc</li> </ul>
<b>HORTICULTURAL CROPS</b>			
Citrus	Fruiting	Trunk borer, Fruit fly / pre-harvest fruit drop/ leaf miner	<ul style="list-style-type: none"> <li>• Collect and dispose rotten fruits</li> <li>• Spray micronutrient like Multiplex@ 0.2% to compensate nutritional deficiency in orange.</li> <li>• Do drenching with 0.05% <i>Dichlorvos</i> at base of plant for rectification of trunk-borer.</li> <li>• On sunny day spray Spinosad 2.5 sc@ 2ml/10 lit of water.</li> <li>• Spray NAA@2ml/5lit of water to prevent pre-harvest fruit drop</li> <li>• Install fruit fly traps</li> <li>• Need based foliar spray of Cypermethrin@4g/10ml against leaf miner.</li> </ul>
Large Cardamom	Vegetative		<ul style="list-style-type: none"> <li>• Remove dry, diseased and old tillers and branches and spray Bio NPK@2ml/lit water for proper growth</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>
Pineapple	Fruiting/harvesting		<ul style="list-style-type: none"> <li>• Harvest the fruit with an inch of stalk to avoid spoilage from microorganism and to increase the shelf life of the fruit.</li> <li>• The fruit must be harvested with crown (whorl of leaves attached to the apical end of the fruit) to prolong the freshness of fruit and avoid microbial attack.</li> <li>• Pineapple is retained for about three crops. The subsequent rotation crops are borne by the suckers given out by the original plant. Only two of these suckers should be retained and all others removed. Slips should also be removed. Plants should be fertilised and earthed up so they can have good anchorage for a ratoon crop.</li> </ul>
<b>AGROFORESTRY</b>			
Bamboo	Growing		<ul style="list-style-type: none"> <li>• Avoid cutting</li> <li>• Edible shoots can be harvested</li> </ul>

Toko Palm and other MPTs	Growing		<ul style="list-style-type: none"> <li>• Avoid injury</li> <li>• Weeding, cleaning recommended</li> </ul>
<b>Honey Bees</b>			
			<ul style="list-style-type: none"> <li>• Good season for trapping/catching of local honey bee colonies as this is the peak swarming season.</li> <li>• Harvesting could be done or highly populated colonies should be divided.</li> </ul>
<b>LIVESTOCKS</b>			
<b>Livestock</b>	<b>Stage</b>	<b>Disease</b>	<b>Precautionary Practices to be followed</b>
Pigs	All stages		<ul style="list-style-type: none"> <li>• Deworming and vaccination as per recommended schedule.</li> <li>• Provide adequate bedding material (paddy straw, rice husk) to newly born piglets.</li> </ul>
Poultry	All stages		<ul style="list-style-type: none"> <li>• Provide proper bedding materials (Straw, rice husk etc)</li> <li>• Deworming at regular interval</li> <li>• Provide warmth@ 2 watt/chick</li> <li>• Close ventilation and openings in houses</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>
Cattle/Mithun	All stages	FMD	<ul style="list-style-type: none"> <li>• Deworming with antihelminthic drugs like oxclozanide or pyrantel.</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: 20<sup>th</sup> to 23<sup>rd</sup> December, 2016)

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: 102/2015-16/Tue**

**Dated: 20<sup>th</sup> Dec., 2016**



Weather summary of the previous week	Weather forecast valid up to 23 <sup>rd</sup> Dec., 2016
Rainfall = 0.0 mm (Tuting)	Generally clear/dry weather forecasted. Max Temp=13°C and Min Temp=0°C, RH=24-75%, Wind Speed=6-7 kmph, Wind direction: SSE
<b>Warning:</b>	<b>NIL</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>			
Wetland Rice	Harvesting		<ul style="list-style-type: none"> <li>• Proper sundry before storing</li> </ul>
Potato	vegetative		<ul style="list-style-type: none"> <li>• Weeding and application of fertilizer as per recommended doses is suggested in potato.</li> <li>• Soil moisture conservation techniques like mulching with crop residue and provide life saving irrigation to the crops recommended.</li> </ul>
Pea	Vegetative	Powdery mildew	<ul style="list-style-type: none"> <li>• Soil moisture conservation techniques like mulching with crop residue and provide life saving irrigation to the crops recommended.</li> <li>• Foliar spray of urea@2% for moisture stress</li> <li>• Stacking may be carried out</li> </ul>
Black Gram & Green Gram	Vegetative		<ul style="list-style-type: none"> <li>• Life saving irrigation and mulching recommended</li> </ul>
Mustard/rapeseed	Vegetative	White Rust Alternaria blight Aphids	<ul style="list-style-type: none"> <li>• Soil moisture conservation techniques like mulching with crop residue and provide life saving irrigation to the crops recommended.</li> <li>• Spray <a href="#">Blitox@0.25%</a> at 10-15 days interval</li> <li>• Spray <a href="#">Indofil-m-45@2.5g/l</a> as preventive measure against alternaria blight and dimethoate 30 EC@3ml/lit for aphid in mustard.</li> </ul>
<b>VEGETABLES</b>			
Winter vegetables/ rabi crops	Seedling/vegetative	Cut worm/ leaf eating insects	<ul style="list-style-type: none"> <li>• Life saving irrigation and mulching</li> <li>• Spray Azadirachtin 0.15% EC 2@ 6ml/lit against leaf eating insects in vegetables</li> </ul>
Cabbage/Cauliflower	Vegetative	Nutritional Deficiency	<ul style="list-style-type: none"> <li>• Life saving irrigation and mulching recommended</li> <li>• Spray micronutrients like <a href="#">Multiplex or Tracel @0.2%</a></li> <li>• Azadirachtin 0.03% (neem oil based WSP) @ 5lit/1000lit water/ha against Aphids, DBM, Cabbage Worm, Cabbage looper etc</li> </ul>
<b>HORTICULTURAL CROPS</b>			
Citrus	Fruiting	Trunk borer, Fruit fly / pre-harvest fruit drop/ leaf miner	<ul style="list-style-type: none"> <li>• Collect and dispose rotten fruits</li> <li>• Spray micronutrient like Multiplex@ 0.2% to compensate nutritional deficiency in orange.</li> <li>• Do drenching with 0.05% <i>Dichlorvos</i> at base of plant for rectification of trunk-borer.</li> <li>• On sunny day spray Spinosad 2.5 sc@ 2ml/10 lit of water.</li> <li>• Spray NAA@2ml/5lit of water to prevent pre-harvest fruit drop</li> <li>• Install fruit fly traps</li> <li>• Need based foliar spray of Cypermethrin@4g/10ml against leaf miner.</li> </ul>
Large Cardamom	Vegetative		<ul style="list-style-type: none"> <li>• Remove dry, diseased and old tillers and branches and spray Bio NPK@2ml/lit water for proper growth</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>
<b>AGROFORESTRY</b>			
Bamboo	Growing		<ul style="list-style-type: none"> <li>• Avoid cutting</li> <li>• Edible shoots can be harvested</li> </ul>
Toko Palm and other MPTs	Growing		<ul style="list-style-type: none"> <li>• Avoid injury</li> <li>• Weeding, cleaning recommended</li> </ul>
<b>Honey Bees</b>			
			<ul style="list-style-type: none"> <li>• Good season for trapping/catching of local honey bee colonies as this is the peak swarming season.</li> </ul>

			<ul style="list-style-type: none"><li>• Harvesting could be done or highly populated colonies should be divided.</li></ul>
<b>LIVESTOCKS</b>			
<b>Livestock</b>	<b>Stage</b>	<b>Disease</b>	<b>Precautionary Practices to be followed</b>
Pigs	All stages		<ul style="list-style-type: none"><li>• Deworming and vaccination as per recommended schedule.</li><li>• Provide adequate bedding material (paddy straw, rice husk) to newly born piglets.</li></ul>
Poultry	All stages		<ul style="list-style-type: none"><li>• Provide proper bedding materials (Straw, rice husk etc)</li><li>• Deworming at regular interval</li><li>• Provide warmth@ 2 watt/chick</li><li>• Close ventilation and openings in houses</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>
Cattle/Mithun	All stages	FMD	<ul style="list-style-type: none"><li>• Deworming with antihelminthic drugs like oxcyclozanide or pyrantel.</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: 20<sup>th</sup> to 23<sup>rd</sup> December, 2016)

ग्रामीण कृषि मौसम सेवा

GRAMIN KRISHI MAUSAM SEWA

(Integrated Agro-Meteorological Advisory Services)

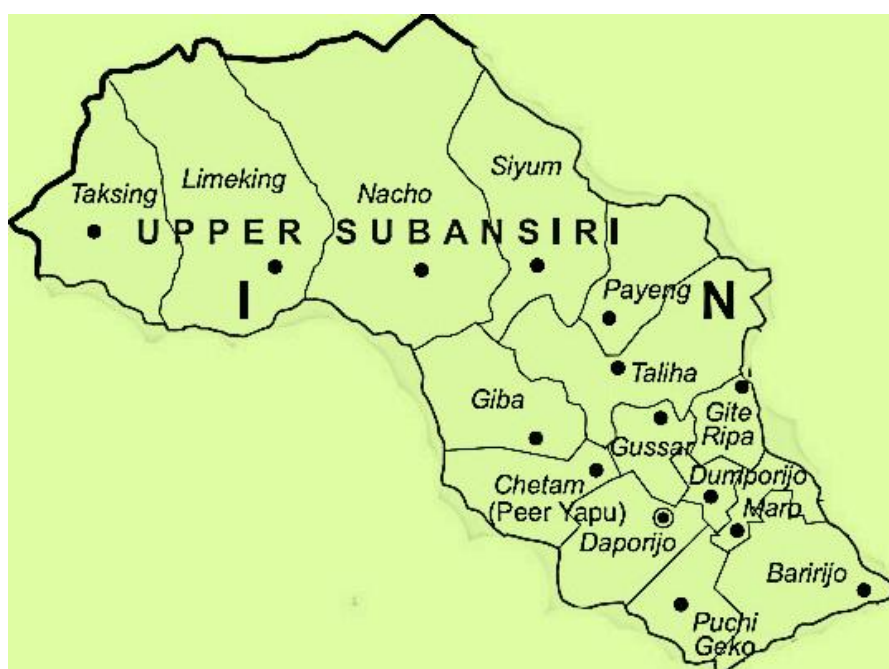


ICAR Research Complex for NEH Region  
Arunachal Pradesh Centre, Basar-791101

**District: Upper Subansiri**

No: 102/2015-16/Tue

Dated: 20<sup>th</sup> Dec., 2016



Weather summary of the previous week	Weather forecast valid up to 23 <sup>rd</sup> Dec., 2016
Rainfall = 0.0 mm (Puchi Geko); Daporijo: 0.0 mm	<b>Generally clear/dry weather forecasted.</b> Max Temp=13°C and Min Temp=0°C, RH=31-91, Wind Speed=4-7 kmph, Wind direction: W
<b>Warning</b>	<b>NIL</b>

### Weather Based Agro-meteorological Advisories Bulletin

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

Crop	Stage	Pest/Disease	Precautionary Practices to be followed
<b>FIELD CROPS</b>			
Wetland Rice	Harvesting		<ul style="list-style-type: none"> <li>Proper sundry before storing</li> </ul>
Potato	vegetative		<ul style="list-style-type: none"> <li>Weeding and application of fertilizer as per recommended doses is suggested in potato.</li> <li>Soil moisture conservation techniques like mulching with crop residue and provide life saving irrigation to the crops recommended.</li> </ul>
Pea	Vegetative	Powdery mildew	<ul style="list-style-type: none"> <li>Soil moisture conservation techniques like mulching with crop residue and provide life saving irrigation to the crops recommended.</li> <li>Foliar spray of urea@2% for moisture stress</li> <li>Stacking may be carried out</li> </ul>
Black Gram & Green Gram	Vegetative		<ul style="list-style-type: none"> <li>Life saving irrigation and mulching recommended</li> </ul>
Mustard/rapeseed	Vegetative	White Rust Alternaria blight Aphids	<ul style="list-style-type: none"> <li>Soil moisture conservation techniques like mulching with crop residue and provide life saving irrigation to the crops recommended.</li> <li>Spray <a href="#">Blitox@0.25%</a> at 10-15 days interval</li> <li>Spray <a href="#">IndofilM-45@2.5g/l</a> as preventive measure against alternaria blight and dimethoate 30 EC@3ml/lit for aphid in mustard.</li> </ul>
<b>VEGETABLES</b>			
Winter vegetables/ rabi crops	Seedling/vegetative	Cut worm/ leaf eating insects	<ul style="list-style-type: none"> <li>Life saving irrigation and mulching</li> <li>Spray Azadirachtin 0.15% EC 2@ 6ml/lit against leaf eating insects in vegetables</li> </ul>
Cabbage/Cauliflower	Vegetative	Nutritional Deficiency	<ul style="list-style-type: none"> <li>Life saving irrigation and mulching recommended</li> <li>Spray micronutrients like <a href="#">Multiplex or Tracel @0.2%</a></li> <li>Azadirachtin 0.03% (neem oil based WSP) @ 5lit/1000lit water/ha against Aphids, DBM, Cabbage Worm, Cabbage looper etc</li> </ul>
<b>HORTICULTURAL CROPS</b>			
Citrus	Fruiting	Trunk borer, Fruit fly / pre-harvest fruit drop/ leaf miner	<ul style="list-style-type: none"> <li>Collect and dispose rotten fruits</li> <li>Spray micronutrient like Multiplex@ 0.2% to compensate nutritional deficiency in orange.</li> <li>Do drenching with 0.05% <i>Dichlorvos</i> at base of plant for rectification of trunk-borer.</li> <li>On sunny day spray Spinosad 2.5 sc@ 2ml/10 lit of water.</li> <li>Spray NAA@2ml/5lit of water to prevent pre-harvest fruit drop</li> <li>Install fruit fly traps</li> <li>Need based foliar spray of Cypermethrin@4g/10ml against leaf miner.</li> </ul>
Large Cardamom	Vegetative		<ul style="list-style-type: none"> <li>Remove dry, diseased and old tillers and branches and spray Bio NPK@2ml/lit water for proper growth</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>
<b>AGROFORESTRY</b>			
Bamboo	Growing		<ul style="list-style-type: none"> <li>Avoid cutting</li> <li>Edible shoots can be harvested</li> </ul>
Toko Palm and other MPTs	Growing		<ul style="list-style-type: none"> <li>Avoid injury</li> <li>Weeding, cleaning recommended</li> </ul>
<b>Honey Bees</b>			
			<ul style="list-style-type: none"> <li>Good season for trapping/catching of local honey bee colonies as this is the peak swarming season.</li> </ul>

			<ul style="list-style-type: none"> <li>Harvesting could be done or highly populated colonies should be divided.</li> </ul>
<b>LIVESTOCKS</b>			
<b>Livestock</b>	<b>Stage</b>	<b>Disease</b>	<b>Precautionary Practices to be followed</b>
Pigs	All stages		<ul style="list-style-type: none"> <li>Deworming and vaccination as per recommended schedule.</li> <li>Provide adequate bedding material (paddy straw, rice husk) to newly born piglets.</li> </ul>
Poultry	All stages		<ul style="list-style-type: none"> <li>Provide proper bedding materials (Straw, rice husk etc)</li> <li>Deworming at regular interval</li> <li>Provide warmth@ 2 watt/chick</li> <li>Close ventilation and openings in houses</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>
Cattle/Mithun	All stages	FMD	<ul style="list-style-type: none"> <li>Deworming with antihelmintic drugs like oxclozanide or pyrantel.</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: 20<sup>th</sup> to 23<sup>rd</sup> December, 2016)

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: West Kameng**

No: 102/2015-16/Tue

Dated: 20<sup>th</sup> Dec., 2016



Weather summary of the previous week	Weather forecast valid up to 23 <sup>rd</sup> Dec., 2016
Rainfall = Bomdila: 0.0 mm NA; Bhalukpong: 0.0 mm	Generally clear/dry weather forecasted. Max Temp=14°C and Min Temp=3°C, RH=36-82%, Wind Speed=4-6 kmph, Wind direction: SSE
<b>Warning:</b>	<b>NIL</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

<ul style="list-style-type: none"> <li>• Use fertilizers/pesticides as per recommended doses for the location</li> <li>• Preference must be given on use of organic manures/bio-fertilizers &amp; bio-pesticides</li> <li>• ICAR Basar recommend poultry variety VANARAJA for backyard rearing</li> </ul>			
Crop	Stage	Pest/Disease	Precautionary Practices to be followed
<b>FIELD CROPS</b>			
Wetland Rice	Harvesting		<ul style="list-style-type: none"> <li>• Proper sundry before storing</li> </ul>
Potato	vegetative		<ul style="list-style-type: none"> <li>• Weeding and application of fertilizer as per recommended doses is suggested in potato.</li> <li>• Soil moisture conservation techniques like mulching with crop residue and provide life saving irrigation to the crops recommended.</li> </ul>
Pea	Vegetative	Powdery mildew	<ul style="list-style-type: none"> <li>• Soil moisture conservation techniques like mulching with crop residue and provide life saving irrigation to the crops recommended.</li> <li>• Foliar spray of urea@2% for moisture stress</li> <li>• Stacking may be carried out</li> </ul>
Black Gram & Green Gram	Vegetative		<ul style="list-style-type: none"> <li>• Life saving irrigation and mulching recommended</li> </ul>
Mustard/rapeseed	Vegetative	White Rust Alternaria blight Aphids	<ul style="list-style-type: none"> <li>• Soil moisture conservation techniques like mulching with crop residue and provide life saving irrigation to the crops recommended.</li> <li>• Spray <a href="#">Blitox@0.25%</a> at 10-15 days interval</li> <li>• Spray <a href="#">IndofilM-45@2.5g/l</a> as preventive measure against alternaria blight and dimethoate 30 EC@3ml/lit for aphid in mustard.</li> </ul>
<b>VEGETABLES</b>			
Winter vegetables/ rabi crops	Seedling/vegetative	Cut worm/ leaf eating insects	<ul style="list-style-type: none"> <li>• Life saving irrigation and mulching</li> <li>• Spray Azadirachtin 0.15% EC 2@ 6ml/lit against leaf eating insects in vegetables</li> </ul>
Cabbage/Cauliflower	Vegetative	Nutritional Deficiency	<ul style="list-style-type: none"> <li>• Life saving irrigation and mulching recommended</li> <li>• Spray micronutrients like <a href="#">Multiplex or Tracel @0.2%</a></li> <li>• Azadirachtin 0.03% (neem oil based WSP) @ 5lit/1000lit water/ha against Aphids, DBM, Cabbage Worm, Cabbage looper etc</li> </ul>
<b>HORTICULTURAL CROPS</b>			
Citrus	Fruiting	Trunk borer, Fruit fly / pre-harvest fruit drop/ leaf miner	<ul style="list-style-type: none"> <li>• Collect and dispose rotten fruits</li> <li>• Spray micronutrient like Multiplex@ 0.2% to compensate nutritional deficiency in orange.</li> <li>• Do drenching with 0.05% <i>Dichlorvos</i> at base of plant for rectification of trunk-borer.</li> <li>• On sunny day spray Spinosad 2.5 sc@ 2ml/10 lit of water.</li> <li>• Spray NAA@2ml/5lit of water to prevent pre-harvest fruit drop</li> <li>• Install fruit fly traps</li> <li>• Need based foliar spray of Cypermethrin@4g/10ml against leaf miner.</li> </ul>
Large Cardamom	Vegetative		<ul style="list-style-type: none"> <li>• Remove dry, diseased and old tillers and branches and spray Bio NPK@2ml/lit water for proper growth</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>
<b>AGROFORESTRY</b>			
Bamboo	Growing		<ul style="list-style-type: none"> <li>• Avoid cutting</li> <li>• Edible shoots can be harvested</li> </ul>
Toko Palm and other MPTs	Growing		<ul style="list-style-type: none"> <li>• Avoid injury</li> <li>• Weeding, cleaning recommended</li> </ul>
<b>Honey Bees</b>			

			<ul style="list-style-type: none"> <li>• Good season for trapping/catching of local honey bee colonies as this is the peak swarming season.</li> <li>• Harvesting could be done or highly populated colonies should be divided.</li> </ul>
<b>LIVESTOCKS</b>			
<b>Livestock</b>	<b>Stage</b>	<b>Disease</b>	<b>Precautionary Practices to be followed</b>
Pigs	All stages		<ul style="list-style-type: none"> <li>• Deworming and vaccination as per recommended schedule.</li> <li>• Provide adequate bedding material (paddy straw, rice husk) to newly born piglets.</li> </ul>
Poultry	All stages		<ul style="list-style-type: none"> <li>• Provide proper bedding materials (Straw, rice husk etc)</li> <li>• Deworming at regular interval</li> <li>• Provide warmth@ 2 watt/chick</li> <li>• Close ventilation and openings in houses</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>
Cattle/Mithun	All stages	FMD	<ul style="list-style-type: none"> <li>• Deworming with antihelmintic drugs like oxclozanide or pyrantel.</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: 20<sup>th</sup> to 23<sup>rd</sup> December, 2016)

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: West Siang**

No: 102/2015-16/Tue

Dated: 20<sup>th</sup> Dec., 2016



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

Weather summary of the previous week	Weather forecast valid up to 13 <sup>th</sup> Dec., 2016
Rainfall = 0.0 mm. T. Max: 21.5°C, T. Min: 6.0 °C, RH: 50-99%, Wind Speed: 3-7 kmps, Wind Direction: ENE	Generally clear/dry weather forecasted. Max Temp=23°C and Min Temp=10°C, RH=30-88%, Wind Speed=4-6 kmph, Wind direction: WSW
<b>Warning:</b>	<b>NIL</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>			
Wetland Rice	Harvesting		<ul style="list-style-type: none"> <li>• Proper sundry before storing</li> </ul>
Potato	vegetative		<ul style="list-style-type: none"> <li>• Weeding and application of fertilizer as per recommended doses is suggested in potato.</li> <li>• Soil moisture conservation techniques like mulching with crop residue and provide life saving irrigation to the crops recommended.</li> </ul>
Pea	Vegetative	Powdery mildew	<ul style="list-style-type: none"> <li>• Soil moisture conservation techniques like mulching with crop residue and provide life saving irrigation to the crops recommended.</li> <li>• Foliar spray of urea@2% for moisture stress</li> <li>• Stacking may be carried out</li> </ul>
Black Gram & Green Gram	Vegetative		<ul style="list-style-type: none"> <li>• Life saving irrigation and mulching recommended</li> </ul>
Mustard/rapeseed	Vegetative	White Rust Alternaria blight Aphids	<ul style="list-style-type: none"> <li>• Soil moisture conservation techniques like mulching with crop residue and provide life saving irrigation to the crops recommended.</li> <li>• Spray <a href="#">Blitox@0.25%</a> at 10-15 days interval</li> <li>• Spray <a href="#">Indofilm-45@2.5g/l</a> as preventive measure against alternaria blight and dimethoate 30 EC@3ml/lit for aphid in mustard.</li> </ul>
<b>VEGETABLES</b>			
Winter vegetables/ rabi crops	Seedling/vegetative	Cut worm/ leaf eating insects	<ul style="list-style-type: none"> <li>• Life saving irrigation and mulching</li> <li>• Spray Azadirachtin 0.15% EC 2@ 6ml/lit against leaf eating insects in vegetables</li> </ul>
Cabbage/Cauliflower	Vegetative	Nutritional Deficiency	<ul style="list-style-type: none"> <li>• Life saving irrigation and mulching recommended</li> <li>• Spray micronutrients like <a href="#">Multiplex or Tracel @0.2%</a></li> <li>• Azadirachtin 0.03% (neem oil based WSP) @ 5lit/1000lit water/ha against Aphids, DBM, Cabbage Worm, Cabbage looper etc</li> </ul>
<b>HORTICULTURAL CROPS</b>			
Citrus	Fruiting	Trunk borer, Fruit fly / pre-harvest fruit drop/ leaf miner	<ul style="list-style-type: none"> <li>• Collect and dispose rotten fruits</li> <li>• Spray micronutrient like Multiplex@ 0.2% to compensate nutritional deficiency in orange.</li> <li>• Do drenching with 0.05% <i>Dichlorvos</i> at base of plant for rectification of trunk-borer.</li> <li>• On sunny day spray Spinosad 2.5 sc@ 2ml/10 lit of water.</li> <li>• Spray NAA@2ml/5lit of water to prevent pre-harvest fruit drop</li> <li>• Install fruit fly traps</li> <li>• Need based foliar spray of Cypermethrin@4g/10ml against leaf miner.</li> </ul>
Large Cardamom	Vegetative		<ul style="list-style-type: none"> <li>• Remove dry, diseased and old tillers and branches and spray Bio NPK@2ml/lit water for proper growth</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>

AGROFORESTRY			
Bamboo	Growing		<ul style="list-style-type: none"> <li>• Avoid cutting</li> <li>• Edible shoots can be harvested</li> </ul>
Toko Palm and other MPTs	Growing		<ul style="list-style-type: none"> <li>• Avoid injury</li> <li>• Weeding, cleaning recommended</li> </ul>
Honey Bees			
			<ul style="list-style-type: none"> <li>• Good season for trapping/catching of local honey bee colonies as this is the peak swarming season.</li> <li>• Harvesting could be done on highly populated colonies should be divided.</li> </ul>
LIVESTOCKS			
Livestock	Stage	Disease	Precautionary Practices to be followed
Pigs	All stages		<ul style="list-style-type: none"> <li>• Deworming and vaccination as per recommended schedule.</li> <li>• Provide adequate bedding material (paddy straw, rice husk) to newly born piglets.</li> </ul>
Poultry	All stages		<ul style="list-style-type: none"> <li>• Provide proper bedding materials (Straw, rice husk etc)</li> <li>• Deworming at regular interval</li> <li>• Provide warmth@ 2 watt/chick</li> <li>• Close ventilation and openings in houses</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>
Cattle/Mithun	All stages	FMD	<ul style="list-style-type: none"> <li>• Deworming with antihelmintic drugs like oxclozanide or pyrantel.</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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