

# कृषि मौसम सलाहकार सेवा पत्रिका

## Agro-met Advisory Bulletin

(Period: 28<sup>th</sup> February to 2<sup>nd</sup> March, 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/2018/17**

**Dated: Tue, 27<sup>th</sup> February, 2018**



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

| Weather summary of the previous week | Weather forecast valid up to 4 <sup>th</sup> March 2018  |
|--------------------------------------|--|
| No weather summary available         | <b>Mostly cloudy with possibility of moderate to heavy rainfall.</b><br>Daily maximum and minimum temperature for the following period is predicted to be 17-18°C and 08°C respectively. Expected morning and evening relative humidity will be 87-100% and 49-68% respectively. Wind direction is mainly SSE with average wind speed range of 5-8 kmph. |
| <b>Warning:</b>                      | <ul style="list-style-type: none"><li>• Nil</li></ul>  |

### Weather Based Agro-meteorological Advisories Bulletin

#### General Recommendations

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

| Crop                       | Stage                                 | Pest/Disease   | Precautionary Practices to be followed  |
|----------------------------|---------------------------------------|--|---|
| <b>FIELD CROPS</b>         |                                       |  |   |
| Pea                        | Pod formation                         | Powdery mildew/ leaf eating insects  | ❖ Need based foliar spray of Dinocap (0.2%) or Carbendazim 50WP (0.1%) or Propiconazole (0.1%) on clear/dry days or using sticker in case of heavy infestation  |
| Toria/ Mustard             | Seed formation                        | Aphids   | ❖ In case of heavy infestation, Spray Dimethoate 30EC @2ml/litre against aphids in Rapeseed/Mustard using sticker.  |
| <b>VEGETABLES</b>          |                                       |  |   |
| Ginger/ Turmeric           | Maturity                              |  | ❖ Harvest the mature crop on clear day,<br>❖ Cure should be taken while harvest so that the rhizome is not damaged,   |
| Potato                     | Vegetative stage/<br>Harvesting stage | Late blight/<br>Red ant  | ❖ Avoid harvesting<br>❖ <b>Store already harvested crops in a cool, well ventilated place/ do not wash before storing as dampness promotes early spoilage.</b><br>❖ Regularly monitor against the disease symptoms. Prominent symptoms include small, dark, circular to irregular shaped lesion in the leaves<br>❖ Prophylactic spraying of Mancozeb @ 2 gram per 4 litres of water is advised using stickers in case of rainfall..   |
| Cabbage/<br>Cauliflower    | Harvesting                            |  | ❖ <b>Harvest mature crop.</b><br>❖ <b>Constantly monitor against attack of insects pests/mole.</b>  |
| <b>HORTICULTURAL CROPS</b> |                                       |  |   |
| Kiwi                       | Pruning/Training                      |  | ❖ <b>Diseased and senile branches should be removed.</b><br>❖ <b>Pruning should be done retaining 8-10 buds per branch for enhancing new flush and flowering.</b><br>❖ <b>Pruned healthy hard wood of pencil thickness size having 4-5 buds can be used as cutting for propagation</b>  |
| Banana                     | Bunching                              | Cold   | ❖ Cover newly emerged bunches with locally available sack to protect from cold/frost<br>❖ Mulching with straw/crop residue at root zone to avoid frost injury in banana.  |
| Pineapple                  | Harvesting                            |  | ❖ <b>After winter harvest, collection/Selection of suckers &amp; slip to be done for next season planting</b>   |
| Citrus                     | Maturity/<br>harvesting               | Bark eating caterpillar,<br>Trunk borer,<br>Blue & Green mould                           | ❖ <b>Orange (only if harvesting is over): Go for drenching with Dichlorovos 76 EC@0.05%</b> against trunk-borer on dry days.<br>❖ <b>On clear weather or using sticker, against Blue &amp; Green mould, spray Imazalil 34 WP @ 1g/lit. Prune away the diseased portion of the plant.</b><br>❖ In case of Bark eating caterpillar, remove the wooden frass present in between the joints of the trunk and inject Dichlorovos (DDVP) 76 EC 0.1 percent @ 5ml in the larval tunnel with the help of disposable syringe and push cotton swab soaked in Dichlorovos solution in the larval tunnel. |
| <b>LIVESTOCKS</b>          |                                       |  |   |
| Livestock                  | Stage                                 | Disease  | ❖ Precautionary Practices to be followed  |
| Poultry                    | All stages                            |  | ❖ <b>Provide shelter to the backyard/scavenging poultry. Feed grains in the morning/evening to supplement scavenging.</b><br>❖ Day old chick-Maintain warmth by lighting,<br>❖ In present weather conditions protect the birds from cold by using gunny bags/plastic sheets around the poultry shed during night,<br>❖ Provide heat by lighting 100W bulb @ 1 bulb per 20 newly born chicks.  |
| Pigs                       | All stages                            | FMD (high fever and appearance of mucous membrane of the mouth and foot.)<br>Swine Fever | ❖ <b>Avoid dampness and cover weak and sick animals with sack cloth.</b><br>❖ <b>The bedding is always dry and that there is plenty.</b><br>❖ <b>If possible wooden sleeping box should be provided.</b><br>❖ Animals should be given lukewarm feed and water.<br>❖ Right time to deworm with anti helmetic drugs (particularly Tapeworms) viz. Fento Plus @ 1 tablet per 30 kg body weight.  |
| Fishery                    |                                       |  | ❖ <b>Keep fish stoking density thin @1200/ha</b>  |
| Cattle                     | All stages                            | FMD  | ❖ <b>Animals should be given lukewarm feed and water.</b>   |

|   |  |     |  |
|---|--|-----|--|
|   |  |     | <ul style="list-style-type: none"><li>❖ <b>Right time to deworm with anti helmetic drugs (particularly Tapeworms) viz. Fento Plus @ 1 tablet per 30 kg body weight.</b></li><li>❖ Provide proper bedding materials especially to new-born and lukewarm food &amp; water</li><li>❖ Provide feed supplements</li></ul> |
| Mithun  |  | FMD | <ul style="list-style-type: none"><li>❖ Polyvalent FMD vaccine with serotype O, A and Asia at 6 months of age and repeat after that 6 months interval by sub-cutaneous route. Pregnant animals above 7 months of pregnancy should be avoided from vaccination.</li></ul>   |
| <b>Contact Scientists (ICAR) or State Agril Staff or KVK staff for measures against adverse conditions or call at 03795-226237/226247</b> |  |     |  |

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: 28<sup>th</sup> February to 2<sup>nd</sup> March, 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/2018/17**

**Dated: Tue, 27<sup>th</sup> February, 2018**



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

| Weather summary of the previous week       | Weather forecast valid up to 4 <sup>th</sup> March 2018  |
|--|--|
| Rainfall = Changlang: 0.0 mm Miao: 18.8 mm | <b>Sunny to partly cloudy with possibility of light/moderate rainfall.</b> Daily maximum and minimum temperature for the following period is predicted to be 22-23°C and 12-13°C respectively. Expected morning and evening relative humidity will be 64-98% and 22-28% respectively. Wind direction is mainly E with speed range of 4-6 kmph. |
| <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>  |                                       |  |   |
| Pea   | Pod mature                            | Birds  | <ul style="list-style-type: none"> <li>❖ Harvest of green pods,</li> <li>❖ Use of scare crow and tying of bird scare tape around the crop field,</li> </ul>   |
| Toria/ Mustard  | Vegetative/<br>Flowering              | Aphid  | <ul style="list-style-type: none"> <li>❖ Harvesting of mature crop,</li> <li>❖ Drying of harvested crop to protect against disease development,</li> <li>❖ <b>Spraying of dimethoate @ 2 ml per litre of water is advise during clear/dry days or using stickers</b></li> </ul>   |
| Maize   | Siliquea maturation and harvest       | Rats   | <ul style="list-style-type: none"> <li>❖ Protect the crop against attack of rats using locally available traps,</li> <li>❖ When rat menace has occurred application of multi dose rodenticide like bromadiolone with proper consultation with experts is advised.</li> </ul>  |
| <b>VEGETABLES</b>   |                                       |  |   |
| French Bean   | Sowing                                |  | <ul style="list-style-type: none"> <li>❖ In present weather conditions, sowing of quality seeds may be done,</li> <li>❖ Treat the seeds with Imidacloprid 17SL @1ml/litre/ kilogram seed before sowing.</li> </ul>  |
| Okra  | Sowing                                |  | <ul style="list-style-type: none"> <li>❖ Procure quality seed from certified agency.</li> </ul>   |
| Potato  | Vegetative stage/<br>Harvesting stage | Late blight/<br>Red ant  | <ul style="list-style-type: none"> <li>❖ <b>Avoid harvesting</b></li> <li>❖ <b>If already harvested, store in a cool, well ventilated place/ do not wash before storing as dampness promotes early spoilage.</b></li> <li>❖ Regularly monitor against the disease symptoms. Prominent symptoms include small, dark, circular to irregular shaped lesion in the leaves</li> <li>❖ Prophylactic spraying of Mancozeb @ 2 gram per 4 litres of water is advised using stickers in case of rainfall..</li> </ul>  |
| Cabbage/<br>Cauliflower   | Harvesting                            |  | <ul style="list-style-type: none"> <li>❖ <b>Harvest mature crop.</b></li> <li>❖ <b>Constantly monitor against attack of insects pests/mole.</b></li> </ul>  |
| Ginger/ Turmeric  | Maturity                              |  | <ul style="list-style-type: none"> <li>❖ Harvest the mature crop,</li> <li>❖ Cure should be taken while harvest so that the rhizome is not damaged,</li> </ul>  |
| <b>HORTICULTURAL CROPS</b>  |                                       |  |   |
| Citrus  | Maturity/<br>harvesting               | Bark eating caterpillar,<br>Trunk borer,<br>Blue & Green mould | <ul style="list-style-type: none"> <li>❖ <b>Orange (only if harvesting is over): Go for drenching with Dichlorovos 76 <u>EC@0.05%</u> against trunk-borer.</b></li> <li>❖ <b>Against Blue &amp; Green mould, spray Imazalil 34 WP @ 1g/lit. Prune away the diseased portion of the plant using sticker in case of rainfall.</b></li> <li>❖ In case of Bark eating caterpillar, remove the wooden frass present in between the joints of the trunk and inject Dichlorovos (DDVP) 76 EC 0.1 percent @ 5ml in the larval tunnel with the help of disposable syringe and push cotton swab soaked in Dichlorovos solution in the larval tunnel.</li> </ul> |
| Banana  | Bunching                              | Cold   | <ul style="list-style-type: none"> <li>❖ Cover newly emerged bunches with locally available sack to protect from cold/frost</li> <li>❖ <b>Mulching with straw/crop residue at root zone to avoid frost injury in banana.</b></li> </ul>   |
| <b>HONEY BEES</b>   |                                       |  |   |
| Honey bees  |                                       |  | <ul style="list-style-type: none"> <li>❖ Box must be covered with straw/dry leaves to provide warmth</li> <li>❖ Provide sugar syrup</li> </ul>  |
| <b>LIVESTOCKS</b>   |                                       |  |   |
| Livestock   | Stage                                 | Disease  | ❖ Precautionary Practices to be followed  |
| ❖ <b>General</b><br>❖ Damaged grain (not fungus contaminated) to be diverted for Poultry/livestock feeding<br>❖ Clean drinking water should be ensured round the clock and water troughs/feeders should be regularly cleaned, |                                       |  |   |
| Poultry   | All stages                            |  | <ul style="list-style-type: none"> <li>❖ <b>Provide shelter to the backyard/scavenging poultry. Feed grains in the morning/evening to supplement scavenging.</b></li> <li>❖ Day old chick-Maintain warmth by lighting,</li> </ul>   |
| Pigs  | All stages                            |  | <ul style="list-style-type: none"> <li>❖ <b>Avoid dampness and cover weak and sick animals with</b></li> </ul>  |

|   |            |     |  |
|---|------------|-----|--|
|   |            |     | <b>sack cloth.</b><br>❖ Right time to deworm with anti helmetic drugs (particularly Tapeworms) viz. Fento Plus @ 1 tablet per 30 kg body weight.   |
| Goat  | All stages |     | ❖ Deworming for gastrointestinal parasite  |
| Cattle  | All stages | FMD | ❖ <b>Right time to deworm with anti helmetic drugs (particularly Tapeworms) viz. Fento Plus @ 1 tablet per 30 kg body weight.</b><br>❖ Provide proper bedding materials especially to new-born and lukewarm food & water<br>❖ Provide feed supplements |
| <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: 28<sup>th</sup> February to 2<sup>nd</sup> March, 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/2018/17**

**Dated: Tue, 27<sup>th</sup> February, 2018**



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

| Weather summery of the previous week | Weather forecast valid up to 4 <sup>th</sup> March 2018  |
|--------------------------------------|--|
| Rainfall = 6.0 mm (Anini)            | <b>Mostly/Partly cloudy with possibility of light/moderate rainfall.</b><br>Daily maximum and minimum temperature for the following period is predicted to be 18-19°C and 08-09°C respectively. Expected morning and evening relative humidity will be 95-97% and 50-80% respectively. Wind direction is mainly SE & SSE with speed range of 6-8 kmph. |
| <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 spray operation only on dry/clear weather.
- Go for low cost polyhouses for year round cultivation of vegetables
- Obtain seeds from reputed/certified/reliable source
- Use fertilizers/pesticides as per recommended doses for the location
- Preference must be given on use of organic manures/bio-fertilizers & bio-pesticides
- ICAR Basar recommend poultry variety VANARAJA for backyard rearing

| Crop  | Stage                | Pest/Disease   | Precautionary Practices to be followed  |
|---|----------------------|--|---|
| <b>FIELD CROPS</b>  |                      |  |   |
| Pea   | Pod formation        | Powdery mildew/ leaf eating insects  | ❖ In case of heavy infestation, need based foliar spray of Dinocap (0.2%) or Carbendazim 50WP (0.1%) or Propiconazole (0.1%) during clear/dry days or using appropriate sticker.  |
| Toria/ Mustard  | Seed formation       | Aphids   | ❖ In case of heavy infestation, on clear/dry days or using sticker, spray Dimethoate 30EC @2ml/litre against aphids in Rapeseed/Mustard.  |
| <b>VEGETABLES</b>   |                      |  |   |
| Potato  | Maturity/ Harvesting |  | ❖ <b>Avoid harvesting</b><br>❖ Store already harvested potatoes in a cool, well ventilated place/ do not wash before storing as dampness promotes early spoilage.   |
| Cabbage/ Cauliflower  | Harvesting           |  | ❖ <b>Harvest mature crop.</b><br>❖ <b>Constantly monitor against attack of insects pests/mole.</b>  |
| <b>HORTICULTURAL CROPS</b>  |                      |  |   |
| Kiwi  | Pruning/Training     |  | ❖ <b>Diseased and senile branches should be removed.</b><br>❖ <b>Pruning should be done retaining 8-10 buds per branch for enhancing new flush and flowering.</b><br>❖ <b>Pruned healthy hard wood of pencil thickness size having 4-5 buds can be used as cutting for propagation</b>  |
| Citrus  | Maturity/ harvesting | Bark eating caterpillar, Trunk borer, Blue & Green mould                                 | ❖ <b>Orange (only if harvesting is over): Go for drenching with Dichlorovos 76 <a href="#">EC@0.05%</a> against trunk-borer on dry days.</b><br>❖ <b>On clear weather or using sticker, against Blue &amp; Green mould, spray Imazalil 34 WP @ 1g/lit. Prune away the diseased portion of the plant.</b><br>❖ In case of Bark eating caterpillar, remove the wooden frass present in between the joints of the trunk and inject Dichlorovos (DDVP) 76 EC 0.1 percent @ 5ml in the larval tunnel with the help of disposable syringe and push cotton swab soaked in Dichlorovos solution in the larval tunnel. |
| Banana  | Bunching             | Cold   | ❖ Cover newly emerged bunches with locally available sack to protect from cold/frost<br>❖ <b>Mulching with straw/crop residue at root zone to avoid frost injury in banana.</b>   |
| Temperate fruits  | After harvesting     |  | ❖ Training & pruning of the temperate crops (apple/pears/peach) is recommended  |
| <b>Honey Bees</b>   |                      |  |   |
| Honey bees  |                      |  | ❖ Cover the boxes with locally available dry grass or straw to provide warmth<br>❖ Provide sugar syrup in a bowl in front of the box in case of heavy rainfall  |
| <b>LIVESTOCKS</b>   |                      |  |   |
| Livestock   | Stage                | Disease  | Precautionary Practices to be followed  |
| ❖ <b>General</b><br>❖ <b>Damaged grain (not fungus contaminated) to be diverted for Poultry/livestock feeding</b><br>❖ <b>Clean drinking water should be ensured round the clock and water troughs/feeders should be regularly cleaned,</b> |                      |  |   |
| Poultry   | All stages           |  | ❖ <b>Provide shelter to the backyard/scavenging poultry. Feed grains in the morning/evening to supplement scavenging.</b><br>❖ Day old chick-Maintain warmth by lighting,<br>❖ In present weather conditions protect the birds from cold by using gunny bags/plastic sheets around the poultry shed during night,<br>❖ Provide heat by lighting 100W bulb @ 1 bulb per 20 newly born chicks.  |
| Pigs  | All stages           | FMD (high fever and appearance of mucous membrane of the mouth and foot.)<br>Swine Fever | ❖ <b>Avoid dampness and cover weak and sick animals with sack cloth.</b><br>❖ <b>The bedding is always dry and that there is plenty.</b><br>❖ <b>If possible wooden sleeping box should be provided.</b><br>❖ Animals should be given lukewarm feed and water.<br>❖ Right time to deworm with anti helmetic drugs (particularly   |



|  |            |     |   |
|--|------------|-----|---|
|  |            |     | Tapeworms) viz. Fento Plus @ 1 tablet per 30 kg body weight.  |
| Cattle   | All stages | FMD | <ul style="list-style-type: none"><li>❖ <b>Animals should be given lukewarm feed and water.</b></li><li>❖ <b>Right time to deworm with anti helmetic drugs (particularly Tapeworms) viz. Fento Plus @ 1 tablet per 30 kg body weight.</b></li><li>❖ Provide proper bedding materials especially to new-born and lukewarm food &amp; water</li><li>❖ Heavy mortality in cloven footed animals has been reported.</li><li>❖ Supportive treatment of infected animals under supervision of veterinary department officials,</li><li>❖ Avoid mixing of infected and healthy animals,</li><li>❖ Keep infected animals separated from the healthy ones,</li><li>❖ Vaccinate the healthy animals against FMD (Through State Veterinary Dept.)</li><li>❖ Provide feed supplements</li></ul> |
| Mithun   |            | FMD | <ul style="list-style-type: none"><li>❖ Polyvalent FMD vaccine with serotype O, A and Asia at 6 months of age and repeat after that 6 months interval by sub-cutaneous route.</li><li>❖ Pregnant animals above 7 months of pregnancy should be avoided.</li></ul>   |
| 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: 28<sup>th</sup> February to 2<sup>nd</sup> March, 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/2018/17**

**Dated: Tue, 27<sup>th</sup> February, 2018**



| Weather summary of the previous week | Weather forecast valid up to 4 <sup>th</sup> March 2018   |
|--------------------------------------|---|
| Rainfall = 0.0 mm                    | Mostly cloudy with possibility light/moderate rain. Daily maximum and minimum temperature for the following period is predicted to be 21-22°C and 11°C respectively. Expected morning and evening relative humidity will be 84-95% and 39-47% respectively. Expected wind direction is mainly S with speed range of 5 kmph. |
| <b>Warning:</b>                      | <ul style="list-style-type: none"> <li><b>Rain in few isolated places</b></li> </ul>  |

### Weather Based Agro-meteorological Advisories Bulletin

#### General Recommendations

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

| Crop   | Stage                                 | Pest/Disease   | Precautionary Practices to be followed  |
|--|---------------------------------------|--|---|
| <b>FIELD CROPS</b>   |                                       |  |   |
| Pea  | Pod mature                            | Birds  | <ul style="list-style-type: none"> <li>❖ Harvest of green pods,</li> <li>❖ Use of scare crow and tying of bird scare tape around the crop field,</li> </ul>   |
| ❖ <b>VEGETABLES</b>  |                                       |  |   |
| Potato   | Vegetative stage/<br>Harvesting stage | Late blight/<br>Red ant  | <ul style="list-style-type: none"> <li>❖ Avoid harvesting</li> <li>❖ Regularly monitor against the disease symptoms. Prominent symptoms include small, dark, circular to irregular shaped lesion in the leaves</li> <li>❖ Prophylactic spraying of Mancozeb @ 2 gram per 4 litres of water is advised using stickers in case of rainfall..</li> </ul>   |
| Cabbage/<br>Cauliflower  | Harvesting                            |  | <ul style="list-style-type: none"> <li>❖ Harvest mature crop.</li> <li>❖ Constantly monitor against attack of insects pests/mole.</li> </ul>  |
| <b>HORTICULTURAL CROPS</b>   |                                       |  |   |
| Citrus   | Maturity/<br>harvesting               | Bark eating caterpillar,<br>Trunk borer,<br>Blue & Green mould | <ul style="list-style-type: none"> <li>❖ Orange (only if harvesting is over): Go for drenching with Dichlorovos 76 EC@0.05% against trunk-borer.</li> <li>❖ Against Blue &amp; Green mould, spray Imazalil 34 WP @ 1g/lit on clear/dry day. Prune away the diseased portion of the plant.</li> <li>❖ In case of Bark eating caterpillar, remove the wooden frass present in between the joints of the trunk and inject Dichlorovos (DDVP) 76 EC 0.1 percent @ 5ml in the larval tunnel with the help of disposable syringe and push cotton swab soaked in Dichlorovos solution in the larval tunnel.</li> </ul> |
| Banana   | Bunching                              | Cold   | <ul style="list-style-type: none"> <li>❖ Cover newly emerged bunches with locally available sack to protect from cold/frost</li> <li>❖ Mulching with straw/crop residue at root zone to avoid frost injury in banana.</li> </ul>  |
| Large Cardamom   | Vegetative/<br>flowering stage        |  | <ul style="list-style-type: none"> <li>❖ Provide proper drainage to avoid water stagnation in the base of the plants.</li> </ul>  |
| <b>LIVESTOCKS</b>  |                                       |  |   |
| Livestock  | Stage                                 | Disease  | ❖ Precautionary Practices to be followed  |
| ❖ General<br>❖ Damaged grain (not fungus contaminated) to be diverted for Poultry/livestock feeding<br>❖ Clean drinking water should be ensured round the clock and water troughs/feeders should be regularly cleaned, |                                       |  |   |
| Poultry  | All stages                            |  | <ul style="list-style-type: none"> <li>❖ Provide shelter to the backyard/scavenging poultry. Feed grains in the morning/evening to supplement scavenging.</li> <li>❖ Day old chick-Maintain warmth by lighting.</li> </ul>  |
| Pigs   | All stages                            |  | <ul style="list-style-type: none"> <li>❖ Avoid dampness and cover weak and sick animals with sack cloth.</li> <li>❖ Right time to deworm with anti helmetic drugs (particularly Tapeworms) viz. Fento Plus @ 1 tablet per 30 kg body weight.</li> </ul>   |
| Goat   | All stages                            |  | <ul style="list-style-type: none"> <li>❖ Deworming for gastrointestinal parasite</li> </ul>   |
| Cattle   | All stages                            | FMD  | <ul style="list-style-type: none"> <li>❖ Right time to deworm with anti helmetic drugs (particularly Tapeworms) viz. Fento Plus @ 1 tablet per 30 kg body weight.</li> <li>❖ Provide proper bedding materials especially to new-born and lukewarm food &amp; water</li> <li>❖ Provide feed supplements</li> </ul>   |
| 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>  |
| <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: 28<sup>th</sup> February to 2<sup>nd</sup> March, 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/2018/17**

**Dated: Tue, 27<sup>th</sup> February, 2018**



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

| Weather summary of the previous week                          | Weather forecast valid up to 4 <sup>th</sup> March 2018   |
|---|---|
| Rainfall: 0.6 mm; T. Max: 28.0°C; T. Min: 16.0°C ; RH: 51-96% | <b>Partly cloudy with possibility of light/moderate rainfall after 28<sup>th</sup> Feb.</b> Daily maximum and minimum temperature for the following period is predicted to be 22-24°C and 14-15°C respectively. Expected morning and evening relative humidity will be 78-86% and 30-49% respectively. Expected wind direction is mainly variable with speed range of 5-6 kmph. |
| <b>Warning:</b>   | <ul style="list-style-type: none"><li><b>Nil</b></li></ul>  |

### Weather Based Agro-meteorological Advisories Bulletin

#### General Recommendations

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

| Crop   | Stage                                 | Pest/Disease   | Precautionary Practices to be followed  |
|--|---------------------------------------|--|---|
| <b>FIELD CROPS</b>   |                                       |  |   |
| Pea  | Pod mature                            | Birds  | <ul style="list-style-type: none"> <li>❖ Harvest of green pods,</li> <li>❖ Use of scare crow and tying of bird scare tape around the crop field,</li> </ul>   |
| Toria/ Mustard   | Vegetative/<br>Flowering              | Aphid  | <ul style="list-style-type: none"> <li>❖ Harvesting of mature crop,</li> <li>❖ If only infestation is high, Spraying of dimethoate @ 2 ml per litre of water is advised using proper sticker,</li> </ul>  |
| <b>VEGETABLES</b>  |                                       |  |   |
| Potato   | Vegetative stage/<br>Harvesting stage | Red ant  | <ul style="list-style-type: none"> <li>❖ Avoid harvesting</li> <li>❖ If already harvested, <b>Store in a cool, well ventilated place/ do not wash before storing as dampness promotes early spoilage.</b></li> </ul>  |
| French Bean  | Sowing                                |  | <ul style="list-style-type: none"> <li>❖ In present weather conditions, sowing of quality seeds may be done,</li> <li>❖ Treat the seeds with Imidacloprid 17SL @1ml/litre/ kilogram seed before sowing.</li> </ul>  |
| Okra   | Sowing                                |  | <ul style="list-style-type: none"> <li>❖ Procure quality seed from certified agency.</li> </ul>   |
| Cabbage/<br>Cauliflower  | Harvesting                            |  | <ul style="list-style-type: none"> <li>❖ Harvest mature crop.</li> <li>❖ Constantly monitor against attack of insects pests/mole.</li> </ul>  |
| Ginger/ Turmeric   | Maturity                              |  | <ul style="list-style-type: none"> <li>❖ Harvest the mature crop,</li> <li>❖ Cure should be taken while harvest so that the rhizome is not damaged,</li> </ul>  |
| <b>HORTICULTURAL CROPS</b>   |                                       |  |   |
| Kiwi   | Pruning/Training                      |  | <ul style="list-style-type: none"> <li>❖ Diseased and senile branches should be removed.</li> <li>❖ Pruning should be done retaining 8-10 buds per branch for enhancing new flush and flowering.</li> <li>❖ Pruned healthy hard wood of pencil thickness size having 4-5 buds can be used as cutting for propagation</li> </ul>   |
| Citrus   | Maturity/<br>harvesting               | Bark eating caterpillar, <b>leaf miner, citrus psylla and blackfly</b> | <ul style="list-style-type: none"> <li>❖ In case of Bark eating caterpillar, remove the wooden frass present in between the joints of the trunk and inject Dichlorovos (DDVP) 76 EC 0.1 percent @ 5ml in the larval tunnel with the help of disposable syringe and push cotton swab soaked in Dichlorovos solution in the larval tunnel.</li> <li>❖ <b>On clear/dry day spray Monocrotophos 1.5ml or Quinalphos 2 ml in one litre of water. Repeat the application after 10 days if leaf miner &amp; citrus psylla attack persist.</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  |
| ❖ General<br>❖ Damaged grain (not fungus contaminated) to be diverted for Poultry/livestock feeding<br>❖ Clean drinking water should be ensured round the clock and water troughs/feeders should be regularly cleaned, |                                       |  |   |
| Poultry  | All stages                            |  | <ul style="list-style-type: none"> <li>❖ Provide shelter to the backyard/scavenging poultry. Feed grains in the morning/evening to supplement scavenging.</li> <li>❖ Day old chick-Maintain warmth by lighting,</li> </ul>  |
| Pigs   | All stages                            |  | <ul style="list-style-type: none"> <li>❖ <b>Avoid dampness and cover weak and sick animals with sack cloth.</b></li> <li>❖ Right time to deworm with anti helmetic drugs (particularly Tapeworms) viz. Fento Plus @ 1 tablet per 30 kg body weight.</li> </ul>  |
| Goat   | All stages                            |  | <ul style="list-style-type: none"> <li>❖ Deworming for gastrointestinal parasite</li> </ul>   |
| Cattle   | All stages                            | FMD  | <ul style="list-style-type: none"> <li>❖ <b>Right time to deworm with anti helmetic drugs (particularly Tapeworms) viz. Fento Plus @ 1 tablet per 30 kg body weight.</b></li> <li>❖ Provide proper bedding materials especially to new-born and lukewarm food &amp; water</li> <li>❖ Provide feed supplements</li> </ul>  |
| <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: 28<sup>th</sup> February to 2<sup>nd</sup> March, 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/2018/17**

**Dated: Tue, 27<sup>th</sup> February, 2018**



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

| Weather summary of the previous week | Weather forecast valid up to 4 <sup>th</sup> March 2018  |
|--------------------------------------|--|
| Past weather summary not available   | <b>Partly cloudy with possibility of light/moderate rain.</b> Daily maximum and minimum temperature for the following period is predicted to be 15-16°C and 06-07°C respectively. Expected morning and evening relative humidity will be 69-92% and 31-67% respectively. Wind direction is mainly S with wind speed range of 2-6 kmph. |
| 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 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
- Disinfecting the animal/bird sheds with lime powder/ bleaching powder/ 4%NaOH at regular interval is advocated

| Crop  | Stage                                 | Pest/Disease   | Precautionary Practices to be followed   |
|---|---------------------------------------|--|--|
| <b>FIELD CROPS</b>  |                                       |  |  |
| Pea   | Pod formation                         | Powdery mildew/ leaf eating insects                            | ❖ Need based foliar spray of Dinocap (0.2%) or Carbendazim 50WP (0.1%) or Propiconazole (0.1%) in case of heavy infestation using proper stickers.   |
| Toria/ Mustard  | Seed formation                        | Aphids   | ❖ <b>Avoid spray operation</b><br>❖ In case of heavy infestation, Spray Dimethoate 30EC @2ml/litre against aphids in Rapeseed/Mustard using appropriate stickers@ 1ml/lit.   |
| <b>VEGETABLES</b>   |                                       |  |  |
| Potato  | Vegetative stage/<br>Harvesting stage | Late blight/<br>Red ant  | ❖ <b>Avoid harvesting</b><br>❖ Regularly monitor against the disease symptoms. Prominent symptoms include small, dark, circular to irregular shaped lesion in the leaves<br>❖ Prophylactic spraying of Mancozeb @ 2 gram per 4 litres of water is advised using stickers in case of rainfall..   |
| Cabbage/<br>Cauliflower   | Harvesting                            |  | ❖ <b>Harvest mature crop.</b><br>❖ <b>Constantly monitor against attack of insects pests/mole.</b>   |
| <b>HORTICULTURAL CROPS</b>  |                                       |  |  |
| Temperate fruits  | After harvesting                      |  | ❖ Training & pruning of the temperate crops (apple/pears/peach) is recommended<br>❖ <b>In case of flowering, stop spraying insecticides/pesticides</b>   |
| Citrus  | Maturity/<br>harvesting               | Bark eating caterpillar,<br>Trunk borer,<br>Blue & Green mould | ❖ <b>Orange (only if harvesting is over): Go for drenching with Dichlorovos 76 EC@0.05%</b> against trunk-borer.<br>❖ <b>Against Blue &amp; Green mould, spray Imazalil 34 WP @ 1g/lit using sticker in case of rainfall. Prune away the diseased portion of the plant.</b><br>❖ In case of Bark eating caterpillar, remove the wooden frass present in between the joints of the trunk and inject Dichlorovos (DDVP) 76 EC 0.1 percent @ 5ml in the larval tunnel with the help of disposable syringe and push cotton swab soaked in Dichlorovos solution in the larval tunnel. |
| Pineapple   | Harvesting                            |  | ❖ <b>After winter harvest, collection/Selection of suckers &amp; slip to be done for next season planting</b>  |
| Banana  | Bunching                              | Cold   | ❖ Cover newly emerged bunches with locally available sack to protect from cold/frost<br>❖ <b>Mulching with straw/crop residue at root zone to avoid frost injury in banana.</b>  |
| Kiwi  | Pruning/Training                      |  | ❖ <b>Diseased and senile branches should be removed.</b><br>❖ <b>Pruning should be done retaining 8-10 buds per branch for enhancing new flush and flowering.</b><br>❖ <b>Pruned healthy hard wood of pencil thickness size having 4-5 buds can be used as cutting for propagation</b>   |
| <b>Honey Bees</b>   |                                       |  |  |
|   |                                       |  | ❖ Box must be covered with straw/dry leaves to provide warmth  |
| <b>LIVESTOCKS</b>   |                                       |  |  |
| <b>General</b><br>❖ Damaged grain (not fungus contaminated) to be diverted for Poultry/livestock feeding<br>❖ Clean drinking water should be ensured round the clock and water troughs/feeders should be regularly cleaned, |                                       |  |  |
| Livestock   | Stage                                 | Disease  | Precautionary Practices to be followed   |
| Cattle  | All stages                            | FMD  | ❖ Animals should be given lukewarm feed and water.<br>❖ <b>Right time to deworm with anti helmetic drugs (particularly Tapeworms) viz. Fento Plus @ 1 tablet per 30 kg body weight.</b><br>❖ Provide proper bedding materials especially to new-born and lukewarm food & water<br>❖ Provide feed supplements   |
| Poultry   | All stages                            |  | ❖ <b>Provide shelter to the backyard/scavenging poultry. Feed grains in the morning/evening to supplement scavenging.</b><br>❖ Day old chick-Maintain warmth by lighting,<br>❖ In present weather conditions protect the birds from cold by using gunny bags/plastic sheets around the poultry shed during night,  |

|   |            |  |  |
|---|------------|--|--|
|   |            |  | <ul style="list-style-type: none"><li>❖ Provide heat by lighting 100W bulb @ 1 bulb per 20 newly born chicks.</li></ul>  |
| Pigs  | All stages | FMD (high fever and appearance of mucous membrane of the mouth and foot.)<br>Swine Fever | <ul style="list-style-type: none"><li>❖ <b>Avoid dampness and cover weak and sick animals with sack cloth.</b></li><li>❖ <b>The bedding is always dry and that there is plenty.</b></li><li>❖ <b>If possible wooden sleeping box should be provided.</b></li><li>❖ Animals should be given lukewarm feed and water.</li><li>❖ Right time to deworm with anti helmetic drugs (particularly Tapeworms) viz. Fento Plus @ 1 tablet per 30 kg body weight.</li></ul> |
| 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: 28<sup>th</sup> February to 2<sup>nd</sup> March, 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/2018/17**

**Dated: Tue, 27<sup>th</sup> February, 2018**



| Weather summary of the previous week | Weather forecast valid up to 4 <sup>th</sup> March 2018   |
|--------------------------------------|---|
| Rainfall = 15.0 mm                   | <b>Sunny to partly cloudy with possibility of light/moderate rainfall.</b><br>Daily maximum and minimum temperature for the following period is predicted to be 22-23°C and 12-13°C respectively. Expected morning and evening relative humidity will be 74-96% and 28-47% respectively. Wind direction is mainly ENE with speed range of 6 kmph. |
| <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 poly-houses for year round cultivation of vegetables**
- **Obtain seeds from reputed/certified/reliable source**
- **Use fertilizers/pesticides as per recommended doses for the location**
- **Preference must be given on use of organic manures/bio-fertilizers & bio-pesticides**
- **ICAR Basar recommend poultry variety VANARAJA for backyard rearing.**

| Crop  | Stage                                  | Pest/Disease   | Precautionary Practices to be followed  |
|---|--|--|---|
| <b>FIELD CROPS</b>  |  |  |   |
| Pea   | Pod mature                             | Birds  | <ul style="list-style-type: none"> <li>❖ Harvest of green pods,</li> <li>❖ Use of scare crow and tying of bird scare tape around the crop field,</li> </ul>   |
| Toria/ Mustard  | Vegetative/<br>Flowering               | Aphid  | <ul style="list-style-type: none"> <li>❖ <b>Harvest mature crops on clear/dry days</b></li> <li>❖ <b>In case of heavy infestation, Spraying of dimethoate @ 2 ml per litre of water is advised using proper stickers@ 1ml/lit,</b></li> </ul>   |
| Maize   | Vegetative/<br>Maturity/<br>Harvesting | Rats   | <ul style="list-style-type: none"> <li>❖ Protect the mature crop against attack of rats using locally available traps,</li> <li>❖ When rat menace has occurred application of multi dose rodenticide like bromadiolone with proper consultation with experts is advised.</li> </ul>   |
| <b>VEGETABLES</b>   |  |  |   |
| French Bean   | Sowing                                 |  | <ul style="list-style-type: none"> <li>❖ In present weather conditions, sowing of quality seeds may be done,</li> <li>❖ Treat the seeds with Imidacloprid 17SL @1ml/litre/ kilogram seed before sowing.</li> </ul>  |
| Okra  | Sowing                                 |  | <ul style="list-style-type: none"> <li>❖ Procure quality seed from certified agency.</li> </ul>   |
| Potato  | Vegetative stage/<br>Harvesting stage  | Late blight/<br>Red ant  | <ul style="list-style-type: none"> <li>❖ Avoid harvesting</li> <li>❖ Regularly monitor against the disease symptoms. Prominent symptoms include small, dark, circular to irregular shaped lesion in the leaves</li> <li>❖ Prophylactic spraying of Mancozeb @ 2 gram per 4 litres of water is advised using stickers in case of rainfall..</li> </ul>   |
| Cabbage/<br>Cauliflower   | Harvesting                             |  | <ul style="list-style-type: none"> <li>❖ <b>Harvest mature crop.</b></li> <li>❖ <b>Constantly monitor against attack of insects pests/mole.</b></li> </ul>  |
| Ginger/ Turmeric  | Maturity                               |  | <ul style="list-style-type: none"> <li>❖ Harvest the mature crop,</li> <li>❖ Cure should be taken while harvest so that the rhizome is not damaged,</li> </ul>  |
| <b>HORTICULTURAL CROPS</b>  |  |  |   |
| Citrus  | Maturity/<br>harvesting                | Bark eating caterpillar, <b>leaf miner, citrus psylla and blackfly</b> | <ul style="list-style-type: none"> <li>❖ In case of Bark eating caterpillar, remove the wooden frass present in between the joints of the trunk and inject Dichlorovos (DDVP) 76 EC 0.1 percent @ 5ml in the larval tunnel with the help of disposable syringe and push cotton swab soaked in Dichlorovos solution in the larval tunnel.</li> <li>❖ <b>On clear/dry day spary Monocrotophos 1.5ml or Quinalphos 2 ml in one litre of water. Repeat the application after 10 days if leaf miner &amp; citrus psylla attack persist.</b></li> </ul> |
| Kiwi  | Pruning/Training                       |  | <ul style="list-style-type: none"> <li>❖ Diseased and senile branches should be removed.</li> <li>❖ Pruning should be done retaining 8-10 buds per branch for enhancing new flush and flowering.</li> <li>❖ Pruned healthy hard wood of pencil thickness size having 4-5 buds can be used as cutting for propagation</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 on clear/dry days.</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 using stickers</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  |
| <ul style="list-style-type: none"> <li>❖ <b>General</b></li> <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> |  |  |   |

|  |            |     |   |
|--|------------|-----|---|
| Poultry  | All stages |     | <ul style="list-style-type: none"><li>❖ Provide shelter to the backyard/scavenging poultry. Feed grains in the morning/evening to supplement scavenging.</li><li>❖ Day old chick-Maintain warmth by lighting,</li></ul>   |
| Pigs   | All stages |     | <ul style="list-style-type: none"><li>❖ Avoid dampness and cover weak and sick animals with sack cloth.</li><li>❖ Right time to deworm with anti helmetic drugs (particularly Tapeworms) viz. Fento Plus @ 1 tablet per 30 kg body weight.</li></ul>  |
| Goat   | All stages |     | <ul style="list-style-type: none"><li>❖ Deworming for gastrointestinal parasite</li></ul>   |
| Cattle   | All stages | FMD | <ul style="list-style-type: none"><li>❖ Right time to deworm with anti helmetic drugs (particularly Tapeworms) viz. Fento Plus @ 1 tablet per 30 kg body weight.</li><li>❖ Provide proper bedding materials especially to new-born and lukewarm food &amp; water</li><li>❖ Provide feed supplements</li></ul> |
| 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: 28<sup>th</sup> February to 2<sup>nd</sup> March, 2018)

ग्रामीण कृषि मौसम सेवा

GRAMIN KRISHI MAUSAM SEWA

(Integrated Agro-Meteorological Advisory Services)

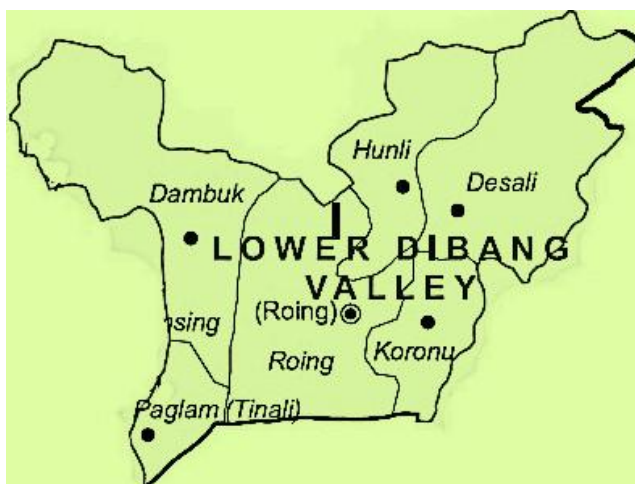


AMFU, ICAR Research Complex for NEH Region  
Arunachal Pradesh Centre, Basar-791101

**District: Lower Dibang Valley**

No: AMFU-Basar/2018/17

Dated: Tue, 27<sup>th</sup> February, 2018



| Weather summary of the previous week | Weather forecast valid up to 4 <sup>th</sup> March 2018  |
|--------------------------------------|--|
| Rainfall = 0.0 mm (Roing)            | Mostly cloudy with possibility of light/moderate rain. Daily maximum and minimum temperature for the following period is predicted to be 21-22°C and 11°C respectively. Expected morning and evening relative humidity will be 89-100% and 36-73% respectively. Wind direction is mainly ESE with speed range of 6 kmph. |
| 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
- 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   | Pod mature                         | Birds  | <ul style="list-style-type: none"> <li>❖ Harvest of green pods,</li> <li>❖ Use of scare crow and tying of bird scare tape around the crop field,</li> </ul>   |
| Toria/ Mustard  | Vegetative/ Flowering              | Aphid  | ❖ In case of heavy infestation, Spraying of dimethoate @ 2 ml per litre of water is advised using appropriate stickers,   |
| Maize   | Vegetative/ Maturity/ Harvesting   | Rats   | <ul style="list-style-type: none"> <li>❖ Protect the mature crop against attack of rats using locally available traps,</li> <li>❖ When rat menace has occurred application of multi dose rodenticide like bromadiolone with proper consultation with experts is advised.</li> </ul>   |
| <b>VEGETABLES</b>   |                                    |  |   |
| French Bean   | Sowing                             |  | <ul style="list-style-type: none"> <li>❖ In present weather conditions, sowing of quality seeds may be done,</li> <li>❖ Treat the seeds with Imidacloprid 17SL @1ml/litre/ kilogram seed before sowing.</li> </ul>  |
| Okra  | Sowing                             |  | ❖ Procure quality seed from certified agency.   |
| Potato  | Vegetative stage/ Harvesting stage | Late blight/ Red ant   | <ul style="list-style-type: none"> <li>❖ <b>Avoid harvesting</b></li> <li>❖ Regularly monitor against the disease symptoms. Prominent symptoms include small, dark, circular to irregular shaped lesion in the leaves</li> <li>❖ Prophylactic spraying of Mancozeb @ 2 gram per 4 litres of water is advised using stickers in case of rainfall..</li> </ul>  |
| Cabbage/ Cauliflower  | Harvesting                         |  | <ul style="list-style-type: none"> <li>❖ <b>Harvest mature crop.</b></li> <li>❖ <b>Constantly monitor against attack of insects pests/mole.</b></li> </ul>  |
| <b>HORTICULTURAL CROPS</b>  |                                    |  |   |
| Citrus  | Maturity/ harvesting               | Bark eating caterpillar, <b>leaf miner, citrus psylla and blackfly</b> | <ul style="list-style-type: none"> <li>❖ In case of Bark eating caterpillar, remove the wooden frass present in between the joints of the trunk and inject Dichlorovos (DDVP) 76 EC 0.1 percent @ 5ml in the larval tunnel with the help of disposable syringe and push cotton swab soaked in Dichlorovos solution in the larval tunnel.</li> <li>❖ <b>On clear/dry day spary Monocrotophos 1.5ml or Quinalphos 2 ml in one litre of water. Repeat the application after 10 days if leaf miner &amp; citrus psylla attack persist.</b></li> </ul> |
| Large Cardamom  | Fruiting                           | Chirkey Disease  | ❖ <b>Remove dry/diseased/old tillers &amp; branches &amp; spray Bio NPK@ 2ml/lit water for proper growth on clear/dry days.</b>   |
| Banana  | Multiple stages                    | Sigatoka Leaf spot   | <ul style="list-style-type: none"> <li>❖ One sword sucker may be allowed after shooting (Flowering),</li> <li>❖ Periodical removal of side suckers by cutting them above the ground level, scoop the core and pour 2 ml of kerosene in the core,</li> <li>❖ Foliar spray of Propiconazole (e.g., Tilt) @ 1 ml per litre of wate using stickers in case of rainfall.</li> </ul>  |
| <b>Honey Bees</b>   |                                    |  |   |
| Honey bees  |                                    |  | ❖ Box must be covered with straw/dry leaves to provide warmth   |
| <b>LIVESTOCKS</b>   |                                    |  |   |
| Livestock   | Stage                              | Disease  | ❖ Precautionary Practices to be followed  |
| ❖ <b>General</b><br>❖ Damaged grain (not fungus contaminated) to be diverted for Poultry/livestock feeding<br>❖ Clean drinking water should be ensured round the clock and water troughs/feeders should be regularly cleaned, |                                    |  |   |
| Poultry   | All stages                         |  | <ul style="list-style-type: none"> <li>❖ <b>Provide shelter to the backyard/scavenging poultry. Feed grains in the morning/evening to supplement scavenging.</b></li> <li>❖ Day old chick-Maintain warmth by lighting,</li> </ul>   |
| Pigs  | All stages                         |  | <ul style="list-style-type: none"> <li>❖ <b>Avoid dampness and cover weak and sick animals with sack cloth.</b></li> <li>❖ Right time to deworm with anti helmetic drugs (particularly Tapeworms) viz. Fento Plus @ 1 tablet per 30 kg body weight.</li> </ul>  |
| Goat  | All stages                         |  | ❖ Deworming for gastrointestinal parasite   |
| Cattle  | All stages                         | FMD  | ❖ <b>Right time to deworm with anti helmetic drugs (particularly Tapeworms) viz. Fento Plus @ 1 tablet per 30</b>   |

|   |  |  |   |
|---|--|--|---|
|   |  |  | <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>❖ Provide feed supplements</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: 28<sup>th</sup> February to 2<sup>nd</sup> March, 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/2018/17**

**Dated: Tue, 27<sup>th</sup> February, 2018**



| Weather summary of the previous week | Weather forecast valid up to 4 <sup>th</sup> March 2018  |
|--------------------------------------|--|
| Rainfall = NA                        | <b>Mostly/Partly cloudy with possibility of light/moderate rainfall.</b><br>Daily maximum and minimum temperature for the following period is predicted to be 22-23°C and 14-15°C respectively. Expected morning and evening relative humidity will be 91-94% and 37-70% respectively. Wind direction is mainly variable with speed range of 2-4 kmph. |
| <b>Warning:</b>                      | <ul style="list-style-type: none"><li>• Nil</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   | Pod formation                         | Powdery mildew/ leaf eating insects                                       | ❖ In case of heavy infestation, need based foliar spray of Dinocap (0.2%) or Carbendazim 50WP (0.1%) or Propiconazole (0.1%) using stickers.  |
| Toria/ Mustard  | Seed formation                        | Aphids  | ❖ Spray Dimethoate 30EC @2ml/litre against aphids in Rapeseed/Mustard on clear/dry days.  |
| <b>VEGETABLES</b>   |                                       |   |   |
| Potato  | Vegetative stage/<br>Harvesting stage | Late blight/<br>Red ant   | ❖ Avoid harvesting under current weather condition.<br>❖ Regularly monitor against the disease symptoms. Prominent symptoms include small, dark, circular to irregular shaped lesion in the leaves<br>❖ Prophylactic spraying of Mancozeb @ 2 gram per 4 litres of water is advised using stickers in case of rainfall..  |
| Cabbage/<br>Cauliflower   | Harvesting                            |   | ❖ <b>Harvest mature crop.</b><br>❖ <b>Constantly monitor against attack of insects pests/mole.</b>  |
| <b>HORTICULTURAL CROPS</b>  |                                       |   |   |
| Kiwi  | Pruning/Training                      |   | ❖ <b>Diseased and senile branches should be removed.</b><br>❖ <b>Pruning should be done retaining 8-10 buds per branch for enhancing new flush and flowering.</b><br>❖ <b>Pruned healthy hard wood of pencil thickness size having 4-5 buds can be used as cutting for propagation</b>  |
| Citrus  | Maturity/<br>harvesting               | Bark eating caterpillar,<br>Trunk borer,<br>Blue & Green mould            | ❖ <b>Orange (only if harvesting is over): Go for drenching with Dichlorovos 76 <a href="#">EC@0.05%</a> against trunk-borer on dry days.</b><br>❖ <b>On clear weather or using sticker, against Blue &amp; Green mould, spray Imazalil 34 WP @ 1g/lit. Prune away the diseased portion of the plant.</b><br>❖ In case of Bark eating caterpillar, remove the wooden frass present in between the joints of the trunk and inject Dichlorovos (DDVP) 76 EC 0.1 percent @ 5ml in the larval tunnel with the help of disposable syringe and push cotton swab soaked in Dichlorovos solution in the larval tunnel. |
| Temperate fruits  | After harvesting                      |   | ❖ Training & pruning of the temperate crops (apple/pears/peach) is recommended<br>❖ <b>In case of flowering, stop spraying insecticides/pesticides</b>  |
| Banana  | Bunching                              | Cold  | ❖ Cover newly emerged bunches with locally available sack to protect from cold/frost<br>❖ <b>Mulching with straw/crop residue at root zone to avoid frost injury in banana.</b>   |
| <b>Agroforestry</b>   |                                       |   |   |
| Toko palm   | Nursery                               |   | ❖ Filling of nursery polybags for raising of takopalm seedlings   |
| <b>Honey Bees</b>   |                                       |   |   |
| Honey bees  |                                       |   | ❖ Box must be covered with straw/dry leaves to provide warmth   |
| <b>LIVESTOCKS</b>   |                                       |   |   |
| Livestock   | Stage                                 | Disease   | ❖ Precautionary Practices to be followed  |
| ❖ <b>General</b><br>❖ <b>Damaged grain (not fungus contaminated) to be diverted for Poultry/livestock feeding</b><br>❖ <b>Clean drinking water should be ensured round the clock and water troughs/feeders should be regularly cleaned,</b> |                                       |   |   |
| Poultry   | All stages                            |   | ❖ <b>Provide shelter to the backyard/scavenging poultry. Feed grains in the morning/evening to supplement scavenging.</b><br>❖ Day old chick-Maintain warmth by lighting,<br>❖ In present weather conditions protect the birds from cold by using gunny bags/plastic sheets around the poultry shed during night,<br>❖ Provide heat by lighting 100W bulb @ 1 bulb per 20 newly born chicks.  |
| Pigs  | All stages                            | FMD (high fever and appearance of mucous membrane of the mouth and foot.) | ❖ <b>Avoid dampness and cover weak and sick animals with sack cloth.</b><br>❖ <b>The bedding is always dry and that there is plenty.</b><br>❖ <b>If possible wooden sleeping box should be provided.</b>  |

|   |            |             |  |
|---|------------|-------------|--|
|   |            | 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></ul>  |
| Cattle  | All stages | FMD         | <ul style="list-style-type: none"><li>❖ <b>Animals should be given lukewarm feed and water.</b></li><li>❖ <b>Right time to deworm with anti helmetic drugs (particularly Tapeworms) viz. Fento Plus @ 1 tablet per 30 kg body weight.</b></li><li>❖ Provide proper bedding materials especially to new-born and lukewarm food &amp; water</li><li>❖ Provide feed supplements</li></ul> |
| Mithun  |            | FMD         | <ul style="list-style-type: none"><li>❖ Polyvalent FMD vaccine with serotype O, A and Asia at 6 months of age and repeat after that 6 months interval by sub-cutaneous route.</li><li>❖ Pregnant animals above 7 months of pregnancy should be avoided.</li></ul>  |
| <b>Contact Scientists (ICAR) or State Agril Staff or KVK staff for measures against adverse conditions or call at 03795-226237/226247</b> |            |             |  |

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Agrometeorological Field Unit  
ICAR, BASAR



# कृषि मौसम सलाहकार सेवा पत्रिका

## Agro-met Advisory Bulletin

(Period: 28<sup>th</sup> February to 2<sup>nd</sup> March, 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/2018/17

Dated: Tue, 27<sup>th</sup> February, 2018



| Weather summary of the previous week                          | Weather forecast valid up to 4 <sup>th</sup> March 2018  |
|---|--|
| Rainfall: 6.5 mm; T. Max: 28.0°C; T. Min: 15.0°C ; RH: 67-92% | Mostly cloudy with possibility of light/moderate rain. Daily maximum and minimum temperature for the following period is predicted to be 23-24°C and 13-14°C respectively. Expected morning and evening relative humidity will be 82-90% and 43-59% respectively. Expected wind direction mainly W & WNW with speed range of 5 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

- 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  | Pod mature                    | Birds  | ❖ Harvest of green pods,<br>❖ Use of scare crow and tying of bird scare tape around the crop field,   |
| Toria/ Mustard   | Vegetative/<br>Flowering      | Aphid  | ❖ Harvesting of mature crop,<br>❖ Drying of harvested crop to protect against disease development,<br>❖ Spraying of dimethoate @ 2 ml per litre of water is advised using sticker if the infestation is high,   |
| <b>VEGETABLES</b>  |                               |  |   |
| French Bean  | Sowing                        |  | ❖ In present weather conditions, sowing of quality seeds may be done,<br>❖ Treat the seeds with Imidacloprid 17SL @1ml/litre/ kilogram seed before sowing.  |
| Okra   | Sowing                        |  | ❖ Procure quality seed from certified agency.   |
| Potato   | Maturity/<br>Harvesting stage | Late blight/<br>Red ant  | ❖ Avoid harvesting<br>❖ Regularly monitor against the disease symptoms. Prominent symptoms include small, dark, circular to irregular shaped lesion in the leaves<br>❖ Prophylactic spraying of Mancozeb @ 2 gram per 4 litres of water is advised using stickers in case of rainfall..   |
| Cabbage/<br>Cauliflower  | Harvesting                    |  | ❖ Harvest mature crop.<br>❖ Constantly monitor against attack of insects pests/mole.  |
| Ginger/ Turmeric   | Maturity                      |  | ❖ Harvest the mature crop during clear/dry days,<br>❖ Cure should be taken while harvest so that the rhizome is not damaged,  |
| <b>HORTICULTURAL CROPS</b>   |                               |  |   |
| Citrus   | Maturity/<br>harvesting       | Bark eating caterpillar, <b>leaf miner, citrus psylla and blackfly</b> | ❖ In case of Bark eating caterpillar, remove the wooden frass present in between the joints of the trunk and inject Dichlorovos (DDVP) 76 EC 0.1 percent @ 5ml in the larval tunnel with the help of disposable syringe and push cotton swab soaked in Dichlorovos solution in the larval tunnel.<br>❖ <b>On clear/dry day spary Monocrotophos 1.5ml or Quinalphos 2 ml in one litre of water. Repeat the application after 10 days if leaf miner &amp; citrus psylla attack persist.</b> |
| Large Cardamom   | Vegetative                    |  | ❖ <b>Provide proper drainage to avoid water stagnation in the base of the plant.</b>  |
| Banana   | Multiple stages               | Sigatoka Leaf spot   | ❖ One sword sucker may be allowed after shooting (Flowering),<br>❖ Periodical removal of side suckers by cutting them above the ground level, scoop the core and pour 2 ml of kerosene in the core,<br>❖ Foliar spray of Propiconazole (e.g., Tilt) @ 1 ml per litre of water using stickers in case of rainfall  |
| <b>Honey Bees</b>  |                               |  |   |
| Honey bees   |                               |  | ❖ Box must be covered with straw/dry leaves to provide warmth   |
| <b>LIVESTOCKS</b>  |                               |  |   |
| Livestock  | Stage                         | Disease  | Precautionary Practices to be followed  |
| ❖ General<br>❖ Damaged grain (not fungus contaminated) to be diverted for Poultry/livestock feeding<br>❖ Clean drinking water should be ensured round the clock and water troughs/feeders should be regularly cleaned, |                               |  |   |
| Poultry  | All stages                    |  | ❖ Provide shelter to the backyard/scavenging poultry. Feed grains in the morning/evening to supplement scavenging.<br>❖ Day old chick-Maintain warmth by lighting,  |
| Pigs   | All stages                    |  | ❖ <b>Avoid dampness and cover weak and sick animals with sack cloth.</b><br>❖ Right time to deworm with anti helmetic drugs (particularly Tapeworms) viz. Fento Plus @ 1 tablet per 30 kg body weight.  |
| Goat   | All stages                    |  | ❖ Deworming for gastrointestinal parasite   |
| Cattle   | All stages                    | FMD  | ❖ <b>Right time to deworm with anti helmetic drugs (particularly Tapeworms) viz. Fento Plus @ 1 tablet per 30</b>   |

|   |  |  |   |
|---|--|--|---|
|   |  |  | <b>kg body weight.</b><br>❖ Provide proper bedding materials especially to new-born and lukewarm food & water<br>❖ Provide feed supplements |
| Fishery   |  |  | ❖ <b>Keep fish stoking density thin @1200/ha</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: 28<sup>th</sup> February to 2<sup>nd</sup> March, 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/2018/17

Dated: Tue, 27<sup>th</sup> February, 2018



| Weather summary of the previous week | Weather forecast valid up to 4 <sup>th</sup> March 2018   |
|--------------------------------------|---|
| Rainfall = 9.0 mm                    | Partly cloudy with possibility light/moderate rain. Daily maximum and minimum temperature for the following period is predicted to be 10°C and 2.0-4.0°C respectively. Expected morning and evening relative humidity will be 58-87% and 10-59% respectively. Wind direction is mainly WSW with probable speed range of 4-7 kmph. |
| Warning:                             | •   |

### Weather Based Agro-meteorological Advisories Bulletin

#### General Recommendations

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

| Crop  | Stage                                 | Pest/Disease   | Precautionary Practices to be followed   |
|---|---------------------------------------|--|--|
| <b>FIELD CROPS</b>  |                                       |  |  |
| Pea   | Pod formation                         | Powdery mildew/ leaf eating insects  | ❖ In case of heavy infestation, spray of Dinocap (0.2%) or Carbendazim 50WP (0.1%) or Propiconazole (0.1%) using sticker.  |
| <b>VEGETABLES</b>   |                                       |  |  |
| Potato  | Vegetative stage/<br>Harvesting stage | Late blight/<br>Red ant  | ❖ Avoid harvesting in present weather.<br>❖ Regularly monitor against the disease symptoms. Prominent symptoms include small, dark, circular to irregular shaped lesion in the leaves<br>❖ Prophylactic spraying of Mancozeb @ 2 gram per 4 litres of water is advised using stickers in case of rainfall.   |
| Cabbage/<br>Cauliflower   | Harvesting                            |  | ❖ <b>Harvest mature crop.</b><br>❖ <b>Constantly monitor against attack of insects pests/mole.</b>   |
| <b>HORTICULTURAL CROPS</b>  |                                       |  |  |
| Kiwi  | Pruning/Training                      |  | ❖ <b>Diseased and senile branches should be removed.</b><br>❖ <b>Pruning should be done retaining 8-10 buds per branch for enhancing new flush and flowering.</b><br>❖ <b>Pruned healthy hard wood of pencil thickness size having 4-5 buds can be used as cutting for propagation</b>   |
| Temperate fruits  | After harvesting                      |  | ❖ Training & pruning of the temperate crops (apple/pears/peach) is recommended<br>❖ <b>In case of flowering, stop spraying insecticides/pesticides</b>   |
| Banana  | Bunching                              | Cold   | ❖ Cover newly emerged bunches with locally available sack to protect from cold/frost<br>❖ <b>Mulching with straw/crop residue at root zone to avoid frost injury in banana.</b>  |
| <b>LIVESTOCKS</b>   |                                       |  |  |
| Livestock   | Stage                                 | Disease  | ❖ Precautionary Practices to be followed   |
| ❖ <b>General</b><br>❖ <b>Damaged grain (not fungus contaminated) to be diverted for Poultry/livestock feeding</b><br>❖ <b>Clean drinking water should be ensured round the clock and water troughs/feeders should be regularly cleaned,</b> |                                       |  |  |
| Poultry   | All stages                            |  | ❖ <b>Provide shelter to the backyard/scavenging poultry. Feed grains in the morning/evening to supplement scavenging.</b><br>❖ Day old chick-Maintain warmth by lighting,<br>❖ In present weather conditions protect the birds from cold by using gunny bags/plastic sheets around the poultry shed during night,<br>❖ Provide heat by lighting 100W bulb @ 1 bulb per 20 newly born chicks. |
| Yak   | All stages                            |  | ❖ <b>Feeding of concentrate feed along with mineral mixture and salt.</b><br>❖ <b>Hay feeding is recommended.</b>  |
| Pigs  | All stages                            | FMD (high fever and appearance of mucous membrane of the mouth and foot.)<br>Swine Fever | ❖ <b>Avoid dampness and cover weak and sick animals with sack cloth.</b><br>❖ <b>The bedding is always dry and that there is plenty.</b><br>❖ <b>If possible wooden sleeping box should be provided.</b><br>❖ Animals should be given lukewarm feed and water.<br>❖ Right time to deworm with anti helmetic drugs (particularly Tapeworms) viz. Fento Plus @ 1 tablet per 30 kg body weight. |
| Cattle  | All stages                            | FMD  | ❖ <b>Animals should be given lukewarm feed and water.</b><br>❖ <b>Right time to deworm with anti helmetic drugs (particularly Tapeworms) viz. Fento Plus @ 1 tablet per 30 kg body weight.</b><br>❖ Provide proper bedding materials especially to new-born and lukewarm food & water<br>❖ Provide feed supplements  |
| <b>Contact Scientists (ICAR) or State Agril Staff or KVK staff for measures against adverse conditions or call at 03795-226237/226247</b>   |                                       |  |  |





# कृषि मौसम सलाहकार सेवा पत्रिका

## Agro-met Advisory Bulletin

(Period: 28<sup>th</sup> February to 2<sup>nd</sup> March, 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/2018/17

Dated: Tue, 27<sup>th</sup> February, 2018



| Weather summary of the previous week | Weather forecast valid up to 4 <sup>th</sup> March 2018   |
|--------------------------------------|---|
| Rainfall = 18.0 mm                   | Mostly cloudy with possibility of light/moderate rain. Daily maximum and minimum temperature for the following period is predicted to be 23-24°C and 13-14°C respectively. Expected morning and evening relative humidity will be 77-100 % and 32-39% respectively. Wind direction is mainly variable with speed range of 2-6 kmph. |
| 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
- Use fertilizers/pesticides as per recommended doses for the location
- Preference must be given on use of organic manures/bio-fertilizers & bio-pesticides
- ICAR Basar recommend poultry variety VANARAJA for backyard rearing

| Crop  | Stage                                  | Pest/Disease   | Precautionary Practices to be followed   |
|---|--|--|--|
| <b>FIELD CROPS</b>  |  |  |  |
| Maize   | Vegetative/<br>Maturity/<br>Harvesting | Rats   | <ul style="list-style-type: none"> <li>❖ Protect the crop against attack of rats using locally available traps,</li> <li>❖ When rat menace has occurred application of multi dose rodenticide like bromadiolone with proper consultation with experts is advised.</li> </ul>   |
| Pea   | Pod mature                             | Birds  | <ul style="list-style-type: none"> <li>❖ <b>Harvest of green pods during clear days,</b></li> <li>❖ <b>Use of scare crow and tying of bird scare tape around the crop field,</b></li> </ul>  |
| Toria/ Mustard  | Vegetative/<br>Flowering               | Aphid  | <ul style="list-style-type: none"> <li>❖ Harvesting of mature crop during sunny/dry days,</li> <li>❖ Drying of harvested crop to protect against disease development,</li> <li>❖ <b>Spraying of dimethoate @ 2 ml per litre of water is advised using sticker in case of heavy infestation,</b></li> </ul>   |
| <b>VEGETABLES</b>   |  |  |  |
| French Bean   | Sowing                                 |  | <ul style="list-style-type: none"> <li>❖ In present weather conditions, sowing of quality seeds may be done,</li> <li>❖ Treat the seeds with Imidacloprid 17SL @1ml/litre/ kilogram seed before sowing.</li> </ul>   |
| Okra  | Sowing                                 |  | <ul style="list-style-type: none"> <li>❖ Procure quality seed from certified agency.</li> </ul>  |
| Potato  | Vegetative stage/<br>Harvesting stage  | Late blight/<br>Red ant  | <ul style="list-style-type: none"> <li>❖ Avoid <b>Harvesting</b></li> <li>❖ <b>If already harvested, Store in a cool, well ventilated place/ do not wash before storing as dampness promotes early spoilage.</b></li> <li>❖ Regularly monitor against the disease symptoms. Prominent symptoms include small, dark, circular to irregular shaped lesion in the leaves</li> <li>❖ Prophylactic spraying of Mancozeb @ 2 gram per 4 litres of water is advised using stickers in case of rainfall..</li> </ul>   |
| Cabbage/<br>Cauliflower   | Harvesting                             |  | <ul style="list-style-type: none"> <li>❖ <b>Harvest mature crop.</b></li> <li>❖ <b>Constantly monitor against attack of insects pests/mole.</b></li> </ul>   |
| Ginger/ Turmeric  | Maturity                               |  | <ul style="list-style-type: none"> <li>❖ Harvest the mature crop,</li> <li>❖ Cure should be taken while harvest so that the rhizome is not damaged,</li> </ul>   |
| <b>HORTICULTURAL CROPS</b>  |  |  |  |
| Citrus  | Maturity/<br>harvesting                | Bark eating caterpillar,<br>Trunk borer,<br>Blue & Green mould | <ul style="list-style-type: none"> <li>❖ <b>Orange (only if harvesting is over): Go for drenching with Dichlorovos 76 <u>EC@0.05%</u> against trunk-borer.</b></li> <li>❖ <b>Against Blue &amp; Green mould, spray Imazalil 34 WP @ 1g/lit using stickers in case of rainfall. Prune away the diseased portion of the plant.</b></li> <li>❖ In case of Bark eating caterpillar, remove the wooden frass present in between the joints of the trunk and inject Dichlorovos (DDVP) 76 EC 0.1 percent @ 5ml in the larval tunnel with the help of disposable syringe and push cotton swab soaked in Dichlorovos solution in the larval tunnel.</li> </ul> |
| Banana  | All stages                             | Sigatoka Leaf spot   | <ul style="list-style-type: none"> <li>❖ One sword sucker may be allowed after shooting (Flowering),</li> <li>❖ Periodical removal of side suckers by cutting them above the ground level, scoop the core and pour 2 ml of kerosene in the core,</li> <li>❖ Foliar spray of Propiconazole (e.g., Tilt) @ 1 ml per litre of water using stickers in case of rainfall</li> </ul>   |
| <b>Honey Bees</b>   |  |  |  |
|   |  |  | <ul style="list-style-type: none"> <li>❖ Box must be covered with straw/dry leaves to provide warmth</li> </ul>  |
| <b>LIVESTOCKS</b>   |  |  |  |
| Livestock   | Stage                                  | Disease  | ❖ <b>Precautionary Practices to be followed</b>  |
| ❖ <b>General</b><br>❖ <b>Damaged grain (not fungus contaminated) to be diverted for Poultry/livestock feeding</b><br>❖ <b>Clean drinking water should be ensured round the clock and water troughs/feeders should be regularly cleaned,</b> |  |  |  |
| Poultry   | All stages                             |  | <ul style="list-style-type: none"> <li>❖ <b>Provide shelter to the backyard/scavenging poultry. Feed grains in the morning/evening to supplement scavenging.</b></li> <li>❖ Day old chick-Maintain warmth by lighting,</li> </ul>  |

|   |            |     |  |
|---|------------|-----|--|
| Pigs  | All stages |     | <ul style="list-style-type: none"><li>❖ <b>Avoid dampness and cover weak and sick animals with sack cloth.</b></li><li>❖ Right time to deworm with anti helmetic drugs (particularly Tapeworms) viz. Fento Plus @ 1 tablet per 30 kg body weight.</li></ul>  |
| Goat  | All stages |     | <ul style="list-style-type: none"><li>❖ Deworming for gastrointestinal parasite</li></ul>  |
| Cattle  | All stages | FMD | <ul style="list-style-type: none"><li>❖ <b>Right time to deworm with anti helmetic drugs (particularly Tapeworms) viz. Fento Plus @ 1 tablet per 30 kg body weight.</b></li><li>❖ Provide proper bedding materials especially to new-born and lukewarm food &amp; water</li><li>❖ Provide feed supplements</li></ul> |
| <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: 28<sup>th</sup> February to 2<sup>nd</sup> March, 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/2018/17**

**Dated: Tue, 27<sup>th</sup> February, 2018**



| Weather summary of the previous week | Weather forecast valid up to 4 <sup>th</sup> March 2018   |
|--------------------------------------|---|
| Rainfall = 8.6 mm                    | <b>Partly cloudy with possibility of moderate rainfall on 28<sup>th</sup> Feb.</b><br>Daily maximum and minimum temperature for the following period is predicted to be 18°C and 09-11°C respectively. Expected morning and evening relative humidity will be 74-82% and 37-68% respectively. Wind direction is mainly SE & SSE with speed range of 4-6 kmph. |
| <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>  |                                    |  |   |
| Pea   | Vegetative                         | Powdery mildew/ leaf eating insects                                    | <ul style="list-style-type: none"> <li>❖ <b>Avoid/suspend all spray operations and application of fertilizers.</b></li> <li>❖ <b>In case of heavy infestation, spray of Dinocap (0.2%) or Carbendazim 50WP (0.1%) or Propiconazole (0.1%) on clear/dry days or using sticker advocated.</b></li> </ul>  |
| Toria/ Mustard  | Vegetative/ Flowering              |  | ❖ <b>Provide proper drainage facilities for the toria grown in the WRC field to protect them against heavy rainfall.</b>  |
| Maize   | Vegetative/ Maturity/ Harvesting   | Rats   | <ul style="list-style-type: none"> <li>❖ Prepare field for sowing of crop,</li> <li>❖ Protect the crop against attack of rats using locally available traps,</li> <li>❖ When rat menace has occurred application of multi dose rodenticide like bromadiolone with proper consultation with experts is advised.</li> </ul>   |
| <b>VEGETABLES</b>   |                                    |  |   |
| Potato  | Vegetative stage/ Harvesting stage | Late blight/ Red ant   | <ul style="list-style-type: none"> <li>❖ <b>Avoid harvesting</b></li> <li>❖ Regularly monitor against the disease symptoms. Prominent symptoms include small, dark, circular to irregular shaped lesion in the leaves</li> <li>❖ Prophylactic spraying of Mancozeb @ 2 gram per 4 litres of water is advised using stickers in case of rainfall..</li> </ul>  |
| Cabbage/ Cauliflower  | Harvesting                         |  | <ul style="list-style-type: none"> <li>❖ <b>Harvest mature crop.</b></li> <li>❖ <b>Constantly monitor against attack of insects pests/mole.</b></li> </ul>  |
| Ginger/ Turmeric  | Maturity                           |  | <ul style="list-style-type: none"> <li>❖ Harvest the mature crop,</li> <li>❖ Cure should be taken while harvest so that the rhizome is not damaged,</li> </ul>  |
| <b>HORTICULTURAL CROPS</b>  |                                    |  |   |
| Citrus  | Maturity/ harvesting               | Bark eating caterpillar, <b>leaf miner, citrus psylla and blackfly</b> | <ul style="list-style-type: none"> <li>❖ In case of Bark eating caterpillar, remove the wooden frass present in between the joints of the trunk and inject Dichlorovos (DDVP) 76 EC 0.1 percent @ 5ml in the larval tunnel with the help of disposable syringe and push cotton swab soaked in Dichlorovos solution in the larval tunnel.</li> <li>❖ <b>On clear/dry day spary Monocrotophos 1.5ml or Quinalphos 2 ml in one litre of water. Repeat the application after 10 days if leaf miner &amp; citrus psylla attack persist.</b></li> </ul> |
| Kiwi  | Pruning/Training                   |  | <ul style="list-style-type: none"> <li>❖ <b>Diseased and senile branches should be removed.</b></li> <li>❖ <b>Pruning should be done retaining 8-10 buds per branch for enhancing new flush and flowering.</b></li> <li>❖ <b>Pruned healthy hard wood of pencil thickness size having 4-5 buds can be used as cutting for propagation</b></li> </ul>  |
| Temperate fruits  | After harvesting                   |  | <ul style="list-style-type: none"> <li>❖ Training &amp; pruning of the temperate crops (apple/pears/peach) is recommended</li> <li>❖ <b>In case of flowering, stop spraying insecticides/pesticides</b></li> </ul>  |
| Banana  | Bunching                           | Cold   | <ul style="list-style-type: none"> <li>❖ Cover newly emerged bunches with locally available sack to protect from cold/frost</li> <li>❖ <b>Mulching with straw/crop residue at root zone to avoid frost injury in banana.</b></li> </ul>   |
| <b>LIVESTOCKS</b>   |                                    |  |   |
| Livestock   | Stage                              | Disease  | ❖ Precautionary Practices to be followed  |
| ❖ <b>General</b><br>❖ <b>Damaged grain (not fungus contaminated) to be diverted for Poultry/livestock feeding</b><br>❖ <b>Clean drinking water should be ensured round the clock and water troughs/feeders should be regularly cleaned,</b> |                                    |  |   |
| Poultry   | All stages                         |  | <ul style="list-style-type: none"> <li>❖ <b>Provide shelter to the backyard/scavenging poultry. Feed grains in the morning/evening to supplement scavenging.</b></li> <li>❖ Day old chick-Maintain warmth by lighting,</li> <li>❖ In present weather conditions protect the birds from cold by using gunny bags/plastic sheets around the poultry shed during night,</li> <li>❖ Provide heat by lighting 100W bulb @ 1 bulb per 20 newly born chicks.</li> </ul>  |
| Pigs  | All stages                         | FMD (high fever)   | ❖ <b>Avoid dampness and cover weak and sick animals with</b>  |

|   |            |  |  |
|---|------------|--|--|
|   |            | and appearance of mucous membrane of the mouth and foot.)<br>Swine Fever | <b>sack cloth.</b><br>❖ <b>The bedding is always dry and that there is plenty.</b><br>❖ <b>If possible wooden sleeping box should be provided.</b><br>❖ Animals should be given lukewarm feed and water.<br>❖ Right time to deworm with anti helmetic drugs (particularly Tapeworms) viz. Fento Plus @ 1 tablet per 30 kg body weight. |
| Cattle  | All stages | FMD  | ❖ <b>Animals should be given lukewarm feed and water.</b><br>❖ <b>Right time to deworm with anti helmetic drugs (particularly Tapeworms) viz. Fento Plus @ 1 tablet per 30 kg body weight.</b><br>❖ Provide proper bedding materials especially to new-born and lukewarm food & water<br>❖ Provide feed supplements                    |
| Fishery   |            |  | ❖ Application of quick lime is highly recommended in order to rectify water pH.<br>❖ Application of fish feed (mustard oil cake) is essential for achieving higher yield   |
| Mithun  |            | FMD  | ❖ 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.<br>❖ Pregnant animals above 7 months of pregnancy should be avoided.   |
| <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: 28<sup>th</sup> February to 2<sup>nd</sup> March, 2018)

ग्रामीण कृषि मौसम सेवा

GRAMIN KRISHI MAUSAM SEWA

(Integrated Agro-Meteorological Advisory Services)

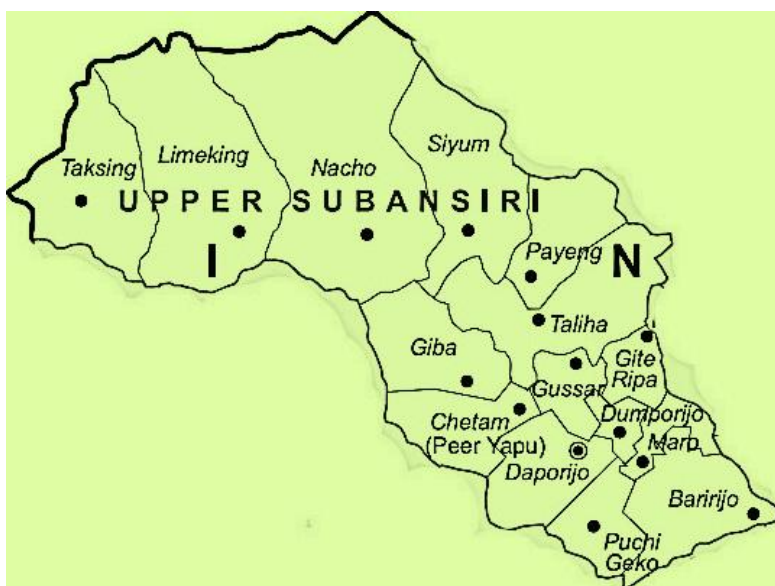


AMFU, ICAR Research Complex for NEH Region  
Arunachal Pradesh Centre, Basar-791101

**District: Upper Subansiri**

**No: AMFU-Basar/2018/17**

**Dated: Tue, 27<sup>th</sup> February, 2018**



| Weather summary of the previous week | Weather forecast valid up to 4 <sup>th</sup> March 2018   |
|--------------------------------------|---|
| Daporijo: 1.0 mm                     | <b>Sunny/Partly cloudy with possibility of light/moderate rainfall.</b><br>Daily maximum and minimum temperature for the following period is predicted to be 22-23°C and 12-13°C respectively. Expected morning and evening relative humidity will be 81-89% and 35-69% respectively. Expected wind direction is mainly ESE with speed range of 3-4 kmph. |
| <b>Warning</b>                       | <ul style="list-style-type: none"><li><b>Rain in few isolated places</b></li></ul>  |

### Weather Based Agro-meteorological Advisories Bulletin

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

| Crop  | Stage                                  | Pest/Disease   | Precautionary Practices to be followed  |
|---|--|--|---|
| FIELD CROPS   |  |  |   |
| Pea   | Pod formation                          | Powdery mildew/ leaf eating insects                                    | ❖ In case of heavy infestation, foliar spray of Dinocap (0.2%) or Carbendazim 50WP (0.1%) or Propiconazole (0.1%) using appropriate sticker advocated.  |
| Toria/ Mustard  | Seed formation                         | Aphids   | ❖ Spray Dimethoate 30EC @2ml/litre against aphids in Rapeseed/Mustard using stickers.   |
| Maize   | Vegetative/<br>Maturity/<br>Harvesting | Rats   | ❖ Prepare field for sowing of crop,<br>❖ Protect the crop against attack of rats using locally available traps,<br>❖ When rat menace has occurred application of multi dose rodenticide like bromadiolone with proper consultation with experts is advised.   |
| VEGETABLES  |  |  |   |
| Potato  | Vegetative stage/<br>Harvesting stage  | Late blight/<br>Red ant  | ❖ Avoid harvesting<br>❖ Regularly monitor against the disease symptoms. Prominent symptoms include small, dark, circular to irregular shaped lesion in the leaves<br>❖ Prophylactic spraying of Mancozeb @ 2 gram per 4 litres of water is advised using stickers in case of rainfall..   |
| Cabbage/<br>Cauliflower   | Harvesting                             |  | ❖ <b>Harvest mature crop.</b><br>❖ <b>Constantly monitor against attack of insects pests/mole.</b>  |
| HORTICULTURAL CROPS   |  |  |   |
| Citrus  | Maturity/<br>harvesting                | Bark eating caterpillar, <b>leaf miner, citrus psylla and blackfly</b> | ❖ In case of Bark eating caterpillar, remove the wooden frass present in between the joints of the trunk and inject Dichlorovos (DDVP) 76 EC 0.1 percent @ 5ml in the larval tunnel with the help of disposable syringe and push cotton swab soaked in Dichlorovos solution in the larval tunnel.<br>❖ <b>On clear/dry day spary Monocrotophos 1.5ml or Quinalphos 2 ml in one litre of water. Repeat the application after 10 days if leaf miner &amp; citrus psylla attack persist.</b> |
| Kiwi  | Pruning/Training                       |  | ❖ <b>Diseased and senile branches should be removed.</b><br>❖ <b>Pruning should be done retaining 8-10 buds per branch for enhancing new flush and flowering.</b><br>❖ <b>Pruned healthy hard wood of pencil thickness size having 4-5 buds can be used as cutting for propagation</b>  |
| Temperate fruits  | After harvesting                       |  | ❖ Training & pruning of the temperate crops (apple/pears/peach) is recommended  |
| Large Cardamom  | Fruiting                               | Chirkey Disease  | ❖ <b>Remove dry/diseased/old tillers &amp; branches &amp; spray Bio NPK@ 2ml/lit water for proper growth</b> using stickers in case of rainfall.  |
| Banana  | Bunching                               | Cold   | ❖ Cover newly emerged bunches with locally available sack to protect from cold/frost  |
| Orchards  |  |  | ❖ Prepare half moon terraces in fruit crops (orange/banana/apple/peach) grown in steep slopes to prevent nutrient loss during heavy downpour.<br>❖ Follow proper drainage and earthing up practices in low land/plain areas to avoid water stagnation in fruit orchards   |
| Honey Bees  |  |  |   |
| Honey bees  |  |  | ❖ Provide sugar syrup near the box<br>❖ Add insulation and ventilation systems  |
| 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> |  |  |   |
| Poultry   | All stages                             |  | ❖ <b>Provide shelter to the backyard/scavenging poultry. Feed grains in the morning/evening to supplement scavenging.</b><br>❖ Day old chick-Maintain warmth by lighting,<br>❖ In present weather conditions protect the birds from cold by using gunny bags/plastic sheets around the poultry shed during night,<br>❖ Provide heat by lighting 100W bulb @ 1 bulb per 20 newly born chicks.  |

|   |            |  |  |
|---|------------|--|--|
| Pigs  | All stages | FMD (high fever and appearance of mucous membrane of the mouth and foot.)<br>Swine Fever | <ul style="list-style-type: none"><li>❖ <b>Avoid dampness and cover weak and sick animals with sack cloth.</b></li><li>❖ <b>The bedding is always dry and that there is plenty.</b></li><li>❖ <b>If possible wooden sleeping box should be provided.</b></li><li>❖ Animals should be given lukewarm feed and water.</li><li>❖ Right time to deworm with anti helmetic drugs (particularly Tapeworms) viz. Fento Plus @ 1 tablet per 30 kg body weight.</li></ul> |
| Cattle  | All stages | FMD  | <ul style="list-style-type: none"><li>❖ <b>Animals should be given lukewarm feed and water.</b></li><li>❖ <b>Right time to deworm with anti helmetic drugs (particularly Tapeworms) viz. Fento Plus @ 1 tablet per 30 kg body weight.</b></li><li>❖ Provide proper bedding materials especially to new-born and lukewarm food &amp; water</li><li>❖ Provide feed supplements</li></ul>   |
| Mithun  |            | FMD  | <ul style="list-style-type: none"><li>❖ Polyvalent FMD vaccine with serotype O, A and Asia at 6 months of age and repeat after that 6 months interval by sub-cutaneous route.</li><li>❖ Pregnant animals above 7 months of pregnancy should be avoided.</li></ul>  |
| <b>Contact Scientists (ICAR) or State Agril Staff or KVK staff for measures against adverse conditions or call at 03795-226237/226247</b> |            |  |  |

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Agrometeorological Field Unit  
ICAR, BASAR

# कृषि मौसम सलाहकार सेवा पत्रिका

## Agro-met Advisory Bulletin

(Period: 28<sup>th</sup> February to 2<sup>nd</sup> March, 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/2018/17**

**Dated: Tue, 27<sup>th</sup> February, 2018**



| Weather summary of the previous week         | Weather forecast valid up to 4 <sup>th</sup> March 2018  |
|--|--|
| Rainfall = Bomdila: 0.0 ; Bhalukpong: 0.0 mm | <b>Mostly/Partly cloudy with possibility light/moderate rain.</b> Daily maximum and minimum temperature for the following period is predicted to be 18-19°C and 07-08°C respectively. Expected morning and evening relative humidity will be 88-95% and 40-60% respectively. Wind direction is mainly WNW & NW with speed range of 5-7 kmph. |
| <b>Warning:</b>                              | <b>• Moderate to dense fog likely to occur at isolated places</b>  |

### Weather Based Agro-meteorological Advisories Bulletin

#### General Recommendations

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

| Crop  | Stage                                 | Pest/Disease   | Precautionary Practices to be followed  |
|---|---------------------------------------|--|---|
| <b>FIELD CROPS</b>  |                                       |  |   |
| Pea   | Pod formation                         | Powdery mildew/ leaf eating insects  | ❖ Need based foliar spray of Dinocap (0.2%) or Carbendazim 50WP (0.1%) or Propiconazole (0.1%) using sticker if the infestation is high.  |
| Toria/ Mustard  | Seed formation                        | Aphids   | ❖ If the infestation is high, Spray Dimethoate 30EC @2ml/litre against aphids in Rapeseed/Mustard using sticker or during clear/dry days.   |
| <b>VEGETABLES</b>   |                                       |  |   |
| Potato  | Vegetative stage/<br>Harvesting stage | Late blight/<br>Red ant  | ❖ Avoid harvesting during rain.<br>❖ Regularly monitor against the disease symptoms. Prominent symptoms include small, dark, circular to irregular shaped lesion in the leaves<br>❖ Prophylactic spraying of Mancozeb @ 2 gram per 4 litres of water is advised using stickers in case of rainfall..  |
| Cabbage/<br>Cauliflower   | Harvesting                            |  | ❖ <b>Harvest mature crop.</b><br>❖ <b>Constantly monitor against attack of insects pests/mole.</b>  |
| <b>HORTICULTURAL CROPS</b>  |                                       |  |   |
| Kiwi  | Pruning/Training                      |  | ❖ <b>Diseased and senile branches should be removed.</b><br>❖ <b>Pruning should be done retaining 8-10 buds per branch for enhancing new flush and flowering.</b><br>❖ <b>Pruned healthy hard wood of pencil thickness size having 4-5 buds can be used as cutting for propagation</b>  |
| Temperate fruits  | After harvesting                      |  | ❖ Training & pruning of the temperate crops (apple/pears/peach) is recommended<br>❖ <b>In case of flowering, stop spraying insecticides/pesticides</b>  |
| Banana  | Bunching                              | Cold   | ❖ Cover newly emerged bunches with locally available sack to protect from cold/frost  |
| <b>LIVESTOCKS</b>   |                                       |  |   |
| Livestock   | Stage                                 | Disease  | ❖ Precautionary Practices to be followed  |
| ❖ <b>General</b><br>❖ <b>Damaged grain (not fungus contaminated) to be diverted for Poultry/livestock feeding</b><br>❖ <b>Clean drinking water should be ensured round the clock and water troughs/feeders should be regularly cleaned,</b> |                                       |  |   |
| Yak   | All stages                            |  | ❖ <b>Feeding of concentrate feed along with mineral mixture and salt.</b><br>❖ <b>Hay feeding is recommended.</b>   |
| Fishery   |                                       |  | ❖ <b>Keep fish stoking density thin @1200/ha</b>  |
| Poultry   | All stages                            |  | ❖ <b>Provide shelter to the backyard/scavenging poultry. Feed grains in the morning/evening to supplement scavenging.</b><br>❖ Day old chick-Maintain warmth by lighting,<br>❖ In present weather conditions protect the birds from cold by using gunny bags/plastic sheets around the poultry shed during night,<br>❖ Provide heat by lighting 100W bulb @ 1 bulb per 20 newly born chicks.  |
| Pigs  | All stages                            | FMD (high fever and appearance of mucous membrane of the mouth and foot.)<br>Swine Fever | ❖ <b>Avoid dampness and cover weak and sick animals with sack cloth.</b><br>❖ <b>The bedding is always dry and that there is plenty.</b><br>❖ <b>If possible wooden sleeping box should be provided.</b><br>❖ Animals should be given lukewarm feed and water.<br>❖ Right time to deworm with anti helmetic drugs (particularly Tapeworms) viz. Fento Plus @ 1 tablet per 30 kg body weight.  |
| Cattle  | All stages                            | FMD  | ❖ <b>Animals should be given lukewarm feed and water.</b><br>❖ <b>Right time to deworm with anti helmetic drugs (particularly Tapeworms) viz. Fento Plus @ 1 tablet per 30 kg body weight.</b><br>❖ Provide proper bedding materials especially to new-born and lukewarm food & water<br>❖ Heavy mortality in cloven footed animals has been reported.<br>❖ Supportive treatment of infected animals under supervision of veterinary department officials,<br>❖ Avoid mixing of infected and healthy animals,<br>❖ Keep infected animals separated from the healthy ones, |

|   |  |     |   |
|---|--|-----|---|
|   |  |     | <ul style="list-style-type: none"><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: 28<sup>th</sup> February to 2<sup>nd</sup> March, 2018)

ग्रामीण कृषि मौसम सेवा



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



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

**District: West Siang**

**No: AMFU-Basar/2018/17**

**Dated: Tue, 27<sup>th</sup> February, 2018**



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

| Weather summary of the previous week   | Weather forecast valid up to 4 <sup>th</sup> March 2018  |
|--|--|
| <b>Basar:</b> Rainfall = 8.4 mm. T. Max: 22.8°C, T. Min: 9.2°C, RH: 51-97%, Wind Speed: 6-7 kmph, Wind Direction: ESE & NW | <b>Sunny to partly cloudy with possibility of light/moderate rain.</b><br>Daily maximum and minimum temperature for the following period is predicted to be 22-23°C and 12-13°C respectively. Expected morning and evening relative humidity will be 68-78% and 38-58% respectively. Wind direction is mainly variable with speed range of 3-7 kmph. |
| <b>Warning:</b>  | • 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
- 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                        | Pod mature                             | Birds  | <ul style="list-style-type: none"> <li>❖ Harvest of green pods,</li> <li>❖ Use of scare crow and tying of bird scare tape around the crop field,</li> </ul>   |
| Toria/ Mustard             | Vegetative/<br>Flowering               | Aphid  | ❖ <b>Spraying of dimethoate @ 2 ml per litre of water is advised on clear/dry days or using sticker in case of heavy infestation.</b>   |
| Maize                      | Vegetative/<br>Maturity/<br>Harvesting | Rats   | <ul style="list-style-type: none"> <li>❖ Protect the crop against attack of rats using locally available traps,</li> <li>❖ When rat menace has occurred application of multi dose rodenticide like bromadiolone with proper consultation with experts is advised.</li> </ul>  |
| <b>VEGETABLES</b>          |  |  |   |
| French Bean                | Sowing                                 |  | <ul style="list-style-type: none"> <li>❖ In present weather conditions, sowing of quality seeds may be done,</li> <li>❖ Treat the seeds with Imidacloprid 17SL @1ml/litre/ kilogram seed before sowing.</li> </ul>  |
| Okra                       | Sowing                                 |  | ❖ Procure quality seed from certified agency.   |
| Potato                     | Vegetative stage/<br>Harvesting stage  | Late blight/<br>Red ant  | <ul style="list-style-type: none"> <li>❖ Avoid harvesting</li> <li>❖ Regularly monitor against the disease symptoms. Prominent symptoms include small, dark, circular to irregular shaped lesion in the leaves</li> <li>❖ Prophylactic spraying of Mancozeb @ 2 gram per 4 litres of water is advised using stickers in case of rainfall..</li> </ul>   |
| Cabbage/<br>Cauliflower    | Harvesting                             |  | <ul style="list-style-type: none"> <li>❖ <b>Harvest mature crop.</b></li> <li>❖ <b>Constantly monitor against attack of insects pests/mole.</b></li> </ul>  |
| Ginger/ Turmeric           | Maturity                               |  | <ul style="list-style-type: none"> <li>❖ Harvest the mature crop,</li> <li>❖ Cure should be taken while harvest so that the rhizome is not damaged,</li> </ul>  |
| <b>HORTICULTURAL CROPS</b> |  |  |   |
| Citrus                     | Maturity/<br>harvesting                | Bark eating caterpillar, <b>leaf miner, citrus psylla and blackfly</b> | <ul style="list-style-type: none"> <li>❖ In case of Bark eating caterpillar, remove the wooden frass present in between the joints of the trunk and inject Dichlorovos (DDVP) 76 EC 0.1 percent @ 5ml in the larval tunnel with the help of disposable syringe and push cotton swab soaked in Dichlorovos solution in the larval tunnel.</li> <li>❖ <b>On clear/dry day spary Monocrotophos 1.5ml or Quinalphos 2 ml in one litre of water. Repeat the application after 10 days if leaf miner &amp; citrus psylla attack persist.</b></li> </ul> |
| Kiwi                       | Pruning/Training                       |  | <ul style="list-style-type: none"> <li>❖ <b>Diseased and senile branches should be removed.</b></li> <li>❖ <b>Pruning should be done retaining 8-10 buds per branch for enhancing new flush and flowering.</b></li> <li>❖ <b>Pruned healthy hard wood of pencil thickness size having 4-5 buds can be used as cutting for propagation</b></li> </ul>  |
| Pineapple                  | Harvesting                             |  | ❖ After winter harvest, collection/Selection of suckers & slip to be done for next season planting.   |
| <b>HONEY BEES</b>          |  |  |   |
| Honey bees                 |  |  | ❖ Cover the boxes with locally available dry grass or straw to provide warmth   |
| <b>LIVESTOCKS</b>          |  |  |   |
| Livestock                  | Stage                                  | Disease  | ❖ Precautionary Practices to be followed  |
| Poultry                    | All stages                             |  | <ul style="list-style-type: none"> <li>❖ <b>Provide shelter to the backyard/scavenging poultry. Feed grains in the morning/evening to supplement scavenging.</b></li> <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>  |
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|   |            |                                 |   |
|---|------------|---------------------------------|---|
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