Agro-met Advisory Bulletin

(Period: 27th to 30th January 2018) ग्रामीण कृषि मौसम सेवा







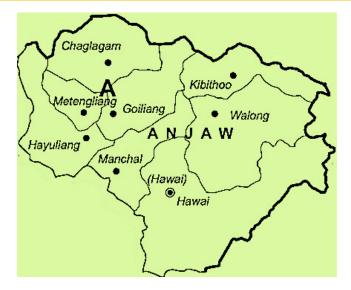


AMFU, ICAR Research Complex for NEH Region Arunachal Pradesh Centre, Basar-791101

District: Anjaw

No: AMFU-Basar/2018/08

Dated: Fri, 26th January 2018



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

| Weather summery of the previous week | Weather forecast valid up to 31 st Jan'2018 |
|--------------------------------------|---|
| No weather summary available | Mostly sunny with possibility of light rainfall. Daily maximum and minimum temperature for the following period is predicted to be 21-23°C and 06-07°C respectively. Expected morning and evening relative humidity will be 46-94% and 22-47% respectively. Wind direction is mainly SE and SSE with average wind speed range of 3-6 kmph. |
| Warning: | • Moderate to dense fog likely to occur at isolated places |

Weather Based Agro-meteorological Advisories Bulletin

- 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

| Сгор | Stage | Pest/Disease | Precautionary Practices to be followed |
|------------------|-------------------------|--|---|
| Pea | Vegetative | Powdery mildew/ leaf eating insects | FIELD CROPS On clear/dry day, need based foliar spray of Dinocap (0.2% or Carbendazim 50WP (0.1%) or Propiconazole (0.1%). On clear weather, spray of Azadirachtin 0.15% EC @ 6ml/lit against leaf eating insects |
| | 1 | | VEGETABLES |
| Ginger/ Turmeric | Maturity | | Harvest the mature crop, Cure should be taken while harvest so that the rhizome i not damaged, |
| Potato | Vegetative | Red Ants/ Late blight/ Alternaria blight | • Suspend all spray operation. |
| | I | | ICULTURAL CROPS |
| Banana | Bunching | Cold | Cover newly emerged bunches with locally available sack to protect from cold/frost Mulching with straw/crop residue at root zone to avoid frost injury in banana. |
| Pineapple | Harvesting | | • After winter harvest, collection/Selection of suckers & slip to be done for next season planting |
| Citrus | Maturity/ harvesting | Bark eating caterpillar, Trunk borer, Blue & Green mould | Orange (only if harvesting is over): Go for drenching with Dichlorovos 76 EC@0.05% against trunk-borer. On clear weather or using sticker, against Blue & Green mould, spray Imazalil 34 WP @ 1g/lit. Prune away the diseased portion of the plant. 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 |
| | | | In case of flowering, stop spraying insecticides/pesticides |
| | 1 | | LIVESTOCKS |
| Livestock | Stage | Disease | Precautionary Practices to be followed |
| Poultry | All stages | | Day old chick-Maintain warmth by lighting, In present weather conditions protect the birds from cold by using gunny bags/plastic sheets around the poultryshed during night, Provide heat by lighting 100W bulb @ 1 bulb per 20 newly born chicks. |
| Fishery | | | Keep fish stoking density thin @1200/ha |
| Pigs | All stages | FMD (high fever and appearance of mucous membrane of the mouth and foot.) Swine Fever | Avoid dampness and cover weak and sick animals with sack cloth. Animals should be given lukewarm feed and water. Right time to deworm with anti helmetic drugs (particularly Tapeworms) viz. Fento Plus @ 1 tablet per 30 kg body weight Provide proper bedding materials especially to new-born piglets and lukewarm food & water |
| Cattle | All stages | FMD | Animals should be given lukewarm feed and water. Right time to deworm with anti helmetic drugs (particularly Tapeworms) viz. Fento Plus @ 1 tablet per 3 kg body weight. Provide proper bedding materials especially to new-born an lukewarm food & water Provide feed supplements |
| Mithun | | FMD | Polyvalent FMD vaccine with serotype 0, A and Asia at months of age and repeat after that 6 months interval by |

Issued jointly by ICAR-RC for NEH Region, Arunachal Pradesh Centre, Basar and India Meteorological Department

Contact: - IAAS.BASAR@gmail.com, Phone Number: - 03795-226247/37, -96 (Fax)

Agro-met Advisory Bulletin

(Period: 27th to 30th January 2018)

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ग्रामीण कृषि मौसम सेवा

GRAMIN KRISHI MAUSAM SEWA

(Integrated Agro-Meteorological Advisory Services)



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

District: Changlang

No: AMFU-Basar/2018/08

Dated: Fri, 26th January 2018



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

| Weather summery of the previous week | Weather forecast valid up to 31 st Jan'2018 |
|--------------------------------------|---|
| | Generally clear/dry weather forecasted. Daily maximum and |
| mm (up to 23^{rd} Jan) | minimum temperature for the following period is predicted to be 26- |
| | 27°C and 13-14°C respectively. Expected morning and evening |
| | relative humidity will be 48-70% and 16-27% respectively. Wind |
| | direction is mainly ESE with speed range of 6 kmph. |
| Warning | Moderate to dense fog likely to occur at isolated places |

Weather Based Agro-meteorological Advisories Bulletin

- 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 |
|---|-------------------------|--|--|
| r | v | | FIELD CROPS |
| Pea | Vegetative | Powdery mildew/ leaf eating insects | Need based foliar spray of Dinocap (0.2%) or Carbendazim 50WP (0.1%) or Propiconazole (0.1%) using sticker in case of rainfall. On clear weather, spray of Azadirachtin 0.15% EC @ 6ml/lit against leaf eating insects |
| | | | VEGETABLES |
| Potato | Vegetative | Red Ants/ Late blight/ Alternaria blight | Spray Indofil m-45 at regular interval of 7 days in potato/tomato against Alternaria blight using sticker if rains. Red Ants: - Drenching with Chlorpyriphos @ 2 ml per litre of water, Foliar spray of Dithane M-45@2.5g/litre of water for management of potato late blight on clear/dry day or using proper sticker. |
| Cabbage/ Cauliflower/ Knolkhol/ Others | Maturity/ Harvesting | Leaf eating caterpillars/ Aphids | • Spray neem-based insecticides against leaf-eating caterpillars. |
| Ginger/ Turmeric | Maturity | нова | Harvest the mature crop, Cure should be taken while harvest so that the rhizome is not damaged, |
| Citrus | Maturity/ | Bark eating | ICULTURAL CROPS |
| | harvesting | caterpillar, Trunk borer, Blue & Green mould | Orange (only if harvesting is over): Go for drenching with Dichlorovos 76 EC@0.05% against trunk-borer. Against Blue & Green mould, spray Imazalil 34 WP @ 1g/lit. Prune away the diseased portion of the plant using sticker in case of rainfall. 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 Mulching with straw/crop residue at root zone to avoid frost injury in banana. |
| | | | Honey Bees |
| Honey bees | | | Box must be covered with straw/dry leaves to provide warmth Provide sugar syrup |
| | | | LIVESTOCKS |
| Livestock | Stage | Disease | Precautionary Practices to be followed |
| 0 0 | | | General e diverted for Poultry/livestock feeding the clock and water troughs/feeders should be regularly cleaned, • Deworming for gastrointestinal parasite |
| Cattle | All stages | FMD | Animals should be given lukewarm feed and water. Right time to deworm with anti helmetic drugs (particularly Tapeworms) viz. Fento Plus @ 1 tablet per 30 kg body weight. Provide proper bedding materials especially to new-born and lukewarm food & water |
| Pigs | All stages | FMD (high fever and appearance of mucous membrane of the mouth and foot.) Swine Fever | Provide feed supplements Avoid dampness and cover weak and sick animals with sack cloth. Animals should be given lukewarm feed and water. Right time to deworm with anti helmetic drugs (particularly Tapeworms) viz. Fento Plus @ 1 tablet per 30 kg body weight. Provide proper bedding materials especially to new-born piglets and lukewarm food & water |
| Poultry | All stages | | Day old chick-Maintain warmth by lighting,In present weather conditions protect the birds from cold |

| | by using gunny bags/plastic sheets around the poultryshed during night, Provide heat by lighting 100W bulb @ 1 bulb per 20 newly born chicks. | | |
|---|--|--|--|
| Contact Scientists (ICAR) or State Agril Staff or KVK staff for measures against adverse conditions or call | | | |
| at 03795-226237/226247 | | | |



Agro-met Advisory Bulletin

(Period: 27th to 30th January 2018)

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ग्रामीण कृषि मौसम सेवा

GRAMIN KRISHI MAUSAM SEWA

(Integrated Agro-Meteorological Advisory Services)



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

District: Dibang Valley

No: AMFU-Basar/2018/08

Dated: Fri, 26th January 2018



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

| Weather summery of the previous week | Weather forecast valid up to 31 st Jan'2018 |
|--|--|
| Rainfall = 1.0 mm (Anini) (up to 23 rd Jan) | Partly/moderately cloudy with possibility of light/moderate rainfall. Daily maximum and minimum temperature for the following period is predicted to be 21-23°C and 06-07°C respectively. Expected morning and evening relative humidity will be 70-88% and 43-66% respectively. Wind direction is mainly SSE & S with speed range of 5-9 kmph. |
| Warning: | Moderate to dense fog likely to occur at isolated places |

Weather Based Agro-meteorological Advisories Bulletin

- Disinfecting the animal/bird sheds with lime powder/ bleaching powder/ 4%NaOH at regular interval is advocated
- Go for 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

| Pea Black Gram & Green Gram Potato | Vegetative Vegetative | Powdery mildew/ leaf eating insects | IELD CROPS Need based foliar spray of Dinocap (0.2%) or 50WP (0.1%) or Propiconazole (0.1%) using stic rainfall. On clear weather, spray of Azadirachtin 0. 6ml/lit against leaf eating insects | ker in case of |
|---|--------------------------|---|--|---|
| Black Gram & Green Gram | | mildew/ leaf | 50WP (0.1%) or Propiconazole (0.1%) using stic rainfall. On clear weather, spray of Azadirachtin 0. 6ml/lit against leaf eating insects | ker in case of |
| Green Gram | Vegetative | | rainfall. On clear weather, spray of Azadirachtin 0. 6ml/lit against leaf eating insects | |
| Green Gram | Vegetative | | • On clear weather, spray of Azadirachtin 0. 6ml/lit against leaf eating insects | |
| Green Gram | Vegetative | | 6ml/lit against leaf eating insects | |
| Green Gram | Vegetative | | | 15% EC @ |
| Green Gram | Vegetative | | | |
| | | | • Need based foliar spray of Sulfex@2g/lit wat | er to control |
| Potato | | | powdery mildew in black/green gram/pea | |
| Potato | XX | D 1 4 × / | EGETABLES | |
| | Vegetative | Red Ants/ Late blight/ | • Spray Indofil m-45 at regular interval of 7 | • |
| | | Alternaria blight | potato/tomato against Alternaria blight usi | ng sticker |
| | | Anomaria oligin | in case of rainfall. | 1 |
| | | | Red Ants: - Drenching with Chlorpyriphos @ 2 m water, | il per fitre of |
| | | | Foliar spray of Dithane <u>M-45@2.5g/litre</u> of water | for |
| | | | management of potato late blight. | 101 |
| Cabbage/ | Maturity/ | Leaf eating | • Suspend all spraying operations. | |
| Cauliflower/ | Harvesting | caterpillars/ | Suspend an spraying operations. | |
| Knolkhol/ | | Aphids | | |
| Others | | | | |
| | | T | CULTURAL CROPS | |
| Citrus | Maturity/ harvesting | Bark eating caterpillar, | • Orange (only if harvesting is over): Go for dreu Diablements 77 DC 20 059/ a spinet terms have | |
| | naivesting | Trunk borer, | Dichlorovos 76 <u>EC@0.05%</u> against trunk-bore Against Blue & Green mould, spray Imazalil 3 | |
| | | Blue & Green | • Against blue & Green mound, spray mazam 5 1g/lit. Prune away the diseased portion of the p | |
| | | mould | clear/dry day or using stickers. | lunt on |
| | | | • In case of Bark eating caterpillar, remove the woo | den frass |
| | | | present in between the joints of the trunk and inje | |
| | | | Dichlorovos (DDVP) 76 EC 0.1 percent @ 5ml ir | |
| | | | tunnel with the help of disposable syringe and pus | |
| Discourse II | | | swab soaked in Dichlorovos solution in the larval | |
| Pineapple H | arvesting | | After winter harvest, collection/Selection of suc to be done for next season planting | kers & slip |
| Banana B | unching | Cold | Cover newly emerged bunches with locally availa | ble sack to |
| | C | | protect from cold/frost | |
| | | | Mulching with straw/crop residue at root zone | to avoid |
| | | | frost injury in banana. | |
| Temperate fruits A | fter harvesting | | • Training & pruning of the temperate crops (apple | /pears/peach) |
| | | | is recommended | |
| | | | Honey Bees | |
| Honey bees | | | • Cover the boxes with locally available dry grass of | r straw to |
| | | | provide warmth | |
| . | Ct. | D: | IVESTOCKS | |
| Livestock | Stage | Disease | Precautionary Practices to be followed | |
| • Domogod sucia | - (| maaningaad) aa b | General | |
| | - | | liverted for Poultry/livestock feeding te clock and water troughs/feeders should be regularly | alaanad |
| Pigs | All stages | FMD (high fever | Avoid dampness and cover weak and sick a | |
| 1 125 | Thi stages | and appearance | with sack cloth. | iiiiiiais |
| | | of mucous | Animals should be given lukewarm feed and wate | r |
| | | membrane of the | Right time to deworm with anti helmetic drugs (p | |
| | | mouth and foot.) | Tapeworms) viz. Fento Plus @ 1 tablet per 30 kg | |
| | | Swine Fever | Provide proper bedding materials especially to ne | |
| | | Swille Fevel | • Trovide proper bedding materials especially to he | |
| | | | piglets and lukewarm food & water | |
| Cattle | All stages | FMD | piglets and lukewarm food & water Animals should be given lukewarm feed and w | |
| Cattle | All stages | | piglets and lukewarm food & water Animals should be given lukewarm feed and w Right time to deworm with anti helmetic drugs | |
| Cattle | All stages | | piglets and lukewarm food & water Animals should be given lukewarm feed and w Right time to deworm with anti helmetic drugs (particularly Tapeworms) viz. Fento Plus @ 1 | |
| Cattle | All stages | | piglets and lukewarm food & water Animals should be given lukewarm feed and w Right time to deworm with anti helmetic drugs (particularly Tapeworms) viz. Fento Plus @ 1 kg body weight. | ablet per 30 |
| Cattle | All stages | | piglets and lukewarm food & water Animals should be given lukewarm feed and w Right time to deworm with anti helmetic drugs (particularly Tapeworms) viz. Fento Plus @ 1 kg body weight. Provide proper bedding materials especially to r | ablet per 30 |
| Cattle | All stages | | piglets and lukewarm food & water Animals should be given lukewarm feed and w Right time to deworm with anti helmetic drugs (particularly Tapeworms) viz. Fento Plus @ 1 kg body weight. Provide proper bedding materials especially to r lukewarm food & water | Eablet per 30 new-born and |
| Cattle | All stages | | piglets and lukewarm food & water Animals should be given lukewarm feed and w Right time to deworm with anti helmetic drugs (particularly Tapeworms) viz. Fento Plus @ 1 kg body weight. Provide proper bedding materials especially to r | Eablet per 30 new-born and n reported. |

| | | | Avoid mixing of infected and healthy animals, Keep infected animals separated from the healthy ones, Vaccinate the healthy animals against FMD (Through State Veterinary Dept.) Provide feed supplements |
|---------------|----------------------|-------------------|--|
| Poultry | All stages | | Day old chick-Maintain warmth by lighting, In present weather conditions protect the birds from cold by using gunny bags/plastic sheets around the poultryshed during night, Provide heat by lighting 100W bulb @ 1 bulb per 20 newly born chicks. |
| Mithun | | FMD | Polyvalent FMD vaccine with serotype O, A and Asia at 6 months of age and repeat after that 6 months interval by subcutaneous route. Pregnant animals above 7 months of pregnancy should be avoided. |
| Contact Scien | tists (ICAR) or Stat | te Agril Staff or | KVK staff for measures against adverse conditions or call at 03795- 226237/226247 |

Agro-met Advisory Bulletin

(Period: 24th to 26th January 2018)



ग्रामीण कृषि मौसम सेवा



(Integrated Agro-Meteorological Advisory Services)



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

District: East Kameng

No: AMFU-Basar/2018/08

Dated: Fri, 26th January 2018



| Weather summery of the previous week | Weather forecast valid up to 31 st Jan'2018 |
|---|---|
| Rainfall = 0.0 mm (up to 23^{rd} Jan) | Generally sunny/dry weather forecasted with possibility of very |
| | light rainfall in few places. Daily maximum and minimum |
| | temperature for the following period is predicted to be 18-20°C and |
| | 6°C respectively. Expected morning and evening relative humidity |
| | will be 63-88% and 37-44% respectively. Expected wind direction is |
| | mainly SE with speed range of 5-6 kmph. |
| Warning: | Rain in few isolated places |

Weather Based Agro-meteorological Advisories Bulletin

- 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

| Сгор | Stage | Pest/Disease | Precautionary Practices to be followed |
|---|--|--|---|
| | | | FIELD CROPS |
| Pea | Vegetative | Powdery mildew/ leaf eating insects | Need based foliar spray of Dinocap (0.2%) or Carbendazim 50WP (0.1%) or Propiconazole (0.1%) using sticker. On clear weather, spray of Azadirachtin 0.15% EC @ 6ml/lit against leaf eating insects |
| Ginger/ Turmeric | Maturity | | VEGETABLES |
| | Waturity | | Harvest the mature crop, Cure should be taken while harvest so that the rhizome is not damaged, |
| Potato | Vegetative | Red Ants/ Late blight/ Alternaria blight | Spray Indofil m-45 at regular interval of 7 days in potato/tomato against Alternaria blight on clear/dry day or using stickers. Red Ants: - Drenching with Chlorpyriphos @ 2 ml per litre of water, Foliar spray of Dithane M-45@2.5g/litre of water for management of potato late blight. |
| Cabbage/ Cauliflower/ Knolkhol/ Others | Maturity | Leaf eating caterpillars/ Aphids | In present weather conditions severe attack of leaf eating caterpillars has been reported. Spray Azadirachtin(0.015%) @6ml/litre of water when weather is clear. Spray with neem based pesticides against aphids on clear/dry day or using stickers |
| | | HOR | TICULTURAL CROPS |
| Citrus | Maturity/ harvesting | Bark eating caterpillar, Trunk borer, Blue & Green mould | Orange (only if harvesting is over): Go for drenching with Dichlorovos 76 EC@0.05% against trunk-borer. Against Blue & Green mould, spray Imazalil 34 WP @ 1g/lit on clear/dry day. Prune away the diseased portion of the plant. 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 |
| Banana | Bunching | Cold | swab soaked in Dichlorovos solution in the larval tunnel. Cover newly emerged bunches with locally available sack to protect from cold/frost Mulching with straw/crop residue at root zone to avoid frost injury in banana. |
| Pineapple | Active vegetative | | Remove excess suckers to increase fruit size and improve quality. |
| Ginger/Turmeric | Seedling | | Mulching with locally available materials like dry grass/paddy straw recommended Proper drainage to be done and avoid water stagnation Earthing up of ginger/turmeric along with basal application of required fertilizer should be done |
| | | | Agroforestry |
| Toko palm | Nursery | | Filling of nursery polybags for raising of takopalm seedlings |
| | • | · | LIVESTOCKS |
| Livestock | Stage | Disease | Precautionary Practices to be followed |
| 0 0 | | | General e diverted for Poultry/livestock feeding the clock and water troughs/feeders should be regularly cleaned |
| Clean drink: Pigs | All stages | be ensured round FMD (high fever and appearance of mucous membrane of the mouth and foot.) Swine Fever | with sack cloth. Animals should be given lukewarm feed and water. Right time to deworm with anti helmetic drugs (particularly |
| Cattle | All stages | FMD | Animals should be given lukewarm feed and water. Right time to deworm with anti helmetic drugs (particularly Tapeworms) viz. Fento Plus @ 1 tablet per 30 kg body weight. Provide proper bedding materials especially to new-born and |

| | | | lukewarm food & waterProvide feed supplements |
|---------------|---------------------|---------------------|--|
| Poultry | All stages | | Day old chick-Maintain warmth by lighting, In present weather conditions protect the birds from cold by using gunny bags/plastic sheets around the poultryshed during night, Provide heat by lighting 100W bulb @ 1 bulb per 20 newly born chicks. |
| Fishery | | | Application of quick lime is highly recommended in order to rectify water pH. 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. Pregnant animals above 7 months of pregnancy should be avoided. |
| Contact Scien | tists (ICAR) or Sta | te Agril Staff or I | KVK staff for measures against adverse conditions or call at 03795- 226237/226247 |

Agro-met Advisory Bulletin

(Period: 27th to 30th January 2018)



ग्रामीण कृषि मौसम सेवा

GRAMIN KRISHI MAUSAM SEWA





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

District: East Siang

No: AMFU-Basar/2018/08

Dated: Fri, 26th January 2018



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

| Weather summery of the previous week | Weather forecast valid up to 31 st Jan'2018 |
|--|---|
| Rainfall: 0.0 mm; T. Max: 26.0°C; T. Min: | Mostly sunny weather forecasted. Daily maximum and minimum |
| 15.0°C ; RH: 64-74% (up to 23 rd Jan) | temperature for the following period is predicted to be 25-26°C and |
| | 14-15°C respectively. Expected morning and evening relative |
| | humidity will be 56-91% and 26-43% respectively. Expected wind |
| | direction is mainly NNW & S with speed range of 5-6 kmph. |
| Warning: | Rain in few isolated places |

Weather Based Agro-meteorological Advisories Bulletin

- 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

| Сгор | Stage | Pest/Disease | Precautionary Practices to be followed |
|------------------|-----------------|-------------------|--|
| - • • | | | FIELD CROPS |
| Pea | Vegetative | Powdery | • Need based foliar spray of Dinocap (0.2%) or Carbendazim |
| | 8 | mildew/ leaf | 50WP (0.1%) or Propiconazole (0.1%) using proper sticker. |
| | | eating insects | |
| | | 0 | • On clear weather, spray of Azadirachtin 0.15% EC @ |
| | | | 6ml/lit against leaf eating insects using sticker in case of |
| | | | rainfall |
| Mustard | Vegetative | Aphid | When population level is high spraying of Dimethoate @ 4 |
| | | | <mark>ml per</mark> litre of water is advised using sticker in case of |
| | | | rainfall |
| | | | VEGETABLES |
| Ginger/ Turmeric | Maturity | | Harvest the mature crop, |
| | | | • Cure should be taken while harvest so that the |
| | | | rhizome is not damaged, |
| Potato | Vegetative | Red Ants/ | • Spray Indofil m-45 at regular interval of 7 days in |
| | e | Late blight/ | potato/tomato against Alternaria blight on clear/dry |
| | | Alternaria blight | days |
| | | 0 | • |
| | | | • Red Ants: - Drenching with Chlorpyriphos @ 2 ml per litre of |
| | | | water, |
| | | | • Foliar spray of Dithane $M-45@2.5g/litre$ of water for |
| <u> </u> | | | management of potato late blight. |
| Cabbage/ | Maturity/ | Leaf eating | • Spray neem-based insecticides against leaf-eating caterpillars |
| Cauliflower/ | Harvesting | caterpillars/ | |
| Knolkhol/ | | Aphids | |
| Others | | | |
| | | | ICULTURAL CROPS |
| Citrus | Maturity/ | Bark eating | • Orange (only if harvesting is over): Go for drenching with |
| | harvesting | caterpillar, | Dichlorovos 76 <u>EC@0.05%</u> against trunk-borer. |
| | | Trunk borer, | • Against Blue & Green mould, spray Imazalil 34 WP @ |
| | | Blue & Green | 1g/lit on clear/dry days. Prune away the diseased portion |
| | | mould | of the plant. |
| | | | • 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. |
| Kiwi | Harvesting | | • Should be harvested by snapping their stalks |
| | 1100 10000008 | | Fruit should be stored boxes containing cushioning materials |
| | | | and transported to the market in hard condition. |
| | | | Honey Bees |
| Honey bees | | | Cover the boxes with locally available dry grass or straw to |
| Tioney bees | | | • Cover the boxes with locally available dry grass of straw to provide warmth |
| | | | LIVESTOCKS |
| T · | 6 4 | D' | |
| Livestock | Stage | Disease | Precautionary Practices to be followed |
| | | | General |
| | | | e diverted for Poultry/livestock feeding |
| Clean drinki | ng water should | be ensured round | the clock and water troughs/feeders should be regularly cleaned, |
| Pigs | All stages | FMD (high fever | Avoid dampness and cover weak and sick animals |
| | | and appearance | with sack cloth. |
| | | of mucous | • Animals should be given lukewarm feed and water. |
| | | membrane of the | • Right time to deworm with anti helmetic drugs (particularly |
| | | mouth and foot.) | Tapeworms) viz. Fento Plus @ 1 tablet per 30 kg body weight. |
| | | Swine Fever | Provide proper bedding materials especially to new-born |
| | | | |
| Cottle | A 11 ato | EMD | piglets and lukewarm food & water |
| Cattle | All stages | FMD | Animals should be given lukewarm feed and water. |
| | | | Right time to deworm with anti helmetic drugs (nonticularly Transmus) size Funts Place @ 14x blaterer 20 |
| | | | (particularly Tapeworms) viz. Fento Plus @ 1 tablet per 30 |
| | | | kg body weight. |
| | | | • Provide proper bedding materials especially to new-born and |
| | | | lukewarm food & water |
| | | | • Heavy mortality in cloven footed animals has been reported. |
| | | | • Supportive treatment of infected animals under supervision of |
| | | 1 | II I I I I I I I I I I I I I I I I I I |
| | | | veterinary department officials. |
| | | | veterinary department officials,Avoid mixing of infected and healthy animals, |

| | | | Keep infected animals separated from the healthy ones, Vaccinate the healthy animals against FMD (Through State Veterinary Dept.) Provide feed supplements |
|---|------------|-----|--|
| Poultry | All stages | | Day old chick-Maintain warmth by lighting, In present weather conditions protect the birds from cold by using gunny bags/plastic sheets around the poultryshed during night, Provide heat by lighting 100W bulb @ 1 bulb per 20 newly born chicks. |
| Mithun | | FMD | Polyvalent FMD vaccine with serotype O, A and Asia at 6 months of age and repeat after that 6 months interval by subcutaneous route. Pregnant animals above 7 months of pregnancy should be avoided. |
| Contact Scientists (ICAR) or State Agril Staff or KVK staff for measures against adverse conditions or call at 03795-226237/226247 | | | |

कृषि मौसम सलाहकार सेवा पत्रिका Agro-met Advisory Bulletin (Period: 27th to 30th January 2018) ग्रामीण कृषि मौसम सेवा CRAMIN KRISHI MAUSAM SEWA Integrated Agro-Meteorological Advisory Services

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

District: Kurung Kumey

No: AMFU-Basar/2018/08

Dated: Fri, 26th January 2018



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

| Weather summery of the previous week | Weather forecast valid up to 31 st Jan'2018 |
|--------------------------------------|---|
| Past weather summary not available | Partly/moderately cloudy with possibility of light/moderate |
| | rainfall. Daily maximum and minimum temperature for the |
| | following period is predicted to be 20-22°C and 06-10°C |
| | respectively. Expected morning and evening relative humidity will |
| | be 83-87% and 36-80% respectively. Wind direction is mainly |
| | variable with wind speed range of 5-8 kmph. |
| Warning | Rain in few isolated places |

Weather Based Agro-meteorological Advisories Bulletin

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

| Сгор | Stage | Pest/Disease | Precautionary Practices to be followed |
|---|-------------------------|--|--|
| Ð | XX • | | FIELD CROPS |
| Pea | Vegetative | Powdery mildew/ leaf eating insects | Need based foliar spray of Dinocap (0.2%) or Carbendazim 50WP (0.1%) or Propiconazole (0.1%) using sticker in case of rainfall. On clear weather, spray of Azadirachtin 0.15% EC @ 6ml/lit against leaf eating insects |
| | | | VEGETABLES |
| Potato | Vegetative Meturity/ | Red Ants/ Late blight/ Alternaria blight | Spray Indofil m-45 at regular interval of 7 days in potato/tomato against Alternaria blight on clear/dry day or using sticker in case of rainfall Red Ants: - Drenching with Chlorpyriphos @ 2 ml per litre of water, Foliar spray of Dithane M-45@2.5g/litre of water for management of potato late blight. |
| Cabbage/ Cauliflower/ Knolkhol/ Others | Maturity/ Harvesting | Leaf eating caterpillars/ Aphids | • Spray neem-based insecticides against leaf-eating caterpillars. |
| | | HORT | ICULTURAL CROPS |
| Temperate fruits | After harvesting | | Training & pruning of the temperate crops (apple/pears/peach) is recommended In case of flowering, stop spraying insecticides/pesticides |
| Citrus | Maturity/ harvesting | Bark eating caterpillar, Trunk borer, Blue & Green mould | Orange (only if harvesting is over): Go for drenching with Dichlorovos 76 EC@0.05% against trunk-borer. Against Blue & Green mould, spray Imazalil 34 WP @ 1g/lit using sticker in case of rainfall. Prune away the diseased portion of the plant. 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 | | After winter harvest, collection/Selection of suckers & slip to be done for next season planting |
| Banana | Bunching | Cold | Cover newly emerged bunches with locally available sack to protect from cold/frost Mulching with straw/crop residue at root zone to avoid frost injury in banana. |
| | | | Honey Bees |
| | | | • Box must be covered with straw/dry leaves to provide warmth |
| | | | LIVESTOCKS |
| 0 0 | | | General e diverted for Poultry/livestock feeding 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. Right time to deworm with anti helmetic drugs (particularly Tapeworms) viz. Fento Plus @ 1 tablet per 30 kg body weight. Provide proper bedding materials especially to new-born and lukewarm food & water Provide feed supplements |
| Pigs Poultry | All stages All stages | FMD (high fever and appearance of mucous membrane of the mouth and foot.) Swine Fever | Avoid dampness and cover weak and sick animals with sack cloth. Animals should be given lukewarm feed and water. Right time to deworm with anti helmetic drugs (particularly Tapeworms) viz. Fento Plus @ 1 tablet per 30 kg body weight. Provide proper bedding materials especially to new-born piglets and lukewarm food & water Day old chick-Maintain warmth by lighting, |
| Poultry | All stages | | Day old chick-Maintain warmth by lighting,In present weather conditions protect the birds from a |

| | | by using gunny bags/plastic sheets around the poultryshed during night, Provide heat by lighting 100W bulb @ 1 bulb per 20 newly born chicks. | |
|---|-----|--|--|
| 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. Pregnant animals above 7 months of pregnancy should be avoided. | |
| Contact Scientists (ICAR) or State Agril Staff or KVK staff for measures against adverse conditions or call at 03795-226237/226247 | | | |

Agro-met Advisory Bulletin

(Period: 27th to 30th January 2018)



ग्रामीण कृषि मौसम सेवा

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

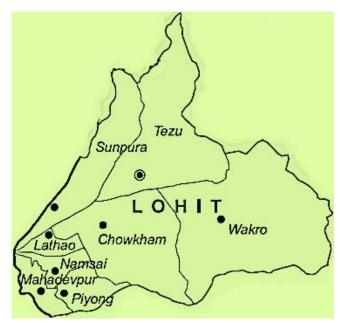


AMFU, ICAR Research Complex for NEH Region Arunachal Pradesh Centre, Basar-791101

District: Lohit

No: AMFU-Basar/2018/08

Dated: Fri, 26th January 2018



| Weather summery of the previous week | Weather forecast valid up to 31 st Jan'2018 |
|--------------------------------------|---|
| Rainfall = 0.0 mm | Mostly sunny weather forecasted. Daily maximum and minimum |
| (up to 23 rd Jan) | temperature for the following period is predicted to be 24-24°C and |
| | 13-14°C respectively. Expected morning and evening relative |
| | humidity will be 45-77% and 16-36% respectively. Wind direction is |
| | mainly ENE with speed range of 5-6 kmph. |
| Warning: | Moderate to dense fog likely to occur at isolated places |

Weather Based Agro-meteorological Advisories Bulletin

- 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.

| Сгор | Stage | Pest/Disease | Precautionary Practices to be followed |
|---|---------------------------------------|--|---|
| | | | FIELD CROPS |
| Pea | Vegetative | Powdery mildew/ leaf eating insects | Need based foliar spray of Dinocap (0.2%) or Carbendazim 50WP (0.1%) or Propiconazole (0.1%) using stickers in case of rainfall. On clear weather, spray of Azadirachtin 0.15% EC @ 6ml/lit against leaf eating insects |
| Mustard | Vegetative | Aphid | • When population level is high spraying of Dimethoate @ 4 ml per litre of water is advised using sticker in case of rainfall |
| | | | VEGETABLES |
| Ginger/ Turmeric | Maturity | | Harvest the mature crop, Cure should be taken while harvest so that the rhizome is not damaged, |
| Potato | Vegetative | Red Ants/ Late blight/ Alternaria blight | Spray Indofil m-45 at regular interval of 7 days in potato/tomato against Alternaria blight using sticker Red Ants: - Drenching with Chlorpyriphos @ 2 ml per litre of water, Foliar spray of Dithane M-45@2.5g/litre of water for management of potato late blight. |
| Cabbage/ Cauliflower/ Knolkhol/ Others | Maturity | Leaf eating caterpillars/ Aphids | Suspend all spray and fertilizer applications |
| | | HORT | ICULTURAL CROPS |
| Large Cardamom | Fruiting | Chirkey Disease | • Remove dry/diseased/old tillers & branches & spray Bio NPK@ 2ml/lit water for proper growth on clear/dry days. |
| Citrus | Maturity/ harvesting | Bark eating caterpillar, Gummosis | 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. Collect dropped fruits & dispose by putting in airtight bags or burry deep in ground. Harvest the mature fruit with stalk and store in dry places. Dead wood pruning may be done after harvesting of crop followed by spraying of fungicide, Carbendazim @ 1gm/lit of water. Breakdown the soil collected around the tree trunk |
| Banana | All stages | Sigatoka Leaf spot | One sword sucker may be allowed after shooting (Flowering), Periodical removal of side suckers by cutting them above the ground level, scoop the core and pour 2 ml of kerosene in the core, Foliar spray of Propiconazole (e.g., Tilt) @ 1 ml per litre of wate using stickers |
| Kiwi | Harvesting | | Should be harvested by snapping their stalks Fruit should be stored boxes containing cushioning materials and transported to the market in hard condition. |
| | | | Honey Bees |
| Honey bees | | | Cover the boxes with locally available dry grass or straw to provide warmth |
| | | | LIVESTOCKS |
| Livestock | Stage | Disease | Precautionary Practices to be followed |
| Damaged grClean drinki | ain (not fungus c ing water should | contaminated) to b be ensured round | General e diverted for Poultry/livestock feeding the clock and water troughs/feeders should be regularly cleaned, |
| Pigs | All stages | FMD (high fever and appearance of mucous membrane of the mouth and foot.) Swine Fever | Avoid dampness and cover weak and sick animals with sack cloth. Animals should be given lukewarm feed and water. Right time to deworm with anti helmetic drugs (particularly Tapeworms) viz. Fento Plus @ 1 tablet per 30 kg body weight. Provide proper bedding materials especially to new-born piglets and lukewarm food & water |

| Cattle | All stages | FMD | Animals should be given lukewarm feed and water. Right time to deworm with anti helmetic drugs (particularly Tapeworms) viz. Fento Plus @ 1 tablet per 30 kg body weight. Provide proper bedding materials especially to new-born and lukewarm food & water Heavy mortality in cloven footed animals has been reported. Supportive treatment of infected animals under supervision of veterinary department officials, Avoid mixing of infected and healthy animals, Keep infected animals separated from the healthy ones, Vaccinate the healthy animals against FMD (Through State Veterinary Dept.) Provide feed supplements | |
|---------------|---|-----|---|--|
| Poultry | All stages | | Day old chick-Maintain warmth by lighting, In present weather conditions protect the birds from cold by using gunny bags/plastic sheets around the poultryshed during night, Provide heat by lighting 100W bulb @ 1 bulb per 20 newly born chicks. | |
| 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. Pregnant animals above 7 months of pregnancy should be avoided. | |
| Contact Scien | Contact Scientists (ICAR) or State Agril Staff or KVK staff for measures against adverse conditions or call at 03795-226237/226247 | | | |

Agro-met Advisory Bulletin

(Period: 27th to 30th January 2018)



ग्रामीण कृषि मौसम सेवा



(Integrated Agro-Meteorological Advisory Services)



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

District: Lower Dibang Valley

No: AMFU-Basar/2018/08

Dated: Fri, 26th January 2018



| Weather summery of the previous week | Weather forecast valid up to 31 st Jan'2018 |
|---|---|
| Rainfall = 0.0 mm (Roing) (up to 23^{rd} Jan) | Mostly sunny weather forecasted. Daily maximum and minimum |
| | temperature for the following period is predicted to be 22-24°C and |
| | 11-12°C respectively. Expected morning and evening relative |
| | humidity will be 64-88% and 21-44% respectively. Wind direction is |
| | mainly ESE & SSE with speed range of 5-6 kmph. |
| Warning: | Rain in few isolated places |

Weather Based Agro-meteorological Advisories Bulletin

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

| Сгор | Stage | Pest/Disease | Precautionary Practices to be followed |
|---|-------------------------|--|---|
| Dee | Verst | | FIELD CROPS |
| Pea | Vegetative | Powdery mildew/ leaf eating insects | Need based foliar spray of Dinocap (0.2%) or Carbendazim 50WP (0.1%) or Propiconazole (0.1%) using sticker. On clear weather, spray of Azadirachtin 0.15% EC @ 6ml/lit against leaf eating insects |
| Mustard | Vegetative | Aphid | • When population level is high spraying of Dimethoate @ 4 ml per litre of water is advised using sticker in case of rainfall |
| | | | VEGETABLES |
| Ginger/ Turmeric | Maturity | | Harvest the mature crop, Cure should be taken while harvest so that the rhizome is not damaged, |
| Potato | Vegetative | Red Ants/ Late blight/ Alternaria blight | Spray Indofil m-45 at regular interval of 7 days in potato/tomato against Alternaria blight Red Ants: - Drenching with Chlorpyriphos @ 2 ml per litre of water, Foliar spray of Dithane M-45@2.5g/litre of water for management of potato late blight. |
| Cabbage/ Cauliflower/ Knolkhol/ Others | Maturity/ Harvesting | Leaf eating caterpillars/ Aphids | Suspend all spray operations and fertilization |
| | | HORT | ICULTURAL CROPS |
| Large Cardamom | Fruiting | Chirkey Disease | • Remove dry/diseased/old tillers & branches & spray Bio NPK@ 2ml/lit water for proper growth on clear/dry days. |
| Citrus | Maturity/ harvesting | Bark eating caterpillar, Trunk borer, Blue & Green mould | Orange (only if harvesting is over): Go for drenching with Dichlorovos 76 EC@0.05% against trunk-borer. Against Blue & Green mould, spray Imazalil 34 WP @ 1g/lit using stickers. Prune away the diseased portion of the plant. 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 | Multiple stages | Sigatoka Leaf spot | One sword sucker may be allowed after shooting (Flowering), Periodical removal of side suckers by cutting them above the ground level, scoop the core and pour 2 ml of kerosene in the core, Foliar spray of Propiconazole (e.g., Tilt) @ 1 ml per litre of wate using stickers in case of rainfall. |
| | | | Honey Bees |
| Honey bees | | | Box must be covered with straw/dry leaves to provide warmth LIVESTOCKS |
| Livesteel | Stage | Diagon | |
| | - | | Precautionary Practices to be followed General e diverted for Poultry/livestock feeding the clock and water troughs/feeders should be regularly cleaned, |
| Pigs | All stages | FMD (high fever and appearance of mucous membrane of the mouth and foot.) Swine Fever | |
| Cattle | All stages | FMD | Animals should be given lukewarm feed and water. Right time to deworm with anti helmetic drugs (particularly Tapeworms) viz. Fento Plus @ 1 tablet per 30 kg body weight. Provide proper bedding materials especially to new-born and lukewarm food & water |

| Poultry | All stages | Supportive treatment of infected animals under supervision of veterinary department officials, Avoid mixing of infected and healthy animals, Keep infected animals separated from the healthy ones, Vaccinate the healthy animals against FMD (Through State Veterinary Dept.) Provide feed supplements Day old chick-Maintain warmth by lighting, In present weather conditions protect the birds from cold by using gunny bags/plastic sheets around the poultry shed during night, Provide heat by lighting 100W bulb @ 1 bulb per 20 newly born chicks. |
|---------|------------|--|
| Goat | All stages | Deworming for gastrointestinal parasite |

Agro-met Advisory Bulletin

(Period: 27th to 30th January 2018)



ग्रामीण कृषि मौसम सेवा

GRAMIN KRISHI MAUSAM SEWA





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

District: Lower Subansiri

No: AMFU-Basar/2018/08

Dated: Fri, 26th January 2018



| Weather summery of the previous week | Weather forecast valid up to 31 st Jan'2018 |
|--------------------------------------|--|
| Rainfall = NA | Mostly sunny with possibility of very light rainfall. Daily |
| | maximum and minimum temperature for the following period is |
| | predicted to be 22-24°C and 11-12°C respectively. Expected |
| | morning and evening relative humidity will be 79-89% and 40-55% |
| | respectively. Wind direction is mainly SSW with speed range of 5-6 |
| | kmph. |
| Warning: | Rain in few isolated places |

Weather Based Agro-meteorological Advisories Bulletin

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

| ~ | ~ | | |
|---|-------------------------|---|---|
| Сгор | Stage | Pest/Disease | Precautionary Practices to be followed |
| D | X 7 () | | FIELD CROPS |
| Pea | Vegetative | Powdery mildew/ leaf eating insects | Need based foliar spray of Dinocap (0.2%) or Carbendazim 50WP (0.1%) or Propiconazole (0.1%) using sticker in case of rainfall. On clear weather, spray of Azadirachtin 0.15% EC @ |
| | | | 6ml/lit against leaf eating insects |
| | | | VEGETABLES |
| Potato | Vegetative | Red Ants/ Late blight/ Alternaria blight | Spray Indofil m-45 at regular interval of 7 days in potato/tomato against Alternaria blight using sticker in case of rainfall Red Ants: - Drenching with Chlorpyriphos @ 2 ml per litre of water, Foliar spray of Dithane M-45@2.5g/litre of water for management of potato late blight. |
| Cabbage/ Cauliflower/ Knolkhol/ Others | Maturity/ Harvesting | Leaf eating caterpillars/ Aphids | In present weather conditions severe attack of leaf eating caterpillars has been reported. Spray Azadirachtin(0.015%) @6ml/litre of water when weather is clear. Spray with neem based pesticides against aphids on clear/dry day |
| | | HORT | ICULTURAL CROPS |
| Pineapple | Harvesting | | • After winter harvest, collection/Selection of suckers & slip to be done for next season planting |
| Temperate fruits | After harvesting | | Training & pruning of the temperate crops (apple/pears/peach) is recommended In case of flowering, stop spraying insecticides/pesticides |
| Citrus | Maturity/ harvesting | Bark eating caterpillar, Trunk borer, Blue & Green mould | Orange (only if harvesting is over): Go for drenching with Dichlorovos 76 EC@0.05% against trunk-borer. Against Blue & Green mould, spray Imazalil 34 WP @ 1g/lit using sticker if rains. Prune away the diseased portion of the plant. 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 Mulching with straw/crop residue at root zone to avoid frost injury in banana. |
| | | | Agroforestry |
| Toko palm | Nursery | | Filling of nursery polybags for raising of takopalm seedlings |
| | | | Honey Bees |
| Honey bees | | | • Box must be covered with straw/dry leaves to provide warmth |
| | | | LIVESTOCKS |
| Livestock | Stage | Disease | Precautionary Practices to be followed |
| Clean drink | ing water should | be ensured round | General e diverted for Poultry/livestock feeding the clock and water troughs/feeders should be regularly cleaned, |
| Cattle | All stages | FMD | Animals should be given lukewarm feed and water. Right time to deworm with anti helmetic drugs (particularly Tapeworms) viz. Fento Plus @ 1 tablet per 30 kg body weight. Provide proper bedding materials especially to new-born and lukewarm food & water Provide feed supplements |
| Pigs | All stages | FMD (high fever and appearance of mucous membrane of the mouth and foot.) | Avoid dampness and cover weak and sick animals with sack cloth. Animals should be given lukewarm feed and water. Right time to deworm with anti helmetic drugs (particularly |

| | | Swine Fever | • Provide proper bedding materials especially to new-born piglets and lukewarm food & water | |
|--------------|---|-------------|--|--|
| Poultry | All stages | | Day old chick-Maintain warmth by lighting, In present weather conditions protect the birds from cold by using gunny bags/plastic sheets around the poultryshed during night, Provide heat by lighting 100W bulb @ 1 bulb per 20 newly born chicks. | |
| 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. Pregnant animals above 7 months of pregnancy should be avoided. | |
| Contact Scie | Contact Scientists (ICAR) or State Agril Staff or KVK staff for measures against adverse conditions or call at 03795-226237/226247 | | | |

Agro-met Advisory Bulletin

(Period: 27th to 30th January 2018)



ग्रामीण कृषि मौसम सेवा

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



भा कु अनुप - पु प सं

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

District: Papum Pare

No: AMFU-Basar/2018/08

Dated: Fri, 26th January 2018



| Weather summery of the previous week | Weather forecast valid up to 31 st Jan'2018 |
|---|---|
| Rainfall: 0.0 mm; T. Max: 29.0°C; T. Min: | Partly/mostly cloudy with possibility of light/moderate rainfall. |
| 13.0° C; RH: 64-77% (up to 23 rd Jan) | Daily maximum and minimum temperature for the following period |
| | is predicted to be 26-27°C and 12-14°C respectively. Expected |
| | morning and evening relative humidity will be 77-90% and 34-53% |
| | respectively. Expected wind direction mainly SSW & WNW with |
| | speed range of 4-5 kmph. |
| Warning: | Moderate to dense fog likely to occur at isolated places |

Weather Based Agro-meteorological Advisories Bulletin

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

| Crop | Stage | Pest/Disease | Precautionary Practices to be followed |
|---|-------------------------------------|--|--|
| D | ¥7 · | | FIELD CROPS |
| Pea | Vegetative | Powdery mildew/ leaf eating insects | • Need based foliar spray of Dinocap (0.2%) or Carbendazim 50WP (0.1%) or Propiconazole (0.1%) using stickers in case of rainfall. |
| | | | • On clear weather, spray of Azadirachtin 0.15% EC @ 6ml/lit against leaf eating insects |
| Mustard | Vegetative | Aphid | When population level is high spraying of Dimethoate @ 4 |
| | 0 | | ml per litre of water is advised using stickers in case of rainfall |
| Maize | Harvesting | Rat | Harvest mature cobs and dry properly before storing Use locally available traps to control rats menace |
| | | | VEGETABLES |
| Ginger/ Turmeric | Maturity | | • Harvest the mature crop, |
| - | | | • Cure should be taken while harvest so that the rhizome is not damaged, |
| Potato | Vegetative | Red Ants/ | • Spray Indofil m-45 at regular interval of 7 days in |
| | | Late blight/ Alternaria blight | potato/tomato against Alternaria blight using stickers in case of rainfall |
| | | | Red Ants: - Drenching with Chlorpyriphos @ 2 ml per litre of water, |
| | | | • Foliar spray of Dithane <u>M-45@2.5g/litre</u> of water for management of potato late blight. |
| Cabbage/ Cauliflower/ Knolkhol/ Others | Maturity/ Harvesting | Leaf eating caterpillars/ Aphids | • Suspend all spray operations and fertilizer applications. |
| | | HORT | ICULTURAL CROPS |
| Citrus Large Cardamom | Maturity/ harvesting Fruiting | Bark eating caterpillar, Gummosis | 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. Collect dropped fruits & dispose by putting in airtight bags or burry deep in ground. Harvest the mature fruit with stalk and store in dry places. Dead wood pruning may be done after harvesting of crop followed by spraying of fungicide, Carbendazim @ 1gm/lit of water. Breakdown the soil collected around the tree trunk Remove dry/diseased/old tillers & branches & spray Bio NPK@ 2ml/lit water for proper growth using |
| _ | | | stickers in case of rainfall. |
| Banana | Multiple stages | Sigatoka Leaf spot | One sword sucker may be allowed after shooting (Flowering), Periodical removal of side suckers by cutting them above the ground level, scoop the core and pour 2 ml of kerosene in the core, Foliar spray of Propiconazole (e.g., Tilt) @ 1 ml per litre of water using stickers in case of rainfall |
| II | | | Honey Bees |
| Honey bees | | | • Box must be covered with straw/dry leaves to provide warmth |
| | | | LIVESTOCKS |
| Livestock | Stage | Disease | Precautionary Practices to be followed |
| 0 0 | | | General e diverted for Poultry/livestock feeding the clock and water troughs/feeders should be regularly cleaned, |
| Goat | All stages | | Deworming for gastrointestinal parasite |
| | | EMD (high former | |
| Pigs | All stages | FMD (high fever and appearance of mucous | with sack cloth. |
| | | membrane of the mouth and foot.) | Animals should be given lukewarm feed and water. Right time to deworm with anti helmetic drugs (particularly Tapeworms) viz. Fento Plus @ 1 tablet per 30 kg body weight. |
| | | Swine Fever | Provide proper bedding materials especially to new-born |

| | | | | piglets and lukewarm food & water | |
|---------------|---|--|---|---|--|
| Fishery | | | ٠ | Keep fish stoking density thin @1200/ha | |
| Cattle | All stages | FMD | • | Animals should be given lukewarm feed and water. Right time to deworm with anti helmetic drugs (particularly Tapeworms) viz. Fento Plus @ 1 tablet per 30 kg body weight. Provide proper bedding materials especially to new-born and lukewarm food & water Provide feed supplements | |
| Pigs | All stages | FMD (high fever and appearance of mucous membrane of the mouth and foot.) Swine Fever | • | Iron injection within 10 days of birth is advised to newly born piglets if they are kept in confined system Deworm with anti helmetic drugs (particularly Tapeworms) viz. Fento Plus @ 1 tablet per 30 kg body weightIn present weather conditions vaccinate against swine fever (Vaccines available in State Veterinary Depts), | |
| Contact Scien | Contact Scientists (ICAR) or State Agril Staff or KVK staff for measures against adverse conditions or call at 03795-226237/226247 | | | | |

Agro-met Advisory Bulletin

(Period: 27th to 30th January 2018)



ग्रामीण कृषि मौसम सेवा

GRAMIN KRISHI MAUSAM SEWA





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

District: Tawang

No: AMFU-Basar/2018/08

Dated: Fri, 26th January 2018



| Weather summery of the previous week | Weather forecast valid up to 31 st Jan'2018 |
|---|---|
| Rainfall = 0.0 mm (up to 23^{rd} Jan) | Generally clear/dry weather forecasted. Daily maximum and |
| | minimum temperature for the following period is predicted to be 14- |
| | 15°C and 2.0-3.0°C respectively. Expected morning and evening |
| | relative humidity will be 47-75% and 04-23% respectively. Wind |
| | direction is mainly WSW & W with probable speed range of 5-8 |
| | kmph. |
| Warning: | Rain in few isolated places |

Weather Based Agro-meteorological Advisories Bulletin

- Disinfecting the animal/bird sheds with lime powder/ bleaching powder/ 4%NaOH at regular interval is advocated
- 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

| Сгор | Stage | Pest/Disease | Precautionary Practices to be followed |
|------------------|------------------|---------------------|---|
| | | | FIELD CROPS |
| Pea | Vegetative | Powdery | • Need based foliar spray of Dinocap (0.2%) or Carbendazim |
| | | mildew/ leaf | 50WP(0.1%) or Propiconazole (0.1%). |
| | | eating insects | • On clear weather, spray of Azadirachtin 0.15% EC @ |
| | | | 6ml/lit against leaf eating insects |
| Maize | Harvesting | Rat | • Harvest mature cobs and dry properly before storing |
| | 0 | | • Use locally available traps to control rats menace |
| | | | VEGETABLES |
| Potato | Vegetative | Red Ants/ | Weeding and application of fertilizer as per recommended |
| 1 00000 | , ogetaal e | Late blight/ | doses is suggested in potato. |
| | | Alternaria blight | • Spray Indofil m-45 at regular interval of 7 days in |
| | | 8 | potato/tomato against Alternaria blight |
| | | | Ridge should be properly made, |
| | | | Red Ants: - Drenching with Chlorpyriphos @ 2 ml per litre of |
| | | | water, |
| | | | Foliar spray of Dithane <u>M-45@2.5g/litre</u> of water for |
| | | | management of potato late blight. |
| Cabbage/ | Maturity | Leaf eating | Light irrigation is essential, |
| Cauliflower/ | wiaturity | caterpillars/ | In present weather conditions severe attack of leaf eating |
| Knolkhol/ | | Aphids | • In present weather conditions severe attack of real eating caterpillars has been reported. Spray Azadirachtin(0.015%) |
| Others | | ripindo | @6ml/litre of water when weather is clear. |
| ounois | | | |
| | | ЦОРТ | Spray with neem based pesticides against aphids ICULTURAL CROPS |
| Tomporato fruita | After hornesting | | |
| Temperate fruits | After harvesting | | • Training & pruning of the temperate crops (apple/pears/peach) is recommended |
| | | | |
| | Devel | C-14 | In case of flowering, stop spraying insecticides/pesticides |
| Banana | Bunching | Cold | • Cover newly emerged bunches with locally available sack to |
| | | | protect from cold/frost |
| | | | Mulching with straw/crop residue at root zone to avoid funct inform in known |
| Kiwi | II | | frost injury in banana. |
| K1W1 | Harvesting | | • Should be harvested by snapping their stalks |
| | | | • Fruit should be stored boxes containing cushioning materials |
| Qual: | | | and transported to the market in hard condition. |
| Orchards | | | • Prepare half moon terraces in fruit crops |
| | | | (orange/banana/apple/peach) grown in steep slopes to prevent |
| | | | nutrient loss during heavy downpour. |
| | | | • Follow proper drainage and earthing up practices in low land/plain areas to avoid water stagnation in fruit orchards |
| | | | |
| II | | | Honey Bees |
| Honey bees | | | • Provide sugar syrup near the box |
| | | | • Cover the boxes with locally available dry grass to provide |
| | | | warmth. |
| | | | LIVESTOCKS |
| Livestock | Stage | Disease | Precautionary Practices to be followed |
| | | | General |
| 0 0 | | | e diverted for Poultry/livestock feeding |
| Clean drink | ing water should | be ensured round | the clock and water troughs/feeders should be regularly cleaned, |
| Pigs | All stages | FMD (high fever | Avoid dampness and cover weak and sick animals |
| | | and appearance | with sack cloth. |
| | | of mucous | • Animals should be given lukewarm feed and water. |
| | | membrane of the | • Right time to deworm with anti helmetic drugs (particularly |
| | | mouth and foot.) | Tapeworms) viz. Fento Plus @ 1 tablet per 30 kg body weight. |
| | | Swine Fever | Provide proper bedding materials especially to new-born |
| | | | piglets and lukewarm food & water |
| Cattle | All stages | FMD | Animals should be given lukewarm feed and water. |
| | | _ | Right time to deworm with anti helmetic drugs |
| | | | (particularly Tapeworms) viz. Fento Plus @ 1 tablet per 30 |
| | | | kg body weight. |
| | | | Provide proper bedding materials especially to new-born and |
| | | | • Provide proper bedding materials especially to new-born and lukewarm food & water |
| | | | Provide feed supplements |
| | A 11 . | | |
| Poultry | All stages | | • Day old chick-Maintain warmth by lighting. |

| | In present weather conditions protect the birds from cold by using gunny bags/plastic sheets around the poultryshed during night, Provide heat by lighting 100W bulb @ 1 bulb per 20 newly born chicks. | | | |
|---|--|--|--|--|
| Contact Scientists (ICAR) or State Agril Staff or KVK staff for measures against adverse conditions or call at 03795-226237/226247 | | | | |

Agro-met Advisory Bulletin

(Period: 27th to 30th January 2018)



ग्रामीण कृषि मौसम सेवा

GRAMIN KRISHI MAUSAM SEWA

(Integrated Agro-Meteorological Advisory Services)



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

District: Tirap

No: AMFU-Basar/2018/08

Dated: Fri, 26th January 2018



| Weather summery of the previous week | Weather forecast valid up to 28 th Jan'2018 |
|---|---|
| Rainfall = 0.0 mm (up to 23^{rd} Jan) | Generally clear/dry weather forecasted. Daily maximum and |
| | minimum temperature for the following period is predicted to be 26- |
| | 27°C and 12-14°C respectively. Expected morning and evening |
| | relative humidity will be 100% and 29-47% respectively. Wind |
| | direction is mainly ESE & E with speed range of 0-2 kmph. |
| Warning: | Rain in few isolated places |

Weather Based Agro-meteorological Advisories Bulletin

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

| Crop | Stage | Pest/Disease | Precautionary Practices to be followed |
|---|-------------------------|--|---|
| | | | FIELD CROPS |
| Pea | Vegetative | Powdery mildew/ leaf eating insects | Need based foliar spray of Dinocap (0.2%) or Carbendazim 50WP (0.1%) or Propiconazole (0.1%) using stickers in case of rainfall. On clear weather, spray of Azadirachtin 0.15% EC @ 6ml/lit against leaf eating insects or using stickers in case of rainfall |
| Mustard | Vegetative | Aphid | When population level is high spraying of Dimethoate @ 4 ml per litre of water is advised using stickers in case of rainfall |
| | | · | VEGETABLES |
| Ginger/ Turmeric | Maturity | | Harvest the mature crop, Cure should be taken while harvest so that the rhizome is not damaged, |
| Potato | Vegetative | Red Ants/ Late blight/ Alternaria blight | Spray Indofil m-45 at regular interval of 7 days in potato/tomato against Alternaria blight using stickers in case of rainfall Red Ants: - Drenching with Chlorpyriphos @ 2 ml per litre of water, Foliar spray of Dithane M-45@2.5g/litre of water for management of potato late blight using stickers in case of rainfall. |
| Cabbage/ Cauliflower/ Knolkhol/ Others | Maturity/ Harvesting | Leaf eating caterpillars/ Aphids | Suspend all spray operations |
| | | HORT | ICULTURAL CROPS |
| Citrus | Maturity/ harvesting | Bark eating caterpillar, Trunk borer, Blue & Green mould | Orange (only if harvesting is over): Go for drenching with Dichlorovos 76 EC@0.05% against trunk-borer. Against Blue & Green mould, spray Imazalil 34 WP @ 1g/lit using stickers in case of rainfall. Prune away the diseased portion of the plant. 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 | All stages | Sigatoka Leaf spot | One sword sucker may be allowed after shooting (Flowering), Periodical removal of side suckers by cutting them above the ground level, scoop the core and pour 2 ml of kerosene in the core, Foliar spray of Propiconazole (e.g., Tilt) @ 1 ml per litre of water using stickers in case of rainfall |
| | | | Honey Bees |
| | | | • Box must be covered with straw/dry leaves to provide warmth |
| | | | warmth LIVESTOCKS |
| Livestock | Stage | Disease | Precautionary Practices to be followed |
| Damaged gr | ain (not fungus c | contaminated) to b | General e diverted for Poultry/livestock feeding |
| | | | the clock and water troughs/feeders should be regularly cleaned, |
| Pigs | All stages | FMD (high fever and appearance of mucous membrane of the mouth and foot.) Swine Fever | Avoid dampness and cover weak and sick animals with sack cloth. Animals should be given lukewarm feed and water. Right time to deworm with anti helmetic drugs (particularly Tapeworms) viz. Fento Plus @ 1 tablet per 30 kg body weight. Provide proper bedding materials especially to new-born piglets and lukewarm food & water |
| Cattle | All stages | FMD | Animals should be given lukewarm feed and water. Right time to deworm with anti helmetic drugs (particularly Tapeworms) viz. Fento Plus @ 1 tablet per 30 kg body weight. Provide proper bedding materials especially to new-born and |

| | | | lukewarm food & waterProvide feed supplements | |
|---|------------|--|---|--|
| Pigs | All stages | FMD (high fever and appearance of mucous membrane of the mouth and foot.) Swine Fever | Iron injection within 10 days of birth is advised to newly born piglets if they are kept in confined system Deworm with anti helmetic drugs (particularly Tapeworms) viz. Fento Plus @ 1 tablet per 30 kg body weight In present weather conditions vaccinate against swine fever (Vaccines available in State Veterinary Depts), | |
| Contact Scientists (ICAR) or State Agril Staff or KVK staff for measures against adverse conditions or call at 03795-226237/226247 | | | | |



कृषि मौसम सलाहकार सेवा पत्रिका

Agro-met Advisory Bulletin

(Period: 27th to 30th January 2018)



ग्रामीण कृषि मौसम सेवा

GRAMIN KRISHI MAUSAM SEWA

(Integrated Agro-Meteorological Advisory Services)



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

District: Upper Siang

No: AMFU-Basar/2018/08

Dated: Fri, 26th January 2018



| Weather summery of the previous week | Weather forecast valid up to 31 st Jan'2018 |
|---|--|
| Rainfall = 0.0 mm (up to 23^{rd} Jan) | Partly cloudy with possibility of light/moderate rainfall. Daily |
| | maximum and minimum temperature for the following period is |
| | predicted to be 21-23°C and 06-07°C respectively. Expected |
| | morning and evening relative humidity will be 62-82% and 37-58% |
| | respectively. Wind direction is mainly SSE & S with speed range of |
| | 5-7 kmph. |
| Warning: | Rain in few isolated places |

Weather Based Agro-meteorological Advisories Bulletin

General Recommendations

• Disinfecting the animal/bird sheds with lime powder/bleaching powder/4%NaOH at regular interval is advocated

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

| Crop | Stage | Pest/Disease | Precautionary Practices to be followed |
|---|-------------------------|--|---|
| | | | FIELD CROPS |
| Pea | Vegetative | Powdery mildew/ leaf eating insects | Need based foliar spray of Dinocap (0.2%) or Carbendazim 50WP (0.1%) or Propiconazole (0.1%) using stickers in case of rainfall. On clear weather, spray of Azadirachtin 0.15% EC @ 6ml/lit against leaf eating insects or using stickers in case of rainfall |
| | | | VEGETABLES |
| Ginger/ Turmeric | Maturity | | Harvest the mature crop, Cure should be taken while harvest so that the rhizome is not damaged, |
| Potato | Vegetative | Red Ants/ Late blight/ Alternaria blight | Spray Indofil m-45 at regular interval of 7 days in potato/tomato against Alternaria blight using stickers in case of rainfall Red Ants: - Drenching with Chlorpyriphos @ 2 ml per litre of water, Foliar spray of Dithane M-45@2.5g/litre of water for management of potato late blight using stickers in case of rainfall. |
| Cabbage/ Cauliflower/ Knolkhol/ Others | Maturity/ Harvesting | Leaf eating caterpillars/ Aphids | Light irrigation is essential, In present weather conditions severe attack of leaf eating caterpillars has been reported. Spray Azadirachtin(0.015%) @6ml/litre of water when weather is clear. Spray with neem based pesticides against aphids using stickers in case of rainfall |
| | | HORT | ICULTURAL CROPS |
| Temperate fruits | After harvesting | | Training & pruning of the temperate crops (apple/pears/peach) is recommended In case of flowering, stop spraying insecticides/pesticides |
| Citrus | Maturity/ harvesting | Bark eating caterpillar, Trunk borer, Blue & Green mould | Orange (only if harvesting is over): Go for drenching with Dichlorovos 76 EC@0.05% against trunk-borer. Against Blue & Green mould, spray Imazalil 34 WP @ 1g/lit using stickers in case of rainfall. Prune away the diseased portion of the plant. 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 | | After winter harvest, collection/Selection of suckers & slip to be done for next season planting |
| Banana | Bunching | Cold | Cover newly emerged bunches with locally available sack to protect from cold/frost Mulching with straw/crop residue at root zone to avoid frost injury in banana. |
| Kiwi | Harvesting | | Should be harvested by snapping their stalks Fruit should be stored boxes containing cushioning materials and transported to the market in hard condition. |
| Honey bees | | | Honey Bees Box must be covered with straw/dry leaves to provide warmth Provide sugar syrup |
| | | | LIVESTOCKS |
| Livestock | Stage | Disease | Precautionary Practices to be followed |
| • Damaged gr | ain (not fungus co | ontaminated) to b | General de diverted for Poultry/livestock feeding the clock and water troughs/feeders should be regularly cleaned, |
| Pigs | All stages | FMD (high fever and appearance of mucous | |

| Cattle | membrane of the mouth and foot.) Swine FeverAll stagesFMD | Tapeworms) viz. Fento Plus @ 1 tablet per 30 kg body weight. Provide proper bedding materials especially to new-born piglets and lukewarm food & water Animals should be given lukewarm feed and water. Right time to deworm with anti helmetic drugs (particularly Tapeworms) viz. Fento Plus @ 1 tablet per 30 | |
|---------------|---|---|--|
| | | kg body weight. Provide proper bedding materials especially to new-born and lukewarm food & water Provide feed supplements | |
| Fishery | | Application of quick lime is highly recommended in order to rectify water pH. Application of fish feed (mustard oil cake) is essential for achieving higher yield | |
| Poultry | All stages | Day old chick-Maintain warmth by lighting, In present weather conditions protect the birds from cold by using gunny bags/plastic sheets around the poultryshed during night, Provide heat by lighting 100W bulb @ 1 bulb per 20 newly born chicks. | |
| 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. Pregnant animals above 7 months of pregnancy should be avoided. | |
| Contact Scien | Contact Scientists (ICAR) or State Agril Staff or KVK staff for measures against adverse conditions or call at 03795-226237/226247 | | |

> Agrometeorological Field Unit ICAR, BASAR

कृषि मौसम सलाहकार सेवा पत्रिका

Agro-met Advisory Bulletin

(Period: 27th to 30th January 2018)



ग्रामीण कृषि मौसम सेवा

GRAMIN KRISHI MAUSAM SEWA



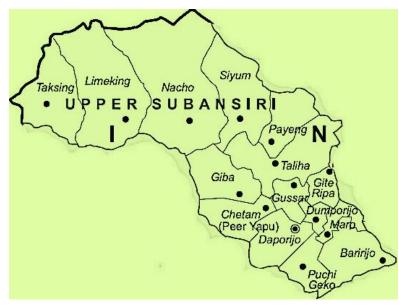


AMFU, ICAR Research Complex for NEH Region Arunachal Pradesh Centre, Basar-791101

District: Upper Subansiri

No: AMFU-Basar/2018/08

Dated: Fri, 26th January 2018



| Weather summery of the previous week | Weather forecast valid up to 31 st Jan'2018 |
|---|--|
| Daporijo: 0.0 mm (up to 23 rd Jan) | Partly cloudy with possibility of light/moderate rainfall. Daily |
| | maximum and minimum temperature for the following period is |
| | predicted to be 22-24°C and 11-12°C respectively. Expected |
| | morning and evening relative humidity will be 72-88% and 43-64% |
| | respectively. Expected wind direction is mainly SW with speed |
| | range of 3-6 kmph. |
| Warning | Rain in few isolated places |

Weather Based Agro-meteorological Advisories Bulletin

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

| Crop | Stage | Pest/Disease | Precautionary Practices to be followed |
|---|-------------------------|--|---|
| | | | FIELD CROPS |
| Pea | Vegetative | Powdery mildew/ leaf eating insects | Need based foliar spray of Dinocap (0.2%) or Carbendazim 50WP (0.1%) or Propiconazole (0.1%) using stickers in case of rainfall. On clear weather, spray of Azadirachtin 0.15% EC @ 6ml/lit against leaf eating insects or using stickers in case of rainfall |
| | | | VEGETABLES |
| Potato | Vegetative | Red Ants/ Late blight/ Alternaria blight | Spray Indofil m-45 at regular interval of 7 days in potato/tomato against Alternaria blight using stickers in case of rainfall Red Ants: - Drenching with Chlorpyriphos @ 2 ml per litre of water, Foliar spray of Dithane M-45@2.5g/litre of water for management of potato late blight. |
| Cabbage/ Cauliflower/ Knolkhol/ Others | Maturity | Leaf eating caterpillars/ Aphids | In present weather conditions severe attack of leaf eating caterpillars has been reported. Spray Azadirachtin(0.015%) @6ml/litre of water when weather is clear using stickers in case of rainfall. Spray with neem based pesticides against aphids using stickers in case of rainfall |
| | | HORT | ICULTURAL CROPS |
| Citrus | Maturity/ harvesting | Bark eating caterpillar, Trunk borer, Blue & Green mould | Orange (only if harvesting is over): Go for drenching with Dichlorovos 76 EC@0.05% against trunk-borer. Against Blue & Green mould, spray Imazalil 34 WP @ 1g/lit using stickers in case of rainfall. Prune away the diseased portion of the plant. 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 |
| Large Cardamom | Fruiting | Chirkey Disease | • Remove dry/diseased/old tillers & branches & spray Bio NPK@ 2ml/lit water for proper growth 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. 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 |
| Tioney bees | | | Add insulation and ventilation systems |
| . | C: | D: | LIVESTOCKS |
| Livestock | Stage | Disease | Precautionary Practices to be followed |
| | - | | General e diverted for Poultry/livestock feeding the clock and water troughs/feeders should be regularly cleaned, • Keep fish stoking density thin @1200/ha |
| Cattle | All stages | FMD | Animals should be given lukewarm feed and water. Right time to deworm with anti helmetic drugs (particularly Tapeworms) viz. Fento Plus @ 1 tablet per 30 kg body weight. Provide proper bedding materials especially to new-born and lukewarm food & water Provide feed supplements |
| Pigs | All stages | FMD (high fever and appearance of mucous | |

| Mithun | membrane of the mouth and foot.) Swine Fever FMD | Animals should be given lukewarm feed and water. Right time to deworm with anti helmetic drugs (particularly Tapeworms) viz. Fento Plus @ 1 tablet per 30 kg body weight. Provide proper bedding materials especially to new-born piglets and lukewarm food & water 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. | |
|---|---|---|--|
| Contact Scientists (ICAR) or State Agril Staff or KVK staff for measures against adverse conditions or call at 03795-226237/226247 | | | |

> Agrometeorological Field Unit ICAR, BASAR

कृषि मौसम सलाहकार सेवा पत्रिका

Agro-met Advisory Bulletin

(Period: 27th to 30th January 2018)



ग्रामीण कृषि मौसम सेवा

GRAMIN KRISHI MAUSAM SEWA





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

District: West Kameng

No: AMFU-Basar/2018/08

Dated: Fri, 26th January 2018



| Weather summery of the previous week | Weather forecast valid up to 31 st Jan'2018 |
|--|---|
| Rainfall = Bomdila: 0.0 ; Bhalukpong: 0.0 mm (up to 23 rd Jan) | Partly cloudy with possibility of very light rainfall. Daily maximum and minimum temperature for the following period is predicted to be 21-23°C and 06-07°C respectively. Expected morning and evening relative humidity will be 86-91% and 30-42% respectively. Wind direction is mainly NW & NNW with speed |
| | range of 5-6 kmph. |
| Warning: | Moderate to dense fog likely to occur at isolated places |

Weather Based Agro-meteorological Advisories Bulletin

General Recommendations

- Disinfecting the animal/bird sheds with lime powder/ bleaching powder/ 4%NaOH at regular interval is advocated
- 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

| Сгор | Stage | Pest/Disease | Precautionary Practices to be followed |
|---|-------------------------|--|---|
| | | | FIELD CROPS |
| Pea | Vegetative | | Suspend all spray operations |
| | | | VEGETABLES |
| Potato | Vegetative | Red Ants/ Late blight/ Alternaria blight | Spray Indofil m-45 at regular interval of 7 days in potato/tomato against Alternaria blight using stickers in case of rainfall Red Ants: - Drenching with Chlorpyriphos @ 2 ml per litre of water, Foliar spray of Dithane M-45@2.5g/litre of water for management of potato late blight using stickers in case of rainfall. |
| Cabbage/ Cauliflower/ Knolkhol/ Others | Maturity/ Harvesting | Leaf eating caterpillars/ Aphids | • Suspend all spray operations and application of fertilizers |
| | | HORT | ICULTURAL CROPS |
| Temperate fruits | After harvesting | | Training & pruning of the temperate crops (apple/pears/peach) is recommended In case of flowering, stop spraying insecticides/pesticides |
| Banana | Bunching | Cold | Cover newly emerged bunches with locally available sack to protect from cold/frost |
| Citrus | Maturity/ harvesting | Fruit Drop Fruit Fly Gummosis | Harvest the mature fruit with stalk and store in dry places. Collect & dispose rotten fallen fruits/ install fruit-fly traps Dead wood pruning may be done after harvesting of crop followed by spraying of fungicide, Carbendazim @ 1gm/lit of water. Breakdown the soil collected around the tree trunk |
| | | | Honey Bees |
| Honey bees | | | Provide sugar syrup near the box |
| | | | Add insulation and ventilation systems |
| Livestock | Stage | Disease | Precautionary Practices to be followed |
| LIVESLUCK | Stage | Disease | General |
| Domogod gr | ain (not fungus c | ontominated) to h | e diverted for Poultry/livestock feeding |
| 0 0 | | | the clock and water troughs/feeders should be regularly cleaned, |
| Fishery | | | Keep fish stoking density thin @1200/ha |
| Pigs | All stages | FMD (high fever and appearance of mucous membrane of the mouth and foot.) Swine Fever | Avoid dampness and cover weak and sick animals with sack cloth. Animals should be given lukewarm feed and water. Right time to deworm with anti helmetic drugs (particularly Tapeworms) viz. Fento Plus @ 1 tablet per 30 kg body weight. Provide proper bedding materials especially to new-born piglets and lukewarm food & water |
| Cattle | All stages | FMD | Animals should be given lukewarm feed and water. Right time to deworm with anti helmetic drugs (particularly Tapeworms) viz. Fento Plus @ 1 tablet per 30 kg body weight. |
| | | | Provide proper bedding materials especially to new-born and lukewarm food & water Heavy mortality in cloven footed animals has been reported. Supportive treatment of infected animals under supervision of veterinary department officials, Avoid mixing of infected and healthy animals, Keep infected animals separated from the healthy ones, Vaccinate the healthy animals against FMD (Through State Veterinary Dept.) Provide feed supplements |

| | | | born chicks. |
|---|--|-----|---|
| 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. |
| | | | • Pregnant animals above 7 months of pregnancy should be avoided. |
| Contact Scientists (ICAR) or State Agril Staff or KVK staff for measures against adverse conditions or call at 03795-226237/226247 | | | |

> Agrometeorological Field Unit ICAR, BASAR

कृषि मौसम सलाहकार सेवा पत्रिका Agro-met Advisory Bulletin

(Period: 27th to 30th January 2018)

ग्रामीण कृषि मौसम सेवा



GRAMIN KRISHI MAUSAM SEWA

(Integrated Agro-Meteorological Advisory Services)



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

District: West Siang

No: AMFU-Basar/2018/08

Dated: Fri, 26th January 2018



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

| Weather summery of the previous week | Weather forecast valid up to 31 st Jan'2018 |
|--|---|
| Basar: Rainfall = 0.0 mm. T. Max: 23.0° C, | Mostly/partly cloudy with possibility of light/moderate rainfall. |
| T. Min: 7.3°C, RH: 52-97%, Wind Speed: 3- | Daily maximum and minimum temperature for the following period |
| 5 kmph, Wind Direction: NW & SW | is predicted to be 25-26°C and 11-12°C respectively. Expected |
| | morning and evening relative humidity will be 62-78% and 35-57% |
| | respectively. Wind direction is mainly W & WNW with speed range |
| | of 3-7 kmph. |
| Warning: | Rain in few isolated places |

Weather Based Agro-meteorological Advisories Bulletin

General Recommendations

- Disinfecting the animal/bird sheds with lime powder/ bleaching powder/ 4%NaOH at regular interval is advocated
- 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

| Сгор | Stage | Pest/Disease | Precautionary Practices to be followed |
|---|-------------------------|--|--|
| | | | FIELD CROPS |
| Pea | Vegetative | Powdery mildew/ leaf eating insects | Need based foliar spray of Dinocap (0.2%) or Carbendazim 50WP (0.1%) or Propiconazole (0.1%) using stickers in case of rainfall. |
| | | | On clear weather, spray of Azadirachtin 0.15% EC @ 6ml/lit against leaf eating insects or using stickers in case of rainfall |
| Mustard | Vegetative | Aphid | When population level is high spraying of Dimethoate @ 4 ml per litre of water is advised using stickers in case of rainfall |
| | | | VEGETABLES |
| Ginger/ Turmeric | Maturity | | Harvest the mature crop, Cure should be taken while harvest so that the rhizome is not damaged, |
| Potato | Vegetative | Red Ants/ Late blight/ Alternaria blight | Spray Indofil m-45 at regular interval of 7 days in potato/tomato against Alternaria blight using stickers in case of rainfall Red Ants: - Drenching with Chlorpyriphos @ 2 ml per litre of water, Foliar spray of Dithane M-45@2.5g/litre of water for management of potato late blight using stickers in case of |
| Cabbage/ Cauliflower/ Knolkhol/ Others | Maturity | Leaf eating caterpillars/ Aphids | rainfall. Suspend all spray operations and application of fertilizers |
| | | HORT | ICULTURAL CROPS |
| Pineapple | Harvesting | | • After winter harvest, collection/Selection of suckers & slip to be done for next season planting |
| Temperate fruits | After harvesting | | • Training & pruning of the temperate crops (apple/pears/peach) is recommended |
| Citrus | Maturity/ harvesting | Bark eating caterpillar, Trunk borer, Blue & Green mould | In case of flowering, stop spraying insecticides/pesticides Orange (only if harvesting is over): Go for drenching with Dichlorovos 76 EC@0.05% against trunk-borer. Against Blue & Green mould, spray Imazalil 34 WP @ 1g/lit using stickers in case of rainfall. Prune away the diseased portion of the plant. 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 Mulching with straw/crop residue at root zone to avoid frost injury in banana. |
| Large Cardamom | Fruiting | Chirkey Disease | Remove dry/diseased/old tillers & branches & spray Bio NPK@ 2ml/lit water for proper growth using stickers in case of rainfall. |
| | | | Honey Bees |
| Honey bees | | | Cover the boxes with locally available dry grass or straw to provide warmt |
| | | | LIVESTOCKS |
| Livestock | Stage | Disease | Precautionary Practices to be followed |
| 0 0 | ain (not fungus co | | General e diverted for Poultry/livestock feeding the clock and water troughs/feeders should be regularly cleaned, Day old chick-Maintain warmth by lighting, In present weather conditions protect the birds from cold by using gunny bags/plastic sheets around the poultryshed during night, |
| | | | 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.) Swine Fever | Avoid dampness and cover weak and sick animals with sack cloth. Animals should be given lukewarm feed and water. Right time to deworm with anti helmetic drugs (particularly Tapeworms) viz. Fento Plus @ 1 tablet per 30 kg body weight. Provide proper bedding materials especially to new-born piglets and lukewarm food & water | |
|---------------|---|--|--|--|
| Cattle | All stages | FMD | Animals should be given lukewarm feed and water. Right time to deworm with anti helmetic drugs (particularly Tapeworms) viz. Fento Plus @ 1 tablet per 30 kg body weight. Provide proper bedding materials especially to new-born and lukewarm food & water Provide feed supplements | |
| 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. Pregnant animals above 7 months of pregnancy should be avoided. | |
| Contact Scier | Contact Scientists (ICAR) or State Agril Staff or KVK staff for measures against adverse conditions or call at 03795-226237/226247 | | | |