Agro-met Advisory Bulletin

(Period: 2nd to 4th May, 2018)

ग्रामीण कृषि मौसम सेवा





(Integrated Agro-Meteorological Advisory Services)



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

District: Anjaw

No: AMFU-Basar/2018/35

Dated: Tue, 1st May, 2018



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

| Weather summery of the previous week | Weather forecast valid up to 6 th May 2018 |
|--------------------------------------|---|
| No weather summary available | Partly/mostly cloudy with possibility of moderate rainfall. Daily maximum and minimum temperature for the following period is predicted to be 24°C and 14°C respectively. Expected morning and evening relative humidity will be 92-98% and 53-64% respectively. Wind direction is mainly SE & NE with average wind speed range of 3-4 kmph. |
| Warning: | • Nil |

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 |
|---|-----------------------------|-----------------------------|--|
| FIELD CROPS | Name | C.41 | |
| Rice | Nursery/trans plantation | Stem borer | Rice: Weed free & clean nursery periphery to prevent disease/pest harboring. |
| | | | • Wet seed treatment for 12hrs. in Carbendazim 50% WP (1g/litre of water) & Chlorpyriphos 20% EC (2ml in 10 litres of water) solution before sowing. |
| | | | • Rice: Spray Triazophos 40EC @ 4 ml/lit against stem borer in |
| | | | rice nursery as well as in main field. |
| | | | • Cut the tips of the leaves before transplanting reduces the population of stem borer as the eggs are laid on that site. It will reduce the carryover of the infestation to the main field. |
| Jhum field | Sowing | | • Adopt sowing of leguminous crops like cowpea, frenchbean, soybean etc at 2-3 rows across the slope of jhum field at desirable intervals or ratios with rice to prevent soil erosion and conserve moisture and fertility. |
| | | | • Carry out seed dressing/treatment with Thiram or |
| | | | Carbendazim @ 2g/kg seed before sowing. |
| | | | • Cowpea variety (Kashi Kanchan) and Frenchbean variety (Selection-9) are advocated for intercropping as they are short duration, dwarf and high yielding. |
| Pea | Seed | Powdery | Provide adequate drainage and avoid water stagnation |
| | development | mildew/ leaf eating insects | near the base of the plants. ♦ Need based foliar spray of Dinocap (0.2%) or Carbendazim 50WP (0.1%) or Propiconazole (0.1%) using sticker if the |
| | | | infestation is high. |
| Toria/ Mustard | Maturity | Aphids | Provide adequate drainage If the infectation is high. Spray Dimethests 20EC @2ml/litra |
| | | | If the infestation is high, Spray Dimethoate 30EC @2ml/litre against aphids in Rapeseed/Mustard using sticker or during clear/dry days. |
| VEGETABLE | S | | |
| Ginger/ Turmeric | Sowing/ germination | | Mulching ginger beds with locally available leaves/materials is advocated to enhance germination, prevent washing off during heavy rainfall, add organic |
| Summer | Sowing | | matter to the soil & conserve moisture during dry seasons. Right time for transplantation of healthy seedlings to |
| vegetables | bowing | | A result of the applantation of nearthy securings to main field from nursery Sowing advocated during clear/dry days |
| | | | Provide adequate drainage to already sown crops |
| Potato | Vegetative stage/ | | Harvesting only during clear/dry days Stems along dry homosofic a seal and multipleted |
| | Harvesting stage | | Store already harvested crops in a cool, well ventilated place/ do not wash before storing as dampness promotes |
| | | | early spoilage. |
| Cabbage/ | Harvesting | | Harvest mature crop. Constantly manifer against attack of insects negts/male |
| Cauliflower | URAL CROPS | | Constantly monitor against attack of insects pests/mole. |
| Citrus | Flowering | Bark eating | Cleaning & smearing of trunk base with Bordeaux paste. |
| | 110 1101111 | caterpillar | Budding method of propagation (T-budding) to commences in oranges using Rangpur lime as rootstock. |
| | | | • If flowering begins, avoid spray of insecticides/ pesticides as it |
| | | | may affect pollination process. Spray (Planofix) NAA based growth regulator @2m/5lit |
| | | | water during flowering stage in orange plant to reduce fruit/flower drop |
| | | | • For bark eating caterpillar, remove wooden frass and inject Dichlorovos (0.1%) @ 5ml with disposable syringe. |
| | | | • Dead wood on the citrus trees should be kept pruned, about 2cm, below the dead portion. |
| Orchards (Orange, Banana, Apple, Peach etc) | | | Prepare half moon terraces in fruit crops grown in steep slopes to prevent nutrient loss during heavy downpour. |
| Banana | Bunching | Cold | Cover newly emerged bunches with locally available sack to protect from cold/frost |

| Large cardamom | Sowing | | Sowing in primary nursery bed at 2cm depth & 10cm apart with mulching & regular irrigation. Applications of well decomposed cattle manure/compost @5kg/plant during clear/dry days. |
|-------------------|------------|--|--|
| LIVESTOCKS | 5 | | |
| Livestock | Stage | Disease | Precautionary Practices to be followed |
| Pigs | All stages | FMD (high fever and appearance of mucous membrane of the mouth and foot.) Swine Fever | Food waste or garbage fed to swine must be cooked and sterilized properly. Cooking the different raw materials together is advocated to improve digestibility and to break- down toxins from some feeds. Avoid dampness and cover weak and sick animals with sack cloth. The bedding is always dry and that there is plenty. 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. |
| Poultry | All stages | | Provide shelter to the backyard/scavenging poultry. Feed grains in the morning/evening to supplement scavenging. Day old chick-Maintain warmth by lighting, |
| Fishery | | | To avoid water turbidity, use grass turfing or horticultura crop at embankment/dyke of the earthen fish pond. |
| 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 o pregnancy should be avoided from vaccination. |

Agro-met Advisory Bulletin

(Period: 2nd to 4th May, 2018)



ग्रामीण कृषि मौसम सेवा

GRAMIN KRISHI MAUSAM SEWA



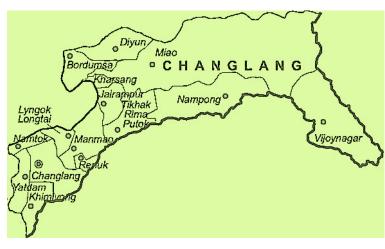


AMFU, ICAR Research Complex for NEH Region Arunachal Pradesh Centre, Basar-791101

District: Changlang

<u>No: AMFU-Basar/2018/35</u>

Dated: Tue, 1st May, 2018



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

| Weather summery of the previous week | Weather forecast valid up to 6 th May 2018 |
|--|--|
| Rainfall = Changlang: 0.0 mm Miao: 19.4 mm (up to 17 th April) | Partly/mostly cloudy with possibility of moderate rain. Daily maximum and minimum temperature for the following period is predicted to be 31°C and 21°C respectively. Expected morning and evening relative humidity will be 70-90% and 28-37% respectively. Wind direction is mainly ESE with speed range of 3-4 kmph. |
| Warning | • Nil |

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

| Сгор | Stage | Pest/Disease | | Precautionary Practices to be followed |
|------------------|----------------------------------|---|-------------|--|
| FIELD CROP | S Nursery/trans plantation | Stem borer | • | Rice: Weed free & clean nursery periphery to prevent disease/pest harboring. Wet seed treatment for 12hrs. in Carbendazim 50% WP (1g/litre of water) & Chlorpyriphos 20% EC (2ml in 10 litres of water) solution before sowing. Rice: Spray Triazophos 40EC @ 4 ml/lit against stem borer in rice nursery as well as in main field. Cut the tips of the leaves before transplanting reduces the population of stem borer as the eggs are laid on that site. It |
| Maize | Vegetative | Soybean looper | * * * | will reduce the carryover of the infestation to the main field. Spraying of Quinalphos 25 EC 2ml/litre of water is advised, Monitor the crop against attack of insect pests, Make proper drainage in the crop field, |
| Jhum field | Sowing | | • | Adopt sowing of leguminous crops like cowpea, frenchbean, soybean etc at 2-3 rows across the slope of jhum field at desirable intervals or ratios with rice to prevent soil erosion and conserve moisture and fertility. Carry out seed dressing/treatment with Thiram or Carbendazim @ 2g/kg seed before sowing. Cowpea variety (Kashi Kanchan) and Frenchbean variety (Selection-9) are advocated for intercropping as they are short duration, dwarf and high yielding. |
| Pea | Seed development/ maturity | Powdery mildew/ leaf eating insects | * * | Harvest mature crops Need based foliar spray of Dinocap (0.2%) or Carbendazim 50WP (0.1%) or Propiconazole (0.1%) using sticker if the infestation is high. |
| VEGETABLE | - | | | |
| Ginger/ Turmeric | germination | | * | Mulching ginger beds with locally available leaves/materials is advocated to enhance germination, prevent washing off during heavy rainfall, add organic matter to the soil & conserve moisture during dry seasons. |
| Cucurbits | Transplanting /vegetative | | * * | Right time for transplanting in a raised bed In bottle gourd, cucumber, ridge gourd etc, earthing up to be done followed by manuring; and stacking should be followed and trained on a bower system made of bamboor + sticks. |
| French Bean | Sowing | | * | |
| Okra | Sowing | | | Procure quality seed from certified agency. Avoid sowing during rainy days |
| Potato | Maturity/ Harvesting | | | Harvesting can be done on clear/dry days If already harvested, store in a cool, well ventilated place/ do not wash before storing as dampness promotes early spoilage. |
| HORTICULT | URAL CROPS | | | |
| Citrus | Flowering | Bark eating caterpillar | • | Cleaning & smearing of trunk base with Bordeaux paste. Budding method of propagation (T-budding) to commences in oranges using Rangpur lime as rootstock. Cleaning & smearing of trunk base with Bordeaux paste If flowering begins, avoid spray of insecticides/ pesticides as it may affect pollination process. Spray (Planofix) NAA based growth regulator @2m/5lit water during flowering stage in orange plant to reduce fruit/flower drop For bark eating caterpillar, remove wooden frass and inject Dichlorovos (0.1%) @ 5ml with disposable syringe. Dead wood on the citrus trees should be kept pruned, |

| | | | | about 2cm, below the dead portion. |
|--|-----------------|---|-----------------------|---|
| Large cardamom | Sowing | | * * | Sowing in primary nursery bed at 2cm depth & 10cm apart with mulching & regular irrigation. Applications of well decomposed cattle manure/compost @5kg/plant during clear/dry days. |
| 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 | 5 | | | |
| Honey bees | | | | Box must be covered with straw/dry leaves to provide warmth Provide sugar syrup |
| LIVESTOCKS | 5 | | | |
| Livestock | Stage | Disease | | Precautionary Practices to be followed |
| Damage | | | | |
| Clean d cleaned, | | | | the clock and water troughs/feeders should be regular |
| Clean d | rinking water s | Should be ensured FMD (high fever and appearance of mucous membrane of the mouth and foot.) Swine Fever | * | Food waste or garbage fed to swine must be cooked and sterilized properly. Cooking the different raw materials together is advocated to improve digestibility and to break- down toxins from some feeds. Avoid dampness and cover weak and sick animals with sack cloth. The bedding is always dry and that there is plenty. Animals should be given lukewarm feed and water. Right time to deworm with anti helmetic drugs (particularly |
| Clean d cleaned, | | FMD (high fever and appearance of mucous membrane of the mouth and foot.) | * * * * | Food waste or garbage fed to swine must be cooked and sterilized properly. Cooking the different raw materials together is advocated to improve digestibility and to break- down toxins from some feeds. Avoid dampness and cover weak and sick animals with sack cloth. The bedding is always dry and that there is plenty. 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 |
| ♦ Clean d cleaned, Pigs | | FMD (high fever and appearance of mucous membrane of the mouth and foot.) | * * * * | Food waste or garbage fed to swine must be cooked and sterilized properly. Cooking the different raw materials together is advocated to improve digestibility and to break- down toxins from some feeds. Avoid dampness and cover weak and sick animals with sack cloth. The bedding is always dry and that there is plenty. 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 To avoid water turbidity, use grass turfing or horticultura |
| Clean d cleaned, Pigs Fishery | All stages | FMD (high fever and appearance of mucous membrane of the mouth and foot.) | * * * * * | Food waste or garbage fed to swine must be cooked and sterilized properly. Cooking the different raw materials together is advocated to improve digestibility and to break- down toxins from some feeds. Avoid dampness and cover weak and sick animals with sack cloth. The bedding is always dry and that there is plenty. 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 To avoid water turbidity, use grass turfing or horticultura crop at embankment/dyke of the earthen fish pond. Provide shelter to the backyard/scavenging poultry. Feed grains in the morning/evening to supplement |



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(Period: 2nd to 4th May, 2018)

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GRAMIN KRISHI MAUSAM SEWA

(Integrated Agro-Meteorological Advisory Services)



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

District: Dibang Valley

<u>No: AMFU-Basar/2018/35</u>

Dated: Tue, 1st May, 2018



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

| Weather summery of the previous week | Weather forecast valid up to 6 th May 2018 |
|--|---|
| Rainfall = 1.0 mm (Anini) (up to 17 th April) | Mostly cloudy with possibility of moderate rainfall. Daily maximum and minimum temperature for the following period is predicted to be 22°C and 12-13°C respectively. Expected morning and evening relative humidity will be 90-98% and 55-68% respectively. Wind direction is mainly SE & SSE with speed range of 4-6 kmph. |
| Warning: | • Nil |

Weather Based Agro-meteorological Advisories Bulletin

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

| Сгор | Stage | Pest/Disease | Precautionary Practices to be followed |
|------------------|-----------------------------|---|--|
| FIELD CROPS | | | |
| Pea | Seed development | Powdery mildew/ leaf eating insects | Provide adequate drainage and avoid water stagnation near the base of the plants. Need based foliar spray of Dinocap (0.2%) or Carbendazim 50WP (0.1%) or Propiconazole (0.1%) using sticker if the infestation is high. |
| Rice | Nursery/trans plantation | Stem borer | Rice: Weed free & clean nursery periphery to prevent disease/pest harboring. Wet seed treatment for 12hrs. in Carbendazim 50% WP (1g/litre of water) & Chlorpyriphos 20% EC (2ml in 10 litres of water) solution before sowing. Rice: Spray Triazophos 40EC @ 4 ml/lit against stem borer in rice nursery as well as in main field. Cut the tips of the leaves before transplanting reduces the population of stem borer as the eggs are laid on that site. It will reduce the carryover of the infestation to the main field. |
| Jhum field | Sowing | | Adopt sowing of leguminous crops like cowpea, frenchbean, soybean etc at 2-3 rows across the slope of jhum field at desirable intervals or ratios with rice to prevent soil erosion and conserve moisture and fertility. Carry out seed dressing/treatment with Thiram or Carbendazim @ 2g/kg seed before sowing. Cowpea variety (Kashi Kanchan) and Frenchbean variety (Selection-9) are advocated for intercropping as they are short duration, dwarf and high yielding. |
| Toria/ Mustard | Maturity | Aphids | Provide adequate drainage If the infestation is high, Spray Dimethoate 30EC @2ml/litre against aphids in Rapeseed/Mustard using sticker or during clear/dry days. |
| VEGETABLE | S | | |
| Ginger/ Turmeric | 1 | | Mulching ginger beds with locally available leaves/materials is advocated to enhance germination, prevent washing off during heavy rainfall, add organic matter to the soil & conserve moisture during dry seasons. Prepare nursery in shaded area |
| | | | Procure quality seed from certified agency. Treat the seeds with Imidacloprid 17SL @1ml/litre/ kilogram seed before sowing. |
| Potato | Maturity/ Harvesting | | Harvesting recommended during clear/dry days Store already harvested potatoes in a cool, well ventilated place/ do not wash before storing as dampness promotes early spoilage. |
| HORTICULT | | | |
| Citrus | Flowering | Bark eating caterpillar | Cleaning & smearing of trunk base with Bordeaux paste. Budding method of propagation (T-budding) to commences in oranges using Rangpur lime as rootstock. Cleaning & smearing of trunk base with Bordeaux paste If flowering begins, avoid spray of insecticides/ pesticides as it may affect pollination process. Spray (Planofix) NAA based growth regulator @2m/5lit water during flowering stage in orange plant to reduce fruit/flower drop For bark eating caterpillar, remove wooden frass and inject Dichlorovos (0.1%) @ 5ml with disposable syringe. Dead wood on the citrus trees should be kept pruned, about 2cm, below the dead portion. |
| Large cardamom | Sowing | | Sowing in primary nursery bed at 2cm depth & 10cm apart with mulching & regular irrigation. |
| Kiwi | Flowering | | Kiwi fruit vine should be covered with 50% shade net to protect flowers from heavy rain and hail storm. |

| | | 1 | |
|----------------|-------------------|--|--|
| Apple | Flowering | | For woody aphid-Wipe the stem with cloth soaked in mineral oil. In bearing trees give a spray of Bordeaux mixture (copper sulphate (2Kg)+quick lime (2kg) in 200litres of water) against canker and other diseases. |
| Honey Bees | | | |
| Honey bees | | | Cover the boxes with locally available dry grass or straw to provide warmth Provide sugar syrup in a bowl in front of the box in case of heavy rainfall |
| LIVESTOCKS | 5 | | |
| Livestock | Stage | Disease | Precautionary Practices to be followed |
| | 0 | | ✤ General |
| | rinking water s | | o be diverted for Poultry/livestock feeding round the clock and water troughs/feeders should be regularly |
| Pigs | All stages | FMD (high fever and appearance of mucous membrane of the mouth and foot.) Swine Fever | Food waste or garbage fed to swine must be cooked and sterilized properly. Cooking the different raw materials together is advocated to improve digestibility and to break- down toxins from some feeds. Avoid dampness and cover weak and sick animals with sack cloth. The bedding is always dry and that there is plenty. 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. |
| Fishery | | | To avoid water turbidity, use grass turfing or horticultural crop at embankment/dyke of the earthen fish pond. |
| Poultry | All stages | | Provide shelter to the backyard/scavenging poultry. Feed grains in the morning/evening to supplement scavenging. Inclusion of turmeric powder @ 10g/kg feed for prevention of cocciodiosis. |
| Cattle | All stages | FMD | Right time to deworm with anti helmetic drugs (particularly Tapeworms) viz. Fento Plus @ 1 tablet per 30 kg body weight. 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 |
| 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 Scient | ists (ICAR) or St | ate Agril Staff or K | VK staff for measures against adverse conditions or call at 03795- 226237/226247 |
| | | | 2202311220241 |

Agro-met Advisory Bulletin

(Period: 2nd to 4th May, 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/2018/35

Dated: Tue, 1st May, 2018



| Weather summery of the previous week | Weather forecast valid up to 6 th May 2018 |
|--|--|
| Rainfall = 5.3 mm (up to 17 th April) | Partly/Mostly cloudy with possibility moderate rain. Daily maximum and minimum temperature for the following period is predicted to be 28°C and 17-18°C respectively. Expected morning and evening relative humidity will be 77-93% and 40-57% respectively. Expected wind direction is mainly SE with speed range of 4-5 kmph. |
| Warning: | • |

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 | | | |
| Rice Jhum field | Nursery/trans plantation | Stem borer | Rice: Weed free & clean nursery periphery to prevent disease/pest harboring. Wet seed treatment for 12hrs. in Carbendazim 50% WP (1g/litre of water) & Chlorpyriphos 20% EC (2ml in 10 litres of water) solution before sowing. Rice: Spray Triazophos 40EC @ 4 ml/lit against stem borer in rice nursery as well as in main field. Cut the tips of the leaves before transplanting reduces the population of stem borer as the eggs are laid on that site. It will reduce the carryover of the infestation to the main field. |
| Jnum field | Sowing | | Adopt sowing of leguminous crops like cowpea, frenchbean, soybean etc at 2-3 rows across the slope of jhum field at desirable intervals or ratios with rice to prevent soil erosion and conserve moisture and fertility. Carry out seed dressing/treatment with Thiram or Carbendazim @ 2g/kg seed before sowing. Cowpea variety (Kashi Kanchan) and Frenchbean variety (Selection-9) are advocated for intercropping as they are short duration, dwarf and high yielding. |
| Maize | Sowing | | Treat the seeds before sowing with Captan 50% WP @2g/kg seed, Make proper drainage in the crop field |
| Pea | Pod mature | Birds | Avoid water stagnation near base of the plants Harvest of green pods, Use of scare crow and tying of bird scare tape around the crop field, |
| | | | VEGETABLES |
| Ginger/ Turmeric | Sowing/ germination Nursery/Sowing | | Mulching ginger beds with locally available leaves/materials is advocated to enhance germination, prevent washing off during heavy rainfall, add organic matter to the soil & conserve moisture during dry seasons. Prepare nursery in shaded area |
| cucurons | Truisery/Sowing | | Procure quality seed from certified agency. Treat the seeds with Imidacloprid 17SL @1ml/litre/ kilogram seed before sowing. |
| Potato | Maturity/ harvesting | | Harvest only during clear/dry days |
| HORTICULT | URAL CROPS | | |
| Citrus | Flowering | Bark eating caterpillar | Cleaning & smearing of trunk base with Bordeaux paste during clear/dry days. Budding method of propagation (T-budding) to commences in oranges using Rangpur lime as rootstock. Cleaning & smearing of trunk base with Bordeaux paste If flowering begins, avoid spray of insecticides/ pesticides as it may affect pollination process. Spray (Planofix) NAA based growth regulator @2m/5lit water during flowering stage in orange plant to reduce fruit/flower drop For bark eating caterpillar, remove wooden frass and inject Dichlorovos (0.1%) @ 5ml with disposable syringe. Dead wood on the citrus trees should be kept pruned, about 2cm, below the dead portion. |
| 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 | flowering stage | | Provide proper drainage to avoid water stagnation in the base of the plants. |
| LIVESTOCKS | 5 | | |
| Livestock | Stage | Disease | Precautionary Practices to be followed |

| | | | | General |
|-------------------|-----------------|--|---|---|
| 0 | 0 . | | | verted for Poultry/livestock feeding |
| | rinking water s | should be ensured | round | the clock and water troughs/feeders should be regu |
| cleaned, | . 11 | | | |
| Pigs | All stages | FMD (high fever and appearance of mucous membrane of the mouth and foot.) Swine Fever | * | Food waste or garbage fed to swine must be cooked and sterilized properly. Cooking the different raw materials together is advocated to improve digestibility and to break- down toxins from some feeds. Avoid dampness and cover weak and sick animals with sac cloth. The bedding is always dry and that there is plenty. |
| | | | * | 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 wei |
| Pigs | All stages | | * | Avoid dampness and cover weak and sick animals with sack cloth. |
| | | | * | Right time to deworm with anti helmetic drugs (particular) |
| | | | | Tapeworms) viz. Fento Plus @ 1 tablet per 30 kg body wei |
| Goat | All stages | | * | Deworming for gastrointestinal parasite |
| Fishery | | | * | To avoid water turbidity, use grass turfing or horticult |
| • | | | | crop at embankment/dyke of the earthen fish pond. |
| Cattle All stages | FMD | * | Right time to deworm with anti helmetic drugs (particularly Tapeworms) viz. Fento Plus @ 1 tablet per kg body weight. | |
| | | | *** | Provide proper bedding materials especially to new-born lukewarm food & water |
| | | | .*. | |
| | | | | Provide feed supplements ff for measures against adverse conditions or call at 037 |

Agro-met Advisory Bulletin

(Period: 2nd to 4th May, 2018)



ग्रामीण कृषि मौसम सेवा



GRAMIN KRISHI MAUSAM SEWA

(Integrated Agro-Meteorological Advisory Services)



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

District: East Siang

No: AMFU-Basar/2018/35

Dated: Tue, 1st May, 2018



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

| Weather summery of the previous week | Weather forecast valid up to 6 th May 2018 |
|---|---|
| Rainfall: 104.8 mm; T. Max: 32.0°C; T. Min: | Partly/Mostly cloudy with possibility of light/moderate rainfall. |
| 18.0°C ; RH: 54-100% (up to 17 th April) | Daily maximum and minimum temperature for the following period |
| | is predicted to be 31°C and 21°C respectively. Expected morning |
| | and evening relative humidity will be 70-93% and 31-55% |
| | respectively. Expected wind direction is NNW & S variable with |
| | speed range of 2-6 kmph. |
| Warning: | • Nil |

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 Maize | Vegetative | Soybean looper | Spraying of Quinalphos 25 EC 2ml/litre of water is advised, Monitor the crop against attack of insect pests, Make proper drainage in the crop field, |
| Rice | Nursery/trans plantation | Stem borer | Rice: Weed free & clean nursery periphery to prevent disease/pest harboring. Wet seed treatment for 12hrs. in Carbendazim 50% WP (1g/litre of water) & Chlorpyriphos 20% EC (2ml in 10 litres of water) solution before sowing. Rice: Spray Triazophos 40EC @ 4 ml/lit against stem borer in rice nursery as well as in main field. Cut the tips of the leaves before transplanting reduces the population of stem borer as the eggs are laid on that site. It will reduce the carryover of the infestation to the main field. |
| Jhum field | Sowing | | Adopt sowing of leguminous crops like cowpea, frenchbean, soybean etc at 2-3 rows across the slope of jhum field at desirable intervals or ratios with rice to prevent soil erosion and conserve moisture and fertility. Carry out seed dressing/treatment with Thiram or Carbendazim @ 2g/kg seed before sowing. Cowpea variety (Kashi Kanchan) and Frenchbean variety (Selection-9) are advocated for intercropping as they are short duration, dwarf and high yielding. |
| Pea | Pod mature | Birds | Harvest of green pods, Use of scare crow and tying of bird scare tape around the crop field, |
| Toria/ Mustard | Maturity/ Harvesting | Aphid | Harvesting of mature crop, If only infestation is high, Spraying of dimethoate @ 2 ml per litre of water is advised using proper sticker, |
| VEGETABLE | S | | |
| Cucurbits | Transplanting /vegetative | | Right time for transplanting in a raised bed In bottle gourd, cucumber, ridge gourd etc, earthing up to be done followed by manuring; and stacking should be followed and trained on a bower system made of bamboor + sticks. |
| Ginger/ Turmeric | Sowing/ germination | | Mulching ginger beds with locally available leaves/materials is advocated to enhance germination, prevent washing off during heavy rainfall, add organic matter to the soil & conserve moisture during dry seasons. |
| Pre-summer vegetables | Sowing | Nursery insects | Right time for transplanting the ready seedlings of chili, tomato, capsicum etc. Provide proper drainage to newly transplanted seedlings and follow raised bed for sowing Spray Azadirachtin 1% (10000 PPM) @ 1000-1500 ml in 500 litres water/ha against nursery insects |
| HORTICULT | URAL CROPS | | |
| Citrus | Flowering | Bark eating caterpillar/ Blackfly/ Mites | About 50% eggs laid by the citrus blackfly hatch during 2nd half of April month. The nymphs and adults both suck cell sap from young leaves and twigs. Spray Monocrotophos 10 ml or Quinalphos 15 ml per liter os water with second spray after 15 days on clear/dry days or using stickers. Against mites, spray Dicofol 1.8EC @ 15ml/liter of water during clear/dry weather. Cleaning & smearing of trunk base with Bordeaux paste during clear/dry days. Budding method of propagation (T-budding) to commences in oranges using Rangpur lime as rootstock. Cleaning & smearing of trunk base with Bordeaux paste lif flowering begins, avoid spray of insecticides/ pesticides as it |

| | 1 | | | |
|----------------|-------------------|--------------------|----------|--|
| | | | | may affect pollination process. |
| | | | • | Spray (Planofix) NAA based growth regulator @2m/5lit |
| | | | | water during flowering stage in orange plant to reduce |
| | | | | fruit/flower drop |
| | | | • | For bark eating caterpillar, remove wooden frass and |
| | | | | inject Dichlorovos (0.1%) @ 5ml with disposable syringe. |
| Large cardamom | Sowing | | * | Sowing in primary nursery bed at 2cm depth & 10cm apart |
| | | | | with mulching & regular irrigation. |
| | | | * | Applications of well decomposed cattle manure/compost |
| | | | | @5kg/plant during clear/dry days. |
| Honey Bees | | - | | |
| Honey bees | | | * | Cover the boxes with locally available dry grass or straw to |
| | | | | provide warmth |
| LIVESTOCKS | 5 | | | |
| Livestock | Stage | Disease | | Precautionary Practices to be followed |
| | | L L | * | General |
| Damage | d grain (not fung | us contaminated) (| to be di | verted for Poultry/livestock feeding |
| 0 | 0 0 | | | the clock and water troughs/feeders should be regularly |
| cleaned, | 0 | | | 0 0 · |
| Fishery | | | * | To avoid water turbidity, use grass turfing or horticultural |
| | | | | crop at embankment/dyke of the earthen fish pond. |
| Pigs | All stages | FMD (high fever | * | Food waste or garbage fed to swine must be cooked and |
| C | e | and appearance | | sterilized properly. Cooking the different raw materials |
| | | of mucous | | together is advocated to improve digestibility and to |
| | | membrane of the | | break- down toxins from some feeds. |
| | | mouth and foot.) | • | |
| | | Swine Fever | * | Avoid dampness and cover weak and sick animals with sack |
| | | | | cloth. |
| | | | * | The bedding is always dry and that there is plenty. |
| | | | * | 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. |
| Poultry | All stages | | * | Provide shelter to the backyard/scavenging poultry. Feed |
| | - | | | grains in the morning/evening to supplement scavenging. |
| | | | * | Day old chick-Maintain warmth by lighting, |
| | | | * | Inclusion of turmeric powder @ 10g/kg feed for |
| | | | | prevention of cocciodiosis. |
| Goat | All stages | | * | Deworming for gastrointestinal parasite |
| Cattle | All stages | FMD | * | Right time to deworm with anti helmetic drugs |
| | 6 | | | (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 |
| Contact Scien | tists (ICAR) or | State Agril Staff | | K staff for measures against adverse conditions or call |
| | | | | 26237/226247 |

कृषि मौसम सलाहकार सेवा पत्रिका
Agro-met Advisory Bulletin
Deriod: २० to 4th May, 2018
यामीण कृषि मौसम सेवाअमीण कृषि मौसम सेवाUnderstand
Compared Agro-Meteorological Advisory ServicesMFU, ICAR Research Complex for NEH Region

Arunachal Pradesh Centre, Basar-791101

District: Kurung Kumey

No: AMFU-Basar/2018/35

Dated: Tue, 1st May, 2018



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

| Weather summery of the previous week | Weather forecast valid up to 6 th May 2018 |
|--------------------------------------|---|
| Past weather summary not available | Partly/mostly cloudy with possibility of moderate rain. Daily |
| | maximum and minimum temperature for the following period is |
| | predicted to be 22°C and 13°C respectively. Expected morning and |
| | evening relative humidity will be 88-92% and 71-77% respectively. |
| | Wind direction is mainly SSE & ESE with wind speed range of 2-6 |
| | kmph. |
| Warning | • Nil |

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

| Сгор | Stage | Pest/Disease | Precautionary Practices to be followed |
|-------------------------------|--|---|--|
| FIELD CROPS | | | |
| Rice | Nursery/trans plantation | Stem borer | Rice: Weed free & clean nursery periphery to prevent disease/pest harboring. Wet seed treatment for 12hrs. in Carbendazim 50% WP (1g/litre of water) & Chlorpyriphos 20% EC (2ml in 10 litres of water) solution before sowing. Rice: Spray Triazophos 40EC @ 4 ml/lit against stem borer in rice nursery as well as in main field. Cut the tips of the leaves before transplanting reduces the population of stem borer as the eggs are laid on that site. It will reduce the carryover of the infestation to the main field. |
| Jhum Rice | Land Preparation | | Arrangement of quality seeds, Make structures to avoid runoff in the slope, ICAR Basar recommends procuring quality seeds of Bhalum1,2,3 & 4 in Jhum apart from the local varieties. Sowing to be done on clear/dry days Intercropping of leguminous crops (cowpea /frenchbean /soybean) at 2-3 rows across the slope in jhum field at desirable interval with rice advocated. |
| Pea | Seed development | Powdery mildew/ leaf eating insects | Provide adequate drainage and avoid water stagnation near the base of the plants. Need based foliar spray of Dinocap (0.2%) or Carbendazim 50WP (0.1%) or Propiconazole (0.1%) using sticker if the infestation is high. |
| Toria/ Mustard | Maturity | Aphids | Provide adequate drainage If the infestation is high, Spray Dimethoate 30EC @2ml/litre against aphids in Rapeseed/Mustard using sticker or during clear/dry days. |
| VEGETABLE | - | | |
| Cucurbits Ginger/ Turmeric | Nursery/Sowing Sowing/ germination | | Transplant healthy seedling to main field Mulching ginger beds with locally available leaves/materials is advocated to enhance germination, prevent washing off during heavy rainfall, add organic matter to the soil & conserve moisture during dry seasons. |
| Summer vegetables | Sowing | | Sowing advocated during clear/dry days |
| Cabbage/ Cauliflower | Harvesting | | Harvest mature crop. Constantly monitor against attack of insects pests/mole. |
| HORTICULT | | | |
| Large cardamom | Sowing | | Sowing in primary nursery bed at 2cm depth & 10cm apart with mulching & regular irrigation. |
| Citrus | Flowering | Bark eating caterpillar | Cleaning & smearing of trunk base with Bordeaux paste during clear/dry days. Budding method of propagation (T-budding) to commences in oranges using Rangpur lime as rootstock. Cleaning & smearing of trunk base with Bordeaux paste If flowering begins, avoid spray of insecticides/ pesticides as it may affect pollination process. Spray (Planofix) NAA based growth regulator @2m/5lit water during flowering stage in orange plant to reduce fruit/flower drop For bark eating caterpillar, remove wooden frass and inject Dichlorovos (0.1%) @ 5ml with disposable syringe. Dead wood on the citrus trees should be kept pruned, about 2cm, below the dead portion. |
| Apple | Flowering | | For woody aphid-Wipe the stem with cloth soaked in mineral oil. In bearing trees give a spray of Bordeaux mixture (copper sulphate (2Kg)+quick lime (2kg) in 200litres of water) against canker and other diseases. |

| Temperate fruits | After harvesting | | | Training & pruning of the temperate crops (apple/pears/peach) is recommended In case of flowering, stop spraying insecticides/pesticides |
|--|------------------|---------------------------------|-------|--|
| Pineapple | Harvesting | | | After winter harvest, collection/Selection of suckers & slip to be done for next season planting |
| Kiwi | Flowering | | * | Kiwi fruit vine should be covered with 50% shade net to protect flowers from heavy rain and hail storm. |
| 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 | | | | |
| General | | | | |
| 0 | 0 0 | | | verted for Poultry/livestock feeding |
| Clean d cleaned, | rinking water sr | ioula de ensurea | round | the clock and water troughs/feeders should be regularly |
| Livestock | Stage | Disease | | Precautionary Practices to be followed |
| Pigs | All stages | FMD (high fever | * | Food waste or garbage fed to swine must be cooked and |
| - | - | and appearance | | sterilized properly. Cooking the different raw materials |
| | | of mucous | | together is advocated to improve digestibility and to |
| | | membrane of the | | break- down toxins from some feeds. |
| | | mouth and foot.) Swine Fever | * | Avoid dampness and cover weak and sick animals with sack |
| | | Swine revei | | cloth. |
| | | | * | The bedding is always dry and that there is plenty. |
| | | | * | 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. |
| Fishery | | | * | To avoid water turbidity, use grass turfing or horticultural |
| 2 | | | | crop at embankment/dyke of the earthen fish pond. |
| Cattle | All stages | FMD | * | 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 |
| Poultry | All stages | | | Provide shelter to the backyard/scavenging poultry. Feed |
| | 6 | | | grains in the morning/evening to supplement scavenging. |
| 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 | State Agril Staff | or KV | K staff for measures against adverse conditions or call |

at 03795-226237/226247

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

Agro-met Advisory Bulletin

(Period: 2nd to 4th May, 2018)



ग्रामीण कृषि मौसम सेवा



GRAMIN KRISHI MAUSAM SEWA

(Integrated Agro-Meteorological Advisory Services)

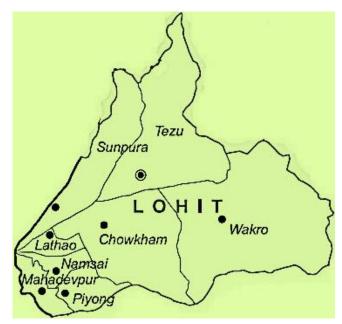


AMFU, ICAR Research Complex for NEH Region Arunachal Pradesh Centre, Basar-791101

District: Lohit

No: AMFU-Basar/2018/35

Dated: Tue, 1st May, 2018



| Weather summery of the previous week | Weather forecast valid up to 6 th May 2018 |
|--------------------------------------|---|
| Rainfall = 42.4 mm | Mostly cloudy with possibility of moderate rainfall. Daily |
| (up to 17 th April) | maximum and minimum temperature for the following period is |
| | predicted to be 28°C and 19°C respectively. Expected morning and |
| | evening relative humidity will be 85-95% and 41-54% respectively. |
| | Wind direction is mainly ENE with speed range of 3-5 kmph. |
| Warning: | • Nil |

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.

| Crop | Stage | Pest/Disease | Precautionary Practices to be followed |
|--------------------------|---------------------------------------|----------------------------|--|
| FIELD CROPS | | · | |
| Rice | Nursery/trans plantation | Stem borer | Rice: Weed free & clean nursery periphery to prevent disease/pest harboring. Wet seed treatment for 12hrs. in Carbendazim 50% WP (1g/litre of water) & Chlorpyriphos 20% EC (2ml in 10 litres of water) solution before sowing. Rice: Spray Triazophos 40EC @ 4 ml/lit against stem borer in rice nursery as well as in main field. Cut the tips of the leaves before transplanting reduces the population of stem borer as the eggs are laid on that site. It will reduce the carryover of the infestation to the main field. |
| Maize | Vegetative | Soybean looper | Spraying of Quinalphos 25 EC 2ml/litre of water is advised, Monitor the crop against attack of insect pests, Make proper drainage in the crop field, |
| <i>Jhum</i> field Pea | Sowing Seed development | Powdery mildew/ leaf | Adopt sowing of leguminous crops like cowpea, frenchbean, soybean etc at 2-3 rows across the slope of jhum field at desirable intervals or ratios with rice to prevent soil erosion and conserve moisture and fertility. Carry out seed dressing/treatment with Thiram or Carbendazim @ 2g/kg seed before sowing. Cowpea variety (Kashi Kanchan) and Frenchbean variety (Selection-9) are advocated for intercropping as they are short duration, dwarf and high yielding. Need based foliar spray of Dinocap (0.2%) or Carbendazim 50WP (0.1%) or Propiconazole (0.1%) using sticker if the |
| | development | eating insects | infestation is high. |
| VEGETABLE | 2 | _ | |
| Cucurbits | Transplanting | | Right time for transplanting in a raised bed |
| Ginger/ Turmeric | /vegetative Sowing/ germination | | In bottle gourd, cucumber, ridge gourd etc, earthing up to be done followed by manuring; and stacking should be followed and trained on a bower system made of bamboor + sticks. Mulching ginger beds with locally available leaves/materials is advocated to enhance germination, |
| | | | prevent washing off during heavy rainfall, add organic matter to the soil & conserve moisture during dry seasons. |
| Pre-summer vegetables | Sowing | Nursery insects | Transplant healthy seedlings to main field |
| French Bean | Sowing | | Sowing of quality seeds advocated |
| Okra | Sowing | | Proper drainage to already sown crops Avoid fresh sowing |
| HORTICULT | URAL CROPS | | |
| Citrus | Flowering | Bark eating caterpillar | Cleaning & smearing of trunk base with Bordeaux paste during clear/dry days. Budding method of propagation (T-budding) to commences in oranges using Rangpur lime as rootstock. Cleaning & smearing of trunk base with Bordeaux paste If flowering begins, avoid spray of insecticides/ pesticides as it may affect pollination process. Spray (Planofix) NAA based growth regulator @2m/5lit water during flowering stage in orange plant to reduce fruit/flower drop For bark eating caterpillar, remove wooden frass and inject Dichlorovos (0.1%) @ 5ml with disposable syringe. Dead wood on the citrus trees should be kept pruned, about 2cm, below the dead portion. |
| Kiwi | Pruning/Training | | Diseased and senile branches should be removed. Pruning should be done retaining 8-10 buds per branch for enhancing new flush and flowering. Pruned healthy hard wood of pencil thickness size having 4-5 buds can be used as cutting for propagation |

| Large Cardamom | Fruiting | Chirkey Disease | * | Remove dry/diseased/old tillers & branches & spray Bio NPK@ 2ml/lit water for proper growth on clear/dry days. |
|----------------------|-----------------|--|-------------|---|
| 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 |
| Honey Bees | | | | wate using stickers |
| Honey bees | | | * | Cover the boxes with locally available dry grass or straw to provide warmth |
| LIVESTOCKS | 5 | | | |
| Livestock | Stage | Disease | | Precautionary Practices to be followed |
| | | | * | General |
| Clean dr cleaned, | rinking water | should be ensured | round | verted for Poultry/livestock feeding the clock and water troughs/feeders should be regular |
| Pigs | All stages | FMD (high fever and appearance of mucous membrane of the mouth and foot.) Swine Fever | * * * | Food waste or garbage fed to swine must be cooked and sterilized properly. Cooking the different raw materials together is advocated to improve digestibility and to break- down toxins from some feeds. Avoid dampness and cover weak and sick animals with sack cloth. The bedding is always dry and that there is plenty. 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. |
| Poultry | All stages | | * * | Provide shelter to the backyard/scavenging poultry. Feed grains in the morning/evening to supplement scavenging. Day old chick-Maintain warmth by lighting, Inclusion of turmeric powder @ 10g/kg feed for prevention of cocciodiosis. |
| Goat | All stages | | * | Deworming for gastrointestinal parasite |
| Fishery | | | * | To avoid water turbidity, use grass turfing or horticultural crop at embankment/dyke of the earthen fish pond. |
| Cattle | All stages | FMD | * * | 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 |
| Contact Scien | tists (ICAR) or | | | K staff for measures against adverse conditions or call 26237/226247 |

Agro-met Advisory Bulletin

(Period: 2nd to 4th May, 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/2018/35

Dated: Tue, 1st May, 2018



| Weather summery of the previous week | Weather forecast valid up to 2 nd May 2018 |
|---|---|
| Rainfall = 98.0 mm (Roing) (up to 17^{th} | Partly/mostly cloudy with possibility of moderate rainfall. Daily |
| April) | maximum and minimum temperature for the following period is |
| | predicted to be 28°C and 17-18°C respectively. Expected morning |
| | and evening relative humidity will be 87-95% and 46-64% |
| | respectively. Wind direction is mainly SSE & ESE with speed range |
| | of 3-6 kmph. |
| Warning: | • Nil |

Weather Based Agro-meteorological Advisories Bulletin

- Disinfecting the animal/bird sheds with lime powder/ bleaching powder/ 4%NaOH at regular interval is advocated
- 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 | | | |
| Rice | Nursery/trans plantation | Stem borer | Rice: Weed free & clean nursery periphery to prevent disease/pest harboring. Wet seed treatment for 12hrs. in Carbendazim 50% WP (1g/litre of water) & Chlorpyriphos 20% EC (2ml in 10 litres of water) solution before sowing. Rice: Spray Triazophos 40EC @ 4 ml/lit against stem borer in rice nursery as well as in main field. Cut the tips of the leaves before transplanting reduces the population of stem borer as the eggs are laid on that site. It will reduce the carryover of the infestation to the main field. |
| Maize | Vegetative | Soybean looper | Spraying of Quinalphos 25 EC 2ml/litre of water is advised, Monitor the crop against attack of insect pests, Make proper drainage in the crop field, |
| Pea | Seed development | Powdery mildew/ leaf eating insects | Provide adequate drainage and avoid water stagnation near the base of the plants. Need based foliar spray of Dinocap (0.2%) or Carbendazim 50WP (0.1%) or Propiconazole (0.1%) using sticker if the infestation is high. |
| Jhum field | Sowing | | Adopt sowing of leguminous crops like cowpea, frenchbean, soybean etc at 2-3 rows across the slope of jhum field at desirable intervals or ratios with rice to prevent soil erosion and conserve moisture and fertility. Carry out seed dressing/treatment with Thiram or Carbendazim @ 2g/kg seed before sowing. Cowpea variety (Kashi Kanchan) and Frenchbean variety (Selection-9) are advocated for intercropping as they are short duration, dwarf and high yielding. |
| Toria/ Mustard | Maturity | Aphids | Provide adequate drainage If the infestation is high, Spray Dimethoate 30EC @2ml/litre against aphids in Rapeseed/Mustard using sticker or during clear/dry days. |
| VEGETABLE | | | |
| Ginger/ Turmeric | Sowing/ germination | | Mulching ginger beds with locally available leaves/materials is advocated to enhance germination, prevent washing off during heavy rainfall, add organic matter to the soil & conserve moisture during dry seasons. |
| Pre-summer vegetables | Sowing | Nursery insects | Right time for transplanting the ready seedlings of chili, tomato, capsicum etc. Provide proper drainage to newly transplanted seedlings and follow raised bed for sowing Spray Azadirachtin 1% (10000 PPM) @ 1000-1500 ml in 500 litres water/ha against nursery insects |
| Cucurbits | Nursery/Sowing | | Right time for transplanting the ready healthy seedlings |
| French Bean | Sowing | | Sowing can be done during clear/dry days |
| Okra | Sowing | | Avoid sowing Provide adequate drainage to already sown crops |
| HORTICULT | | | |
| Large cardamom | | | Sowing in primary nursery bed at 2cm depth & 10cm apart with mulching & regular irrigation. Applications of well decomposed cattle manure/compost @5kg/plant during clear/dry days. |
| Citrus | Flowering | Bark eating caterpillar/ Blackfly/ Mites | About 50% eggs laid by the citrus blackfly hatch during 2nd half of April month. The nymphs and adults both suck cell sap from young leaves and twigs. Spray Monocrotophos 10 ml or Quinalphos 15 ml per liter os water with second spray after 15 days on clear/dry days or using stickers. Against mites, spray Dicofol 1.8EC @ 15ml/liter of water |

| | | | • • • • | during clear/dry weather. Cleaning & smearing of trunk base with Bordeaux pasted during clear/dry days. Budding method of propagation (T-budding) to commences in oranges using Rangpur lime as rootstock. Cleaning & smearing of trunk base with Bordeaux paste If flowering begins, avoid spray of insecticides/ pesticides as in may affect pollination process. Spray (Planofix) NAA based growth regulator @2m/5lint water during flowering stage in orange plant to reduce fruit/flower drop For bark eating caterpillar, remove wooden frass and inject Dichlorovos (0.1%) @ 5ml with disposable syringe. |
|------------------|------------|---|---------|--|
| Honey Bees | | Т Г Г | | |
| Ioney bees | | | * | Box must be covered with straw/dry leaves to provide warmth |
| LIVESTOCKS | | 1 = - 1 | | |
| Livestock | Stage | Disease | | Precautionary Practices to be followed General |
| cleaned, Pigs | All stages | FMD (high fever and appearance of mucous membrane of the | * | Food waste or garbage fed to swine must be cooked and sterilized properly. Cooking the different raw materials together is advocated to improve digestibility and to |
| | | membrane of the mouth and foot.) Swine Fever | * | break- down toxins from some feeds. Avoid dampness and cover weak and sick animals with sack cloth. |
| | | | * | The bedding is always dry and that there is plenty. Animals should be given lukewarm feed and water. Right time to deworm with anti helmetic drugs (particularly |
| Fishery | | | * | Tapeworms) viz. Fento Plus @ 1 tablet per 30 kg body weight To avoid water turbidity, use grass turfing or horticultura crop at embankment/dyke of the earthen fish pond. |
| Poultry | All stages | | * | Provide shelter to the backyard/scavenging poultry. Feed grains in the morning/evening to supplement scavenging. Day old chick-Maintain warmth by lighting, Inclusion of turmeric powder @ 10g/kg feed for prevention of cocciodiosis. |
| Goat | All stages | | * | Deworming for gastrointestinal parasite |
| Cattle | All stages | FMD | * | Right time to deworm with anti helmetic drugs (particularly Tapeworms) viz. Fento Plus @ 1 tablet per 30 kg body weight. |

Agro-met Advisory Bulletin

(Period: 2nd to 4th May, 2018)



ग्रामीण कृषि मौसम सेवा



(Integrated Agro-Meteorological Advisory Services)



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

District: Lower Subansiri

No: AMFU-Basar/2018/35

Dated: Tue, 1st May, 2018



| Weather summery of the previous week | Weather forecast valid up to 6 th May 2018 |
|--------------------------------------|---|
| Rainfall = NA | Mostly cloudy with possibility of moderate rainfall. Daily |
| | maximum and minimum temperature for the following period is |
| | predicted to be 28°C and 19°C respectively. Expected morning and |
| | evening relative humidity will be 87-94% and 54-70% respectively. |
| | Wind direction is mainly S & SSE with speed range of 2-3 kmph. |
| Warning: | • Nil |

Weather Based Agro-meteorological Advisories Bulletin

- Disinfecting the animal/bird sheds with lime powder/ bleaching powder/ 4%NaOH at regular interval is advocated
- 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 CROP | | | |
| Rice | Nursery/trans plantation | Stem borer | Rice: Weed free & clean nursery periphery to prevent disease/pest harboring. Wet seed treatment for 12hrs. in Carbendazim 50% WP (1g/litre of water) & Chlorpyriphos 20% EC (2ml in 10 litres of water) solution before sowing. Rice: Spray Triazophos 40EC @ 4 ml/lit against stem borer in rice nursery as well as in main field. Cut the tips of the leaves before transplanting reduces the population of stem borer as the eggs are laid on that site. It will reduce the carryover of the infestation to the main field. |
| Jhum field | Sowing | | Adopt sowing of leguminous crops like cowpea, frenchbean, soybean etc at 2-3 rows across the slope of jhum field at desirable intervals or ratios with rice to prevent soil erosion and conserve moisture and fertility. Carry out seed dressing/treatment with Thiram or Carbendazim @ 2g/kg seed before sowing. Cowpea variety (Kashi Kanchan) and Frenchbean variety (Selection-9) are advocated for intercropping as they are short duration, dwarf and high yielding. |
| Pea | Seed development | Powdery mildew/ leaf eating insects | Provide adequate drainage and avoid water stagnation near the base of the plants. Need based foliar spray of Dinocap (0.2%) or Carbendazim 50WP (0.1%) or Propiconazole (0.1%) using sticker if the infestation is high. |
| Toria/ Mustard | Seed formation/ ripening | Aphids | Suspend spray operations. Spray Dimethoate 30EC @2ml/litre against aphids in Rapeseed/Mustard on clear/dry days. |
| VEGETABLE | | 1 1 | |
| Ginger/ Turmeric | germination | | Mulching ginger beds with locally available leaves/materials is advocated to enhance germination, prevent washing off during heavy rainfall, add organic matter to the soil & conserve moisture during dry seasons. |
| Pre-summer vegetables | Sowing | Nursery insects | Right time for transplanting the ready seedlings of chili, tomato, capsicum etc. Provide proper drainage to newly transplanted seedlings and follow raised bed for sowing Spray Azadirachtin 1% (10000 PPM) @ 1000-1500 ml in 500 litres water/ha against nursery insects |
| HORTICULT | URAL CROPS | 1 1 | |
| Large cardamom | Sowing | | Sowing in primary nursery bed at 2cm depth & 10cm apart with mulching & regular irrigation. Applications of well decomposed cattle manure/compost @5kg/plant during clear/dry days. |
| Kiwi | Flowering | | Kiwi fruit vine should be covered with 50% shade net to protect flowers from heavy rain and hail storm. |
| Apple | Flowering | | For woody aphid-Wipe the stem with cloth soaked in mineral oil. In bearing trees give a spray of Bordeaux mixture (copper sulphate (2Kg)+quick lime (2kg) in 200litres of water) against canker and other diseases. |
| Citrus | Flowering | Bark eating caterpillar | Cleaning & smearing of trunk base with Bordeaux paste during clear/dry days. Budding method of propagation (T-budding) to commences in oranges using Rangpur lime as rootstock. Cleaning & smearing of trunk base with Bordeaux paste If flowering begins, avoid spray of insecticides/ pesticides as it may affect pollination process. Spray (Planofix) NAA based growth regulator @2m/5lit water during flowering stage in orange plant to reduce |

| Г | [| · · · · · · · · · · · · · · · · · · · | | |
|------------------|-------------------|---------------------------------------|-------|---|
| | | | | fruit/flower drop |
| | | | • | For bark eating caterpillar, remove wooden frass and |
| | | | | inject Dichlorovos (0.1%) @ 5ml with disposable syringe. |
| | | | • | Dead wood on the citrus trees should be kept pruned, about 2cm, below the dead portion. |
| Temperate fruits | After harvesting | | * | Training & pruning of the temperate crops (apple/pears/peach) |
| | | | • | is recommended |
| Acrefonating | | | * | In case of flowering, stop spraying insecticides/pesticides |
| Agroforestry | NT | | * | Tilling of the second states of the second |
| 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 | S | | | |
| Livestock | Stage | Disease | | Precautionary Practices to be followed |
| | ~ | | * | General |
| Damage | d orain (not fung | us contaminated) | | verted for Poultry/livestock feeding |
| 9 | 0 0 | - | | the clock and water troughs/feeders should be regularly |
| cleaned, | 0 | | | |
| Pigs | All stages | FMD (high fever | * | Food waste or garbage fed to swine must be cooked and |
| - | | and appearance | | sterilized properly. Cooking the different raw materials |
| | | of mucous | | together is advocated to improve digestibility and to |
| | | membrane of the | | break- down toxins from some feeds. |
| | | mouth and foot.) | * | Avoid dampness and cover weak and sick animals with sack |
| | | Swine Fever | • | cloth. |
| | | | * | |
| | | | * | The bedding is always dry and that there is plenty. |
| | | | * | 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. |
| Fishery | | | * | To avoid water turbidity, use grass turfing or horticultural |
| | | | | crop at embankment/dyke of the earthen fish pond. |
| Pigs | All stages | FMD (high fever | * | Avoid dampness and cover weak and sick animals with |
| | | and appearance | | sack cloth. |
| | | of mucous | * | The bedding is always dry and that there is plenty. |
| | | membrane of the mouth and foot.) | * | If possible wooden sleeping box should be provided. |
| | | Swine Fever | * | Animals should be given lukewarm feed and water. |
| | | D which i c voi | * | Right time to deworm with anti helmetic drugs (particularly |
| | | | | Tapeworms) viz. Fento Plus @ 1 tablet per 30 kg body weight. |
| 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 |
| Mithun | | EMD | | 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 Scien | tists (ICAR) or S | State Agril Staff | or KV | K staff for measures against adverse conditions or call |
| | | | | 6237/226247 |

Agro-met Advisory Bulletin

(Period: 2nd to 4th May, 2018)



ग्रामीण कृषि मौसम सेवा



(Integrated Agro-Meteorological Advisory Services)



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

District: Papum Pare

No: AMFU-Basar/2018/35

Dated: Tue, 1st May, 2018



| Weather summery of the previous week | Weather forecast valid up to 6 th May 2018 |
|--|---|
| Rainfall: 43.9 mm; T. Max: 34.0°C; T. Min: | Mostly cloudy with possibility of moderate rain. Daily maximum |
| 18.0°C ; RH: 64-88% (up to 17 th April) | and minimum temperature for the following period is predicted to be |
| | 31°C and 21°C respectively. Expected morning and evening relative |
| | humidity will be 80-94% and 44-60% respectively. Expected wind |
| | direction mainly NNW & NW with speed range of 3-5 kmph. |
| Warning: | • |

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 |
|--------------------------|------------------------------|--|--|
| | | 1 | FIELD CROPS |
| Maize | Vegetative | Soybean looper | Spraying of Quinalphos 25 EC 2ml/litre of water is advised, Monitor the crop against attack of insect pests, Make proper drainage in the crop field, |
| Rice | Nursery/trans plantation | Stem borer | Rice: Weed free & clean nursery periphery to prevent disease/pest harboring. Wet seed treatment for 12hrs. in Carbendazim 50% WP (1g/litre of water) & Chlorpyriphos 20% EC (2ml in 10 litres of water) solution before sowing. Rice: Spray Triazophos 40EC @ 4 ml/lit against stem borer in rice nursery as well as in main field. Cut the tips of the leaves before transplanting reduces the population of stem borer as the eggs are laid on that site. It will reduce the carryover of the infestation to the main field. |
| Jhum field | Sowing | | Adopt sowing of leguminous crops like cowpea, frenchbean, soybean etc at 2-3 rows across the slope of jhum field at desirable intervals or ratios with rice to prevent soil erosion and conserve moisture and fertility. Carry out seed dressing/treatment with Thiram or Carbendazim @ 2g/kg seed before sowing. Cowpea variety (Kashi Kanchan) and Frenchbean variety (Selection-9) are advocated for intercropping as they are short duration, dwarf and high yielding. |
| | | | VEGETABLES |
| Cucurbits | Transplanting /vegetative | | Right time for transplanting in a raised bed In bottle gourd, cucumber, ridge gourd etc, earthing up to be done followed by manuring; and stacking should be followed and trained on a bower system made of bamboor + sticks. |
| Pre-summer vegetables | Sowing | Nursery insects | Right time for transplanting the ready seedlings of chili, tomato, capsicum etc. Provide proper drainage to newly transplanted seedlings and follow raised bed for sowing Spray Azadirachtin 1% (10000 PPM) @ 1000-1500 ml in 500 litres water/ha against nursery insects |
| French Bean | Sowing | | In present weather conditions, sowing of quality seeds may be done in shady areas, Treat the seeds with Imidacloprid 17SL @1ml/litre/kilogram seed before sowing. |
| Ginger/ Turmeric | Sowing/ germination | | Mulching ginger beds with locally available leaves/materials is advocated to enhance germination, prevent washing off during heavy rainfall, add organic matter to the soil & conserve moisture during dry seasons. |
| Citerra | | n | HORTICULTURAL CROPS |
| Citrus | Flowering | Bark eating caterpillar/ Blackfly/ Mites | About 50% eggs laid by the citrus blackfly hatch during 2nd half of April month. The nymphs and adults both suck cell sap from young leaves and twigs. Spray Monocrotophos 10 ml or Quinalphos 15 ml per liter os water with second spray after 15 days on clear/dry days or using stickers. Against mites, spray Dicofol 1.8EC @ 15ml/liter of water during clear/dry weather. Cleaning & smearing of trunk base with Bordeaux paste during clear/dry days. Budding method of propagation (T-budding) to commences in oranges using Rangpur lime as rootstock. Cleaning & smearing of trunk base with Bordeaux paste during clear/dry days. Budding method of propagation (T-budding) to commences in oranges using Rangpur lime as rootstock. Cleaning & smearing of trunk base with Bordeaux paste If flowering begins, avoid spray of insecticides/ pesticides as it may affect pollination process. Spray (Planofix) NAA based growth regulator @2m/5lit |

| | | | • | water during flowering stage in orange plant to reduce fruit/flower drop For bark eating caterpillar, remove wooden frass and |
|-----------------------------|-----------------------------|---|------------------|---|
| | | | | inject Dichlorovos (0.1%) @ 5ml with disposable syringe. |
| Large Cardamom | Vegetative | | * | Provide proper drainage to avoid water stagnation in the base of the plant. |
| 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 |
| | | | H | oney Bees |
| Honey bees | | | * | Box must be covered with straw/dry leaves to provide warmth |
| | | | LI | VESTOCKS |
| Livestock | Stage | Disease | | Precautionary Practices to be followed |
| Clean d cleaned, Pigs | rinking water sl All stages | hould be ensured FMD (high fever | | the clock and water troughs/feeders should be regularly Food waste or garbage fed to swine must be cooked and |
| 1 150 | | and appearance of mucous membrane of the mouth and foot.) Swine Fever | | sterilized properly. Cooking the different raw materials together is advocated to improve digestibility and to break- down toxins from some feeds. Avoid dampness and cover weak and sick animals with sack |
| | | | * * * | cloth. The bedding is always dry and that there is plenty. 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. |
| | l | + | | |
| Fishery | | | ** | To avoid water turbidity, use grass turfing or horticultural crop at embankment/dyke of the earthen fish pond. |
| Fishery Poultry | All stages | | * | crop at embankment/dyke of the earthen fish pond. Provide shelter to the backyard/scavenging poultry. Feed grains in the morning/evening to supplement scavenging. Day old chick-Maintain warmth by lighting, |
| - | All stages All stages | | * * * | Provide shelter to the backyard/scavenging poultry. Feed grains in the morning/evening to supplement scavenging. Day old chick-Maintain warmth by lighting, Inclusion of turmeric powder @ 10g/kg feed for |
| Poultry | | FMD | * * * * | crop at embankment/dyke of the earthen fish pond. Provide shelter to the backyard/scavenging poultry. Feed grains in the morning/evening to supplement scavenging. Day old chick-Maintain warmth by lighting, Inclusion of turmeric powder @ 10g/kg feed for prevention of cocciodiosis. |

Agro-met Advisory Bulletin

(Period: 2nd to 4th May, 2018)



ग्रामीण कृषि मौसम सेवा



GRAMIN KRISHI MAUSAM SEWA

(Integrated Agro-Meteorological Advisory Services)



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

District: Tawang

No: AMFU-Basar/2018/35

Dated: Tue, 1st May, 2018



| Weather summery of the previous week | Weather forecast valid up to 6 th May 2018 |
|--|---|
| Rainfall = 7.6 mm (up to 17^{th} April) | Partly/mostly cloudy with possibility of light/moderate rain. |
| | Daily maximum and minimum temperature for the following period |
| | is predicted to be 15-16°C and 4.0-5.0°C respectively. Expected |
| | morning and evening relative humidity will be 84-87% and 59-73% |
| | respectively. Wind direction is mainly ENE & SSE with probable |
| | speed range of 4-6 kmph. |
| Warning: | • |

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

| Cron | Store | Pest/Disease | Droppytionony Droptices to be followed |
|------------------|-----------------------------|--|---|
| Crop | Stage | Pest/Disease | Precautionary Practices to be followed |
| FIELD CROP | | G(1 | |
| Rice | Nursery/trans plantation | Stem borer | Rice: Weed free & clean nursery periphery to prevent disease/pest harboring. Wet seed treatment for 12hrs. in Carbendazim 50% WP (1g/litre of water) & Chlorpyriphos 20% EC (2ml in 10 litres of water) solution before sowing. Rice: Spray Triazophos 40EC @ 4 ml/lit against stem borer in |
| | | | rice nursery as well as in main field. Cut the tips of the leaves before transplanting reduces the population of stem borer as the eggs are laid on that site. It will reduce the carryover of the infestation to the main field. |
| Maize | Sowing | | Sowing of Maize advocated Carry out seed dressing/treatment with Thiram or Carbendazim @ 2g/kg seed before sowing Follow time isolation of atleast 15 days for two or more different varieties of maize in Jhum field |
| Jhum field | Sowing | | Adopt sowing of leguminous crops like cowpea, frenchbean, soybean etc at 2-3 rows across the slope of jhum field at desirable intervals or ratios with rice to prevent soil erosion and conserve moisture and fertility. Cowpea variety (Kashi Kanchan) and Frenchbean variety (Selection-9) are advocated for intercropping as they are short duration, dwarf and high yielding. Carry out seed dressing/treatment with Thiram or Carbendazim @ 2g/kg seed before sowing |
| VEGETABLE | 0 | | Carbendazini @ 2g/kg seed before sowing |
| Ginger/ Turmeric | Sowing/ germination | | Mulching ginger beds with locally available leaves/materials is advocated to enhance germination, prevent washing off during heavy rainfall, add organic matter to the soil & conserve moisture during dry seasons. |
| French bean | Sowing | | In present weather conditions, sowing of quality treated seeds may be done. |
| HORTICULT | URAL CROPS | | Secus muy be used. |
| Kiwi | Flowering | | Kiwi fruit vine should be covered with 50% shade net to protect flowers from heavy rain and hail storm. |
| Apple | Flowering | | For woody aphid-Wipe the stem with cloth soaked in mineral oil. In bearing trees give a spray of Bordeaux mixture (copper sulphate (2Kg)+quick lime (2kg) in 200litres of water) against canker and other diseases during clear/dry days. |
| 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 Mulching with straw/crop residue at root zone to avoid frost injury in banana. |
| LIVESTOCKS | | | |
| Livestock | Stage | Disease | Precautionary Practices to be followed |
| | d grain (not fungus | | be 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 | Food waste or garbage fed to swine must be cooked and sterilized properly. Cooking the different raw materials together is advocated to improve digestibility and to break- down toxins from some feeds. Avoid dampness and cover weak and sick animals with sack cloth. The bedding is always dry and that there is plenty. |

| | | | 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 weig | |
| Poultry | All stages | | Provide shelter to the backyard/scavenging poultry. Fe grains in the morning/evening to supplement scavenging. | |
| | | | Inclusion of turmeric powder @ 10g/kg feed f prevention of cocciodiosis. | |
| Yak | All stages | | Feeding of concentrate feed along with mineral mixture and salt. | |
| | | | Hay feeding is recommended. | |
| 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 | |
| | | | kg body weight. | |
| | | | Provide proper bedding materials especially to new-born a | |
| | | | lukewarm food & water | |
| | | | Provide feed supplements | |
| 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: 2nd to 4th May, 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/2018/35

Dated: Tue, 1st May, 2018



| Weather summery of the previous week | Weather forecast valid up to 6 th May 2018 |
|---|--|
| Rainfall = 11.4 mm (up to 17 th April) | Partly/mostly cloudy with possibility of moderate rain. Daily maximum and minimum temperature for the following period is predicted to be 31°C and 21°C respectively. Expected morning and evening relative humidity will be 82-100% and 37-49% respectively. Wind direction is mainly ESE & E with speed range of 2 kmph |
| Warning: | 2 kmph. Nil |

Weather Based Agro-meteorological Advisories Bulletin

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

| Crop | Stage | Pest/Disease | Precautionary Practices to be followed |
|--------------------------|----------------------------------|---|---|
| FIELD CROPS | Vegetative | Soybean looper | Spraying of Quinalphos 25 EC 2ml/litre of water is advised, Monitor the crop against attack of insect pests, Make proper drainage in the crop field, |
| Rice | Nursery/trans plantation | Stem borer | Rice: Weed free & clean nursery periphery to prevent disease/pest harboring. Wet seed treatment for 12hrs. in Carbendazim 50% WP (1g/litre of water) & Chlorpyriphos 20% EC (2ml in 10 litres of water) solution before sowing. Rice: Spray Triazophos 40EC @ 4 ml/lit against stem borer in rice nursery as well as in main field. Cut the tips of the leaves before transplanting reduces the population of stem borer as the eggs are laid on that site. It will reduce the carryover of the infestation to the main field. |
| Jhum field | Sowing | | Adopt sowing of leguminous crops like cowpea, frenchbean, soybean etc at 2-3 rows across the slope of jhum field at desirable intervals or ratios with rice to prevent soil erosion and conserve moisture and fertility. Carry out seed dressing/treatment with Thiram or Carbendazim @ 2g/kg seed before sowing. Cowpea variety (Kashi Kanchan) and Frenchbean variety (Selection-9) are advocated for intercropping as they are short duration, dwarf and high yielding. |
| Pea | Seed development/ Maturity | Powdery mildew/ leaf eating insects | Harvest mature crops Need based foliar spray of Dinocap (0.2%) or Carbendazim 50WP (0.1%) or Propiconazole (0.1%) using sticker if the infestation is high. |
| Toria/ Mustard | Maturity | Aphids | Harvest during clear/dry days If the infestation is high, Spray Dimethoate 30EC @2ml/litre against aphids in Rapeseed/Mustard using sticker or during clear/dry days. |
| VEGETABLES | 8 | | |
| Cucurbits | Transplanting /vegetative | | Right time for transplanting in a raised bed In bottle gourd, cucumber, ridge gourd etc, earthing up to be done followed by manuring; and stacking should be followed and trained on a bower system made of bamboor + sticks. |
| Ginger/ Turmeric | Sowing/ germination | | Mulching ginger beds with locally available leaves/materials is advocated to enhance germination, prevent washing off during heavy rainfall, add organic matter to the soil & conserve moisture during dry seasons. |
| Pre-summer vegetables | Sowing | Nursery insects | Right time for transplanting the ready seedlings of chili, tomato, capsicum etc. Provide proper drainage to newly transplanted seedlings and follow raised bed for sowing Spray Azadirachtin 1% (10000 PPM) @ 1000-1500 ml in 500 litres water/ha against nursery insects |
| French Bean | Sowing | | In present weather conditions, sowing of quality seeds may be done, Treat the seeds with Imidacloprid 17SL @1ml/litre/kilogram seed before sowing. |
| HORTICULT | | | |
| Citrus | Flowering | Bark eating caterpillar | Cleaning & smearing of trunk base with Bordeaux paste during clear/dry days. Budding method of propagation (T-budding) to commences in oranges using Rangpur lime as rootstock. Cleaning & smearing of trunk base with Bordeaux paste If flowering begins, avoid spray of insecticides/ pesticides as it may affect pollination process. |

| | | | • | Spray (Planofix) NAA based growth regulator @2m/5lit water during flowering stage in orange plant to reduce fruit/flower drop For bark eating caterpillar, remove wooden frass and |
|--|--------------------------------------|--|------------------|---|
| | | | • | inject Dichlorovos (0.1%) @ 5ml with disposable syringe. Dead wood on the citrus trees should be kept pruned, about 2cm, below the dead portion. |
| 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 |
| II. D. | | | | water |
| Honey Bees | | | * | Box must be covered with straw/dry leaves to provide warmth |
| LIVESTOCKS | 5 | | | |
| Livestock | Stage | Disease | | Precautionary Practices to be followed |
| Clean d cleaned, | d grain (not fung rinking water s | hould be ensured | round | verted for Poultry/livestock feeding the clock and water troughs/feeders should be regularly |
| Pigs | All stages | FMD (high fever and appearance of mucous membrane of the mouth and foot.) Swine Fever | * * * * | Food waste or garbage fed to swine must be cooked and sterilized properly. Cooking the different raw materials together is advocated to improve digestibility and to break- down toxins from some feeds. Avoid dampness and cover weak and sick animals with sack cloth. The bedding is always dry and that there is plenty. 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. |
| Fishery | | | * | To avoid water turbidity, use grass turfing or horticultural crop at embankment/dyke of the earthen fish pond. |
| Poultry | All stages | | | Provide shelter to the backyard/scavenging poultry. Feed grains in the morning/evening to supplement scavenging. Day old chick-Maintain warmth by lighting, |
| Goat | All stages | | * | Deworming for gastrointestinal parasite |
| Cattle | All stages | FMD | * | (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 |
| Contact Scien | tists (ICAR) or | | | K staff for measures against adverse conditions or call 26237/226247 |

कृषि मौसम सलाहकार सेवा पत्रिका

Agro-met Advisory Bulletin

(Period: 2nd to 4th May, 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/2018/35

Dated: Tue, 1st May, 2018



| Weather summery of the previous week | Weather forecast valid up to 6 th May 2018 |
|---|---|
| Rainfall = 33.4 mm (up to 17^{th} April) | Mostly cloudy with possibility of moderate rainfall. Daily |
| | maximum and minimum temperature for the following period is |
| | predicted to be 24°C and 14°C respectively. Expected morning and |
| | evening relative humidity will be 68-88% and 44-60% respectively. |
| | Wind direction is mainly variable with speed range of 2-8 kmph. |
| | |
| Warning: | • Nil |

Weather Based Agro-meteorological Advisories Bulletin

General Recommendations

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

- Spraying operation should be done only on dry/clear weather
- Go for low cost 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 CROP | S | | |
| Pea | Seed development | Powdery mildew/ leaf eating insects | Provide adequate drainage and avoid water stagnation near the base of the plants. Need based foliar spray of Dinocap (0.2%) or Carbendazim 50WP (0.1%) or Propiconazole (0.1%) using sticker if the infestation is high. |
| Rice | Nursery/trans plantation | Stem borer | Rice: Weed free & clean nursery periphery to prevent disease/pest harboring. Wet seed treatment for 12hrs. in Carbendazim 50% WP (1g/litre of water) & Chlorpyriphos 20% EC (2ml in 10 litres of water) solution before sowing. Rice: Spray Triazophos 40EC @ 4 ml/lit against stem borer in rice nursery as well as in main field. Cut the tips of the leaves before transplanting reduces the population of stem borer as the eggs are laid on that site. It will reduce the carryover of the infestation to the main field. |
| Jhum field | Sowing | | Adopt sowing of leguminous crops like cowpea, frenchbean, soybean etc at 2-3 rows across the slope of jhum field at desirable intervals or ratios with rice to prevent soil erosion and conserve moisture and fertility. Carry out seed dressing/treatment with Thiram or Carbendazim @ 2g/kg seed before sowing. Cowpea variety (Kashi Kanchan) and Frenchbean variety (Selection-9) are advocated for intercropping as they are short duration, dwarf and high yielding. |
| Toria/ Mustard | Vegetative/ Flowering | | Provide proper drainage facilities for the toria grown in the WRC field to protect them against heavy rainfall. |
| VEGETABLE | S | | |
| Ginger/ Turmeric | | | Mulching ginger beds with locally available leaves/materials is advocated to enhance germination, prevent washing off during heavy rainfall, add organic matter to the soil & conserve moisture during dry seasons. |
| Cucurbits | Nursery/Sowing | | Transplant ready seedlings to main field in raised bed |
| HORTICULT | | | |
| Large cardamom | | | Sowing in primary nursery bed at 2cm depth & 10cm apart with mulching & regular irrigation. |
| Citrus | Flowering | Bark eating caterpillar | Cleaning & smearing of trunk base with Bordeaux paste during clear/dry days. Budding method of propagation (T-budding) to commences in oranges using Rangpur lime as rootstock. Cleaning & smearing of trunk base with Bordeaux paste If flowering begins, avoid spray of insecticides/ pesticides as it may affect pollination process. Spray (Planofix) NAA based growth regulator @2m/5lit water during flowering stage in orange plant to reduce fruit/flower drop For bark eating caterpillar, remove wooden frass and inject Dichlorovos (0.1%) @ 5ml with disposable syringe. Dead wood on the citrus trees should be kept pruned, about 2cm, below the dead portion. |
| Kiwi | Flowering | | Kiwi fruit vine should be covered with 50% shade net to protect flowers from heavy rain and hail storm. |
| Apple | Flowering | | For woody aphid-Wipe the stem with cloth soaked in mineral oil. In bearing trees give a spray of Bordeaux mixture (copper sulphate (2Kg)+quick lime (2kg) in 200litres of water) against canker and other diseases. |
| 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. |

| Livestock | Stage | Disease | | Precautionary Practices to be followed |
|------------|-------------------|------------------------------|-------|---|
| | | - - | * | General |
| Damageo | l grain (not fung | gus contaminated) to | be di | verted for Poultry/livestock feeding |
| ✤ Clean di | rinking water s | should be ensured a | round | the clock and water troughs/feeders should be regula |
| cleaned, | | 1 | | |
| Pigs | All stages | FMD (high fever | * | Food waste or garbage fed to swine must be cooked and |
| | | and appearance | | sterilized properly. Cooking the different raw materials |
| | | of mucous membrane of the | | together is advocated to improve digestibility and to |
| | | mouth and foot.) | | break- down toxins from some feeds. |
| | | Swine Fever | * | Avoid dampness and cover weak and sick animals with sack |
| | | Swille I ever | | cloth. |
| | | | * | The bedding is always dry and that there is plenty. |
| | | | * | 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 weig |
| Poultry | All stages | | * | Provide shelter to the backyard/scavenging poultry. For |
| | 8 | | | grains in the morning/evening to supplement scavenging |
| | | | * | Inclusion of turmeric powder @ 10g/kg feed f |
| | | | | prevention of cocciodiosis. |
| 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 |
| | | | | kg body weight. |
| | | | *** | Provide proper bedding materials especially to new-born a lukewarm food & water |
| | | | ** | Provide feed supplements |
| Fishery | | | | To avoid water turbidity, use grass turfing or horticultu |
| I Isliel y | | | • | crop at embankment/dyke of the earthen fish pond. |
| Mithun | | FMD | * | Polyvalent FMD vaccine with serotype O, A and Asia a |
| within | | | • | months of age and repeat after that 6 months interval by su |
| | | | | cutaneous route. |
| | | | * | Pregnant animals above 7 months of pregnancy should |
| | | | | avoided. |

> Agrometeorological Field Unit ICAR, BASAR

कृषि मौसम सलाहकार सेवा पत्रिका Agro-met Advisory Bulletin

(Period: 2nd to 4th May, 2018)



ग्रामीण कृषि मौसम सेवा



(Integrated Agro-Meteorological Advisory Services)



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

District: Upper Subansiri

No: AMFU-Basar/2018/35

Dated: Tue, 1st May, 2018



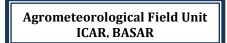
| Weather summery of the previous week | Weather forecast valid up to 6 th May 2018 |
|---|---|
| Daporijo: 2.4 mm (up to 17 th April) | Mostly cloudy with possibility of moderate rainfall. Daily |
| | maximum and minimum temperature for the following period is |
| | predicted to be 28°C and 19°C respectively. Expected morning and |
| | evening relative humidity will be 78-89% and 49-66% respectively. |
| | Expected wind direction is mainly SSW & SSE with speed range of |
| | 2-4 kmph. |
| Warning | Thunderstorm 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

| Сгор | Stage | Pest/Disease | Precautionary Practices to be followed |
|--------------------------|------------------------------|---|---|
| | | | FIELD CROPS |
| Rice | Nursery/trans plantation | Stem borer | Rice: Weed free & clean nursery periphery to prevent disease/pest harboring. Wet seed treatment for 12hrs. in Carbendazim 50% WP (1g/litre of water) & Chlorpyriphos 20% EC (2ml in 10 litres of water) solution before sowing. Rice: Spray Triazophos 40EC @ 4 ml/lit against stem borer in rice nursery as well as in main field. Cut the tips of the leaves before transplanting reduces the population of stem borer as the eggs are laid on that site. It will reduce the carryover of the infestation to the main field. |
| Maize | Vegetative | Soybean looper | Spraying of Quinalphos 25 EC 2ml/litre of water is advised, Monitor the crop against attack of insect pests, Make proper drainage in the crop field, |
| Pea | Seed development | Powdery mildew/ leaf eating insects | Provide adequate drainage and avoid water stagnation near the base of the plants. Need based foliar spray of Dinocap (0.2%) or Carbendazim 50WP (0.1%) or Propiconazole (0.1%) using sticker if the infestation is high. |
| Jhum field | Sowing | | Adopt sowing of leguminous crops like cowpea, frenchbean, soybean etc at 2-3 rows across the slope of jhum field at desirable intervals or ratios with rice to prevent soil erosion and conserve moisture and fertility. Carry out seed dressing/treatment with Thiram or Carbendazim @ 2g/kg seed before sowing. Cowpea variety (Kashi Kanchan) and Frenchbean variety (Selection-9) are advocated for intercropping as they are short duration, dwarf and high yielding. |
| Toria/ Mustard | Maturity | Aphids | Provide adequate drainage If the infestation is high, Spray Dimethoate 30EC @2ml/litre against aphids in Rapeseed/Mustard using sticker or during clear/dry days. |
| | | | VEGETABLES |
| Cucurbits | Transplanting /vegetative | | Right time for transplanting in a raised bed In bottle gourd, cucumber, ridge gourd etc, earthing up to be done followed by manuring; and stacking should be followed and trained on a bower system made of bamboor + sticks. |
| Ginger/ Turmeric | Sowing/ germination | | Mulching ginger beds with locally available leaves/materials is advocated to enhance germination, prevent washing off during heavy rainfall, add organic matter to the soil & conserve moisture during dry seasons. |
| Pre-summer vegetables | Sowing | Nursery insects | Right time for transplanting the ready seedlings of chili, tomato, capsicum etc. Provide proper drainage to newly transplanted seedlings and follow raised bed for sowing Spray Azadirachtin 1% (10000 PPM) @ 1000-1500 ml in 500 litres water/ha against nursery insects |
| Citrus | Flowering | Bark eating | • About 50% eggs laid by the citrus blackfly hatch during |
| | . io woring | caterpillar/ Blackfly/ Mites | About 30% eggs latt by the chrus blacking hatch during 2nd half of April month. The nymphs and adults both suck cell sap from young leaves and twigs. Spray Monocrotophos 10 ml or Quinalphos 15 ml per liter os water with second spray after 15 days on clear/dry days or using stickers. Against mites, spray Dicofol 1.8EC @ 15ml/liter of water during clear/dry weather. Cleaning & smearing of trunk base with Bordeaux paste during clear/dry days. |

| | | | • | Budding method of propagation (T-budding) to commences in | | | |
|------------------------|------------------------|-------------------|-------|--|--|--|--|
| | | | | oranges using Rangpur lime as rootstock. | | | |
| | | | • | Cleaning & smearing of trunk base with Bordeaux paste | | | |
| | | | • | If flowering begins, avoid spray of insecticides/ pesticides as it | | | |
| | | | | may affect pollination process. | | | |
| | | | • | Spray (Planofix) NAA based growth regulator @2m/5lit water during flowering stage in orange plant to reduce | | | |
| | | | | fruit/flower drop | | | |
| | | | • | For bark eating caterpillar, remove wooden frass and | | | |
| | | | | inject Dichlorovos (0.1%) @ 5ml with disposable syringe. | | | |
| Apple | Flowering | | * | For woody aphid-Wipe the stem with cloth soaked in mineral | | | |
| | | | * | oil. In bearing trees give a spray of Bordeaux mixture (copper | | | |
| | | | | sulphate (2Kg)+quick lime (2kg) in 200litres of water) against | | | |
| | | | | canker and other diseases. | | | |
| Kiwi | Flowering | | * | | | | |
| | 8 | | | protect flowers from heavy rain and hail storm. | | | |
| Temperate fruits | After harvesting | | * | Training & pruning of the temperate crops (apple/pears/peach) | | | |
| * | | | | is recommended | | | |
| | | | Hone | ey Bees | | | |
| Honey bees | | | | Provide sugar syrup near the box | | | |
| | | | | Add insulation and ventilation systems | | | |
| | I a | r | LIVES | STOCKS | | | |
| Livestock | Stage | Disease | | Precautionary Practices to be followed | | | |
| | • (, • | | | eneral | | | |
| 0 0 | | | | ed for Poultry/livestock feeding ck and water troughs/feeders should be regularly cleaned, | | | |
| • Clean drinki Pigs | All stages | FMD (high fever | | | | | |
| 1 125 | THI stages | and appearance | • | sterilized properly. Cooking the different raw materials | | | |
| | | of mucous | | together is advocated to improve digestibility and to | | | |
| | | membrane of the | | break- down toxins from some feeds. | | | |
| | | mouth and foot.) | * | | | | |
| | | Swine Fever | • | cloth. | | | |
| | | | * | | | | |
| | | | * | | | | |
| | | | | Right time to deworm with anti helmetic drugs (particularly | | | |
| | | | | Tapeworms) viz. Fento Plus @ 1 tablet per 30 kg body weight. | | | |
| Fishery | | | * | | | | |
| i isher y | | | | crop at embankment/dyke of the earthen fish pond. | | | |
| Poultry | All stages | | * | Provide shelter to the backyard/scavenging poultry. Feed | | | |
| 100101 | 1 m stages | | | grains in the morning/evening to supplement scavenging. | | | |
| | | | * | | | | |
| | | | | prevention of cocciodiosis. | | | |
| Cattle | All stages | FMD | * | 8 | | | |
| | | | * | 8 | | | |
| | | | | (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 Scien | tists (ICAR) or S | State Agril Staff | or KV | K staff for measures against adverse conditions or call | | | |
| | at 03795-226237/226247 | | | | | | |



कृषि मौसम सलाहकार सेवा पत्रिका

Agro-met Advisory Bulletin

(Period: 2nd to 4th May, 2018)



ग्रामीण कृषि मौसम सेवा



GRAMIN KRISHI MAUSAM SEWA

(Integrated Agro-Meteorological Advisory Services)



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

District: West Kameng

No: AMFU-Basar/2018/35

Dated: Tue, 1st May, 2018



| Weather summery of the previous week | Weather forecast valid up to 6 th May 2018 |
|--|---|
| Rainfall = Bomdila: 0.0 ; Bhalukpong: 28.4 | Partly/mostly cloudy with possibility light/moderate rain. Daily |
| mm (up to 17 th April) | maximum and minimum temperature for the following period is |
| | predicted to be 23°C and 13°C respectively. Expected morning and |
| | evening relative humidity will be 82-96% and 42-69% respectively. |
| | Wind direction is mainly WNW & NW with speed range of 4-6 |
| | 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 CROP | | | | |
| Rice | Nursery/trans | Stem borer | • | Rice: Weed free & clean nursery periphery to prevent |
| | plantation | | | disease/pest harboring. |
| | F | | • | Wet seed treatment for 12hrs. in Carbendazim 50% WP |
| | | | | (1g/litre of water) & Chlorpyriphos 20% EC (2ml in 10 |
| | | | | litres of water) solution before sowing. |
| | | | - | |
| | | | • | Rice: Spray Triazophos 40EC @ 4 ml/lit against stem borer in |
| | | | | rice nursery as well as in main field. |
| | | | • | Cut the tips of the leaves before transplanting reduces the |
| | | | | population of stem borer as the eggs are laid on that site. It |
| | | | | will reduce the carryover of the infestation to the main field. |
| Jhum Rice | Land | | * | |
| | Preparation | | * | |
| | | | * | |
| | | | • | Bhalum1,2,3 & 4 in Jhum apart from the local varieties. |
| | | | | Sowing to be done on clear/dry days |
| | | | * | Intercropping of leguminous crops (cowpea /frenchbean |
| | | | | /soybean) at 2-3 rows across the slope in jhum field at |
| | | | | desirable interval with rice advocated. |
| Pea | Seed | Powdery | * | |
| | development | mildew/ leaf | | near the base of the plants. |
| | | eating insects | * | Need based foliar spray of Dinocap (0.2%) or Carbendazim |
| | | | | 50WP (0.1%) or Propiconazole (0.1%) using sticker if the |
| | | | | infestation is high. |
| Toria/ Mustard | Maturity | Aphids | * | Provide adequate drainage |
| | | | * | If the infestation is high, Spray Dimethoate 30EC @2ml/litre |
| | | | | against aphids in Rapeseed/Mustard using sticker or during |
| | | | | clear/dry days. |
| VEGETABLE | S | | | |
| Ginger/ Turmeric | sowing/ | | * | Mulching ginger beds with locally available |
| | germination | | | leaves/materials is advocated to enhance germination, |
| | | | | prevent washing off during heavy rainfall, add organic |
| | | | | matter to the soil & conserve moisture during dry seasons. |
| Cucurbits | Nursery/Sowing | | * | Right time for transplanting |
| HODTICULT | URAL CROPS | | * | Raise in raised bed |
| Kiwi | Flowering | | * | Kiwi fruit vine should be covered with 50% shade net to |
| KIWI | riowening | | ••• | protect flowers from heavy rain and hail storm. |
| Annla | Elemenine | | .*. | |
| Apple | Flowering | | * | For woody aphid-Wipe the stem with cloth soaked in mineral oil. |
| | | | * | In bearing trees give a spray of Bordeaux mixture (copper |
| | | | • | sulphate (2Kg)+quick lime (2kg) in 200litres of water) against |
| | | | | canker and other diseases. |
| Derere | Dunshins | Cald | .*. | |
| Banana | Bunching | Cold | * | Cover newly emerged bunches with locally available sack to protect from cold/frost |
| LIVESTOCKS | 7 | | | |
| | | Discours | | A Drospution any Drostiggs to be followed |
| Livestock | Stage | Disease | • | Precautionary Practices to be followed |
| • • | | | | General |
| 0 | 0 0 | | | verted for Poultry/livestock feeding |
| Clean d cleaned, | | ioula de ensured | round | the clock and water troughs/feeders should be regularly |
| Pigs | All stages | FMD (high fever | * | Food waste or garbage fed to swine must be cooked and |
| 1 150 | 1 m stages | and appearance | *** | sterilized properly. Cooking the different raw materials |
| | | of mucous | | together is advocated to improve digestibility and to |
| | | membrane of the | | together is autocated to improve uigestibility and to |

| Pigs | All stages | FMD (high fever and appearance of mucous membrane of the mouth and foot.) Swine Fever | | Food waste or garbage fed to swine must be cooked and sterilized properly. Cooking the different raw materials together is advocated to improve digestibility and to break- down toxins from some feeds. Avoid dampness and cover weak and sick animals with sack cloth. |
|------|------------|--|--|---|
| | | * | The bedding is always dry and that there is plenty. Animals should be given lukewarm feed and water. Right time to deworm with anti helmetic drugs (particularly | |

| Yak All stages * Feeding of concentrate feed along with minera and salt. Poultry All stages * Feeding is recommended. Poultry All stages * Provide shelter to the backyard/scavenging pour grains in the morning/evening to supplement sca Poultry All stages * Provide shelter conditions protect the birds from using gunny bags/plastic sheets around the poultry so night, Cattle All stages FMD Cattle All stages FMD Vervide heat by lighting 100W bulb @ 1 bulb perborn chicks. Provide heat by lighting 100W bulb @ 1 bulb perborn chicks. Cattle All stages FMD Vervide proper bedding materials especially to new lukewarm foed and wate Provide proper bedding materials especially to new lukewarm food & water Vervide proper bedding materials especially to new lukewarm food water Provide proper bedding materials especially to new lukewarm food ficials, Vervide proper bedding materials especially to new lukewarm food ficials, Provide proper bedding materials especially to new lukewarm food animals has been to Supportive treatment of infected and healthy animals, we cerinary department of ficials, Vervide proper bedding materials especially to new lukewarm food ficials, Provide feed supplements Mithun FMD Provide feed supplements Mithun FMD | | | | Tapeworms) viz. Fento Plus @ 1 tablet per 30 kg body weigh |
|--|---------------|-----------------|------------------|--|
| Yak All stages * Feeding of concentrate feed along with mineral and salt. Poultry All stages * Provide shelter to the backyard/scavenging pour grains in the morning/evening to supplement sca Poultry All stages * Day old chick-Maintain warmth by lighting, In present weather conditions protect the birds from using gunny bags/plastic sheets around the poultry singft, * Provide heat by lighting 100W bulb @ 1 bulb per born chicks. Cattle All stages FMD * Animals should be given lukewarm feed and watt * Right time to deworm with anti helmetic drugs (particularly Tapeworms) viz. Fento Plus @ 1 tal kg body weight. * Provide proper bedding materials especially to new lukewarm food & water * Heavy mortality in cloven footed animals has been to supportive treatment of infected animals under sup veterinary department officials, * Avoid mixing of infected animals under sup veterinary Dept.) Mithun FMD * Polyvalent FMD vaccine with serotype O, A and months of age and repeat after that 6 months intercutaneous route. * Provide deed and repeat after that 6 months intercutaneous route. * Provide deed and wath serotype O, A and months of age and repeat after that 6 months intercutaneous route. | ishery | | | To avoid water turbidity, use grass turfing or horticultur crop at embankment/dyke of the earthen fish pond. |
| PoultryAll stagesProvide shelter to the backyard/scavenging por grains in the morning/evening to supplement scat >Day old chick-Maintain warmth by lighting, In present weather conditions protect the birds from using gunny bags/plastic sheets around the poultry singht,CattleAll stagesFMDAnimals should be given lukewarm feed and wata Sight time to deworm with anti helmetic drugs (particularly Tapeworms) viz. Fento Plus @ 1 tal kg body weight.CattleAll stagesFMDRight time to deworm with anti helmetic drugs (particularly Tapeworms) viz. Fento Plus @ 1 tal kg body weight.CattleAll stagesFMDRight time to deworm with anti helmetic drugs (particularly Tapeworms) viz. Fento Plus @ 1 tal kg body weight.CattleAll stagesFMDRight time to deworm with anti helmetic drugs (particularly Tapeworms) viz. Fento Plus @ 1 tal kg body weight.MithunFMDProvide proper bedding materials especially to ney lukewarm food & waterMithunFMDProvide feed supplementsMithunFMDProvide feed supplementsMithunFMDProvide feed supplementsMithunFMDProvide feed supplementsMithunFMDProvide feed supplementsMithunFMDProvide feed supplementsMithunFMDProvide feed supplements | Yak | All stages | | ✤ Feeding of concentrate feed along with mineral mixtu |
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| All stagesFMDDay old chick-Maintain warmth by lighting, In present weather conditions protect the birds from using gunny bags/plastic sheets around the poultry so night, Provide heat by lighting 100W bulb @ 1 bulb per born chicks.CattleAll stagesFMDAnimals should be given lukewarm feed and wate Right time to deworm with anti helmetic drugs (particularly Tapeworms) viz. Fento Plus @ 1 tal kg body weight. Provide proper bedding materials especially to new lukewarm food & waterHeavy mortality in cloven footed animals has been in Supportive treatment of infected animals under sup veterinary department officials, Keep infected animals separated from the healthy or Vaccinate the healthy animals against FMD (Thr Veterinary Dept.)MithunFMDPolyvalent FMD vaccine with serotype O, A and months of age and repeat after that 6 months inter- cutaneous route. | oultry | All stages | | Provide shelter to the backyard/scavenging poultry. Fe grains in the morning/evening to supplement scavenging |
| Mithun FMD In present weather conditions protect the birds from using gunny bags/plastic sheets around the poultry singht, Provide heat by lighting 100W bulb @ 1 bulb perborn chicks. Provide heat by lighting 100W bulb @ 1 bulb perborn chicks. Cattle All stages FMD Animals should be given lukewarm feed and wate Right time to deworm with anti helmetic drugs (particularly Tapeworms) viz. Fento Plus @ 1 talkg body weight. Provide proper bedding materials especially to new lukewarm food & water Vertical and the determinant of the determin | | | | |
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> Agrometeorological Field Unit ICAR, BASAR

कृषि मौसम सलाहकार सेवा पत्रिका Agro-met Advisory Bulletin

(Period: 2nd to 4th May, 2018)

ग्रामीण कृषि मौसम सेवा



GRAMIN KRISHI MAUSAM SEWA

(Integrated Agro-Meteorological Advisory Services)

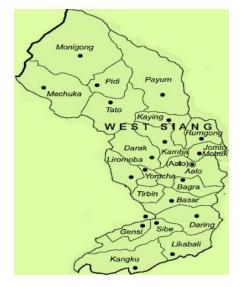


AMFU, ICAR Research Complex for NEH Region Arunachal Pradesh Centre, Basar-791101

District: West Siang

No: AMFU-Basar/2018/35

Dated: Tue, 1st May, 2018



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

| Weather summery of the previous week | Weather forecast valid up to 6 th May 2018 |
|---|---|
| Basar: Rainfall =9.6 mm. T. Max: 29.0° C, | Mostly cloudy with possibility of Moderate rainfall. Daily |
| T. Min: 12.5°C, RH: 48-92%, Wind Speed: | maximum and minimum temperature for the following period is |
| 4-7 kmph, Wind Direction: WNW & NNE | predicted to be 31°C and 21°C respectively. Expected morning and |
| | evening relative humidity will be 62-83% and 36-54% respectively. |
| | Wind direction is mainly variable with speed range of 2-7 kmph. |
| | |
| Warning: | • Nil |

Weather Based Agro-meteorological Advisories Bulletin

General Recommendations

- Disinfecting the animal/bird sheds with lime powder/ bleaching powder/ 4%NaOH at regular interval is advocated
- 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 Rice | Nursery/trans plantation | Stem borer | Rice: Weed free & clean nursery periphery to prevent disease/pest harboring. Wet seed treatment for 12hrs. in Carbendazim 50% WP (1g/litre of water) & Chlorpyriphos 20% EC (2ml in 10 litres of water) solution before sowing. Rice: Spray Triazophos 40EC @ 4 ml/lit against stem borer in rice nursery as well as in main field. Cut the tips of the leaves before transplanting reduces the population of stem borer as the eggs are laid on that site. It will reduce the carryover of the infestation to the main field. |
| Maize | Vegetative | Soybean looper | Spraying of Quinalphos 25 EC 2ml/litre of water is advised, Monitor the crop against attack of insect pests, Make proper drainage in the crop field, |
| Jhum field | Sowing | | Adopt sowing of leguminous crops like cowpea, frenchbean, soybean etc at 2-3 rows across the slope of jhum field at desirable intervals or ratios with rice to prevent soil erosion and conserve moisture and fertility. Carry out seed dressing/treatment with Thiram or Carbendazim @ 2g/kg seed before sowing. Cowpea variety (Kashi Kanchan) and Frenchbean variety (Selection-9) are advocated for intercropping as they are short duration, dwarf and high yielding. |
| Pea | Seed development | Powdery mildew/ leaf eating insects | Provide adequate drainage and avoid water stagnation near the base of the plants. Need based foliar spray of Dinocap (0.2%) or Carbendazim 50WP (0.1%) or Propiconazole (0.1%) using sticker if the infestation is high. |
| Toria/ Mustard | Maturity | Aphids | Provide adequate drainage If the infestation is high, Spray Dimethoate 30EC @2ml/litre against aphids in Rapeseed/Mustard using sticker or during clear/dry days. |
| VEGETABLES | 5 | | |
| Cucurbits | Transplanting /vegetative | | Right time for transplanting in a raised bed In bottle gourd, cucumber, ridge gourd etc, earthing up to be done followed by manuring; and stacking should be followed and trained on a bower system made of bamboor + sticks. |
| Ginger/ Turmeric | Sowing/ germination | | Mulching ginger beds with locally available leaves/materials is advocated to enhance germination, prevent washing off during heavy rainfall, add organic matter to the soil & conserve moisture during dry seasons. |
| Pre-summer vegetables | Sowing | Nursery insects | Right time for transplanting the ready seedlings of chili, tomato, capsicum etc. Provide proper drainage to newly transplanted seedlings and follow raised bed for sowing Spray Azadirachtin 1% (10000 PPM) @ 1000-1500 ml in 500 litres water/ha against nursery insects |
| French Bean | Sowing | | Sowing can be done in raised bunds Treat the seeds with Imidacloprid 17SL @1ml/litre/ kilogram seed before sowing. |
| HORTICULTU | URAL CROPS | | |
| Citrus | Flowering | Bark eating caterpillar/ Blackfly/ Mites | About 50% eggs laid by the citrus blackfly hatch during 2nd half of April month. The nymphs and adults both suck cell sap from young leaves and twigs. Spray Monocrotophos 10 ml or Quinalphos 15 ml per liter os water with second spray after 15 days on clear/dry days or using stickers. Against mites, spray Dicofol 1.8EC @ 15ml/liter of water |

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| during clear/dry days. Building method of propagation (T-building) to commences in oranges using Rangur line as rootstock. Clearing & smearing of trunk base with Bordeaux paste If flowering regulator @2an/Siti water during flowering stage in orange plant or @2an/Siti water during flowering stage in orange plant or @2an/Siti water during flowering stage in orange plant or general multiple states as in may affect pollmation process. Kiwi Flowering For bark eating conterpilar, remove wooden frast and inject Bielhoroxo (0.1%) @ Snl with disposable syring. Kiwi frait vine should be covered with 50% state at to protect flowers from heav ratin and hail storm. Apple Flowering For woody aphid-Wipe the stem with clob soaked in mineral oil. In bearing trees give a spray of Bordeaux mixture (copper suppleation) water plant or general oil. In bearing trees give a spray of Bordeaux mixture (copper suppleation) with mulching & regular irrigation. Apple For woody aphid-Wipe the stem with clob soaked in mineral oil. In bearing trees give a spray of Bordeaux mixture (copper suppleation) with mulching & regular irrigation. Applications of well decomposed cattle manure/compost @\$kpp hand turing decariby days. HONEY BEES Honey bees Cover the boxes with locally available dry grass or straw to provide warm. IVVESTOCKS Livestock Stage PMD (high fever and appearance of the month and folls form on the feeds. Auli stages Provide shafter to be followed Swine Fever Provide shafter to the backwarm feed and water. Right time to deworm with and helenter drugs (particularly Tageworms) vix. Feato Plus @1 | | | | | during clear/dry weather. |
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