

कृषि मौसम सलाहकार सेवा पत्रिका

Agro-met Advisory Bulletin

(Period: 27th to 29th December, 2017)

ग्रामीण कृषि मौसम सेवा



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



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

District: Anjaw

No: 103/2017/Tue

Dated: 26th December, 2017



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

Weather summary of the previous week	Weather forecast valid up to 31 st Dec'2017
No weather summary available	Generally clear/dry weather forecasted. Daily maximum and minimum temperature for the following period is predicted to be 20-21°C and 05-07°C respectively. Expected morning and evening relative humidity will be 78-85% and 17-22% respectively. Wind direction is mainly E and a speed range of 5-8 kmph.
Warning:	<ul style="list-style-type: none">Moderate to dense fog likely to occur at isolated places

Weather Based Agro-meteorological Advisories Bulletin

General Recommendations

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

Crop	Stage	Pest/Disease	Precautionary Practices to be followed
FIELD CROPS			
Mustard	Vegetative	White rust/ Downey mildew	<ul style="list-style-type: none"> Need-based foliar spray of Metalaxyl+Dithane M-45 @ 2.5g/lit at 15 days interval for management of White rust/Downy mildew in mustard
Pea	Vegetative	Cut-worm	<ul style="list-style-type: none"> Regular monitoring of crop against attack of cutworm is advised,
Rice	Harvesting		<ul style="list-style-type: none"> Sun-dry & properly winnow the grains for safe storage. In case of rain delay harvesting
Black Gram & Green Gram	Vegetative	Powdery mildew	<ul style="list-style-type: none"> Need based foliar spray of Sulfex@2g/lit water to control powdery mildew in black/green gram/pea
VEGETABLES			
Cabbage/ Cauliflower/ Knolkhol/ Others	Maturity	Leaf eating caterpillars/ Aphids	<ul style="list-style-type: none"> Light irrigation is essential, In present weather conditions severe attack of leaf eating caterpillars has been reported. Spray Azadirachtin(0.015%) @6ml/litre of water when weather is clear. Spray with neem based pesticides against aphids
Potato	Vegetative	Red Ants/ Late blight	<ul style="list-style-type: none"> Weeding and application of fertilizer as per recommended doses is suggested in potato. Ridge should be properly made, Red Ants: - Drenching with Chlorpyrifos @ 2 ml per litre of water, Foliar spray of Dithane M-45@2.5g/litre of water for management of potato late blight.
HORTICULTURAL CROPS			
Banana	Bunching	Cold	<ul style="list-style-type: none"> 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.
Citrus	Maturity/ harvesting	Fruit Drop Fruit Fly Gummosis	<ul style="list-style-type: none"> Harvest the mature fruit with stalk and store in dry places. Collect & dispose rotten fallen fruits/ install fruit-fly traps Dead wood pruning may be done after harvesting of crop followed by spraying of fungicide, Carbendazim @ 1gm/lit of water. Breakdown the soil collected around the tree trunk
Pineapple	Harvesting/ Sowing		<ul style="list-style-type: none"> Clean the vicinity of plants by weeding and loosen up the soil. After winter harvest, collection/Selection of suckers & slip to be done for next season planting.
Temperate fruits	After harvesting		<ul style="list-style-type: none"> Training & pruning of the temperate crops (apple/pears/peach) is recommended
LIVESTOCKS			
Livestock	Stage	Disease	Precautionary Practices to be followed
Poultry	All stages		<ul style="list-style-type: none"> Day old chick-Maintain warmth by lighting, In present weather conditions protect the birds from cold by using gunny bags/plastic sheets around the poultry shed during night, Provide heat by lighting 100W bulb @ 1 bulb per 20 newly born chicks.
Fishery			<ul style="list-style-type: none"> Keep fish stocking density thin @1200/ha
Pigs	All stages	FMD (high fever and appearance of mucous membrane of the mouth and foot.) Swine Fever	<ul style="list-style-type: none"> Provide proper bedding materials especially to new-born piglets and lukewarm food & water Iron injection within 10 days of birth is advised to newly born piglets if they are kept in confined system Deworm with anti helmentic drugs (particularly Tapeworms) viz. Fento Plus @ 1 tablet per 30 kg body weight In present weather conditions vaccinate against swine fever (Vaccines available in State Veterinary Depts),
Cattle	All stages	FMD	<ul style="list-style-type: none"> Provide proper bedding materials especially to new-born and lukewarm food & water Heavy mortality in cloven footed animals has been reported. Supportive treatment of infected animals under supervision of veterinary department officials, Avoid mixing of infected and healthy animals, Keep infected animals separated from the healthy ones,

			<ul style="list-style-type: none">• Vaccinate the healthy animals against FMD (Through State Veterinary Dept.)• Provide feed supplements
Mithun		FMD	<ul style="list-style-type: none">• Polyvalent FMD vaccine with serotype O, A and Asia at 6 months of age and repeat after that 6 months interval by sub-cutaneous route. Pregnant animals above 7 months of pregnancy should be avoided from vaccination.
Contact Scientists (ICAR) or State Agril Staff or KVK staff for measures against adverse conditions or call at 03795-226237/226247			

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

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(Period: 27th to 29th December, 2017)

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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: Changlang

No: 103/2017/Tue

Dated: 26th December, 2017



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

Weather summary of the previous week	Weather forecast valid up to 31 st Dec'2017
Rainfall = Changlang: 0.0 mm Miao: 0.0 mm	Generally clear/dry weather forecasted. Daily maximum and minimum temperature for the following period is predicted to be 25-27°C and 11-13°C respectively. Expected morning and evening relative humidity will be 82-88% and 14-22% respectively. Wind direction is mainly E & ESE with speed range of 5-6 kmph.
Warning	<ul style="list-style-type: none">Moderate to dense fog likely to occur at isolated places

Weather Based Agro-meteorological Advisories Bulletin

General Recommendations

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

Crop	Stage	Pest/Disease	Precautionary Practices to be followed
FIELD CROPS			
Mustard	Vegetative	White rust/ Downey mildew	<ul style="list-style-type: none">Need-based foliar spray of Metalaxyl+Dithane M-45 @ 2.5g/lit at 15 days interval for management of White rust/Downy mildew in mustard
Rice	Harvesting		<ul style="list-style-type: none">Sun-dry & properly winnow the grains for safe storage.In case of rain delay harvesting
Pea	Vegetative	Cut-worm	<ul style="list-style-type: none">Regular monitoring of crop against attack of cutworm is advised,Spray neem-based insecticides against leaf eating insects
Black Gram & Green Gram	Vegetative	Powdery mildew	<ul style="list-style-type: none">Need based foliar spray of Sulfex@2g/lit water to control powdery mildew in black/green gram/pea
Maize	Harvesting	Rat	<ul style="list-style-type: none">Harvest mature cobs and dry properly before storing.Use locally available traps to control rats menace.
VEGETABLES			
Potato	Vegetative	Red Ants/ Late blight	<ul style="list-style-type: none">Weeding and application of fertilizer as per recommended doses is suggested in potato.Ridge should be properly made,Red Ants: - Drenching with Chlorpyriphos @ 2 ml per litre of water,Foliar spray of Dithane M-45@2.5g/litre of water for management of potato late blight.
Cabbage/ Cauliflower/ Knolkhol/ Others	Maturity	Leaf eating caterpillars/ Aphids	<ul style="list-style-type: none">Light irrigation is essential,In present weather conditions severe attack of leaf eating caterpillars has been reported. Spray Azadirachtin(0.015%) @6ml/litre of water when weather is clear.Spray with neem based pesticides against aphids
Tomato	Fruiting		<ul style="list-style-type: none">Removing side shoots is an important job which prevents the fruits being shaded by leaves.Provide shed to protect from frost
HORTICULTURAL CROPS			
Banana	Bunching	Cold	<ul style="list-style-type: none">Cover newly emerged bunches with locally available sack to protect from cold/frostMulching with straw/crop residue at root zone to avoid frost injury in banana.
Citrus	Maturity/ harvesting	Fruit Drop Fruit Fly Gummosis	<ul style="list-style-type: none">Harvest the mature fruit with stalk and store in dry places.Collect & dispose rotten fallen fruits/ install fruit-fly trapsDead wood pruning may be done after harvesting of crop followed by spraying of fungicide, Carbendazim @ 1gm/lit of water.Breakdown the soil collected around the tree trunk
Pineapple	Sowing		<ul style="list-style-type: none">Clean the vicinity of plants by weeding and loosen up the soil.Remove sly and use it as a new planting material.Sucker dipping treatment with Bavistin @ 3g + Chlorpyriphos 20EC@ 2ml/lt of water to protect against soil borne disease and insect.
Guava	Harvisting	Fruit fly	<ul style="list-style-type: none">Harvest with care and store in dry placesInstall fruit fly pheromone traps for collection and destruction of the adult insects
Large Cardamom	Fruiting	Chirkey Disease	<ul style="list-style-type: none">Remove dry/diseased/old tillers & branches & spray Bio NPK@ 2ml/lit water for proper growth.
Ginger/Turmeric	Vegetative		<ul style="list-style-type: none">Mulching with locally available materials like dry grass/paddy straw recommended to retain soil moisture
Honey Bees			
Honey bees			<ul style="list-style-type: none">Box must be covered with straw/dry leaves to provide warmthProvide sugar syrup
LIVESTOCKS			
Livestock	Stage	Disease	Precautionary Practices to be followed
General			
<ul style="list-style-type: none">Damaged grain (not fungus contaminated) to be diverted for Poultry/livestock feedingClean drinking water should be ensured round the clock and water troughs/feeders should be regularly cleaned,			

Goat	All stages		<ul style="list-style-type: none"> Deworming for gastrointestinal parasite
Pigs	All stages	FMD (high fever and appearance of mucous membrane of the mouth and foot.) Swine Fever	<ul style="list-style-type: none"> Provide proper bedding materials especially to new-born piglets and lukewarm food & water Iron injection within 10 days of birth is advised to newly born piglets if they are kept in confined system Deworm with anti helmentic drugs (particularly Tapeworms) viz. Fento Plus @ 1 tablet per 30 kg body weight In present weather conditions vaccinate against swine fever (Vaccines available in State Veterinary Depts),
Cattle	All stages	FMD	<ul style="list-style-type: none"> Provide proper bedding materials especially to new-born and lukewarm food & water Heavy mortality in cloven footed animals has been reported. Supportive treatment of infected animals under supervision of veterinary department officials, Avoid mixing of infected and healthy animals, Keep infected animals separated from the healthy ones, Vaccinate the healthy animals against FMD (Through State Veterinary Dept.) Provide feed supplements
Poultry	All stages		<ul style="list-style-type: none"> Day old chick-Maintain warmth by lighting, In present weather conditions protect the birds from cold by using gunny bags/plastic sheets around the poultryshed during night, Provide heat by lighting 100W bulb @ 1 bulb per 20 newly born chicks.
Contact Scientists (ICAR) or State Agril Staff or KVK staff for measures against adverse conditions or call at 03795-226237/226247			

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Agrometeorological Field Unit
 ICAR. BASAR

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(Period: 27th to 29th December, 2017)

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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

No: 103/2017/Tue

Dated: 26th December, 2017



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

Weather summary of the previous week	Weather forecast valid up to 31 st Dec'2017
Rainfall = 0.0 mm (Anini)	Generally clear/dry weather forecasted. Daily maximum and minimum temperature for the following period is predicted to be 18-20°C and 05-06°C respectively. Expected morning and evening relative humidity will be 79-87% and 12-23% respectively. Wind direction is mainly SSE & S with speed range of 6-7 kmph.
Warning:	<ul style="list-style-type: none">Moderate to dense fog likely to occur at isolated places

Weather Based Agro-meteorological Advisories Bulletin

General recommendations

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

Crop	Stage	Pest/Disease	Precautionary Practices to be followed
FIELD CROPS			
Rice	Harvesting		<ul style="list-style-type: none"> Sun-dry & properly winnow the grains for safe storage. In case of rain delay harvesting
Black Gram & Green Gram	Vegetative		<ul style="list-style-type: none"> Need based foliar spray of Sulfex@2g/lit water to control powdery mildew in black/green gram/pea
Pea	Vegetative	Leaf eating insects	<ul style="list-style-type: none"> Provide irrigation to plants Mulching with locally available materials like straw/dray grass to retain soil moisture Spray neem-based pesticides against leaf eating insects
Maize	Harvesting	Rat	<ul style="list-style-type: none"> Harvest mature cobs and dry properly before storing Use locally available traps to control rats menace
VEGETABLES			
Potato	Vegetative	Red Ants/ Late blight	<ul style="list-style-type: none"> Weeding and application of fertilizer as per recommended doses is suggested in potato. Ridge should be properly made, Red Ants: - Drenching with Chlorpyriphos @ 2 ml per litre of water, Foliar spray of Dithane M-45@2.5g/litre of water for management of potato late blight.
Cabbage/ Cauliflower/ Knolkhol/ Others	Maturity	Leaf eating caterpillars/ Aphids	<ul style="list-style-type: none"> Light irrigation is essential, In present weather conditions severe attack of leaf eating caterpillars has been reported. Spray Azadirachtin(0.015%) @6ml/litre of water when weather is clear. Spray with neem based pesticides against aphids
Ginger/turmeric	Vegetative stage	Rhizome rot	<ul style="list-style-type: none"> <u>Under excessive moisture, there is every possibility of rhizome rot in ginger and turmeric.</u> <u>To manage the disease, provide adequate drainage and apply <i>Trichoderma harzianum</i> @ 50 g/bed along with FYM/ neem cake.</u> Mulching should be done with locally available mulch, Earthing up of exposed rhizome,
HORTICULTURAL CROPS			
Banana	Bunching	Cold	<ul style="list-style-type: none"> 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.
Temperate fruits	After harvesting		<ul style="list-style-type: none"> Training & pruning of the temperate crops (apple/pears/peach) is recommended
Citrus	Maturity/ harvesting	Fruit Drop Fruit Fly Gummosis	<ul style="list-style-type: none"> Harvest the mature fruit with stalk and store in dry places. Collect & dispose rotten fallen fruits/ install fruit-fly traps Dead wood pruning may be done after harvesting of crop followed by spraying of fungicide, Carbendazim @ 1gm/lit of water. Breakdown the soil collected around the tree trunk
Large Cardamom	Fruiting	Chirkey Disease	<ul style="list-style-type: none"> Remove dry/diseased/old tillers & branches & spray Bio NPK@ 2ml/lit water for proper growth.
Pineapple	Sowing		<ul style="list-style-type: none"> Clean the vicinity of plants by weeding and loosen up the soil. Remove sly and use it as a new planting material. Sucker dipping treatment with Bavistin @ 3g + Chlorpyriphos 20EC@ 2ml/lit of water to protect against soil borne disease and insect.
Honey Bees			
Honey bees			<ul style="list-style-type: none"> Cover the boxes with locally available dry grass or straw to provide warmth
LIVESTOCKS			
Livestock	Stage	Disease	Precautionary Practices to be followed
General			
<ul style="list-style-type: none"> Damaged grain (not fungus contaminated) to be diverted for Poultry/livestock feeding 			

• Clean drinking water should be ensured round 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	<ul style="list-style-type: none"> • Provide proper bedding materials especially to new-born piglets and lukewarm food & water • Iron injection within 10 days of birth is advised to newly born piglets if they are kept in confined system • Deworm with anti helmentic drugs (particularly Tapeworms) viz. Fento Plus @ 1 tablet per 30 kg body weight • In present weather conditions vaccinate against swine fever (Vaccines available in State Veterinary Depts),
Cattle	All stages	FMD	<ul style="list-style-type: none"> • Provide proper bedding materials especially to new-born and lukewarm food & water • Heavy mortality in cloven footed animals has been reported. • Supportive treatment of infected animals under supervision of veterinary department officials, • Avoid mixing of infected and healthy animals, • Keep infected animals separated from the healthy ones, • Vaccinate the healthy animals against FMD (Through State Veterinary Dept.) • Provide feed supplements
Poultry	All stages		<ul style="list-style-type: none"> • Day old chick-Maintain warmth by lighting, • In present weather conditions protect the birds from cold by using gunny bags/plastic sheets around the poultryshed during night, • Provide heat by lighting 100W bulb @ 1 bulb per 20 newly born chicks.
Mithun		FMD	<ul style="list-style-type: none"> • Polyvalent FMD vaccine with serotype O, A and Asia at 6 months of age and repeat after that 6 months interval by sub-cutaneous route. • Pregnant animals above 7 months of pregnancy should be avoided.
Contact Scientists (ICAR) or State Agril Staff or KVK staff for measures against adverse conditions or call at 03795-226237/226247			

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(Period: 27th to 29th December, 2017)

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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: East Kameng

No: 103/2017/Tue

Dated: 26th December, 2017



Weather summary of the previous week	Weather forecast valid up to 31 st Dec'2017
Rainfall = 0.0 mm	Generally clear/dry weather forecasted. Daily maximum and minimum temperature for the following period is predicted to be 23-25°C and 10-11°C respectively. Expected morning and evening relative humidity will be 84-85% and 19-23% respectively. Expected wind direction is mainly SE with speed range of 5 kmph.
Warning:	<ul style="list-style-type: none"> Moderate to dense fog likely to occur at isolated places

Weather Based Agro-meteorological Advisories Bulletin

General Recommendations

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

Crop	Stage	Pest/Disease	Precautionary Practices to be followed
FIELD CROPS			
Mustard	Vegetative	White rust/ Downey mildew	<ul style="list-style-type: none"> Need-based foliar spray of Metalaxyl+Dithane M-45 @ 2.5g/lit at 15 days interval for management of White rust/Downy mildew in mustard
Rice	Harvesting		<ul style="list-style-type: none"> Sun-dry & properly winnow the grains for safe storage. In case of rain delay harvesting
Black Gram & Green Gram	Vegetative		<ul style="list-style-type: none"> Need based foliar spray of Sulfex@2g/lit water to control powdery mildew in black/green gram/pea
Pea	Sowing		<ul style="list-style-type: none"> Treat pea with rhizobium@2gm/kg seed before sowing or treat with carbendazim @ 2g/kg seed before sowing Provide irrigation to plants Complete sowing by 1st fortnight of Nov. for better yield
Soybean	Harvesting		<ul style="list-style-type: none"> Immediately harvest soybean & thoroughly dry in sun.
Pulses	Vegetative		<ul style="list-style-type: none"> irrigation and weeding advocated
VEGETABLES			
Potato	Vegetative	Red Ants/ Late blight	<ul style="list-style-type: none"> Weeding and application of fertilizer as per recommended doses is suggested in potato. Ridge should be properly made, Red Ants: - Drenching with Chlorpyrifos @ 2 ml per litre of water, Foliar spray of Dithane M-45@2.5g/litre of water for management of potato late blight.
Cabbage/ Cauliflower/ Knolkhol/ Others	Maturity	Leaf eating caterpillars/ Aphids	<ul style="list-style-type: none"> Light irrigation is essential, In present weather conditions severe attack of leaf eating caterpillars has been reported. Spray Azadirachtin(0.015%) @6ml/litre of water when weather is clear. Spray with neem based pesticides against aphids
HORTICULTURAL CROPS			
Banana	Bunching	Cold	<ul style="list-style-type: none"> 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.
Citrus	Maturity/ harvesting	Fruit Drop Fruit Fly Gummosis	<ul style="list-style-type: none"> Harvest the mature fruit with stalk and store in dry places. Collect & dispose rotten fallen fruits/ install fruit-fly traps Dead wood pruning may be done after harvesting of crop followed by spraying of fungicide, Carbendazim @ 1gm/lit of water. Breakdown the soil collected around the tree trunk
Large Cardamom	Flowering stage	Chirkey Disease (fungal infection) & Chirke and Foorkey (virus infection)	<ul style="list-style-type: none"> Mulching with locally available materials like dry grass/paddy straw recommended Remove diseased part & keep inflorescence clean. Uproot & burn virus infected plants
Pineapple	Active vegetative		<ul style="list-style-type: none"> Mulching with locally available materials like dry grass/paddy straw recommended Remove excess suckers to increase fruit size and improve quality.
Ginger/Turmeric	Seedling		<ul style="list-style-type: none"> Mulching with locally available materials like dry grass/paddy straw recommended Proper drainage to be done and avoid water stagnation Earthing up of ginger/turmeric along with basal application of required fertilizer should be done
Orchards			<ul style="list-style-type: none"> Prepare half moon terraces in fruit crops (orange/banana/apple/peach) grown in steep slopes to prevent nutrient loss during heavy downpour. Follow proper drainage and earthing up practices in low land/plain areas to avoid water stagnation in fruit orchards
Agroforestry			
Toko palm	Nursery		Filling of nursery polybags for raising of takopalm seedlings

LIVESTOCKS			
Livestock	Stage	Disease	Precautionary Practices to be followed
General <ul style="list-style-type: none">Damaged grain (not fungus contaminated) to be diverted for Poultry/livestock feedingClean drinking water should be ensured round 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	<ul style="list-style-type: none">Iron injection within 10 days of birth is advised to newly born piglets if they are kept in confined systemDeworm with anti helmetic drugs (particularly Tapeworms) viz. Fento Plus @ 1 tablet per 30 kg body weight In present weather conditions vaccinate against swine fever (Vaccines available in State Veterinary Depts),
Poultry	All stages		<ul style="list-style-type: none">Day old chick-Maintain warmth by lighting,In present weather conditions protect the birds from cold by using gunny bags/plastic sheets around the poultryshed during night,Provide heat by lighting 100W bulb @ 1 bulb per 20 newly born chicks.
Cattle	All stages	FMD	<ul style="list-style-type: none">Heavy mortality in cloven footed animals has been reported.Supportive treatment of infected animals under supervision of veterinary department officials,Avoid mixing of infected and healthy animals,Keep infected animals separated from the healthy ones,Vaccinate the healthy animals against FMD (Through State Veterinary Dept.)Provide feed supplements
Fishery			<ul style="list-style-type: none">Application of quick lime is highly recommended in order to rectify water pH.Application of fish feed (mustard oil cake) is essential for achieving higher yield
Mithun		FMD	<ul style="list-style-type: none">Polyvalent FMD vaccine with serotype O, A and Asia at 6 months of age and repeat after that 6 months interval by sub-cutaneous route.Pregnant animals above 7 months of pregnancy should be avoided.
Contact Scientists (ICAR) or State Agril Staff or KVK staff for measures against adverse conditions or call at 03795-226237/226247			

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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: East Siang

No: 103/2017/Tue

Dated: 26th December, 2017



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

Weather summary of the previous week	Weather forecast valid up to 31 st Dec'2017
Rainfall: 0.0 mm; T. Max: 26.0°C; T. Min: 16.0°C ; RH: 57-77%	Generally clear/dry weather forecasted. Daily maximum and minimum temperature for the following period is predicted to be 25-26°C and 11-12°C respectively. Expected morning and evening relative humidity will be 71-75% and 18-22% respectively. Expected wind direction is mainly S with speed range of 5-6 kmph.
Warning:	<ul style="list-style-type: none">Moderate to dense fog likely to occur at isolated places

Weather Based Agro-meteorological Advisories Bulletin

General Recommendations

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

Crop	Stage	Pest/Disease	Precautionary Practices to be followed
FIELD CROPS			
Rice	Harvesting		<ul style="list-style-type: none"> Sun-dry & properly winnow the grains for safe storage. In case of rain delay harvesting
Mustard	Vegetative	White rust/ Downey mildew	<ul style="list-style-type: none"> Need-based foliar spray of Metalaxyl+Dithane M-45 @ 2.5g/lit at 15 days interval for management of White rust/Downy mildew in mustard
Black Gram & Green Gram	Vegetative		<ul style="list-style-type: none"> Need based foliar spray of Sulfex@2g/lit water to control powdery mildew in black/green gram/pea
Pea	Vegetative	Leaf eating insects	<ul style="list-style-type: none"> Provide irrigation to plants Mulching with locally available materials like straw/dray grass to retain soil moisture Spray neem-based pesticides against leaf eating insects
Maize	Harvesting	Rat	<ul style="list-style-type: none"> Harvest mature cobs and dry properly before storing Use locally available traps to control rats menace
VEGETABLES			
Potato	Vegetative	Red Ants/ Late blight	<ul style="list-style-type: none"> Weeding and application of fertilizer as per recommended doses is suggested in potato. Ridge should be properly made, Red Ants: - Drenching with Chlorpyriphos @ 2 ml per litre of water, Foliar spray of Dithane M-45@2.5g/litre of water for management of potato late blight.
Cabbage/ Cauliflower/ Knolkhol/ Others	Maturity	Leaf eating caterpillars/ Aphids	<ul style="list-style-type: none"> Light irrigation is essential, In present weather conditions severe attack of leaf eating caterpillars has been reported. Spray Azadirachtin(0.015%) @6ml/litre of water when weather is clear. Spray with neem based pesticides against aphids
Ginger/turmeric	Vegetative stage	Rhizome rot	<ul style="list-style-type: none"> <u>Under excessive moisture, there is every possibility of rhizome rot in ginger and turmeric.</u> <u>To manage the disease, provide adequate drainage and apply Trichoderma harzianum @ 50 g/bed along with FYM/ neem cake.</u> Mulching should be done with locally available mulch, Earthing up of exposed rhizome,
HORTICULTURAL CROPS			
Citrus	Maturity/ harvesting	Fruit Drop Fruit Fly Gummosis	<ul style="list-style-type: none"> Harvest the mature fruit with stalk and store in dry places. Collect & dispose rotten fallen fruits/ install fruit-fly traps Dead wood pruning may be done after harvesting of crop followed by spraying of fungicide, Carbendazim @ 1gm/lit of water. Breakdown the soil collected around the tree trunk
Banana	All stages	Sigatoka Leaf spot	<ul style="list-style-type: none"> 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
Kiwi	Harvesting		<ul style="list-style-type: none"> Should be harvested by snapping their stalks Fruit should be stored boxes containing cushioning materials and transported to the market in hard condition.
Pineapple	Sowing		<ul style="list-style-type: none"> Clean the vicinity of plants by weeding and loosen up the soil. Remove sly and use it as a new planting material. Sucker dipping treatment with Bavistin @ 3g + Chlorpyriphos 20EC@ 2ml/lit of water to protect against soil borne disease and insect.
Ginger/Turmeric	Vegetative		<ul style="list-style-type: none"> Mulching with locally available materials like dry grass/paddy straw recommended Earthing up of ginger/turmeric along with basal application of required fertilizer should be done
Honey Bees			
Honey bees			<ul style="list-style-type: none"> Cover the boxes with locally available dry grass or straw to provide warmth

LIVESTOCKS			
Livestock	Stage	Disease	Precautionary Practices to be followed
General			
<ul style="list-style-type: none">Damaged grain (not fungus contaminated) to be diverted for Poultry/livestock feedingClean drinking water should be ensured round 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	<ul style="list-style-type: none">Provide proper bedding materials especially to new-born piglets and lukewarm food & waterIron injection within 10 days of birth is advised to newly born piglets if they are kept in confined systemDeworm with anti helmentic drugs (particularly Tapeworms) viz. Fento Plus @ 1 tablet per 30 kg body weightIn present weather conditions vaccinate against swine fever (Vaccines available in State Veterinary Depts),
Cattle	All stages	FMD	<ul style="list-style-type: none">Provide proper bedding materials especially to new-born and lukewarm food & waterHeavy mortality in cloven footed animals has been reported.Supportive treatment of infected animals under supervision of veterinary department officials,Avoid mixing of infected and healthy animals,Keep infected animals separated from the healthy ones,Vaccinate the healthy animals against FMD (Through State Veterinary Dept.)Provide feed supplements
Poultry	All stages		<ul style="list-style-type: none">Day old chick-Maintain warmth by lighting,In present weather conditions protect the birds from cold by using gunny bags/plastic sheets around the poultryshed during night,Provide heat by lighting 100W bulb @ 1 bulb per 20 newly born chicks.
Mithun		FMD	<ul style="list-style-type: none">Polyvalent FMD vaccine with serotype O, A and Asia at 6 months of age and repeat after that 6 months interval by sub-cutaneous route.Pregnant animals above 7 months of pregnancy should be avoided.
Contact Scientists (ICAR) or State Agril Staff or KVK staff for measures against adverse conditions or call at 03795-226237/226247			

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

कृषि मौसम सलाहकार सेवा पत्रिका

Agro-met Advisory Bulletin

(Period: 27th to 29th December, 2017)

ग्रामीण कृषि मौसम सेवा



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



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

District: Kurung Kumey

No: 103/2017/Tue

Dated: 26th December, 2017



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

Weather summary of the previous week	Weather forecast valid up to 31 st Dec'2017
Past weather summary not available	Mostly sunny to cloudy with possibility of light rainfall forecasted.. Daily maximum and minimum temperature for the following period is predicted to be 18-19°C and 07-08°C respectively. Expected morning and evening relative humidity will be 71-82% and 26-40% respectively. Wind direction is mainly SE & SSE with wind speed range of 6-7 kmph.
Warning	Moderate to dense fog likely to occur at isolated places

Weather Based Agro-meteorological Advisories Bulletin

General Recommendations

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

Crop	Stage	Pest/Disease	Precautionary Practices to be followed
FIELD CROPS			
Rice	Harvesting		<ul style="list-style-type: none"> Sun-dry & properly winnow the grains for safe storage.
Black Gram & Green Gram	Vegetative		<ul style="list-style-type: none"> Need based foliar spray of Sulfex@2g/lit water to control powdery mildew in black/green gram/pea
Maize	Harvesting	Rat	<ul style="list-style-type: none"> Harvest mature cobs and dry properly before storing Use locally available traps to control rats menace
Jhum rice	Harvesting		<ul style="list-style-type: none"> Immediate harvesting of left-over rice advocated Proper sun drying before storage.
VEGETABLES			
Potato	Vegetative	Red Ants/ Late blight	<ul style="list-style-type: none"> Weeding and application of fertilizer as per recommended doses is suggested in potato. Ridge should be properly made, Red Ants: - Drenching with Chlorpyriphos @ 2 ml per litre of water, Foliar spray of Dithane M-45@2.5g/litre of water for management of potato late blight.
Cabbage/ Cauliflower/ Knolkhol/ Others	Maturity	Leaf eating caterpillars/ Aphids	<ul style="list-style-type: none"> Light irrigation is essential, In present weather conditions severe attack of leaf eating caterpillars has been reported. Spray Azadirachtin(0.015%) @6ml/litre of water when weather is clear. Spray with neem based pesticides against aphids
HORTICULTURAL CROPS			
Banana	Bunching	Cold	<ul style="list-style-type: none"> 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.
Peach	Post-harvesting		<ul style="list-style-type: none"> Training & pruning of diseased/criss-cross branches to harvest more solar energy & for proper growth.
Citrus	Maturity/ harvesting	Fruit Drop Fruit Fly Gummosis	<ul style="list-style-type: none"> Harvest the mature fruit with stalk and store in dry places. Collect & dispose rotten fallen fruits/ install fruit-fly traps Dead wood pruning may be done after harvesting of crop followed by spraying of fungicide, Carbendazim @ 1gm/lit of water. Breakdown the soil collected around the tree trunk
Kiwi	Harvesting		<ul style="list-style-type: none"> Should be harvested by snapping their stalks Fruit should be stored boxes containing cushioning materials and transported to the market in hard condition.
Pineapple	Sowing		<ul style="list-style-type: none"> Clean the vicinity of plants by weeding and loosen up the soil. Remove sly and use it as a new planting material. Sucker dipping treatment with Bavistin @ 3g + Chlorpyriphos 20EC@ 2ml/lt of water to protect against soil borne disease and insect.
Large Cardamom	Fruiting	Chirkey Disease	<ul style="list-style-type: none"> Remove dry/diseased/old tillers & branches & spray Bio NPK@ 2ml/lit water for proper growth.
Ginger/Turmeric	Vegetative		<ul style="list-style-type: none"> Proper drainage to be done and avoid water stagnation Earthing up of ginger/turmeric along with basal application of required fertilizer should be done
Honey Bees			
			<ul style="list-style-type: none"> Box must be covered with straw/dry leaves to provide warmth
LIVESTOCKS			
General			
<ul style="list-style-type: none"> Damaged grain (not fungus contaminated) to be diverted for Poultry/livestock feeding Clean drinking water should be ensured round the clock and water troughs/feeders should be regularly cleaned, 			
Livestock	Stage	Disease	Precautionary Practices to be followed
Pigs	All stages	FMD (high fever and appearance of mucous membrane of the mouth and foot.) Swine Fever	<ul style="list-style-type: none"> Provide proper bedding materials especially to new-born piglets and lukewarm food & water Iron injection within 10 days of birth is advised to newly born piglets if they are kept in confined system Deworm with anti helmetic drugs (particularly Tapeworms) viz. Fento Plus @ 1 tablet per 30 kg body weight

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

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Agrometeorological Field Unit
 ICAR, BASAR

कृषि मौसम सलाहकार सेवा पत्रिका

Agro-met Advisory Bulletin

(Period: 27th to 29th December, 2017)

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: 103/2017/Tue

Dated: 26th December, 2017



Weather summary of the previous week	Weather forecast valid up to 31 st Dec'2017
Rainfall = 0.0 mm	Generally clear/dry weather forecasted. Daily maximum and minimum temperature for the following period is predicted to be 23-25°C and 10-11°C respectively. Expected morning and evening relative humidity will be 84-85% and 19-23% respectively. Wind direction is mainly SE with speed range of 5 kmph.
Warning:	<ul style="list-style-type: none">Moderate to dense fog likely to occur at isolated places

Weather Based Agro-meteorological Advisories Bulletin

General Recommendations

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

Crop	Stage	Pest/Disease	Precautionary Practices to be followed
FIELD CROPS			
Mustard	Vegetative	White rust/ Downey mildew	<ul style="list-style-type: none"> Need-based foliar spray of Metalaxyl+Dithane M-45 @ 2.5g/lit at 15 days interval for management of White rust/Downy mildew in mustard
Rice	Harvesting		<ul style="list-style-type: none"> Sun-dry & properly winnow the grains for safe storage. In case of rain delay harvesting
Black Gram & Green Gram	Vegetative		<ul style="list-style-type: none"> Need based foliar spray of Sulfex@2g/lit water to control powdery mildew in black/green gram/pea
Pea	Vegetative	Leaf eating insects	<ul style="list-style-type: none"> Provide irrigation to plants Mulching with locally available materials like straw/dry grass to retain soil moisture Spray neem-based pesticides against leaf eating insects
Maize	Harvesting	Rat	<ul style="list-style-type: none"> Harvest mature cobs and dry properly before storing Use locally available traps to control rats menace
VEGETABLES			
Potato	Vegetative	Red Ants/ Late blight	<ul style="list-style-type: none"> Weeding and application of fertilizer as per recommended doses is suggested in potato. Ridge should be properly made, Red Ants: - Drenching with Chlorpyrifos @ 2 ml per litre of water, Foliar spray of Dithane M-45@2.5g/litre of water for management of potato late blight.
Cabbage/ Cauliflower/ Knolkhol/ Others	Maturity	Leaf eating caterpillars/ Aphids	<ul style="list-style-type: none"> Light irrigation is essential, In present weather conditions severe attack of leaf eating caterpillars has been reported. Spray Azadirachtin(0.015%) @6ml/litre of water when weather is clear. Spray with neem based pesticides against aphids
Ginger/turmeric	Vegetative stage	Rhizome rot	<ul style="list-style-type: none"> <u>Under excessive moisture, there is every possibility of rhizome rot in ginger and turmeric.</u> <u>To manage the disease, provide adequate drainage and apply <i>Trichoderma harzianum</i> @ 50 g/bed along with FYM/ neem cake.</u> Mulching should be done with locally available mulch, Earthing up of exposed rhizome,
HORTICULTURAL CROPS			
Citrus	Maturity/ harvesting	Fruit Drop Fruit Fly Gummosis	<ul style="list-style-type: none"> Harvest the mature fruit with stalk and store in dry places. Collect & dispose rotten fallen fruits/ install fruit-fly traps Dead wood pruning may be done after harvesting of crop followed by spraying of fungicide, Carbendazim @ 1gm/lit of water. Breakdown the soil collected around the tree trunk
Large Cardamom	Fruiting	Chirkey Disease	<ul style="list-style-type: none"> Remove dry/diseased/old tillers & branches & spray Bio NPK @ 2ml/lit water for proper growth.
Banana	All stages	Sigatoka Leaf spot	<ul style="list-style-type: none"> 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
Kiwi	Harvesting		<ul style="list-style-type: none"> Should be harvested by snapping their stalks Fruit should be stored boxes containing cushioning materials and transported to the market in hard condition.
Pineapple	Sowing		<ul style="list-style-type: none"> Clean the vicinity of plants by weeding and loosen up the soil. Remove sly and use it as a new planting material. Sucker dipping treatment with Bavistin @ 3g + Chlorpyrifos 20EC @ 2ml/lit of water to protect against soil borne disease and insect.
Ginger/Turmeric	Vegetative		<ul style="list-style-type: none"> Mulching with locally available materials like dry grass/paddy straw recommended Earthing up of ginger/turmeric along with basal application of required fertilizer should be done
Honey Bees			
Honey bees			<ul style="list-style-type: none"> Cover the boxes with locally available dry grass or straw to

			provide warmth
LIVESTOCKS			
Livestock	Stage	Disease	Precautionary Practices to be followed
General <ul style="list-style-type: none"> Damaged grain (not fungus contaminated) to be diverted for Poultry/livestock feeding Clean drinking water should be ensured round 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	<ul style="list-style-type: none"> Provide proper bedding materials especially to new-born piglets and lukewarm food & water Iron injection within 10 days of birth is advised to newly born piglets if they are kept in confined system Deworm with anti helmentic drugs (particularly Tapeworms) viz. Fento Plus @ 1 tablet per 30 kg body weight In present weather conditions vaccinate against swine fever (Vaccines available in State Veterinary Depts),
Cattle	All stages	FMD	<ul style="list-style-type: none"> Provide proper bedding materials especially to new-born and lukewarm food & water Heavy mortality in cloven footed animals has been reported. Supportive treatment of infected animals under supervision of veterinary department officials, Avoid mixing of infected and healthy animals, Keep infected animals separated from the healthy ones, Vaccinate the healthy animals against FMD (Through State Veterinary Dept.) Provide feed supplements
Poultry	All stages		<ul style="list-style-type: none"> Day old chick-Maintain warmth by lighting, In present weather conditions protect the birds from cold by using gunny bags/plastic sheets around the poultryshed during night, Provide heat by lighting 100W bulb @ 1 bulb per 20 newly born chicks.
Mithun		FMD	<ul style="list-style-type: none"> Polyvalent FMD vaccine with serotype O, A and Asia at 6 months of age and repeat after that 6 months interval by sub-cutaneous route. Pregnant animals above 7 months of pregnancy should be avoided.
Contact Scientists (ICAR) or State Agril Staff or KVK staff for measures against adverse conditions or call at 03795-226237/226247			

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Agrometeorological Field Unit
 ICAR, BASAR

कृषि मौसम सलाहकार सेवा पत्रिका

Agro-met Advisory Bulletin

(Period: 27th to 29th December, 2017)

ग्रामीण कृषि मौसम सेवा

GRAMIN KRISHI MAUSAM SEWA

(Integrated Agro-Meteorological Advisory Services)



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

District: Lower Dibang Valley

No: 103/2017/Tue

Dated: 26th December, 2017



Weather summary of the previous week	Weather forecast valid up to 31 st Dec'2017
Rainfall = 0.0 mm (Roing)	Generally clear/dry weather forecasted. Daily maximum and minimum temperature for the following period is predicted to be 23-25°C and 10-11°C respectively. Expected morning and evening relative humidity will be 84-85% and 19-23% respectively. Wind direction is mainly SE with speed range of 5 kmph.
Warning:	<ul style="list-style-type: none">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

Crop	Stage	Pest/Disease	Precautionary Practices to be followed
FIELD CROPS			
Rice	Harvesting		<ul style="list-style-type: none"> Sun-dry & properly winnow the grains for safe storage.
Mustard	Vegetative	White rust/ Downey mildew	<ul style="list-style-type: none"> Need-based foliar spray of Metalaxyl+Dithane M-45 @ 2.5g/lit at 15 days interval for management of White rust/Downy mildew in mustard
Black Gram & Green Gram	Vegetative		<ul style="list-style-type: none"> Need based foliar spray of Sulfex@2g/lit water to control powdery mildew in black/green gram/pea
Pea	Vegetative	Leaf-eating insects	<ul style="list-style-type: none"> Provide irrigation to plants Spray neem-based insecticides against leaf eating insects
Soybean	Harvesting		<ul style="list-style-type: none"> Harvest soybean & thoroughly dry in sun.
Maize	Harvesting	Rat	<ul style="list-style-type: none"> Harvest mature cobs and dry properly before storing Use locally available traps to control rats menace
VEGETABLES			
Potato	Vegetative	Red Ants/ Late blight	<ul style="list-style-type: none"> Weeding and application of fertilizer as per recommended doses is suggested in potato. Ridge should be properly made, Red Ants: - Drenching with Chlorpyriphos @ 2 ml per litre of water, Foliar spray of Dithane M-45@2.5g/litre of water for management of potato late blight.
Cabbage/ Cauliflower/ Knolkhol/ Others	Maturity	Leaf eating caterpillars/ Aphids	<ul style="list-style-type: none"> Light irrigation is essential, In present weather conditions severe attack of leaf eating caterpillars has been reported. Spray Azadirachtin(0.015%) @6ml/litre of water when weather is clear. Spray with neem based pesticides against aphids
HORTICULTURAL CROPS			
Large Cardamom	Fruiting	Chirkey Disease	<ul style="list-style-type: none"> Remove dry/diseased/old tillers & branches & spray Bio NPK@ 2ml/lit water for proper growth.
Citrus	Maturity/ harvesting	Fruit Drop Fruit Fly Gummosis	<ul style="list-style-type: none"> Harvest the mature fruit with stalk and store in dry places. Collect & dispose rotten fallen fruits/ install fruit-fly traps Dead wood pruning may be done after harvesting of crop followed by spraying of fungicide, Carbendazim @ 1gm/lit of water. Breakdown the soil collected around the tree trunk
Banana	Multiple stages	Sigatoka Leaf spot	<ul style="list-style-type: none"> 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
Pineapple	Sowing		<ul style="list-style-type: none"> Clean the vicinity of plants by weeding and loosen up the soil. Remove sly and use it as a new planting material. Sucker dipping treatment with Bavistin @ 3g + Chlorpyriphos 20EC@ 2ml/lt of water to protect against soil borne disease and insect.
Orchards			<ul style="list-style-type: none"> Prepare half moon terraces in fruit crops (orange/banana/apple/peach) grown in steep slopes to prevent nutrient loss during heavy downpour. Follow proper drainage and earthing up practices in low land/plain areas to avoid water stagnation in fruit orchards
Honey Bees			
Honey bees			<ul style="list-style-type: none"> Box must be covered with straw/dry leaves to provide warmth
LIVESTOCKS			
Livestock	Stage	Disease	Precautionary Practices to be followed
General <ul style="list-style-type: none"> Damaged grain (not fungus contaminated) to be diverted for Poultry/livestock feeding Clean drinking water should be ensured round 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	<ul style="list-style-type: none">• Iron injection within 10 days of birth is advised to newly born piglets if they are kept in confined system• Deworm with anti helmetic drugs (particularly Tapeworms) viz. Fento Plus @ 1 tablet per 30 kg body weight In present weather conditions vaccinate against swine fever (Vaccines available in State Veterinary Depts),
Poultry	All stages		<ul style="list-style-type: none">• Day old chick-Maintain warmth by lighting,• In present weather conditions protect the birds from cold by using gunny bags/plastic sheets around the poultry shed during night,• Provide heat by lighting 100W bulb @ 1 bulb per 20 newly born chicks.
Cattle	All stages	FMD	<ul style="list-style-type: none">• Heavy mortality in cloven footed animals has been reported.• Supportive treatment of infected animals under supervision of veterinary department officials,• Avoid mixing of infected and healthy animals,• Keep infected animals separated from the healthy ones,• Vaccinate the healthy animals against FMD (Through State Veterinary Dept.)• Provide feed supplements
Goat	All stages		<ul style="list-style-type: none">• Deworming for gastrointestinal parasite
Contact Scientists (ICAR) or State Agril Staff or KVK staff for measures against adverse conditions or call at 03795-226237/226247			

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ICAR, BASAR

कृषि मौसम सलाहकार सेवा पत्रिका

Agro-met Advisory Bulletin

(Period: 27th to 29th December, 2017)

ग्रामीण कृषि मौसम सेवा

GRAMIN KRISHI MAUSAM SEWA

(Integrated Agro-Meteorological Advisory Services)



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

District: Lower Subansiri

No: 103/2017/Tue

Dated: 26th December, 2017



Weather summary of the previous week	Weather forecast valid up to 31 st Dec'2017
Rainfall = NA	Generally clear/dry weather forecasted. Daily maximum and minimum temperature for the following period is predicted to be 23-25°C and 10-11°C respectively. Expected morning and evening relative humidity will be 84-85% and 19-23% respectively. Wind direction is mainly SE & SSE with speed range of 5 kmph.
Warning:	<ul style="list-style-type: none">Moderate to dense fog likely to occur at isolated places

Weather Based Agro-meteorological Advisories Bulletin

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

Crop	Stage	Pest/Disease	Precautionary Practices to be followed
FIELD CROPS			
Pea	Sowing		<ul style="list-style-type: none">• Treat pea with rhizobium@2gm/kg seed before sowing or treat with carbendazim @ 2g/kg seed before sowing• Provide irrigation to plants• Complete sowing by 1st fortnight of Nov. for better yield
Soybean	Harvesting		<ul style="list-style-type: none">• Immediately harvest soybean & thoroughly dry in sun.
Rice	Maturity/ Harvesting	Gundhi bug/ leaf folder/ rice skipper	<ul style="list-style-type: none">• harvest the mature crop• proper sun-drying before storag
Maize	Harvesting	Rat	<ul style="list-style-type: none">• Harvest mature cobs and dry properly before storing• Use locally available traps to control rats menace
Pulses	Vegetative	Blister beetle	<ul style="list-style-type: none">• irrigation and weeding advocated
VEGETABLES			
Potato	Vegetative	Red Ants/ Late blight	<ul style="list-style-type: none">• Weeding and application of fertilizer as per recommended doses is suggested in potato.• Ridge should be properly made,• Red Ants: - Drenching with Chlorpyriphos @ 2 ml per litre of water,• Foliar spray of Dithane M-45@2.5g/litre of water for management of potato late blight.
Cabbage/ Cauliflower/ Knolkhol/ Others	Maturity	Leaf eating caterpillars/ Aphids	<ul style="list-style-type: none">• Light irrigation is essential,• In present weather conditions severe attack of leaf eating caterpillars has been reported. Spray Azadirachtin(0.015%) @6ml/litre of water when weather is clear.• Spray with neem based pesticides against aphids
HORTICULTURAL CROPS			
Banana	Bunching	Cold	<ul style="list-style-type: none">• 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.
Temperate fruits	After harvesting		<ul style="list-style-type: none">• Training & pruning of the temperate crops (apple/pears/peach) is recommended
Citrus	Maturity/ harvesting	Fruit Drop Fruit Fly Gummosis	<ul style="list-style-type: none">• Harvest the mature fruit with stalk and store in dry places.• Collect & dispose rotten fallen fruits/ install fruit-fly traps• Dead wood pruning may be done after harvesting of crop followed by spraying of fungicide, Carbendazim @ 1gm/lit of water.• Breakdown the soil collected around the tree trunk
Pineapple	Sowing		<ul style="list-style-type: none">• Clean the vicinity of plants by weeding and loosen up the soil.• Remove sly and use it as a new planting material.• Sucker dipping treatment with Bavistin @ 3g + Chlorpyriphos 20EC@ 2ml/lt of water to protect against soil borne disease and insect.
Guava	Fruit Development	Fruit fly	<ul style="list-style-type: none">• Basin cleaning and manuring• Install fruit fly pheromone traps for collection and destruction of the adult insects
Large Cardamom	Fruiting	Chirkey Disease	<ul style="list-style-type: none">• Remove dry/diseased/old tillers & branches & spray Bio NPK@ 2ml/lit water for proper growth.
Ginger/Turmeric	Seedling		<ul style="list-style-type: none">• Mulching with locally available materials like dry grass/paddy straw recommended• Proper drainage to be done and avoid water stagnation•
Orchards			<ul style="list-style-type: none">• Prepare half moon terraces in fruit crops (orange/banana/apple/peach) grown in steep slopes to prevent nutrient loss during heavy downpour.• Follow proper drainage and earthing up practices in low land/plain areas to avoid water stagnation in fruit orchards
Agroforestry			
Toko palm	Nursery		Filling of nursery polybags for raising of takopalm seedlings
Honey Bees			

Honey bees			<ul style="list-style-type: none"> Box must be covered with straw/dry leaves to provide warmth
LIVESTOCKS			
Livestock	Stage	Disease	Precautionary Practices to be followed
General <ul style="list-style-type: none"> Damaged grain (not fungus contaminated) to be diverted for Poultry/livestock feeding Clean drinking water should be ensured round 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	<ul style="list-style-type: none"> Provide proper bedding materials especially to new-born piglets and lukewarm food & water Iron injection within 10 days of birth is advised to newly born piglets if they are kept in confined system Deworm with anti helmetic drugs (particularly Tapeworms) viz. Fento Plus @ 1 tablet per 30 kg body weight In present weather conditions vaccinate against swine fever (Vaccines available in State Veterinary Depts),
Cattle	All stages	FMD	<ul style="list-style-type: none"> Provide proper bedding materials especially to new-born and lukewarm food & water Heavy mortality in cloven footed animals has been reported. Supportive treatment of infected animals under supervision of veterinary department officials, Avoid mixing of infected and healthy animals, Keep infected animals separated from the healthy ones, Vaccinate the healthy animals against FMD (Through State Veterinary Dept.) Provide feed supplements
Poultry	All stages		<ul style="list-style-type: none"> Day old chick-Maintain warmth by lighting, In present weather conditions protect the birds from cold by using gunny bags/plastic sheets around the poultryshed during night, Provide heat by lighting 100W bulb @ 1 bulb per 20 newly born chicks.
Mithun		FMD	<ul style="list-style-type: none"> Polyvalent FMD vaccine with serotype O, A and Asia at 6 months of age and repeat after that 6 months interval by sub-cutaneous route. Pregnant animals above 7 months of pregnancy should be avoided.
Contact Scientists (ICAR) or State Agril Staff or KVK staff for measures against adverse conditions or call at 03795-226237/226247			

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Agrometeorological Field Unit
 ICAR. BASAR

कृषि मौसम सलाहकार सेवा पत्रिका

Agro-met Advisory Bulletin

(Period: 27th to 29th December, 2017)

ग्रामीण कृषि मौसम सेवा

GRAMIN KRISHI MAUSAM SEWA

(Integrated Agro-Meteorological Advisory Services)



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

District: Papum Pare

No: 103/2017/Tue

Dated: 26th December, 2017



Weather summary of the previous week	Weather forecast valid up to 31 st Dec'2017
Rainfall: 0.0 mm; T. Max: 29.0°C; T. Min: 13.0°C ; RH: 61-81%	Generally clear/dry weather forecasted. Daily maximum and minimum temperature for the following period is predicted to be 25-27°C and 11-13°C respectively. Expected morning and evening relative humidity will be 82-88% and 14-22% respectively. Expected wind direction mainly ESE with speed range of 5-6 kmph.
Warning:	<ul style="list-style-type: none">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

Crop	Stage	Pest/Disease	Precautionary Practices to be followed
FIELD CROPS			
Mustard	Vegetative	White rust/ Downey mildew	<ul style="list-style-type: none"> Need-based foliar spray of Metalaxyl+Dithane M-45 @ 2.5g/lit at 15 days interval for management of White rust/Downy mildew in mustard
Rice	Harvesting		<ul style="list-style-type: none"> Sun-dry & properly winnow the grains for safe storage.
Black Gram & Green Gram	Vegetative		<ul style="list-style-type: none"> Need based foliar spray of Sulfex@2g/lit water to control powdery mildew in black/green gram/pea
Pea	Vegetative	Leaf-eating insects	<ul style="list-style-type: none"> Provide irrigation to plants Spray neem-based insecticides against leaf eating insects
Soybean	Harvesting		<ul style="list-style-type: none"> Immediately harvest soybean & thoroughly dry in sun.
Maize	Harvesting	Rat	<ul style="list-style-type: none"> Harvest mature cobs and dry properly before storing Use locally available traps to control rats menace
VEGETABLES			
Potato	Vegetative	Red Ants/ Late blight	<ul style="list-style-type: none"> Weeding and application of fertilizer as per recommended doses is suggested in potato. Ridge should be properly made, Red Ants: - Drenching with Chlorpyrifos @ 2 ml per litre of water, Foliar spray of Dithane M-45@2.5g/litre of water for management of potato late blight.
Cabbage/ Cauliflower/ Knolkhol/ Others	Maturity	Leaf eating caterpillars/ Aphids	<ul style="list-style-type: none"> Light irrigation is essential, In present weather conditions severe attack of leaf eating caterpillars has been reported. Spray Azadirachtin(0.015%) @6ml/litre of water when weather is clear. Spray with neem based pesticides against aphids
HORTICULTURAL CROPS			
Large Cardamom	Fruiting	Chirkey Disease	<ul style="list-style-type: none"> Remove dry/diseased/old tillers & branches & spray Bio NPK@ 2ml/lit water for proper growth.
Citrus	Maturity/ harvesting	Fruit Drop Fruit Fly Gummosis	<ul style="list-style-type: none"> Harvest the mature fruit with stalk and store in dry places. Collect & dispose rotten fallen fruits/ install fruit-fly traps Dead wood pruning may be done after harvesting of crop followed by spraying of fungicide, Carbendazim @ 1gm/lit of water. Breakdown the soil collected around the tree trunk
Banana	Multiple stages	Sigatoka Leaf spot	<ul style="list-style-type: none"> 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
Pineapple	Sowing		<ul style="list-style-type: none"> Clean the vicinity of plants by weeding and loosen up the soil. Remove sly and use it as a new planting material. Sucker dipping treatment with Bavistin @ 3g + Chlorpyrifos 20EC@ 2ml/lit of water to protect against soil borne disease and insect.
Orchards			<ul style="list-style-type: none"> Prepare half moon terraces in fruit crops (orange/banana/apple/peach) grown in steep slopes to prevent nutrient loss during heavy downpour. Follow proper drainage and earthing up practices in low land/plain areas to avoid water stagnation in fruit orchards
Honey Bees			
Honey bees			<ul style="list-style-type: none"> Box must be covered with straw/dry leaves to provide warmth
LIVESTOCKS			
Livestock	Stage	Disease	Precautionary Practices to be followed
General			
<ul style="list-style-type: none"> Damaged grain (not fungus contaminated) to be diverted for Poultry/livestock feeding Clean drinking water should be ensured round the clock and water troughs/feeders should be regularly cleaned, 			
Goat	All stages		<ul style="list-style-type: none"> Deworming for gastrointestinal parasite

Fishery			<ul style="list-style-type: none">• Keep fish stoking density thin @1200/ha
Pigs	All stages	FMD (high fever and appearance of mucous membrane of the mouth and foot.) Swine Fever	<ul style="list-style-type: none">• Iron injection within 10 days of birth is advised to newly born piglets if they are kept in confined system• Deworm with anti helmetic drugs (particularly Tapeworms) viz. Fento Plus @ 1 tablet per 30 kg body weightIn present weather conditions vaccinate against swine fever (Vaccines available in State Veterinary Depts),
Poultry	All stages		<ul style="list-style-type: none">• Day old chick-Maintain warmth by lighting,• In present weather conditions protect the birds from cold by using gunny bags/plastic sheets around the poultry shed during night,• Provide heat by lighting 100W bulb @ 1 bulb per 20 newly born chicks.
Cattle	All stages	FMD	<ul style="list-style-type: none">• Heavy mortality in cloven footed animals has been reported.• Supportive treatment of infected animals under supervision of veterinary department officials,• Avoid mixing of infected and healthy animals,• Keep infected animals separated from the healthy ones,• Vaccinate the healthy animals against FMD (Through State Veterinary Dept.)• Provide feed supplements
Contact Scientists (ICAR) or State Agril Staff or KVK staff for measures against adverse conditions or call at 03795-226237/226247			

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Agrometeorological Field Unit
ICAR, BASAR

कृषि मौसम सलाहकार सेवा पत्रिका

Agro-met Advisory Bulletin

(Period: 27th to 29th December, 2017)

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: 103/2017/Tue

Dated: 26th December, 2017



Weather summary of the previous week	Weather forecast valid up to 31 st Dec'2017
Rainfall = 0.0 mm	Generally clear/dry weather forecasted.. Daily maximum and minimum temperature for the following period is predicted to be 11-13°C and 01-02°C respectively. Expected morning and evening relative humidity will be 74-81% and 04-21% respectively. Wind direction is mainly WSW with probable speed range of 7-9 kmph.
Warning:	• Moderate to dense fog likely to occur at isolated places

Weather Based Agro-meteorological Advisories Bulletin

General Recommendations

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

Crop	Stage	Pest/Disease	Precautionary Practices to be followed
FIELD CROPS			
Rice	Harvesting		<ul style="list-style-type: none">• Sun-dry & properly winnow the grains for safe storage.
Maize	Harvesting	Rat	<ul style="list-style-type: none">• Harvest mature cobs and dry properly before storing• Use locally available traps to control rats menace
VEGETABLES			
Potato	Vegetative	Red Ants/ Late blight	<ul style="list-style-type: none">• Weeding and application of fertilizer as per recommended doses is suggested in potato.• Ridge should be properly made,• Red Ants: - Drenching with Chlorpyriphos @ 2 ml per litre of water,• Foliar spray of Dithane M-45@2.5g/litre of water for management of potato late blight.
Cabbage/ Cauliflower/ Knolkhol/ Others	Maturity	Leaf eating caterpillars/ Aphids	<ul style="list-style-type: none">• Light irrigation is essential,• In present weather conditions severe attack of leaf eating caterpillars has been reported. Spray Azadirachtin(0.015%) @6ml/litre of water when weather is clear.• Spray with neem based pesticides against aphids
HORTICULTURAL CROPS			
Banana	Bunching	Cold	<ul style="list-style-type: none">• 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.
Temperate fruits	After harvesting		<ul style="list-style-type: none">• Training & pruning of the temperate crops (apple/pears/peach) is recommended
Kiwi	Harvesting		<ul style="list-style-type: none">• Should be harvested by snapping their stalks• Fruit should be stored boxes containing cushioning materials and transported to the market in hard condition.
Orchards			<ul style="list-style-type: none">• Prepare half moon terraces in fruit crops (orange/banana/apple/peach) grown in steep slopes to prevent nutrient loss during heavy downpour.• Follow proper drainage and earthing up practices in low land/plain areas to avoid water stagnation in fruit orchards
Honey Bees			
Honey bees			<ul style="list-style-type: none">• Provide sugar syrup near the box• Cover the boxes with locally available dry grass to provide warmth.
LIVESTOCKS			
Livestock	Stage	Disease	Precautionary Practices to be followed
General <ul style="list-style-type: none">• Damaged grain (not fungus contaminated) to be diverted for Poultry/livestock feeding• Clean drinking water should be ensured round 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	<ul style="list-style-type: none">• Provide proper bedding materials especially to new-born piglets and lukewarm food & water• Close all the ventilation in the house and cover with locally available dry straw/grass• Iron injection within 10 days of birth is advised to newly born piglets if they are kept in confined system• Deworm with anti helmetic drugs (particularly Tapeworms) viz. Fento Plus @ 1 tablet per 30 kg body weight• In present weather conditions vaccinate against swine fever (Vaccines available in State Veterinary Depts),
Cattle	All stages	FMD	<ul style="list-style-type: none">• Provide proper bedding materials especially to new-born and lukewarm food & water• Heavy mortality in cloven footed animals has been reported.• Supportive treatment of infected animals under supervision of veterinary department officials,• Avoid mixing of infected and healthy animals,• Keep infected animals separated from the healthy ones,• Vaccinate the healthy animals against FMD (Through State Veterinary Dept.)• Provide feed supplements
Poultry	All stages		<ul style="list-style-type: none">• Day old chick-Maintain warmth by lighting,• In present weather conditions protect the birds from cold by

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

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Agrometeorological Field Unit
ICAR, BASAR

कृषि मौसम सलाहकार सेवा पत्रिका

Agro-met Advisory Bulletin

(Period: 27th to 29th December, 2017)

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: 103/2017/Tue

Dated: 26th December, 2017



Weather summary of the previous week	Weather forecast valid up to 31 st Dec'2017
Rainfall = 0.0 mm	Generally clear/dry weather forecasted. Daily maximum and minimum temperature for the following period is predicted to be 25-27°C and 11-13°C respectively. Expected morning and evening relative humidity will be 82-88% and 14-22% respectively. Wind direction is mainly E & ESE with speed range of 5-6 kmph.
Warning:	<ul style="list-style-type: none">Moderate to dense fog likely to occur at isolated places

Weather Based Agro-meteorological Advisories Bulletin

- Disinfecting the animal/bird sheds with lime powder/ bleaching powder/ 4%NaOH at regular interval is advocated.
- Go for 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			
Rice	Harvesting		<ul style="list-style-type: none"> Sun-dry & properly winnow the grains for safe storage. In case of rain delay harvesting
Mustard	Vegetative	White rust/ Downey mildew	<ul style="list-style-type: none"> Need-based foliar spray of Metalaxyl+Dithane M-45 @ 2.5g/lit at 15 days interval for management of White rust/Downy mildew in mustard
Pea	Vegetative	Cut-worm	<ul style="list-style-type: none"> Regular monitoring of crop against attack of cutworm is advised, Spray neem-based insecticides against leaf eating insects
Black Gram & Green Gram	Vegetative	Powdery mildew	<ul style="list-style-type: none"> Need based foliar spray of Sulfex@2g/lit water to control powdery mildew in black/green gram/pea
Maize	Harvesting	Rat	<ul style="list-style-type: none"> Harvest mature cobs and dry properly before storing. Use locally available traps to control rats menace.
VEGETABLES			
Potato	Vegetative	Red Ants/ Late blight	<ul style="list-style-type: none"> Weeding and application of fertilizer as per recommended doses is suggested in potato. Ridge should be properly made, Red Ants: - Drenching with Chlorpyriphos @ 2 ml per litre of water, Foliar spray of Dithane M-45@2.5g/litre of water for management of potato late blight.
Cabbage/ Cauliflower/ Knolkhol/ Others	Maturity	Leaf eating caterpillars/ Aphids	<ul style="list-style-type: none"> Light irrigation is essential, In present weather conditions severe attack of leaf eating caterpillars has been reported. Spray Azadirachtin(0.015%) @6ml/litre of water when weather is clear. Spray with neem based pesticides against aphids
Tomato	Fruiting		<ul style="list-style-type: none"> Removing side shoots is an important job which prevents the fruits being shaded by leaves. Provide shed to protect from frost
HORTICULTURAL CROPS			
Citrus	Maturity/ harvesting	Fruit Drop Fruit Fly Gummosis	<ul style="list-style-type: none"> Harvest the mature fruit with stalk and store in dry places. Collect & dispose rotten fallen fruits/ install fruit-fly traps Dead wood pruning may be done after harvesting of crop followed by spraying of fungicide, Carbendazim @ 1gm/lit of water. Breakdown the soil collected around the tree trunk
Banana	All stages	Sigatoka Leaf spot	<ul style="list-style-type: none"> One sword sucker may be allowed after shooting (Flowering), Periodical removal of side suckers by cutting them above the ground level, scoop the core and pour 2 ml of kerosene in the core, Foliar spray of Propiconazole (e.g., Tilt) @ 1 ml per litre of wate
Pineapple	Sowing		<ul style="list-style-type: none"> Clean the vicinity of plants by weeding and loosen up the soil. Remove sly and use it as a new planting material. Sucker dipping treatment with Bavistin @ 3g + Chlorpyriphos 20EC@ 2ml/lt of water to protect against soil borne disease and insect.
Guava	Harvisting	Fruit fly	<ul style="list-style-type: none"> Harvest with care and store in dry places Install fruit fly pheromone traps for collection and destruction of the adult insects
Large Cardamom	Fruiting	Chirkey Disease	<ul style="list-style-type: none"> Remove dry/diseased/old tillers & branches & spray Bio NPK@ 2ml/lit water for proper growth.
Ginger/Turmeric	Vegetative		<ul style="list-style-type: none"> Mulching with locally available materials like dry grass/paddy straw recommended to retain soil moisture
Honey Bees			
			<ul style="list-style-type: none"> Box must be covered with straw/dry leaves to provide warmth
LIVESTOCKS			
Livestock	Stage	Disease	Precautionary Practices to be followed
General			
<ul style="list-style-type: none"> Damaged grain (not fungus contaminated) to be diverted for Poultry/livestock feeding 			

<ul style="list-style-type: none"> • Clean drinking water should be ensured round 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	<ul style="list-style-type: none"> • Iron injection within 10 days of birth is advised to newly born piglets if they are kept in confined system • Deworm with anti helmetic drugs (particularly Tapeworms) viz. Fento Plus @ 1 tablet per 30 kg body weight • In present weather conditions vaccinate against swine fever (Vaccines available in State Veterinary Depts),
Poultry	All stages		<ul style="list-style-type: none"> • Day old chick-Maintain warmth by lighting, • In present weather conditions protect the birds from cold by using gunny bags/plastic sheets around the poultryshed during night, • Provide heat by lighting 100W bulb @ 1 bulb per 20 newly born chicks.
Cattle	All stages	FMD	<ul style="list-style-type: none"> • Heavy mortality in cloven footed animals has been reported. • Supportive treatment of infected animals under supervision of veterinary department officials, • Avoid mixing of infected and healthy animals, • Keep infected animals separated from the healthy ones, • Vaccinate the healthy animals against FMD (Through State Veterinary Dept.) • Provide feed supplements
Contact Scientists (ICAR) or State Agril Staff or KVK staff for measures against adverse conditions or call at 03795-226237/226247			

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Agrometeorological Field Unit
 ICAR, BASAR

कृषि मौसम सलाहकार सेवा पत्रिका

Agro-met Advisory Bulletin

(Period: 27th to 29th December, 2017)

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: 103/2017/Tue

Dated: 26th December, 2017



Weather summary of the previous week	Weather forecast valid up to 31 st Dec'2017
Rainfall = 0.0 mm	Generally clear/dry weather forecasted. Daily maximum and minimum temperature for the following period is predicted to be 20-21°C and 05-07°C respectively. Expected morning and evening relative humidity will be 78-85% and 17-22% respectively. Wind direction is mainly E with speed range of 5-8 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 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	Harvesting		<ul style="list-style-type: none"> Sun-dry & properly winnow the grains for safe storage. In case of rain delay harvesting
Maize	Harvesting	Rat	<ul style="list-style-type: none"> Harvest mature cobs and dry properly before storing Use locally available traps to control rats menace
VEGETABLES			
Cabbage/ Cauliflower/ Knolkhol/ Others	Maturity	Leaf eating caterpillars/ Aphids	<ul style="list-style-type: none"> Light irrigation is essential, In present weather conditions severe attack of leaf eating caterpillars has been reported. Spray Azadirachtin(0.015%) @6ml/litre of water when weather is clear. Spray with neem based pesticides against aphids
Potato	Vegetative	Red Ants/ Late blight	<ul style="list-style-type: none"> Ridge should be properly made, Red Ants: - Drenching with Chlorpyriphos @ 2 ml per litre of water, Foliar spray of Dithane M-45@2.5g/litre of water for management of potato late blight.
HORTICULTURAL CROPS			
Banana	Bunching	Cold	<ul style="list-style-type: none"> 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.
Temperate fruits	After harvesting		<ul style="list-style-type: none"> Training & pruning of the temperate crops (apple/pears/peach) is recommended
Citrus	Maturity/ harvesting	Fruit Drop Fruit Fly Gummosis	<ul style="list-style-type: none"> Harvest the mature fruit with stalk and store in dry places. Collect & dispose rotten fallen fruits/ install fruit-fly traps Dead wood pruning may be done after harvesting of crop followed by spraying of fungicide, Carbendazim @ 1gm/lit of water. Breakdown the soil collected around the tree trunk
Kiwi	Harvesting		<ul style="list-style-type: none"> Should be harvested by snapping their stalks Fruit should be stored boxes containing cushioning materials and transported to the market in hard condition.
Pineapple	Sowing		<ul style="list-style-type: none"> Clean the vicinity of plants by weeding and loosen up the soil. Remove sly and use it as a new planting material. Sucker dipping treatment with Bavistin @ 3g + Chlorpyriphos 20EC@ 2ml/lit of water to protect against soil borne disease and insect.
Ginger/Turmeric	Seedling		<ul style="list-style-type: none"> Proper drainage to be done and avoid water stagnation Earthing up of ginger/turmeric along with basal application of required fertilizer should be done
Honey Bees			
Honey bees			<ul style="list-style-type: none"> Box must be covered with straw/dry leaves to provide warmth Provide sugar syrup
LIVESTOCKS			
Livestock	Stage	Disease	Precautionary Practices to be followed
General			
<ul style="list-style-type: none"> Damaged grain (not fungus contaminated) to be diverted for Poultry/livestock feeding Clean drinking water should be ensured round 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	<ul style="list-style-type: none"> Provide proper bedding materials especially to new-born piglets and lukewarm food & water Iron injection within 10 days of birth is advised to newly born piglets if they are kept in confined system Deworm with anti helmetic drugs (particularly Tapeworms) viz. Fento Plus @ 1 tablet per 30 kg body weight In present weather conditions vaccinate against swine fever (Vaccines available in State Veterinary Depts),
Cattle	All stages	FMD	<ul style="list-style-type: none"> Provide proper bedding materials especially to new-born and lukewarm food & water Heavy mortality in cloven footed animals has been reported. Supportive treatment of infected animals under supervision of veterinary department officials,

			<ul style="list-style-type: none">• 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
Fishery			<ul style="list-style-type: none">• Application of quick lime is highly recommended in order to rectify water pH.• Application of fish feed (mustard oil cake) is essential for achieving higher yield
Poultry	All stages		<ul style="list-style-type: none">• Day old chick-Maintain warmth by lighting,• In present weather conditions protect the birds from cold by using gunny bags/plastic sheets around the poultryshed during night,• Provide heat by lighting 100W bulb @ 1 bulb per 20 newly born chicks.
Mithun		FMD	<ul style="list-style-type: none">• Polyvalent FMD vaccine with serotype O, A and Asia at 6 months of age and repeat after that 6 months interval by sub-cutaneous route.• Pregnant animals above 7 months of pregnancy should be avoided.
Contact Scientists (ICAR) or State Agril Staff or KVK staff for measures against adverse conditions or call at 03795-226237/226247			

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Agrometeorological Field Unit
ICAR, BASAR

कृषि मौसम सलाहकार सेवा पत्रिका

Agro-met Advisory Bulletin

(Period: 27th to 29th December, 2017)

ग्रामीण कृषि मौसम सेवा

GRAMIN KRISHI MAUSAM SEWA

(Integrated Agro-Meteorological Advisory Services)

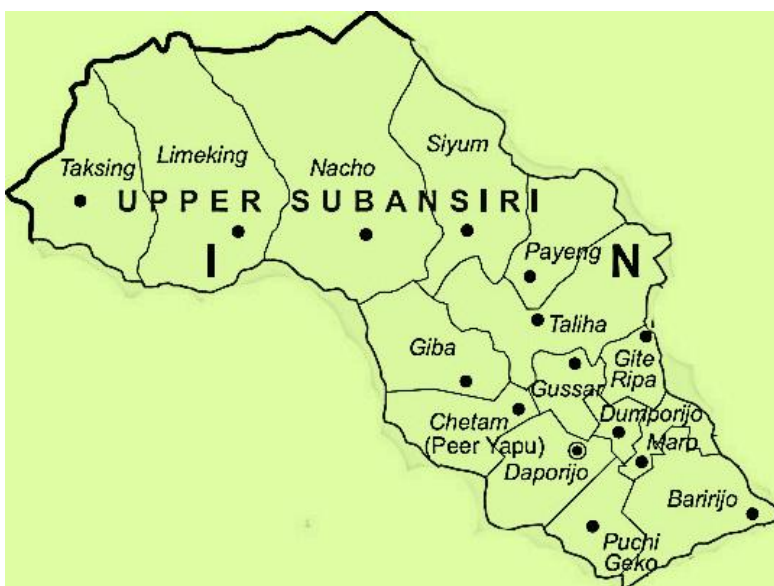


AMFU, ICAR Research Complex for NEH Region
Arunachal Pradesh Centre, Basar-791101

District: Upper Subansiri

No: 103/2017/Tue

Dated: 26th December, 2017



Weather summary of the previous week	Weather forecast valid up to 31 st Dec'2017
Daporijo: 0.0 mm	Generally clear/dry weather forecasted. Daily maximum and minimum temperature for the following period is predicted to be 23-25°C and 10-11°C respectively. Expected morning and evening relative humidity will be 84-85% and 19-23% respectively. Expected wind direction is mainly SSE & SE with speed range of 5 kmph.
Warning	<ul style="list-style-type: none">Moderate to dense fog likely to occur at isolated places

Weather Based Agro-meteorological Advisories Bulletin

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

Crop	Stage	Pest/Disease	Precautionary Practices to be followed
FIELD CROPS			
Mustard	Vegetative	White rust/ Downey mildew	<ul style="list-style-type: none"> Need-based foliar spray of Metalaxyl+Dithane M-45 @ 2.5g/lit at 15 days interval for management of White rust/Downy mildew in mustard
Rice	Harvesting		<ul style="list-style-type: none"> Sun-dry & properly winnow the grains for safe storage.
Pea	Sowing		<ul style="list-style-type: none"> Treat pea with rhizobium@2gm/kg seed before sowing or treat with carbendazim @ 2g/kg seed before sowing Provide irrigation to plants Complete sowing by 1st fortnight of Nov. for better yield
Black Gram & Green Gram	Vegetative		<ul style="list-style-type: none"> Need based foliar spray of Sulfex@2g/lit water to control powdery mildew in black/green gram/pea
Soybean	Harvesting		<ul style="list-style-type: none"> Immediately harvest soybean & thoroughly dry in sun.
Maize	Harvesting	Rat	<ul style="list-style-type: none"> Harvest mature cobs and dry properly before storing Use locally available traps to control rats menace
VEGETABLES			
Potato	Vegetative	Red Ants/ Late blight	<ul style="list-style-type: none"> Weeding and application of fertilizer as per recommended doses is suggested in potato. Ridge should be properly made, Red Ants: - Drenching with Chlorpyriphos @ 2 ml per litre of water, Foliar spray of Dithane M-45@2.5g/litre of water for management of potato late blight.
Cabbage/ Cauliflower/ Knolkhol/ Others	Maturity	Leaf eating caterpillars/ Aphids	<ul style="list-style-type: none"> Light irrigation is essential, In present weather conditions severe attack of leaf eating caterpillars has been reported. Spray Azadirachtin(0.015%) @6ml/litre of water when weather is clear. Spray with neem based pesticides against aphids
HORTICULTURAL CROPS			
Temperate fruits	After harvesting		<ul style="list-style-type: none"> Training & pruning of the temperate crops (apple/pears/peach) is recommended
Large Cardamom	Fruiting	Chirkey Disease	<ul style="list-style-type: none"> Remove dry/diseased/old tillers & branches & spray Bio NPK@ 2ml/lit water for proper growth.
Citrus	Maturity/ harvesting	Fruit Drop Fruit Fly Gummosis	<ul style="list-style-type: none"> Harvest the mature fruit with stalk and store in dry places. Collect & dispose rotten fallen fruits/ install fruit-fly traps Dead wood pruning may be done after harvesting of crop followed by spraying of fungicide, Carbendazim @ 1gm/lit of water. Breakdown the soil collected around the tree trunk
Banana	Bunching	Cold	<ul style="list-style-type: none"> Cover newly emerged bunches with locally available sack to protect from cold/frost
Orchards			<ul style="list-style-type: none"> Prepare half moon terraces in fruit crops (orange/banana/apple/peach) grown in steep slopes to prevent nutrient loss during heavy downpour. Follow proper drainage and earthing up practices in low land/plain areas to avoid water stagnation in fruit orchards
Honey Bees			
Honey bees			<ul style="list-style-type: none"> Provide sugar syrup near the box Add insulation and ventilation systems
LIVESTOCKS			
Livestock	Stage	Disease	Precautionary Practices to be followed
General			
<ul style="list-style-type: none"> Damaged grain (not fungus contaminated) to be diverted for Poultry/livestock feeding Clean drinking water should be ensured round the clock and water troughs/feeders should be regularly cleaned, 			
Fishery			<ul style="list-style-type: none"> Keep fish stoking density thin @1200/ha
Pigs	All stages	FMD (high fever and appearance of mucous membrane of the mouth and foot.) Swine Fever	<ul style="list-style-type: none"> Provide proper bedding materials especially to new-born piglets and lukewarm food & water Iron injection within 10 days of birth is advised to newly born piglets if they are kept in confined system Deworm with anti helmetic drugs (particularly Tapeworms) viz. Fento Plus @ 1 tablet per 30 kg body weight

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

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Agrometeorological Field Unit
ICAR, BASAR

कृषि मौसम सलाहकार सेवा पत्रिका

Agro-met Advisory Bulletin

(Period: 27th to 29th December, 2017)

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: 103/2017/Tue

Dated: 26th December, 2017



Weather summary of the previous week	Weather forecast valid up to 31 st Dec'2017
Rainfall = Bomdila: 0.0 ; Bhalukpong: 0.0 mm	Generally clear/dry weather forecasted. Daily maximum and minimum temperature for the following period is predicted to be 20-21°C and 05-07°C respectively. Expected morning and evening relative humidity will be 78-85% and 17-22% respectively. Wind direction variable NE & ENE with speed range of 5-8 kmph.
Warning:	<ul style="list-style-type: none">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

Crop	Stage	Pest/Disease	Precautionary Practices to be followed
FIELD CROPS			
Rice	Harvesting		<ul style="list-style-type: none"> Sun-dry & properly winnow the grains for safe storage. In case of rain delay harvesting
Maize	Harvesting	Rat	<ul style="list-style-type: none"> Harvest mature cobs and dry properly before storing Use locally available traps to control rats menace
Pea	Vegetative		<ul style="list-style-type: none"> Provide irrigation to plants Weeding advocated
VEGETABLES			
Potato	Vegetative	Red Ants/ Late blight	<ul style="list-style-type: none"> Weeding and application of fertilizer as per recommended doses is suggested in potato. Ridge should be properly made, Red Ants: - Drenching with Chlorpyriphos @ 2 ml per litre of water, Foliar spray of Dithane M-45@2.5g/litre of water for management of potato late blight.
Cabbage/ Cauliflower/ Knolkhol/ Others	Maturity	Leaf eating caterpillars/ Aphids	<ul style="list-style-type: none"> Light irrigation is essential, In present weather conditions severe attack of leaf eating caterpillars has been reported. Spray Azadirachtin(0.015%) @6ml/litre of water when weather is clear. Spray with neem based pesticides against aphids
HORTICULTURAL CROPS			
Temperate fruits	After harvesting		<ul style="list-style-type: none"> Training & pruning of the temperate crops (apple/pears/peach) is recommended
Banana	Bunching	Cold	<ul style="list-style-type: none"> 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.
Citrus	Maturity/ harvesting	Fruit Drop Fruit Fly Gummosis	<ul style="list-style-type: none"> Harvest the mature fruit with stalk and store in dry places. Collect & dispose rotten fallen fruits/ install fruit-fly traps Dead wood pruning may be done after harvesting of crop followed by spraying of fungicide, Carbendazim @ 1gm/lit of water. Breakdown the soil collected around the tree trunk
Pineapple	Sowing		<ul style="list-style-type: none"> Clean the vicinity of plants by weeding and loosen up the soil. Remove sly and use it as a new planting material. Sucker dipping treatment with Bavistin @ 3g + Chlorpyriphos 20EC@ 2ml/lt of water to protect against soil borne disease and insect.
Orchards			<ul style="list-style-type: none"> Prepare half moon terraces in fruit crops (orange/banana/apple/peach) grown in steep slopes to prevent nutrient loss during heavy downpour. Follow proper drainage and earthing up practices in low land/plain areas to avoid water stagnation in fruit orchards
Honey Bees			
Honey bees			<ul style="list-style-type: none"> Provide sugar syrup near the box Add insulation and ventilation systems
LIVESTOCKS			
Livestock	Stage	Disease	Precautionary Practices to be followed
General			
<ul style="list-style-type: none"> Damaged grain (not fungus contaminated) to be diverted for Poultry/livestock feeding Clean drinking water should be ensured round the clock and water troughs/feeders should be regularly cleaned, 			
Fishery			<ul style="list-style-type: none"> Keep fish stoking density thin @1200/ha
Pigs	All stages	FMD (high fever and appearance of mucous membrane of the mouth and foot.) Swine Fever	<ul style="list-style-type: none"> Provide proper bedding materials especially to new-born piglets and lukewarm food & water Iron injection within 10 days of birth is advised to newly born piglets if they are kept in confined system Deworm with anti helmetic drugs (particularly Tapeworms) viz. Fento Plus @ 1 tablet per 30 kg body weight In present weather conditions vaccinate against swine fever (Vaccines available in State Veterinary Depts),
Cattle	All stages	FMD	<ul style="list-style-type: none"> Provide proper bedding materials especially to new-born and lukewarm food & water

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

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Agrometeorological Field Unit
ICAR, BASAR

कृषि मौसम सलाहकार सेवा पत्रिका Agro-met Advisory Bulletin

(Period: 27th to 29th December, 2017)

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: 103/2017/Tue

Dated: 26th December, 2017



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

Weather summary of the previous week	Weather forecast valid up to 31 st Dec'2017
Basar: Rainfall = 0.0 mm. T. Max: 21.0°C, T. Min: 8.0°C, RH: 41-97%, Wind Speed: 4-5 kmph, Wind Direction: ESE	Generally clear/dry weather forecasted. Daily maximum and minimum temperature for the following period is predicted to be 25-26°C and 11-12°C respectively. Expected morning and evening relative humidity will be 71-75% and 18-22% respectively. Wind direction is mainly WSW & W variable with speed range of 5-6 kmph.
Warning:	<ul style="list-style-type: none">Moderate to dense fog likely to occur at isolated places

Weather Based Agro-meteorological Advisories Bulletin

General Recommendations

- Disinfecting the animal/bird sheds with lime powder/ bleaching powder/ 4%NaOH at regular interval is advocated
- Go for 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			
Rice	Harvesting		<ul style="list-style-type: none">• Sun-dry & properly winnow the grains for safe storage.• In case of rain delay harvesting
Black Gram & Green Gram	Vegetative		<ul style="list-style-type: none">• Need based foliar spray of Sulfex@2g/lit water to control powdery mildew in black/green gram/pea
Pea	Vegetative	Leaf eating insects	<ul style="list-style-type: none">• Provide irrigation to plants• Mulching with locally available materials like straw/dray grass to retain soil moisture• Spray neem-based pesticides against leaf eating insects
Maize	Harvesting	Rat	<ul style="list-style-type: none">• Harvest mature cobs and dry properly before storing• Use locally available traps to control rats menace
Mustard	Vegetative	White rust/ Downey mildew	<ul style="list-style-type: none">• Need-based foliar spray of Metalaxyl+Dithane M-45 @ 2.5g/lit at 15 days interval for management of White rust/Downy mildew in mustard
VEGETABLES			
Potato	Vegetative	Red Ants/ Late blight	<ul style="list-style-type: none">• Weeding and application of fertilizer as per recommended doses is suggested in potato.• Ridge should be properly made,• Red Ants: - Drenching with Chlorpyriphos @ 2 ml per litre of water,• Foliar spray of Dithane M-45@2.5g/litre of water for management of potato late blight.
Cabbage/ Cauliflower/ Knolkhol/ Others	Maturity	Leaf eating caterpillars/ Aphids	<ul style="list-style-type: none">• Light irrigation is essential,• In present weather conditions severe attack of leaf eating caterpillars has been reported. Spray Azadirachtin(0.015%) @6ml/litre of water when weather is clear.• Spray with neem based pesticides against aphids
Ginger/turmeric	Vegetative stage	Rhizome rot	<ul style="list-style-type: none">• <u>Under excessive moisture, there is every possibility of rhizome rot in ginger and turmeric.</u>• <u>To manage the disease, provide adequate drainage and apply Trichoderma harzianum @ 50 g/bed along with FYM/ neem cake.</u>• Mulching should be done with locally available mulch,• Earthing up of exposed rhizome,
HORTICULTURAL CROPS			
Banana	Bunching	Cold	<ul style="list-style-type: none">• 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.
Temperate fruits	After harvesting		<ul style="list-style-type: none">• Training & pruning of the temperate crops (apple/pears/peach) is recommended
Large Cardamom	Fruiting	Chirkey Disease	<ul style="list-style-type: none">• Remove dry/diseased/old tillers & branches & spray Bio NPK@ 2ml/lit water for proper growth.
Citrus	Maturity/ harvesting	Fruit Drop Fruit Fly Gummosis	<ul style="list-style-type: none">• Harvest the mature fruit with stalk and store in dry places.• Collect & dispose rotten fallen fruits/ install fruit-fly traps• Dead wood pruning may be done after harvesting of crop followed by spraying of fungicide, Carbendazim @ 1gm/lit of water.• Breakdown the soil collected around the tree trunk
Pineapple	Sowing		<ul style="list-style-type: none">• Clean the vicinity of plants by weeding and loosen up the soil.• Remove sly and use it as a new planting material.• Sucker dipping treatment with Bavistin @ 3g + Chlorpyriphos 20EC@ 2ml/lit of water to protect against soil borne disease and insect.
Ginger/Turmeric	Vegetative		<ul style="list-style-type: none">• Mulching with locally available materials like dry grass/paddy straw recommended• Earthing up of ginger/turmeric along with basal application of required fertilizer should be done
Honey Bees			
Honey bees			<ul style="list-style-type: none">• Cover the boxes with locally available dry grass or straw to provide warmth

LIVESTOCKS			
Livestock	Stage	Disease	Precautionary Practices to be followed
General <ul style="list-style-type: none"> • Damaged grain (not fungus contaminated) to be diverted for Poultry/livestock feeding • Clean drinking water should be ensured round 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	<ul style="list-style-type: none"> • Provide proper bedding materials especially to new-born piglets and lukewarm food & water • Iron injection within 10 days of birth is advised to newly born piglets if they are kept in confined system • Deworm with anti helminthic drugs (particularly Tapeworms) viz. Fento Plus @ 1 tablet per 30 kg body weight • In present weather conditions vaccinate against swine fever (Vaccines available in State Veterinary Depts),
Cattle	All stages	FMD	<ul style="list-style-type: none"> • Provide proper bedding materials especially to new-born and lukewarm food & water • Heavy mortality in cloven footed animals has been reported. • Supportive treatment of infected animals under supervision of veterinary department officials, • Avoid mixing of infected and healthy animals, • Keep infected animals separated from the healthy ones, • Vaccinate the healthy animals against FMD (Through State Veterinary Dept.) • Provide feed supplements
Poultry	All stages		<ul style="list-style-type: none"> • Day old chick-Maintain warmth by lighting, • In present weather conditions protect the birds from cold by using gunny bags/plastic sheets around the poultryshed during night, • Provide heat by lighting 100W bulb @ 1 bulb per 20 newly born chicks.
Mithun		FMD	<ul style="list-style-type: none"> • 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.
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