

कृषि मौसम सलाहकार सेवा पत्रिका

Agro-met Advisory Bulletin

(Period: 17th to 21st March 2017)

ग्रामीण कृषि मौसम सेवा



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

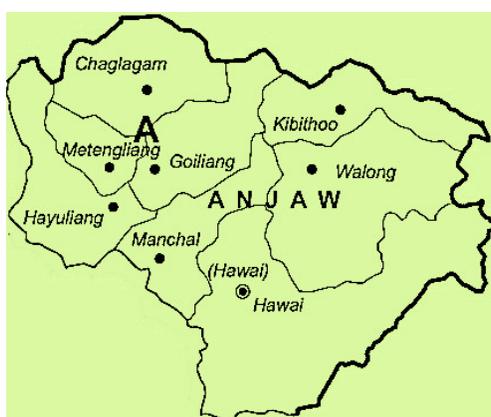


ICAR Research Complex for NEH Region
Arunachal Pradesh Centre, Basar-791101

District: Anjaw

No: 22/2017/Fri

Dated: 17th March 2017



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

Weather summary of the previous week	Weather forecast valid up to 22 nd March 2017
No weather summary available	Partly cloudy sky with possibility of light/moderate rainfall up to 21st March. Daily maximum and minimum temperature for the following period is predicted to be 26-28°C and 14-16°C respectively. Expected morning and evening relative humidity will be 71-79% and 32-40% respectively. Wind will blow mostly from E at a speed range of 6-10 kmph.
Warning:	Heavy rainfall is likely in few 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			
Pea	Harvesting		• Immediately harvest during sunny days
VEGETABLES			
Cole crops	Nursery		• Raising nursery can be carried out in higher altitudes/ cold areas

Tomato	Vegetative/Nursery		<ul style="list-style-type: none"> Cover the crop with polyethene/cloths to protect from frost/rain Nursery raising under protected cultivation
Pre-summer vegetables	Sowing		<ul style="list-style-type: none"> Avoid/delay sowing of pre-summer vegetables like okra, frenchbean etc as the germination percentage will be very low Right time for transplanting the ready seedlings of chili, tomato, capsicum etc. Provide proper drainage to newly transplanted seedlings and follow raised bed for sowing
HORTICULTURAL CROPS			
Citrus	Floral bud differentiation stage	Trunk borer	<ul style="list-style-type: none"> Provide drainage ditches with gravel or stones to prevent erosion and allow vegetation to grow in ditches to slow run off. If infested with trunk-borer, on clear/dry day initiate drenching treatment in the base of citrus plants with 0.05% Dichlorvos 75 EC only after harvesting of fruits
Large Cardamom	Vegetative		<ul style="list-style-type: none"> Remove dry, diseased and old tillers and branches Proper shade management Field sanitation and nutrient management
Ginger	Planting material collection/preparation		<ul style="list-style-type: none"> Identify healthy plants for seed rhizomes/ collect better seedlings from ICAR Basar or KVK West Siang/Anjaw Keep selected rhizomes for planting material in partial shade for better sprouting. Mulching materials like forest litters or crop residues should be collected in advance
Apple	Vegetative	Wooly aphids	<ul style="list-style-type: none"> On clear/dry day, swab the stem with mineral oil against wooly aphid.
AGROFORESTRY			
Toko palm	Nursery		<ul style="list-style-type: none"> Filling of nursery polybags for raising of takopalm seedlings
LIVESTOCKS			
Livestock	Stage	Disease	Precautionary Practices to be followed
Pigs	All stages	FMD (high fever and appearance of mucous membrane of the mouth and foot.)	<ul style="list-style-type: none"> Provide adequate bedding material (paddy straw, rice husk) to newly born piglets. Animals should be given lukewarm feed and water. All animals should be tethered in a covered shelter. Keep the houses dry and clean. 1st injection at 6 months of age and 2nd injection at 12 months of age followed by annual vaccination under vet supervision
Poultry	All stages		<ul style="list-style-type: none"> Follow 'All in All out' system of rearing and do not rear birds of different age groups together. Avoid overcrowding. Avoid rearing of Day-Old-Chicks Provide sufficient bedding materials to keep them warm Provide adequate clean drinking water+electrolyte and multi-vitamins Vaccination as per the schedule with proper consultation with vet. <ul style="list-style-type: none"> ➤ Day old chick: HVT Marek disease vaccine, 4-7 days: F/Lasota, 14-18 days: Intermediate plus/IBD vaccine, 35 days: F/Lasota, 6-7 weeks: Chicken embryo adopted fowl pox vaccine and 56-70 days: RD R-2B strain. Remove wet litter/provide artificial heating and light
Fishery			<ul style="list-style-type: none"> Best time to prepare the culture pond like cleaning aquatic weeds
Cattle	All stages	FMD	<ul style="list-style-type: none"> 1st injection at 6-8 weeks of age, 2nd injection after 6 months of 1st injection followed by annual vaccination under vet supervision Separate sick animals The animal should be washed with lukewarm water added with little potash (KMnO₄) or neem leaves Long hair near the udder/stomach/back legs should be teamed short.
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.
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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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(Integrated Agro-Meteorological Advisory Services)



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

District: Changlang

No: 22/2017/Fri

Dated: 17th March 2017



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

Weather summary of the previous week	Weather forecast valid up to 22 nd March 2017
Rainfall = Changlang: 0.0 mm Miao: 0.0 mm	Partly cloudy sky with possibility of light/moderate rainfall. Daily maximum and minimum temperature for the following period is predicted to be 25-28°C and 14-16°C respectively. Expected morning and evening relative humidity will be 79-93% and 27-54% respectively. Wind direction is SE with speed range of 4-5 kmph.
Warning	Heavy rainfall is likely in few 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			
Pea	Fruiting		<ul style="list-style-type: none"> Pick/harvest green pods at 4/5 days interval to stimulate new flowers. Harvest on dry/sunny weather when the plant get try
VEGETABLES			
Tomato	Vegetative		<ul style="list-style-type: none"> Cover the crop with polyethene/cloths to protect from frost/rain
Pre-summer vegetables	Sowing		<ul style="list-style-type: none"> Sowing of pre-summer vegetables like okra, frenchbean etc should be avoided during rainy days. Right time for transplanting the ready seedlings of chili, tomato, capsicum etc. Provide proper drainage to newly transplanted seedlings and follow raised bed for sowing
HORTICULTURAL CROPS			
Citrus	Floral bud differentiation stage	Aphids/ Trunk Borer	<ul style="list-style-type: none"> Remove all water sprouts from the base of the plant Provide drainage ditches with gravel or stones to prevent erosion and allow vegetation to grow in ditches to slow run off. On clear/dry weather, manuring of orange trees of 8years or above with FYM@30kg/tree in ring method followed by mulching.
Ginger	Planting material collection/preparation		<ul style="list-style-type: none"> Identify healthy plants for seed rhizomes/ collect better seedlings from ICAR Basar or KVK West Siang/Anjaw Keep selected rhizomes for planting material in partial shade for better sprouting. Mulching materials like forest litters or crop residues should be collected in advance
Large Cardamom	Vegetative		<ul style="list-style-type: none"> Remove dry, diseased and old tillers and branches Proper shade management Field sanitation and nutrient management
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
Pigs	All stages	FMD (high fever and appearance of mucous membrane of the mouth and foot.)	<ul style="list-style-type: none"> Provide adequate bedding material (paddy straw, rice husk) to newly born piglets. Animals should be given lukewarm feed and water. All animals should be tethered in a covered shelter. Keep the houses dry and clean. 1st injection at 6 months of age and 2nd injection at 12 months of age followed by annual vaccination under vet supervision
Poultry	All stages		<ul style="list-style-type: none"> Follow 'All in All out' system of rearing and do not rear birds of different age groups together. Avoid overcrowding. Avoid rearing of Day-Old-Chicks Provide sufficient bedding materials to keep them warm Provide adequate clean drinking water+electrolyte and multi-vitamins Vaccination as per the schedule with proper consultation with vet. <ul style="list-style-type: none"> ➤ Day old chick: HVT Marek disease vaccine, 4-7 days: F/Lasota, 14-18 days: Intermediate plus/IBD vaccine, 35 days: F/Lasota, 6-7 weeks: Chicken embryo adopted fowl pox vaccine and 56-70 days: RD R-2B strain. Remove wet litter/provide artificial heating and light
Fishery			<ul style="list-style-type: none"> Best time to prepare the culture pond like cleaning aquatic weeds
Cattle	All stages	FMD	<ul style="list-style-type: none"> 1st injection at 6-8 weeks of age, 2nd injection after 6 months of 1st injection followed by annual vaccination under vet supervision

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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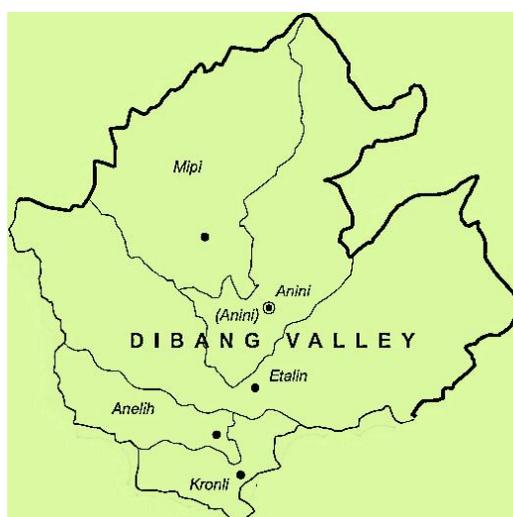


ICAR Research Complex for NEH Region
Arunachal Pradesh Centre, Basar-791101

District: Dibang Valley

No: 22/2017/Fri

Dated: 17th March 2017



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

Weather summary of the previous week	Weather forecast valid up to 22 nd March 2017
Rainfall = 6.0 mm (Anini)	Partly cloudy sky with light/moderate rainfall forecasted up to 21 st March. Daily maximum and minimum temperature for the following period is predicted to be 22-24°C and 12-13°C respectively. Expected morning and evening relative humidity will be 65-88% and 31-56% respectively. Wind direction is E with speed range of 6-8 kmph.
Warning:	Heavy rainfall is likely in few isolated places

Weather Based Agro-meteorological Advisories Bulletin

General recommendations

- Disinfecting the animal/bird sheds with lime powder/ bleaching powder/ 4%NaOH at regular interval is advocated
- Go for 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			
Pea	Fruiting		<ul style="list-style-type: none"> Pick/harvest green pods at 4/5 days interval to stimulate new flowers. Harvest on dry/sunny weather when the plant get try
VEGETABLES			
Cole crops	Nursery		<ul style="list-style-type: none"> Raising nursery can be carried out in higher altitudes/ cold areas
Tomato	Vegetative/Nursery		<ul style="list-style-type: none"> Cover the crop with polyethene/cloths to protect from frost/rain Nursery raising under protected cultivation
Pre-summer vegetables	Sowing		<ul style="list-style-type: none"> Avoid sowing of pre-summer vegetables like okra, frenchbean etc as the germination percentage will be very low Right time for transplanting the ready seedlings of chili, tomato, capsicum etc. Provide proper drainage to newly transplanted seedlings and follow raised bed for sowing
HORTICULTURAL CROPS			
Ginger	Planting material collection/preparation		<ul style="list-style-type: none"> Identify healthy plants for seed rhizomes/ collect better seedlings from ICAR Basar or KVK West Siang/Anjaw Keep selected rhizomes for planting material in partial shade for better sprouting. Mulching materials like forest litters or crop residues should be collected in advance
Citrus	Floral bud differentiation stage	Trunk borer	<ul style="list-style-type: none"> Remove all water sprouts from the base of the plant Provide drainage ditches with gravel or stones to prevent erosion and allow vegetation to grow in ditches to slow run off. On clear/dry weather, manuring of orange trees of 8 years or above with FYM@30kg/tree in ring method followed by mulching.
Apple	Vegetative	Wooly aphids	<ul style="list-style-type: none"> Swab the stem with mineral oil against wooly aphid.
Large Cardamom	Vegetative		<ul style="list-style-type: none"> Remove dry, diseased and old tillers and branches Proper shade management Field sanitation and nutrient management
Agroforestry			
Toko palm	Nursery		Filling of nursery polybags for raising of takopalm seedlings
Honey Bees			
Honey bees			<ul style="list-style-type: none"> In case of rain provide sugar syrup
LIVESTOCKS			
Livestock	Stage	Disease	Precautionary Practices to be followed
Pigs	All stages	FMD (high fever and appearance of mucous membrane of the mouth and foot.)	<ul style="list-style-type: none"> Provide adequate bedding material (paddy straw, rice husk) to newly born piglets. Animals should be given lukewarm feed and water. All animals should be tethered in a covered shelter. Keep the houses dry and clean. 1st injection at 6 months of age and 2nd injection at 12 months of age followed by annual vaccination under vet supervision
Poultry	All stages		<ul style="list-style-type: none"> Follow 'All in All out' system of rearing and do not rear birds of different age groups together. Avoid overcrowding. Avoid rearing of Day-Old-Chicks Provide sufficient bedding materials to keep them warm Provide adequate clean drinking water+electrolyte and multi-vitamins Vaccination as per the schedule with proper consultation with vet. <ul style="list-style-type: none"> ➤ Day old chick: HVT Marek disease vaccine, 4-7 days:

			<p>F/Lasota, 14-18 days: Intermediate plus/IBD vaccine, 35 days: F/Lasota, 6-7 weeks: Chicken embryo adopted fowl pox vaccine and 56-70 days: RD R-2B strain.</p> <ul style="list-style-type: none"> • Remove wet litter/provide artificial heating and light
Fishery			<ul style="list-style-type: none"> • Best time to prepare the culture pond like cleaning aquatic weeds
Cattle	All stages	FMD	<ul style="list-style-type: none"> • 1st injection at 6-8 weeks of age, 2nd injection after 6 months of 1st injection followed by annual vaccination under vet supervision
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.
<p>Contact Scientists (ICAR) or State Agril Staff or KVK staff for measures against adverse conditions or call at 03795-226237/226247</p>			

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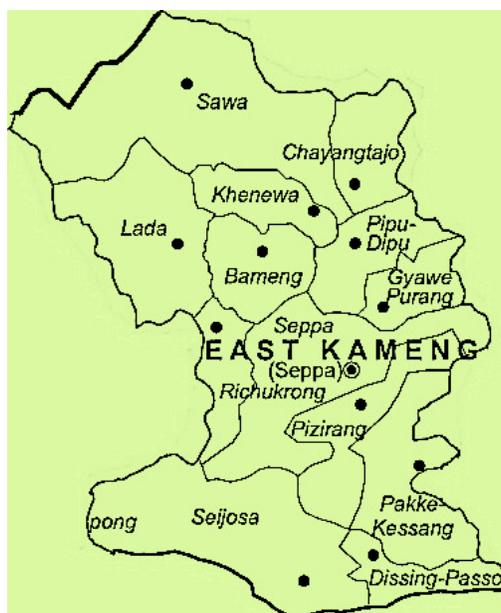
भा.क.अ.प. - पू.प.सं.
ICAR - RCNEH

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

District: East Kameng

No: 22/2017/Fri

Dated: 17th March 2017



Weather summary of the previous week	Weather forecast valid up to 22 nd March 2017
Rainfall = 0.0 mm	Partly cloudy sky with possibility of light rainfall up to 21 st March. Daily maximum and minimum temperature for the following period is predicted to be 20-22°C and 11-12°C respectively. Expected morning and evening relative humidity will be 72-90% and 45-51% respectively. Expected wind direction is NE with speed range of 2-6 kmph.
Warning:	Heavy rainfall is likely in few 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			
Pea	Sowing		<ul style="list-style-type: none"> Sowing of pea can be done in higher altitudes
Maize	Sowing		<ul style="list-style-type: none"> Sowing can be done in higher altitude
VEGETABLES			
Cole crops	Nursery		<ul style="list-style-type: none"> Raising nursery can be carried out in higher altitudes/ cold areas
Tomato	Vegetative/Nursery		<ul style="list-style-type: none"> Cover the crop with polyethene/cloths to protect from frost/rain Nursery raising under protected cultivation
Pre-summer vegetables	Sowing		<ul style="list-style-type: none"> Avoid sowing of pre-summer vegetables like okra, frenchbean etc as the germination percentage will be very low Right time for transplanting the ready seedlings of chili, tomato, capsicum etc.
HORTICULTURAL CROPS			
Ginger	Planting material collection/preparation		<ul style="list-style-type: none"> Identify healthy plants for seed rhizomes/ collect better seedlings from ICAR Basar or KVK West Siang/Anjaw Keep selected rhizomes for planting material in partial shade for better sprouting. Mulching materials like forest litters or crop residues should be collected in advance
Citrus	Floral bud differentiation stage	Bark eating caterpillar/aphids/ trunk borer	<ul style="list-style-type: none"> Remove all water sprouts from the base of the plant Provide drainage ditches with gravel or stones to prevent erosion and allow vegetation to grow in ditches to slow run off.
Large Cardamom	Vegetative		<ul style="list-style-type: none"> Remove dry, diseased and old tillers and branches Proper shade management Field sanitation and nutrient management
Honey Bees			
Honey Bees			<ul style="list-style-type: none"> Box must be covered with straw/dry leaves to provide warmth
Agroforestry			
Toko palm	Nursery		Filling of nursery polybags for raising of takopalm seedlings
LIVESTOCKS			
Livestock	Stage	Disease	Precautionary Practices to be followed
Pigs	All stages	FMD (high fever and appearance of mucous membrane of the mouth and foot.)	<ul style="list-style-type: none"> Provide adequate bedding material (paddy straw, rice husk) to newly born piglets. Animals should be given lukewarm feed and water. All animals should be tethered in a covered shelter. Keep the houses dry and clean. 1st injection at 6 months of age and 2nd injection at 12 months of age followed by annual vaccination under vet supervision
Poultry	All stages		<ul style="list-style-type: none"> Follow 'All in All out' system of rearing and do not rear birds of different age groups together. Avoid overcrowding. Avoid rearing of Day-Old-Chicks Provide sufficient bedding materials to keep them warm Provide adequate clean drinking water+electrolyte and multi-vitamins Vaccination as per the schedule with proper consultation with vet. <ul style="list-style-type: none"> ➤ Day old chick: HVT Marek disease vaccine, 4-7 days: F/Lasota, 14-18 days: Intermediate plus/IBD vaccine, 35 days: F/Lasota, 6-7 weeks: Chicken embryo adopted fowl pox vaccine and 56-70 days: RD R-2B strain. Remove wet litter/provide artificial heating and light
Fishery			<ul style="list-style-type: none"> Best time to prepare the culture pond like cleaning aquatic weeds
Cattle	All stages	FMD	<ul style="list-style-type: none"> 1st injection at 6-8 weeks of age, 2nd injection after 6 months of 1st

			injection followed by annual vaccination under vet supervision
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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भा क अनु - पू प सं
ICAR - RCNEH

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

District: East Siang

No: 22/2017/Fri

Dated: 17th March 2017



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

Weather summary of the previous week	Weather forecast valid up to 22 nd March 2017
Rainfall: 0.0 mm; T. Max: 29.0°C; T. Min: 16°C ; RH: 51-90 %	Partly cloudy sky forecasted with possibility of light/moderate rainfall up to 21 st March. Daily maximum and minimum temperature for the following period is predicted to be 27-29°C and 16-17°C respectively. Expected morning and evening relative humidity will be 76-91% and 31-69% respectively. Expected wind direction is W with speed range of 5-7 kmph.
Warning:	Heavy rainfall is likely in few 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			
Maize/ cowpea	Sowing		<ul style="list-style-type: none"> Right time for sowing of local/early maize especially in higher altitude with raised bed techniques Seed treatment of early maize/cowpea with Imidichloropid @ 1-2g/10kg is recommended before sowing Proper drainage to already sown field
Pea	Fruiting		<ul style="list-style-type: none"> Pick/harvest green pods at 4/5 days interval to stimulate new flowers. Harvest on dry/sunny weather when the plant get try
VEGETABLES			
Cole crops	Nursery		<ul style="list-style-type: none"> Raising nursery can be carried out in higher altitudes/ cold areas
Tomato	Vegetative/Nursery		<ul style="list-style-type: none"> Cover the crop with polyethene/cloths to protect from frost/rain Nursery raising under protected cultivation
Pre-summer vegetables	Sowing		<ul style="list-style-type: none"> Sowing of pre-summer vegetables like okra, frenchbean etc may be avoided during rainy days Right time for transplanting the ready seedlings of chili, tomato, capsicum etc. Provide proper drainage to newly transplanted seedlings and follow raised bed for sowing
HORTICULTURAL CROPS			
Ginger	Planting material collection/preparation		<ul style="list-style-type: none"> Identify healthy plants for seed rhizomes/ collect better seedlings from ICAR Basar or KVK West Siang/Anjaw Keep selected rhizomes for planting material in partial shade for better sprouting. Mulching materials like forest litters or crop residues should be collected in advance
Citrus	Floral bud differentiation stage	Bark eating caterpillar/aphids	<ul style="list-style-type: none"> Remove all water sprouts from the base of the plant Provide drainage ditches with gravel or stones to prevent erosion and allow vegetation to grow in ditches to slow run off.
Large Cardamom	Vegetative		<ul style="list-style-type: none"> Remove dry, diseased and old tillers and branches Proper shade management Field sanitation and nutrient management
Honey Bees			
Honey bees			<ul style="list-style-type: none"> On prolong rain, provide sugar syrup
LIVESTOCKS			
Livestock	Stage	Disease	Precautionary Practices to be followed
Pigs	All stages	FMD (high fever and appearance of mucous membrane of the mouth and foot.)	<ul style="list-style-type: none"> 1st injection at 6 months of age and 2nd injection at 12 months of age followed by annual vaccination under vet supervision
Poultry	All stages		<ul style="list-style-type: none"> Follow 'All in All out' system of rearing and do not rear birds of different age groups together. Provide adequate clean drinking water+electrolyte and multi-vitamins Vaccination as per the schedule with proper consultation with vet. <ul style="list-style-type: none"> ➤ Day old chick: HVT Marek disease vaccine, 4-7 days: F/Lasota, 14-18 days: Intermediate plus/IBD vaccine, 35 days: F/Lasota, 6-7 weeks: Chicken embryo adopted fowl pox vaccine and 56-70 days: RD R-2B strain. Remove wet litter/provide artificial heating and light
Fishery			<ul style="list-style-type: none"> Best time to prepare the culture pond like cleaning aquatic weeds
Cattle	All stages	FMD	<ul style="list-style-type: none"> 1st injection at 6-8 weeks of age, 2nd injection after 6 months of 1st injection followed by annual vaccination under vet supervision
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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ग्रामीण कृषि मौसम सेवा



GRAMIN KRISHI MAUSAM SEWA

(Integrated Agro-Meteorological Advisory Services)



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

District: Kurung Kumey

No: 22/2017/Fri

Dated: 17th March 2017



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

Weather summary of the previous week	Weather forecast valid up to 22 nd March 2016
Past weather summary not available	Partly cloudy sky with possibility of light/moderate rainfall up to 21 st March. Daily maximum and minimum temperature for the following period is predicted to be 24-27°C and 14-16°C respectively. Expected morning and evening relative humidity will be 82-92% and 55-71% respectively. Wind direction is WNW/E with speed range of 2-6 kmph.
Warning	Heavy rainfall is likely in few 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			
Potato	Harvesting		<ul style="list-style-type: none"> • Store potatoes in a cool, well ventilated place • Do not store the tubers immediately if they are exposed to rain after harvest. • Avoid bruising and skinning of tubers otherwise tubers become susceptible to rot diseases • Don't wash potatoes before storing as dampness promotes early spoilage. • Sorting and removal of rotted and damaged tubers before and after storage.
Pea	Sowing		<ul style="list-style-type: none"> • Sowing of pea recommended for higher altitudes after 6 March
VEGETABLES			
Pre-summer vegetables	Sowing		<ul style="list-style-type: none"> • Sowing of pre-summer vegetables like French bean, capsicum etc may be avoided during rainy days • Sowing of okra may be delayed • Proper drainage should be maintained if already sown • Seed treatment with Imidichloropid @ 1-2g/10kg is recommended before sowing
HORTICULTURAL CROPS			
Ginger	Planting material collection/preparation		<ul style="list-style-type: none"> • Identify healthy plants for seed rhizomes/ collect better seedlings from ICAR Basar or KVK West Siang/Anjaw • Keep selected rhizomes for planting material in partial shade for better sprouting. • Mulching materials like forest litters or crop residues should be collected in advance
Citrus	Floral bud differentiation stage	Bark eating caterpillar/aphid s/ Trunk borer	<ul style="list-style-type: none"> • Foliar spray of micronutrients like Tracel@4g/lit of water to maintain proper health of tree recommended before 2nd March. • Remove all water sprouts from the base of the plant
Large Cardamom	Vegetative		<ul style="list-style-type: none"> • Remove dry, diseased and old tillers and branches • Proper shade management • Field sanitation and nutrient management
Apple	Vegetative	Wooly aphids	<ul style="list-style-type: none"> • Swab the stem with mineral oil against wooly aphid.
Agroforestry			
Toko palm	Nursery		Filling of nursery polybags for raising of takopalm seedlings
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
Cattle	All stages	FMD	<ul style="list-style-type: none"> • 1st injection at 6-8 weeks of age, 2nd injection after 6 months of 1st injection followed by annual vaccination under vet supervision • Separate sick animals • The animal should be washed with lukewarm water added with little potash (KMnO₄) or neem leaves • Long hair near the udder/stomach/back legs should be teamed short.
Pigs	All stages	FMD (high fever and appearance of mucous membrane of the mouth and foot.)	<ul style="list-style-type: none"> • Provide adequate bedding material (paddy straw, rice husk) to newly born piglets. • Animals should be given lukewarm feed and water. • All animals should be tethered in a covered shelter. Keep the houses dry and clean. • 1st injection at 6 months of age and 2nd injection at 12 months of age followed by annual vaccination under vet supervision
Poultry	All stages		<ul style="list-style-type: none"> • Follow 'All in All out' system of rearing and do not rear birds of different age groups together. • Avoid overcrowding.



			<ul style="list-style-type: none"> • Avoid rearing of Day-Old-Chicks • Provide sufficient bedding materials to keep them warm • Provide adequate clean drinking water+electrolyte and multi-vitamins • Vaccination as per the schedule with proper consultation with vet. <ul style="list-style-type: none"> ➤ Day old chick: HVT Marek disease vaccine, 4-7 days: F/Lasota, 14-18 days: Intermediate plus/IBD vaccine, 35 days: F/Lasota, 6-7 weeks: Chicken embryo adopted fowl pox vaccine and 56-70 days: RD R-2B strain. • Remove wet litter/provide artificial heating and light
Fishery			<ul style="list-style-type: none"> • Best time to prepare the culture pond like cleaning aquatic weeds
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: 17th to 21st March 2017)

ग्रामीण कृषि मौसम सेवा



GRAMIN KRISHI MAUSAM SEWA

(Integrated Agro-Meteorological Advisory Services)

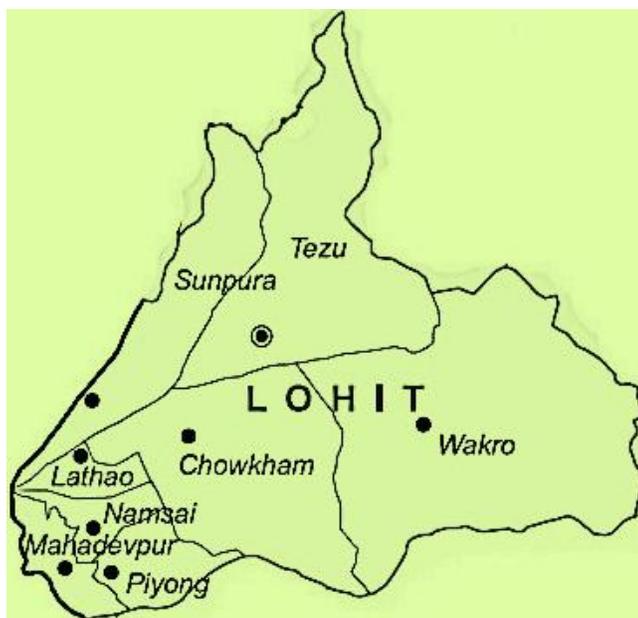


ICAR Research Complex for NEH Region
Arunachal Pradesh Centre, Basar-791101

District: Lohit

No: 22/2017/Fri

Dated: 17th March 2017



Weather summary of the previous week	Weather forecast valid up to 22 nd March 2017
Rainfall = 0.0 mm (Tezu)	Partly cloudy weather with possibility of light/moderate rainfall. Daily maximum and minimum temperature for the following period is predicted to be 24-26°C and 14-15°C respectively. Expected morning and evening relative humidity will be 77-90% and 27-44% respectively. Wind direction is East with speed range of 5-7 kmph.
Warning:	Heavy rainfall is likely in few 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			
Pea	Fruiting		<ul style="list-style-type: none"> Pick/harvest green pods at 4/5 days interval to stimulate new flowers. Harvest on dry/sunny weather when the plant get try
VEGETABLES			
Cole crops	Nursery		<ul style="list-style-type: none"> Raising nursery can be carried out in higher altitudes/ cold areas
Tomato	Vegetative/Nursery		<ul style="list-style-type: none"> Cover the crop with polyethene/cloths to protect from frost/rain Nursery raising under protected cultivation
Pre-summer vegetables	Sowing		<ul style="list-style-type: none"> Avoid sowing of pre-summer vegetables like okra, frenchbean etc as the germination percentage will be very low Right time for transplanting the ready seedlings of chili, tomato, capsicum etc. Provide proper drainage to newly transplanted seedlings and follow raised bed for sowing
HORTICULTURAL CROPS			
Ginger	Planting material collection/preparation		<ul style="list-style-type: none"> Identify healthy plants for seed rhizomes/ collect better seedlings from ICAR Basar or KVK West Siang/Anjaw Keep selected rhizomes for planting material in partial shade for better sprouting. Mulching materials like forest litters or crop residues should be collected in advance
Citrus	Floral bud differentiation stage	Trunk borer	<ul style="list-style-type: none"> Remove all water sprouts from the base of the plant Provide drainage ditches with gravel or stones to prevent erosion and allow vegetation to grow in ditches to slow run off.
Large Cardamom	Vegetative		<ul style="list-style-type: none"> Remove dry, diseased and old tillers and branches Proper shade management Field sanitation and nutrient management
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
Pigs	All stages	FMD (high fever and appearance of mucous membrane of the mouth and foot.)	<ul style="list-style-type: none"> Provide adequate bedding material (paddy straw, rice husk) to newly born piglets. Animals should be given lukewarm feed and water. All animals should be tethered in a covered shelter. Keep the houses dry and clean. 1st injection at 6 months of age and 2nd injection at 12 months of age followed by annual vaccination under vet supervision
Poultry	All stages		<ul style="list-style-type: none"> Follow 'All in All out' system of rearing and do not rear birds of different age groups together. Avoid overcrowding. Avoid rearing of Day-Old-Chicks Provide sufficient bedding materials to keep them warm Provide adequate clean drinking water+electrolyte and multi-vitamins Vaccination as per the schedule with proper consultation with vet. <ul style="list-style-type: none"> ➤ Day old chick: HVT Marek disease vaccine, 4-7 days: F/Lasota, 14-18 days: Intermediate plus/IBD vaccine, 35 days: F/Lasota, 6-7 weeks: Chicken embryo adopted fowl pox vaccine and 56-70 days: RD R-2B strain. Remove wet litter/provide artificial heating and light
Fishery			<ul style="list-style-type: none"> Best time to prepare the culture pond like cleaning aquatic weeds
Cattle	All stages	FMD	<ul style="list-style-type: none"> 1st injection at 6-8 weeks of age, 2nd injection after 6 months of 1st injection followed by annual vaccination under vet supervision Separate sick animals The animal should be washed with lukewarm water added with

			little potash (KMnO ₄) or neem leaves • Long hair near the udder/stomach/back legs should be teamed short.
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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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Agro-met Advisory Bulletin

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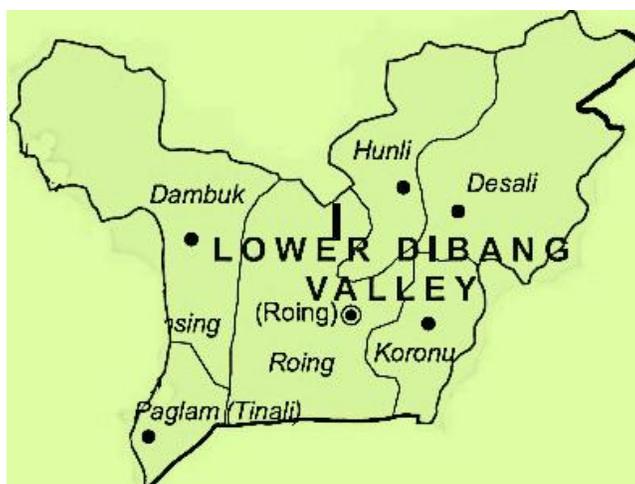


ICAR Research Complex for NEH Region
Arunachal Pradesh Centre, Basar-791101

District: Lower Dibang Valley

No: 22/2017/Fri

Dated: 17th March 2017



Weather summary of the previous week	Weather forecast valid up to 22 nd March 2017
Rainfall = 14.6 mm (Roing)	Partly cloudy sky with light/moderate rainfall forecasted up to 21 st March. Daily maximum and minimum temperature for the following period is predicted to be 23-29°C and 14-15°C respectively. Expected morning and evening relative humidity will be 62-87% and 25-48% respectively. Wind direction is East with speed range of 6-7 kmph.
Warning:	Heavy rainfall is likely in few isolated places

Weather Based Agro-meteorological Advisories Bulletin

General Recommendations

- Disinfecting the animal/bird sheds with lime powder/ bleaching powder/ 4%NaOH at regular interval is advocated
- Spraying operation should be done only on dry/clear weather
- Go for low cost 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	Fruiting		<ul style="list-style-type: none"> Pick/harvest green pods at 4/5 days interval to stimulate new flowers. Harvest on dry/sunny weather when the plant get try
VEGETABLES			
Cole crops	Nursery		<ul style="list-style-type: none"> Raising nursery can be carried out in higher altitudes/ cold areas
Pre-summer vegetables	Sowing		<ul style="list-style-type: none"> Sowing of pre-summer vegetables like okra, frenchbean etc can be done Right time for transplanting the ready seedlings of chili, tomato, capsicum etc. Provide proper drainage to newly transplanted seedlings and follow raised bed for sowing
HORTICULTURAL CROPS			
Ginger	Planting material collection/preparation		<ul style="list-style-type: none"> Identify healthy plants for seed rhizomes/ collect better seedlings from ICAR Basar or KVK West Siang/Anjaw Keep selected rhizomes for planting material in partial shade for better sprouting. Mulching materials like forest litters or crop residues should be collected in advance
Citrus	Floral bud differentiation stage	Trunk borer	<ul style="list-style-type: none"> Remove all water sprouts from the base of the plant Provide drainage ditches with gravel or stones to prevent erosion and allow vegetation to grow in ditches to slow run off.
Large Cardamom	Vegetative		<ul style="list-style-type: none"> Remove dry, diseased and old tillers and branches Proper shade management Field sanitation and nutrient management
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
Pigs	All stages	FMD (high fever and appearance of mucous membrane of the mouth and foot.)	<ul style="list-style-type: none"> Provide adequate bedding material (paddy straw, rice husk) to newly born piglets. Animals should be given lukewarm feed and water. All animals should be tethered in a covered shelter. Keep the houses dry and clean. 1st injection at 6 months of age and 2nd injection at 12 months of age followed by annual vaccination under vet supervision
Poultry	All stages		<ul style="list-style-type: none"> Follow 'All in All out' system of rearing and do not rear birds of different age groups together. Avoid overcrowding. Avoid rearing of Day-Old-Chicks Provide sufficient bedding materials to keep them warm Provide adequate clean drinking water+electrolyte and multi-vitamins Vaccination as per the schedule with proper consultation with vet. <ul style="list-style-type: none"> ➤ Day old chick: HVT Marek disease vaccine, 4-7 days: F/Lasota, 14-18 days: Intermediate plus/IBD vaccine, 35 days: F/Lasota, 6-7 weeks: Chicken embryo adopted fowl pox vaccine and 56-70 days: RD R-2B strain. Remove wet litter/provide artificial heating and light
Cattle	All stages	FMD	<ul style="list-style-type: none"> 1st injection at 6-8 weeks of age, 2nd injection after 6 months of 1st injection followed by annual vaccination under vet supervision

			<ul style="list-style-type: none">• Separate sick animals• The animal should be washed with lukewarm water added with little potash (KMnO₄) or neem leaves• Long hair near the udder/stomach/back legs should be teamed short.
Fishery			<ul style="list-style-type: none">• Best time to prepare the culture pond like cleaning aquatic weeds
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)



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

District: Lower Subansiri

No: 22/2017/Fri

Dated: 17th March 2017



Weather summary of the previous week	Weather forecast valid up to 22 nd March 2017
Rainfall = 0.0 mm (Ziro)	Partly cloudy sky with light/moderate rainfall up to 21 st forecasted. Daily maximum and minimum temperature for the following period is predicted to be 23-25°C and 11-13°C respectively. Expected morning and evening relative humidity will be 86-95% and 58-67% respectively. Wind direction is ENE/WSW with speed range of 2-6 kmph.
Warning:	Heavy rainfall is likely in few isolated places

Weather Based Agro-meteorological Advisories Bulletin

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

Crop	Stage	Pest/Disease	Precautionary Practices to be followed
FIELD CROPS			
Potato	Harvesting		<ul style="list-style-type: none"> • Store potatoes in a cool, well ventilated place • Do not store the tubers immediately if they are exposed to rain after harvest.
Pea	Sowing/ Harvesting		<ul style="list-style-type: none"> • Sowing of pea recommended for higher altitudes • Immediately harvest mature crops in lower altitudes
VEGETABLES			
Cole crops	Nursery		<ul style="list-style-type: none"> • Raising nursery can be carried out in higher altitudes/ cold areas
Tomato	Vegetative		<ul style="list-style-type: none"> • Cover the crop with polyethene/cloths to protect from frost/rain
Pre-summer vegetables	Sowing		<ul style="list-style-type: none"> • Sowing of pre-summer vegetables like okra, frenchbean etc should be avoided in rainy days • Right time for transplanting the ready seedlings of chili, tomato, capsicum etc. • Provide proper drainage to newly transplanted seedlings and follow raised bed for sowing
HORTICULTURAL CROPS			
Citrus	Floral bud differentiation stage	Phytophthora symptoms	•
		Citrus psylla & Leaf miner	•
		Bark eating caterpillar	•
		Aphids	•
			<ul style="list-style-type: none"> • Remove all water sprouts from the base of the plant • Provide drainage ditches with gravel or stones to prevent erosion and allow vegetation to grow in ditches to slow run off.
Large Cardamom	Vegetative		<ul style="list-style-type: none"> • Remove dry, diseased and old tillers and branches • Proper shade management • Field sanitation and nutrient management
Banana	Bunching	Cold	<ul style="list-style-type: none"> • Timely/regular removal of extra suckers, dry leaves & pseudo-stem
Ginger	Planting material collection/preparation		<ul style="list-style-type: none"> • Identify healthy plants for seed rhizomes/ collect better seedlings from ICAR Basar or KVK West Siang/Anjaw • Keep selected rhizomes for planting material in partial shade for better sprouting. • Mulching materials like forest litters or crop residues should be collected in advance
Kiwi	Planting		<ul style="list-style-type: none"> • Pit size: 60cmX60cmX60cm • Spacing: 6mX4m (Plant to plant and row to row) • In kiwi the male and female plants are borne on different vines. So a male plant is provided for pollination of 6-8 plants at every third plant from the second row. • Pit filling: mixture of top soil, 20-30kg FYM along with chloropyriphos@25-30g/pit (to avoid insect damage)
Apple	Vegetative	Wooly aphids	<ul style="list-style-type: none"> • Swab the stem with mineral oil against wooly aphid.
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
Pigs	All stages	FMD (high fever and appearance of mucous membrane of the mouth and foot.)	<ul style="list-style-type: none"> • Provide adequate bedding material (paddy straw, rice husk) to newly born piglets. • Animals should be given lukewarm feed and water. • All animals should be tethered in a covered shelter. Keep the houses dry and clean. • 1st injection at 6 months of age and 2nd injection at 12 months of age followed by annual vaccination under vet supervision
Poultry	All stages		<ul style="list-style-type: none"> • Follow 'All in All out' system of rearing and do not rear birds of different age groups together. • Avoid overcrowding. • Avoid rearing of Day-Old-Chicks • Provide sufficient bedding materials to keep them warm • Provide adequate clean drinking water+electrolyte and multi-vitamins • Vaccination as per the schedule with proper consultation with vet. <ul style="list-style-type: none"> ➤ Day old chick: HVT Marek disease vaccine, 4-7 days: F/Lasota, 14-18 days: Intermediate plus/IBD vaccine, 35 days: F/Lasota, 6-7 weeks: Chicken embryo adopted fowl pox vaccine and 56-70 days: RD R-2B strain. • Remove wet litter/provide artificial heating and light
Fishery			<ul style="list-style-type: none"> • Best time to prepare the culture pond like cleaning aquatic weeds
Cattle	All stages	FMD	<ul style="list-style-type: none"> • 1st injection at 6-8 weeks of age, 2nd injection after 6 months of 1st injection followed by annual vaccination under vet supervision • Separate sick animals • The animal should be washed with lukewarm water added with little potash (KMnO₄) or neem leaves • Long hair near the udder/stomach/back legs should be teamed short.
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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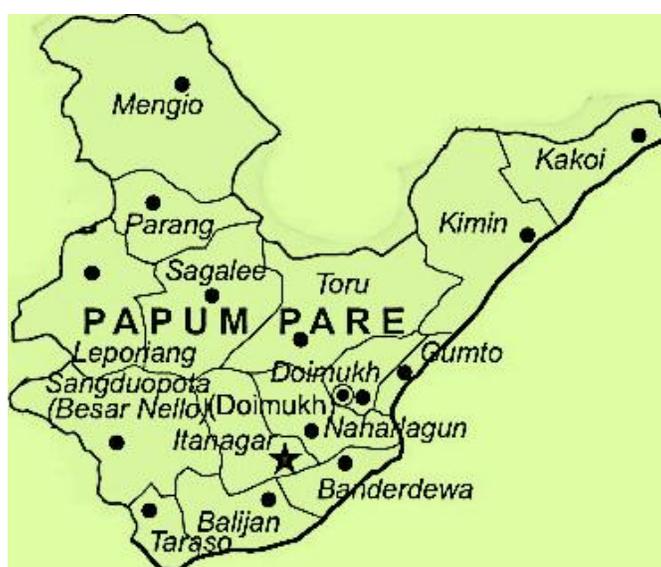


ICAR Research Complex for NEH Region
Arunachal Pradesh Centre, Basar-791101

District: Papum Pare

No: 22/2017/Fri

Dated: 17th March 2017



Weather summary of the previous week	Weather forecast valid up to 22 nd March 2017
Rainfall: 0.0 mm; T. Max: 31.0°C; T. Min: 14.0°C ; RH: 52-63%	Partly cloudy sky with possibility of light rainfall up to 21st March. Daily maximum and minimum temperature for the following period is predicted to be 29-31°C and 15-16°C respectively. Expected morning and evening relative humidity will be 72-88% and 37-46% respectively. Expected wind direction is ENE with speed range of 3-5 kmph.
Warning:	Heavy rainfall is likely in few isolated places

Weather Based Agro-meteorological Advisories Bulletin

General Recommendations

- **Disinfecting the animal/bird sheds with lime powder/ bleaching powder/ 4%NaOH at regular interval is advocated**
- **Spraying operation should be done only on dry/clear weather**
- **Go for low cost 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			
Maize	Sowing		<ul style="list-style-type: none"> Sowing of early/local maize advocated in higher altitudes
Pea	Fruiting		<ul style="list-style-type: none"> Pick/harvest green pods at 4/5 days interval to stimulate new flowers. Immediately harvest mature crops
VEGETABLES			
Cole crops	Nursery		<ul style="list-style-type: none"> Raising nursery can be carried out in higher altitudes/ cold areas
Tomato	Vegetative/Nursery		<ul style="list-style-type: none"> Cover the crop with polyethene/cloths to protect from frost/rain Nursery raising under protected cultivation
Pre-summer vegetables	Sowing		<ul style="list-style-type: none"> Sowing of pre-summer vegetables like French bean, capsicum etc advocated Seed treatment with Imidichloropid @ 1-2g/10kg is recommended before sowing
HORTICULTURAL CROPS			
Ginger	Planting material collection/preparation		<ul style="list-style-type: none"> Identify healthy plants for seed rhizomes/ collect better seedlings from ICAR Basar or KVK West Siang/Anjaw Keep selected rhizomes for planting material in partial shade for better sprouting. Mulching materials like forest litters or crop residues should be collected in advance
Citrus	Floral bud differentiation stage	Bark eating caterpillar/aphids	<ul style="list-style-type: none"> Provide drainage ditches with gravel or stones to prevent erosion and allow vegetation to grow in ditches to slow run off.
Large Cardamom	Vegetative		<ul style="list-style-type: none"> Remove dry, diseased and old tillers and branches Proper shade management Field sanitation and nutrient management
Banana	Bunching	Cold	<ul style="list-style-type: none"> Timely/regular removal of extra suckers, dry leaves & pseudo-stem
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
Cattle	All stages	FMD	<ul style="list-style-type: none"> 1st injection at 6-8 weeks of age, 2nd injection after 6 months of 1st injection followed by annual vaccination under vet supervision Separate sick animals The animal should be washed with lukewarm water added with little potash (KMnO₄) or neem leaves Long hair near the udder/stomach/back legs should be teamed short.
Pigs	All stages	FMD (high fever and appearance of mucous membrane of the mouth and foot.)	<ul style="list-style-type: none"> 1st injection at 6 months of age and 2nd injection at 12 months of age followed by annual vaccination under vet supervision
Poultry	All stages		<ul style="list-style-type: none"> Follow 'All in All out' system of rearing and do not rear birds of different age groups together. Avoid overcrowding. Provide adequate clean drinking water+electrolyte and multi-vitamins Vaccination as per the schedule with proper consultation with vet. <ul style="list-style-type: none"> ➤ Day old chick: HVT Marek disease vaccine, 4-7 days: F/Lasota, 14-18 days: Intermediate plus/IBD vaccine, 35 days: F/Lasota, 6-7 weeks: Chicken embryo adopted fowl pox

			vaccine and 56-70 days: RD R-2B strain.
Fishery			<ul style="list-style-type: none"> • Remove wet litter/provide artificial heating and light • Best time to prepare the culture pond like cleaning aquatic weeds
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: 17th to 21st March 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: Tawang

No: 22/2017/Fri

Dated: 17th March 2017



Weather summary of the previous week	Weather forecast valid up to 22 nd March 2017
Rainfall = 2.0 mm	Partly cloudy sky with possibility of light/moderate rainfall up to 21 st March. Daily maximum and minimum temperature for the following period is predicted to be 9-10°C and 3-6°C respectively. Expected morning and evening relative humidity will be 57-89% and 35-50% respectively. Wind direction is NE with probable speed range of 4-10 kmph.
Warning:	Heavy rainfall is likely in few isolated places

Weather Based Agro-meteorological Advisories Bulletin

General Recommendations

- Disinfecting the animal/bird sheds with lime powder/ bleaching powder/ 4%NaOH at regular interval is advocated
- 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			
Potato	Harvesting		<ul style="list-style-type: none"> • Store potatoes in a cool, well ventilated place • Do not store the tubers immediately if they are exposed to rain after harvest. • Avoid bruising and skinning of tubers otherwise tubers become susceptible to rot diseases
VEGETABLES			
Cole crops	Nursery		<ul style="list-style-type: none"> • Raising nursery can be carried out in higher altitudes/ cold areas
Pre-summer vegetables	Sowing		<ul style="list-style-type: none"> • Sowing of pre-summer vegetables like okra, frenchbean etc should be avoided • If already sown, provide proper drainage in the field
HORTICULTURAL CROPS			
Citrus	Floral bud differentiation stage	Trunk borer	<ul style="list-style-type: none"> • Remove all water sprouts from the base of the plant • Provide drainage ditches with gravel or stones to prevent erosion and allow vegetation to grow in ditches to slow run off
Apple	Vegetative	Woolly aphids	<ul style="list-style-type: none"> • Swab the stem with mineral oil against woolly aphid.
Agroforestry			
Toko palm	Nursery		Filling of nursery polybags for raising of takopalm seedlings
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
Pigs	All stages	FMD (high fever and appearance of mucous membrane of the mouth and foot.)	<ul style="list-style-type: none"> • Provide adequate bedding material (paddy straw, rice husk) to newly born piglets. • Animals should be given lukewarm feed and water. • All animals should be tethered in a covered shelter. Keep the houses dry and clean. • 1st injection at 6 months of age and 2nd injection at 12 months of age followed by annual vaccination under vet supervision
Poultry	All stages		<ul style="list-style-type: none"> • Follow 'All in All out' system of rearing and do not rear birds of different age groups together. • Avoid overcrowding. • Avoid rearing of Day-Old-Chicks • Provide sufficient bedding materials to keep them warm • Provide adequate clean drinking water+electrolyte and multi-vitamins • Vaccination as per the schedule with proper consultation with vet. <ul style="list-style-type: none"> ➤ Day old chick: HVT Marek disease vaccine, 4-7 days: F/Lasota, 14-18 days: Intermediate plus/IBD vaccine, 35 days: F/Lasota, 6-7 weeks: Chicken embryo adopted fowl pox vaccine and 56-70 days: RD R-2B strain. • Remove wet litter/provide artificial heating and light
Fishery			<ul style="list-style-type: none"> • Best time to prepare the culture pond like cleaning aquatic weeds.
Cattle	All stages	FMD	<ul style="list-style-type: none"> • 1st injection at 6-8 weeks of age, 2nd injection after 6 months of 1st injection followed by annual vaccination under vet supervision • Separate sick animals • The animal should be washed with lukewarm water added with little potash (KMnO₄) or neem leaves • Long hair near the udder/stomach/back legs should be teamed short.
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: 17th to 21st March 2017)

ग्रामीण कृषि मौसम सेवा



GRAMIN KRISHI MAUSAM SEWA

(Integrated Agro-Meteorological Advisory Services)

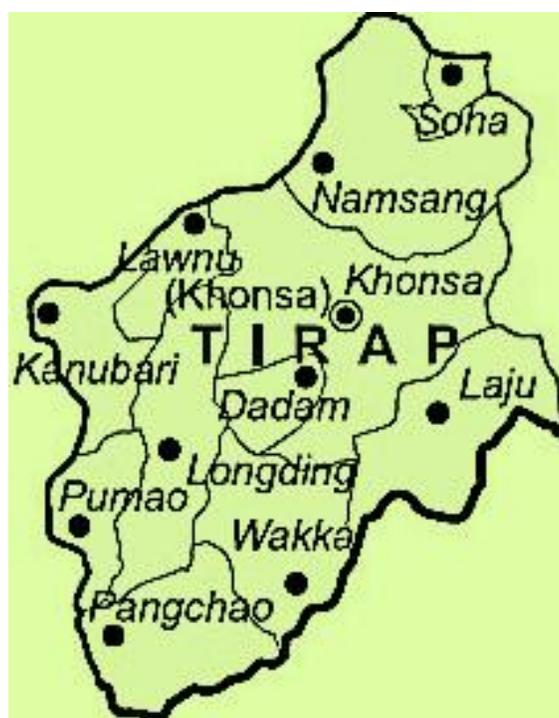


ICAR Research Complex for NEH Region
Arunachal Pradesh Centre, Basar-791101

District: Tirap

No: 22/2017/Fri

Dated: 17th March 2017



Weather summary of the previous week	Weather forecast valid up to 22 nd March 2017
Rainfall = 0.0 mm (Deomali)	Partly cloudy with possibility of light rainfall up to 21 st March. Daily maximum and minimum temperature for the following period is predicted to be 27-28°C and 14-16°C respectively. Expected morning and evening relative humidity will be 91-99% and 33-61% respectively. Wind direction is SE with speed range of 2 kmph.
Warning:	Heavy rainfall is likely in few isolated places

Weather Based Agro-meteorological Advisories Bulletin

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

Crop	Stage	Pest/Disease	Precautionary Practices to be followed
FIELD CROPS			
Maize/ cowpea	Sowing		<ul style="list-style-type: none"> Right time for sowing of local/early maize and Cowpea Seed treatment of early maize/cowpea with Imidichloropid @ 1-2g/10kg is recommended before sowing
Pea	Fruiting		<ul style="list-style-type: none"> Pick/harvest green pods at 4/5 days interval to stimulate new flowers. Harvest on dry/sunny weather when the plant get try
VEGETABLES			
Pre-summer vegetables	Sowing		<ul style="list-style-type: none"> Sowing of pre-summer vegetables like French bean, capsicum etc advocated Sowing of Okra can be done. Seed treatment with Imidichloropid @ 1-2g/10kg is recommended before sowing
HORTICULTURAL CROPS			
Ginger	Planting material collection/preparation		<ul style="list-style-type: none"> Identify healthy plants for seed rhizomes/ collect better seedlings from ICAR Basar or KVK West Siang/Anjaw Keep selected rhizomes for planting material in partial shade for better sprouting. Mulching materials like forest litters or crop residues should be collected in advance
Citrus	Floral bud differentiation stage	Trunk borer	<ul style="list-style-type: none"> Remove all water sprouts from the base of the plant Provide drainage ditches with gravel or stones to prevent erosion and allow vegetation to grow in ditches to slow run off.
Large Cardamom	Vegetative		<ul style="list-style-type: none"> Remove dry, diseased and old tillers and branches Proper shade management Field sanitation and nutrient management
Agroforestry			
Toko palm	Nursery		Filling of nursery polybags for raising of takopalm seedlings
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
Pigs	All stages	FMD (high fever and appearance of mucous membrane of the mouth and foot.)	<ul style="list-style-type: none"> Keep the houses dry and clean. 1st injection at 6 months of age and 2nd injection at 12 months of age followed by annual vaccination under vet supervision
Poultry	All stages		<ul style="list-style-type: none"> Follow 'All in All out' system of rearing and do not rear birds of different age groups together. Avoid overcrowding. Provide adequate clean drinking water+electrolyte and multi-vitamins Vaccination as per the schedule with proper consultation with vet. <ul style="list-style-type: none"> ➤ Day old chick: HVT Marek disease vaccine, 4-7 days: F/Lasota, 14-18 days: Intermediate plus/IBD vaccine, 35 days: F/Lasota, 6-7 weeks: Chicken embryo adopted fowl pox vaccine and 56-70 days: RD R-2B strain. Remove wet litter/provide artificial heating and light
Fishery			<ul style="list-style-type: none"> Best time to prepare the culture pond like cleaning aquatic weeds
Cattle	All stages	FMD	<ul style="list-style-type: none"> 1st injection at 6-8 weeks of age, 2nd injection after 6 months of 1st injection followed by annual vaccination under vet supervision Separate sick animals The animal should be washed with lukewarm water added with little potash (KMnO₄) or neem leaves Long hair near the udder/stomach/back legs should be teamed short.
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. <ul style="list-style-type: none">• 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: 17th to 21st March 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: 22/2017/Fri

Dated: 17th March 2017



Weather summary of the previous week	Weather forecast valid up to 22 nd March 2017
Rainfall = 11.4 mm (Tuting)	Partly cloudy sky with possibility of light/moderate rainfall up to 21 st March. Daily maximum and minimum temperature for the following period is predicted to be 21-23°C and 11-13°C respectively. Expected morning and evening relative humidity will be 65-78% and 34-57% respectively. Wind direction is SSE with speed range of 5-7 kmph.
Warning:	Heavy rainfall is likely in few isolated places

Weather Based Agro-meteorological Advisories Bulletin

General Recommendations

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

Crop	Stage	Pest/Disease	Precautionary Practices to be followed
FIELD CROPS			
Potato	Harvesting		<ul style="list-style-type: none"> • Store potatoes in a cool, well ventilated place • Do not store the tubers immediately if they are exposed to rain after harvest. • Avoid bruising and skinning of tubers otherwise tubers become susceptible to rot diseases.
VEGETABLES			
Pre-summer vegetables	Sowing		<ul style="list-style-type: none"> • Sowing of pre-summer vegetables like okra, frenchbean etc may be avoided during rainy days • Right time for transplanting the ready seedlings of chili, tomato, capsicum etc. • Provide proper drainage to newly transplanted seedlings and follow raised bed for sowing
HORTICULTURAL CROPS			
Ginger	Planting material collection/preparation		<ul style="list-style-type: none"> • Identify healthy plants for seed rhizomes/ collect better seedlings from ICAR Basar or KVK West Siang/Anjaw • Keep selected rhizomes for planting material in partial shade for better sprouting. • Mulching materials like forest litters or crop residues should be collected in advance
Citrus	Floral bud differentiation stage	Trunk borer	<ul style="list-style-type: none"> • Remove all water sprouts from the base of the plant • Provide drainage ditches with gravel or stones to prevent erosion and allow vegetation to grow in ditches to slow run off.
Large Cardamom	Vegetative		<ul style="list-style-type: none"> • Remove dry, diseased and old tillers and branches • Proper shade management • Field sanitation and nutrient management
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 • Provide sugar syrup
LIVESTOCKS			
Livestock	Stage	Disease	Precautionary Practices to be followed
Pigs	All stages	FMD (high fever and appearance of mucous membrane of the mouth and foot.)	<ul style="list-style-type: none"> • Provide adequate bedding material (paddy straw, rice husk) to newly born piglets. • Animals should be given lukewarm feed and water. • All animals should be tethered in a covered shelter. Keep the houses dry and clean. • 1st injection at 6 months of age and 2nd injection at 12 months of age followed by annual vaccination under vet supervision
Poultry	All stages		<ul style="list-style-type: none"> • Follow 'All in All out' system of rearing and do not rear birds of different age groups together. • Avoid overcrowding. • Avoid rearing of Day-Old-Chicks • Provide sufficient bedding materials to keep them warm • Provide adequate clean drinking water+electrolyte and multi-vitamins • Vaccination as per the schedule with proper consultation with vet. <ul style="list-style-type: none"> ➤ Day old chick: HVT Marek disease vaccine, 4-7 days: F/Lasota, 14-18 days: Intermediate plus/IBD vaccine, 35 days: F/Lasota, 6-7 weeks: Chicken embryo adopted fowl pox vaccine and 56-70 days: RD R-2B strain. • Remove wet litter/provide artificial heating and light
Fishery			<ul style="list-style-type: none"> • Best time to prepare the culture pond like cleaning aquatic weeds

Cattle	All stages	FMD	<ul style="list-style-type: none"> • 1st injection at 6-8 weeks of age, 2nd injection after 6 months of 1st injection followed by annual vaccination under vet supervision • Separate sick animals • The animal should be washed with lukewarm water added with little potash (KMnO₄) or neem leaves • Long hair near the udder/stomach/back legs should be teamed short.
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: 17th to 21st March 2017)

ग्रामीण कृषि मौसम सेवा



GRAMIN KRISHI MAUSAM SEWA

(Integrated Agro-Meteorological Advisory Services)



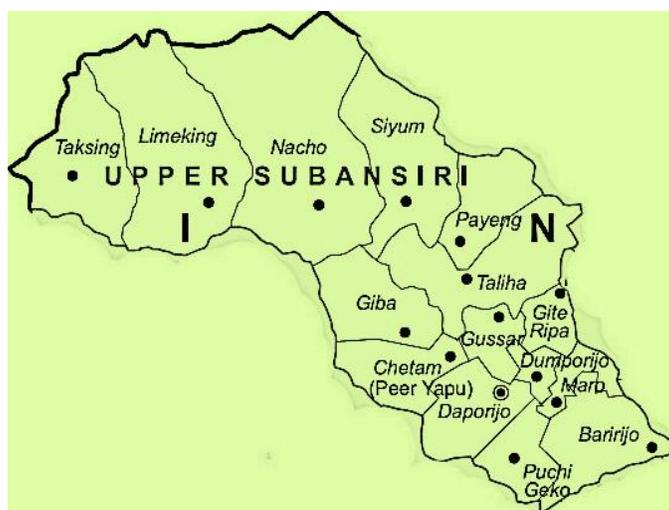
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ICAR - RCNEH

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

District: Upper Subansiri

No: 22/2017/Fri

Dated: 17th March 2017



Weather summary of the previous week	Weather forecast valid up to 22 nd March 2017
Rainfall = NA (Puchi Geko); Daporijo: 1.0 mm	Partly cloudy sky with possibility of light/moderate rainfall up to 21st March. Daily maximum and minimum temperature for the following period is predicted to be 21-24°C and 11-13°C respectively. Expected morning and evening relative humidity will be 85-95% and 56-72% respectively. Expected wind direction is SSE with speed range of 2-5 kmph.
Warning	Heavy rainfall is likely in few isolated places

Weather Based Agro-meteorological Advisories Bulletin

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

Crop	Stage	Pest/Disease	Precautionary Practices to be followed
FIELD CROPS			
Potato	Harvesting		<ul style="list-style-type: none"> • Store potatoes in a cool, well ventilated place • Do not store the tubers immediately if they are exposed to rain after harvest. • Avoid bruising and skinning of tubers otherwise tubers become susceptible to rot diseases • Don't wash potatoes before storing as dampness promotes early spoilage. • Sorting and removal of rotted and damaged tubers before and after storage.
VEGETABLES			
Cole crops	Nursery		<ul style="list-style-type: none"> • Raising nursery can be carried out in higher altitudes/ cold areas
Pre-summer vegetables	Sowing		<ul style="list-style-type: none"> • Sowing of pre-summer vegetables like okra, frenchbean etc may be avoided during rainy days • If already sown, provide proper drainage • Right time for transplanting the ready seedlings of chili, tomato, capsicum etc. • Provide proper drainage to newly transplanted seedlings and follow raised bed for sowing
HORTICULTURAL CROPS			
Ginger	Planting material collection/preparation		<ul style="list-style-type: none"> • Identify healthy plants for seed rhizomes/ collect better seedlings from ICAR Basar or KVK West Siang/Anjaw • Keep selected rhizomes for planting material in partial shade for better sprouting. • Mulching materials like forest litters or crop residues should be collected in advance
Citrus	Floral bud differentiation stage	Trunk borer	<ul style="list-style-type: none"> • Remove all water sprouts from the base of the plant • Provide drainage ditches with gravel or stones to prevent erosion and allow vegetation to grow in ditches to slow run off.
Large Cardamom	Vegetative		<ul style="list-style-type: none"> • Remove dry, diseased and old tillers and branches • Proper shade management • Field sanitation and nutrient management
Banana	Bunching	Cold	<ul style="list-style-type: none"> • Timely/regular removal of extra suckers, dry leaves & pseudo-stem
Apple	Vegetative	Wooly aphids	<ul style="list-style-type: none"> • Swab the stem with mineral oil against wooly aphid.
Agroforestry			
Toko palm	Nursery		Filling of nursery polybags for raising of takopalm seedlings
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
Cattle	All stages	FMD	<ul style="list-style-type: none"> • 1st injection at 6-8 weeks of age, 2nd injection after 6 months of 1st injection followed by annual vaccination under vet supervision • Separate sick animals • The animal should be washed with lukewarm water added with little potash (KMnO₄) or neem leaves • Long hair near the udder/stomach/back legs should be teamed short.
Pigs	All stages	FMD (high fever and appearance of mucous membrane of the mouth and foot.)	<ul style="list-style-type: none"> • Provide adequate bedding material (paddy straw, rice husk) to newly born piglets. • Animals should be given lukewarm feed and water. • All animals should be tethered in a covered shelter. Keep the houses dry and clean. • 1st injection at 6 months of age and 2nd injection at 12 months of

			age followed by annual vaccination under vet supervision
Poultry	All stages		<ul style="list-style-type: none"> • Follow 'All in All out' system of rearing and do not rear birds of different age groups together. • Avoid overcrowding. • Avoid rearing of Day-Old-Chicks • Provide sufficient bedding materials to keep them warm • Provide adequate clean drinking water+electrolyte and multi-vitamins • Vaccination as per the schedule with proper consultation with vet. <ul style="list-style-type: none"> ➤ Day old chick: HVT Marek disease vaccine, 4-7 days: F/Lasota, 14-18 days: Intermediate plus/IBD vaccine, 35 days: F/Lasota, 6-7 weeks: Chicken embryo adopted fowl pox vaccine and 56-70 days: RD R-2B strain. • Remove wet litter/provide artificial heating and light
Fishery			<ul style="list-style-type: none"> • Best time to prepare the culture pond like cleaning aquatic weeds
Cattle	All stages	FMD	<ul style="list-style-type: none"> • 1st injection at 6-8 weeks of age, 2nd injection after 6 months of 1st injection followed by annual vaccination under vet supervision
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: 17th to 21st March 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: West Kameng

No: 22/2017/Fri

Dated: 17th March 2017



Weather summary of the previous week	Weather forecast valid up to 22 nd March 2017
Rainfall = Bomdila: 0.0 mm; Bhalukpong: 0.0 mm	Partly cloudy sky with possibility of light rainfall on 18th, 20th and 21st March. Daily maximum and minimum temperature for the following period is predicted to be 20-22°C and 10-11°C respectively. Expected morning and evening relative humidity will be 65-88% and 37-45% respectively. Wind direction is NE with speed range of 3-7 kmph.
Warning:	Heavy rainfall is likely in few isolated places

Weather Based Agro-meteorological Advisories Bulletin

General Recommendations

- Disinfecting the animal/bird sheds with lime powder/ bleaching powder/ 4%NaOH at regular interval is advocated
- Spraying operation should be done only on dry/clear weather
- Go for low cost 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			
Potato	Harvesting		<ul style="list-style-type: none"> • Store potatoes in a cool, well ventilated place • Do not store the tubers immediately if they are exposed to rain after harvest. • Avoid bruising and skinning of tubers otherwise tubers become susceptible to rot diseases.
Pea	Fruiting		<ul style="list-style-type: none"> • Pick/harvest green pods at 4/5 days interval to stimulate new flowers. • Harvest on dry/sunny weather when the plant get try
VEGETABLES			
Cole crops	Nursery		<ul style="list-style-type: none"> • Raising nursery can be carried out in higher altitudes/ cold areas
Pre-summer vegetables	Sowing		<ul style="list-style-type: none"> • Sowing of pre-summer vegetables like okra, frenchbean etc may be avoided during rainy days • Right time for transplanting the ready seedlings of chili, tomato, capsicum etc. • Provide proper drainage to newly transplanted seedlings and follow raised bed for sowing
HORTICULTURAL CROPS			
Ginger	Planting material collection/preparation		<ul style="list-style-type: none"> • Identify healthy plants for seed rhizomes/ collect better seedlings from ICAR Basar or KVK West Siang/Anjaw • Keep selected rhizomes for planting material in partial shade for better sprouting. • Mulching materials like forest litters or crop residues should be collected in advance
Citrus	Floral bud differentiation stage	Barkeating caterpillar/aphids	<ul style="list-style-type: none"> • Remove all water sprouts from the base of the plant • Provide drainage ditches with gravel or stones to prevent erosion and allow vegetation to grow in ditches to slow run off.
Apple	Vegetative	Wooly aphids	<ul style="list-style-type: none"> • Swab the stem with mineral oil against wooly aphid.
Large Cardamom	Vegetative		<ul style="list-style-type: none"> • Remove dry, diseased and old tillers and branches • Proper shade management • Field sanitation and nutrient management
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
Cattle	All stages	FMD	<ul style="list-style-type: none"> • 1st injection at 6-8 weeks of age, 2nd injection after 6 months of 1st injection followed by annual vaccination under vet supervision • Separate sick animals • The animal should be washed with lukewarm water added with little potash (KMnO₄) or neem leaves • Long hair near the udder/stomach/back legs should be teamed short.
Pigs	All stages	FMD (high fever and appearance of mucous membrane of the mouth and foot.)	<ul style="list-style-type: none"> • Provide adequate bedding material (paddy straw, rice husk) to newly born piglets. • Animals should be given lukewarm feed and water. • All animals should be tethered in a covered shelter. Keep the houses dry and clean. • 1st injection at 6 months of age and 2nd injection at 12 months of age followed by annual vaccination under vet supervision
Poultry	All stages		<ul style="list-style-type: none"> • Follow 'All in All out' system of rearing and do not rear birds of different age groups together. • Avoid overcrowding. • Avoid rearing of Day-Old-Chicks • Provide sufficient bedding materials to keep them warm • Provide adequate clean drinking water+electrolyte and multi-vitamins • Vaccination as per the schedule with proper consultation with vet.

			<ul style="list-style-type: none"> ➤ Day old chick: HVT Marek disease vaccine, 4-7 days: F/Lasota, 14-18 days: Intermediate plus/IBD vaccine, 35 days: F/Lasota, 6-7 weeks: Chicken embryo adopted fowl pox vaccine and 56-70 days: RD R-2B strain. • Remove wet litter/provide artificial heating and light
Fishery			<ul style="list-style-type: none"> • Best time to prepare the culture pond like cleaning aquatic weeds
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
Contact: - IAAS.BASAR@gmail.com, Phone Number: - 03795-226247/37, -96 (Fax)

**Agrometeorological Field Unit
ICAR, BASAR**

कृषि मौसम सलाहकार सेवा पत्रिका Agro-met Advisory Bulletin

(Period: 17th to 21st March 2017)

ग्रामीण कृषि मौसम सेवा



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

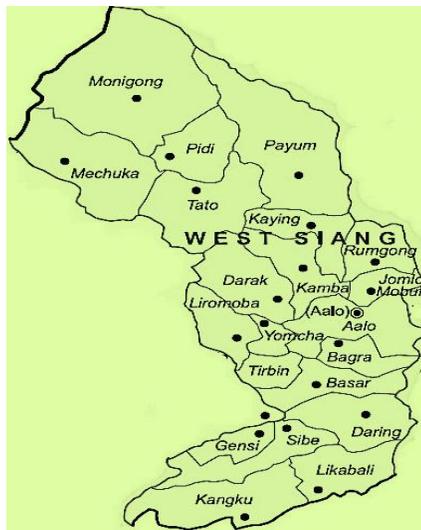


ICAR Research Complex for NEH Region
Arunachal Pradesh Centre, Basar-791101

District: West Siang

No: 22/2017/Fri

Dated: 17th March 2017



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

Weather summary of the previous week	Weather forecast valid up to 19 th March 2017
Rainfall = 4.0 mm. T. Max: 23.2°C, T. Min: 7.6°C, RH: 50-97%, Wind Speed: 3-6 kmph, Wind Direction: NE	Partly cloudy sky with possibility of light/moderate rainfall up to 21st March. Daily maximum and minimum temperature for the following period is predicted to be 21-23°C and 10-13°C respectively. Expected morning and evening relative humidity will be 79-92% and 43-70% respectively. Wind direction is W with speed range of 4-5 kmph.
Warning:	Heavy rainfall is likely in few isolated places

Weather Based Agro-meteorological Advisories Bulletin

General Recommendations

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

Crop	Stage	Pest/Disease	Precautionary Practices to be followed
FIELD CROPS			
Pea	Harvesting		<ul style="list-style-type: none"> Immediately harvest during sunny days
VEGETABLES			
Cole crops	Nursery		<ul style="list-style-type: none"> Raising nursery can be carried out in higher altitudes/ cold areas
Tomato	Vegetative/ Nursery		<ul style="list-style-type: none"> Cover the crop with polyethene/cloths to protect from frost/rain Nursery raising under protected cultivation
Pre-summer vegetables	Sowing		<ul style="list-style-type: none"> Avoid sowing of pre-summer vegetables like okra, frenchbean etc as the germination percentage will be very low Right time for transplanting the ready seedlings of chili, tomato, capsicum etc. Provide proper drainage to newly transplanted seedlings and follow raised bed for sowing
HORTICULTURAL CROPS			
Ginger	Planting material collection/preparation		<ul style="list-style-type: none"> Identify healthy plants for seed rhizomes/ collect better seedlings from ICAR Basar or KVK West Siang/Anjaw Keep selected rhizomes for planting material in partial shade for better sprouting. Mulching materials like forest litters or crop residues should be collected in advance
Citrus	Floral bud differentiation stage		<ul style="list-style-type: none"> Remove all water sprouts from the base of the plant Provide drainage ditches with gravel or stones to prevent erosion and allow vegetation to grow in ditches to slow run off.
Large Cardamom	Vegetative		<ul style="list-style-type: none"> Remove dry, diseased and old tillers and branches Proper shade management Field sanitation and nutrient management
Apple	Vegetative	Wooly aphids	<ul style="list-style-type: none"> Swab the stem with mineral oil against wooly aphid.
Honey Bees			
Honey bees			<ul style="list-style-type: none"> Box must be covered with straw/dry leaves to provide warmth Provide sugar syrup
Agroforestry			
Toko palm	Nursery		<ul style="list-style-type: none"> Filling of nursery polybags for raising of takopalm seedlings
LIVESTOCKS			
Livestock	Stage	Disease	Precautionary Practices to be followed
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