

कृषि मौसम सलाहकार सेवा पत्रिका

Agro-met Advisory Bulletin

(Period: 31st March to 4th April 2017)

ग्रामीण कृषि मौसम सेवा

GRAMIN KRISHI MAUSAM SEWA

(Integrated Agro-Meteorological Advisory Services)

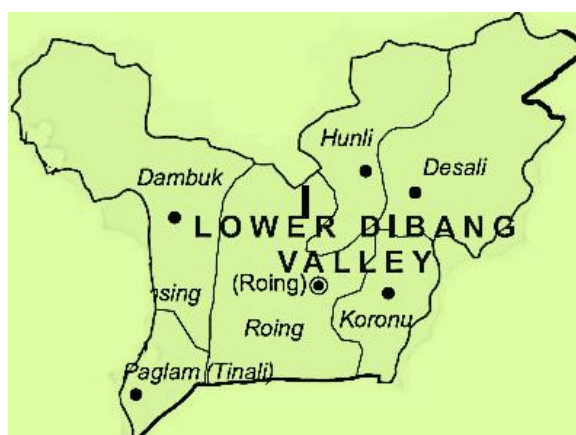


AMFU, ICAR Research Complex for NEH Region
Arunachal Pradesh Centre, Basar-791101

District: Lower Dibang Valley

No: 26/2017/Fri

Dated: 31st March 2017



Weather summary of the previous week	Weather forecast valid up to 5 th April, 2017
Rainfall = 14.7 mm (Roing)	Mostly cloudy sky with possibility of light to heavy rainfall. Daily maximum and minimum temperature for the following period is predicted to be 20°C and 9°C respectively. Expected morning and evening relative humidity will be 70-96% and 31-89% respectively. Wind direction is East with speed range of 5-7 kmph.
Warning:	<ul style="list-style-type: none">Heavy rainfall is likely to occur at isolated places on 2nd AprilVery heavy rainfall likely on 3rd April over 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	Sowing		<ul style="list-style-type: none"> Sowing of pea recommended for higher altitudes with raised bed of 15-20cm Provide proper drainage to already sown crops
Maize	Sowing		<ul style="list-style-type: none"> Sowing of Maize advocated Carry out seed dressing/treatment with Thiram or Carbendazim @ 2g/kg seed before sowing
<i>Jhum</i> field	Sowing		<ul style="list-style-type: none"> Adopt sowing of leguminous crops like cowpea, frenchbean, soybean etc at 2-3 rows across the slope of jhum field at desirable intervals or ratios with rice to prevent soil erosion and conserve moisture and fertility. Carry out seed dressing/treatment with Thiram or Carbendazim @ 2g/kg seed before sowing to avoid fungal Cowpea variety (Kashi Kanchan) and Frenchbean variety (Selection-9) are advocated for intercropping as they are short duration, dwarf and high yielding.
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	Nursery insects	<ul style="list-style-type: none"> Sowing of pre-summer vegetables like okra, frenchbean etc advocated Carry out seed dressing/treatment with Thiram or Carbendazim @ 2g/kg seed before sowing Right time for transplanting the ready seedlings of chili, tomato, capsicum etc. Provide proper drainage to newly transplanted seedlings and follow raised bed for sowing Spray Azadirachtin 1% (10000 PPM) @ 1000-1500 ml in 500 litres water/ha
HORTICULTURAL CROPS			
Ginger/Turmeric	Planting material collection/ Land 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 Land preparation to a fine tilth to be done before sowing during sunny days Avoid sowing of Ginger/Turmeric during rainy days
Citrus	Flowering	Trunk borer/ Phytophthora symptoms	<ul style="list-style-type: none"> Budding method of propagation (T-budding) to commences in oranges using Rangpur lime as rootstock. 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 Cleaning & smearing of trunk base with Bordeaux paste If flowering begins, avoid spray of insecticides/ pesticides as it may affect pollination process.
Large Cardamom	Sowing		<ul style="list-style-type: none"> Should be sown in Primary nursery bed at 2cm deep and 10 cm apart followed by mulching & regular light irrigation. The duration of primary nursery being 3-4 months.
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"> Animals should be given lukewarm feed and water. 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
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.
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			

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

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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: Lower Subansiri

No: 26/2017/Fri

Dated: 31st March 2017



Weather summary of the previous week	Weather forecast valid up to 5 th April 2017
Rainfall = 0.0 mm (Ziro)	Partly/mostly cloudy sky with possibility of light/moderate rainfall over most of the places. Daily maximum and minimum temperature for the following period is predicted to be 20°C and 8-9°C respectively. Expected morning and evening relative humidity will be 91-96% and 52-86% respectively. Wind direction is WSW with speed range of 2-6 kmph.
Warning:	<ul style="list-style-type: none">• Heavy rainfall is likely to occur at isolated places on 2nd April• Very heavy rainfall likely on 3rd April over 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			
Jhum field	Sowing		<ul style="list-style-type: none">Adopt sowing of leguminous crops like cowpea, frenchbean, soybean etc at 2-3 rows across the slope of jhum field at desirable intervals or ratios with rice to prevent soil erosion and conserve moisture and fertility.Cowpea variety (Kashi Kanchan) and Frenchbean variety (Selection-9) are advocated for intercropping as they are short duration, dwarf and high yielding.Carry out seed dressing/treatment with Thiram or Carbendazim @ 2g/kg seed before sowing
Pea	Sowing		<ul style="list-style-type: none">Sowing of pea recommended for higher altitudes with raised bed of 15-20cmProvide proper drainage to already sown crops
Maize	Sowing		<ul style="list-style-type: none">Sowing of Maize advocatedCarry out seed dressing/treatment with Thiram or Carbendazim @ 2g/kg seed before sowing
VEGETABLES			
Tomato	Vegetative/Nursery	Nursery insects	<ul style="list-style-type: none">Cover the crop with polyethene/cloths to protect from frost/rainNursery raising under protected cultivationSpray Azadirachtin 1% (10000 PPM) @ 1000-1500 ml in 500 litres water/ha
Pre-summer vegetables	Sowing	Nursery insects	<ul style="list-style-type: none">Sowing of pre-summer vegetables like okra, frenchbean etc advocatedRight time for transplanting the ready seedlings of chili, tomato, capsicum etc.Provide proper drainage to newly transplanted seedlings and follow raised bed for sowingSpray Azadirachtin 1% (10000 PPM) @ 1000-1500 ml in 500 litres water/ha
Cole crops	Nursery		<ul style="list-style-type: none">Raising nursery can be carried out in higher altitudes/ cold areas
HORTICULTURAL CROPS			
Ginger/Turmeric	Planting material collection/ Land preparation		<ul style="list-style-type: none">Identify healthy plants for seed rhizomes/ collect better seedlings from ICAR Basar or KVK West Siang/AnjawKeep selected rhizomes for planting material in partial shade for better sprouting.Mulching materials like forest litters or crop residues should be collected in advanceLand preparation to a fine tilth to be done before sowing during sunny daysAvoid sowing of Ginger/Turmeric during rainy days
Citrus	Flowering	Trunk borer/ Phytophthora symptoms	<ul style="list-style-type: none">Budding method of propagation (T-budding) to commences in oranges using Rangpur lime as rootstock.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 fruitsCleaning & smearing of trunk base with Bordeaux pasteIf flowering begins, avoid spray of insecticides/ pesticides as it may affect pollination process.
Banana	Bunching	Cold	<ul style="list-style-type: none">Timely/regular removal of extra suckers, dry leaves & pseudo-stem
Large Cardamom	Sowing		<ul style="list-style-type: none">Should be sown in Primary nursery bed at 2cm deep and 10 cm apart followed by mulching & regular light irrigation.The duration of primary nursery being 3-4 months.

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"> Animals should be given lukewarm feed and water. 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. 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

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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: Papum Pare

No: 26/2017/Fri

Dated: 31st March 2017



Weather summary of the previous week	Weather forecast valid up to 5 th April 2017
Rainfall: 14.2 mm; T. Max: 31.0°C; T. Min: 18.0°C ; RH: 71-94%	Partly/mostly cloudy sky with possibility of light/moderate rainfall. Daily maximum and minimum temperature for the following period is predicted to be 22-28°C and 16-17°C respectively. Expected morning and evening relative humidity will be 88-97% and 50-90% respectively. Expected wind direction is ESE with speed range of 3-5 kmph.
Warning:	<ul style="list-style-type: none">Heavy rainfall is likely to occur at isolated places on 2nd AprilVery heavy rainfall likely on 3rd April over 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			
Jhum field	Sowing		<ul style="list-style-type: none">Adopt sowing of leguminous crops like cowpea, frenchbean, soybean etc at 2-3 rows across the slope of jhum field at desirable intervals or ratios with rice to prevent soil erosion and conserve moisture and fertility.Carry out seed dressing/treatment with Thiram or Carbendazim @ 2g/kg seed before sowingCowpea variety (Kashi Kanchan) and Frenchbean variety (Selection-9) are advocated for intercropping as they are short duration, dwarf and high yielding.
Maize	Sowing		<ul style="list-style-type: none">Sowing of early/local maize advocated in higher altitudes in raised bed of 15-20cmProvide proper drainage to newly sown plots
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/rainNursery 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, avoid during rainy days.Seed treatment with Imidichloropid @ 1-2g/10kg is recommended before sowing
HORTICULTURAL CROPS			
Ginger/Turmeric	Planting material collection/ Land preparation		<ul style="list-style-type: none">Identify healthy plants for seed rhizomes/ collect better seedlings from ICAR Basar or KVK West Siang/AnjawKeep selected rhizomes for planting material in partial shade for better sprouting.Mulching materials like forest litters or crop residues should be collected in advanceLand preparation to a fine tilth to be done before sowing during sunny daysAvoid sowing of Ginger/Turmeric during rainy days
Citrus	Flowering	Trunk borer/ Phytophthora symptoms	<ul style="list-style-type: none">Budding method of propagation (T-budding) to commences in oranges using Rangpur lime as rootstock.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 fruitsCleaning & smearing of trunk base with Bordeaux pasteIf flowering begins, avoid spray of insecticides/ pesticides as it may affect pollination process.
Large Cardamom	Sowing		<ul style="list-style-type: none">Should be sown in Primary nursery bed at 2cm deep and 10 cm apart followed by mulching & regular light irrigation.The duration of primary nursery being 3-4 months.
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

			<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.
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. • 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			

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(Period: 31st March to 4th April 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: Tawang

No: 26/2017/Fri

Dated: 31st March 2017



Weather summary of the previous week	Weather forecast valid up to 4 th April 2017
Rainfall = 11.0 mm	Mostly cloudy sky with possibility of light/moderate rainfall. Daily maximum and minimum temperature for the following period is predicted to be 14-18°C and 6°C respectively. Expected morning and evening relative humidity will be 80-91% and 46-68% respectively. Wind direction is S with probable speed range of 4-7 kmph.
Warning:	<ul style="list-style-type: none">Heavy rainfall is likely to occur at isolated places on 2nd AprilVery heavy rainfall likely on 3rd April over 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			
Jhum field	Sowing		<ul style="list-style-type: none"> Adopt sowing of leguminous crops like cowpea, frenchbean, soybean etc at 2-3 rows across the slope of jhum field at desirable intervals or ratios with rice to prevent soil erosion and conserve moisture and fertility. Cowpea variety (Kashi Kanchan) and Frenchbean variety (Selection-9) are advocated for intercropping as they are short duration, dwarf and high yielding. Carry out seed dressing/treatment with Thiram or Carbendazim @ 2g/kg seed before sowing
Maize	Sowing		<ul style="list-style-type: none"> Sowing of maize in higher altitudes advocated. Carry out seed dressing/treatment with Thiram or Carbendazim @ 2g/kg seed before sowing
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	Nursery insects	<ul style="list-style-type: none"> Right time for transplanting the ready seedlings of chili, tomato, capsicum etc. Provide proper drainage to newly transplanted seedlings and follow raised bed for sowing Spray Azadirachtin 1% (10000 PPM) @ 1000-1500 ml in 500 litres water/ha against nursery insects
HORTICULTURAL CROPS			
Citrus	Flowering	Trunk borer/ Phytophthora symptoms	<ul style="list-style-type: none"> Budding method of propagation (T-budding) to commences in oranges using Rangpur lime as rootstock. 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 Cleaning & smearing of trunk base with Bordeaux paste If flowering begins, avoid spray of insecticides/ pesticides as it may affect pollination process.
Large Cardamom	Sowing		<ul style="list-style-type: none"> Should be sown in Primary nursery bed at 2cm deep and 10 cm apart followed by mulching & regular light irrigation. The duration of primary nursery being 3-4 months.
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
Pigs	All stages	FMD (high fever and appearance of mucous membrane of the mouth and foot.)	<ul style="list-style-type: none"> Animals should be given lukewarm feed and water. 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.

			<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 supervisionSeparate sick animalsThe animal should be washed with lukewarm water added with little potash (KMnO₄) or neem leavesLong 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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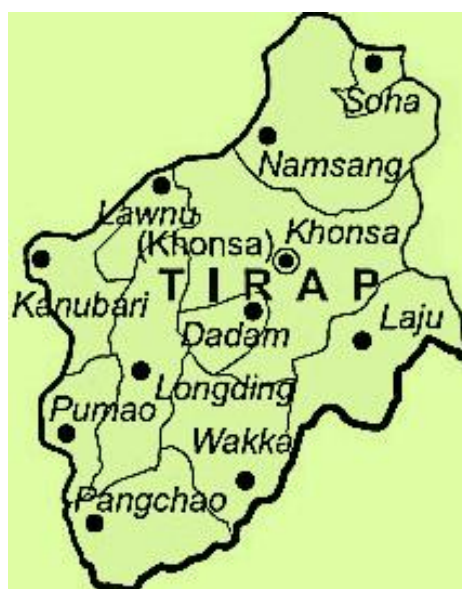


AMFU, ICAR Research Complex for NEH Region
Arunachal Pradesh Centre, Basar-791101

District: Tirap

No: 26/2017/Fri

Dated: 31st March 2017



Weather summary of the previous week	Weather forecast valid up to 5 th April, 2017
Rainfall = 8.4 mm (Deomali)	Mostly cloudy sky with possibility of light/moderate rainfall in most of the places. Daily maximum and minimum temperature for the following period is predicted to be 24-29°C and 17-23°C respectively. Expected morning and evening relative humidity will be 96-99% and 55-90% respectively. Wind direction is ESE with speed range of 2-4 kmph.
Warning:	<ul style="list-style-type: none">Heavy rainfall is likely to occur at isolated places on 2nd AprilVery heavy rainfall likely on 3rd April over 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			
Jhum field	Sowing		<ul style="list-style-type: none"> Adopt sowing of leguminous crops like cowpea, frenchbean, soybean etc at 2-3 rows across the slope of jhum field at desirable intervals or ratios with rice to prevent soil erosion and conserve moisture and fertility. Cowpea variety (Kashi Kanchan) and Frenchbean variety (Selection-9) are advocated for intercropping as they are short duration, dwarf and high yielding. Carry out seed dressing/treatment with Thiram or Carbendazim @ 2g/kg seed before sowing
Maize/ cowpea	Sowing		<ul style="list-style-type: none"> Right time for sowing of local/early maize and Cowpea Provide proper drainage to newly sown crops Seed treatment of early maize/cowpea with Imidichloropid @ 1-2g/10kg is recommended before sowing
VEGETABLES			
Pre-summer vegetables	Sowing	Nursery insects	<ul style="list-style-type: none"> Sowing of pre-summer vegetables like okra, frenchbean etc advocated, avoid during rainy days Carry out seed dressing/treatment with Thiram or Carbendazim @ 2g/kg seed before sowing Right time for transplanting the ready seedlings of chili, tomato, capsicum etc. Provide proper drainage to newly transplanted seedlings and follow raised bed for sowing Spray Azadirachtin 1% (10000 PPM) @ 1000-1500 ml in 500 litres water/ha against nursery insects
HORTICULTURAL CROPS			
Ginger/Turmeric	Planting material collection/ Land 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 Land preparation to a fine tilth to be done before sowing during sunny days Avoid sowing of Ginger/Turmeric during rainy days
Citrus	Flowering	Trunk borer/ Phytophthora symptoms	<ul style="list-style-type: none"> Budding method of propagation (T-budding) to commences in oranges using Rangpur lime as rootstock. 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 Cleaning & smearing of trunk base with Bordeaux paste If flowering begins, avoid spray of insecticides/ pesticides as it may affect pollination process.
Large Cardamom	Sowing		<ul style="list-style-type: none"> Should be sown in Primary nursery bed at 2cm deep and 10 cm apart followed by mulching & regular light irrigation. The duration of primary nursery being 3-4 months.
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	<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

		membrane of the mouth and foot.)	
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. 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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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: 31st March to 4th April 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: 26/2017/Fri

Dated: 31st March 2017



Weather summary of the previous week	Weather forecast valid up to 5 th April, 2017
Rainfall = 2.4 mm (Tuting)	Variable weather with possibility of light/moderate rainfall. Daily maximum and minimum temperature for the following period is predicted to be 20-24°C and 14-15°C respectively. Expected morning and evening relative humidity will be 70-88% and 34-66% respectively. Wind direction is S with speed range of 3-6 kmph.
Warning:	<ul style="list-style-type: none">Heavy rainfall is likely to occur at isolated places on 2nd AprilVery heavy rainfall likely on 3rd April over few isolated places.

Weather Based Agro-meteorological Advisories Bulletin

General Recommendations

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

Crop	Stage	Pest/Disease	Precautionary Practices to be followed
FIELD CROPS			
Pea	Sowing		<ul style="list-style-type: none"> Sowing of pea recommended for higher altitudes with raised bed of 15-20cm Provide proper drainage to already sown crops
Maize	Sowing		<ul style="list-style-type: none"> Sowing of Maize advocated Carry out seed dressing/treatment with Thiram or Carbendazim @ 2g/kg seed before sowing
Jhum field	Sowing		<ul style="list-style-type: none"> Adopt sowing of leguminous crops like cowpea, frenchbean, soybean etc at 2-3 rows across the slope of jhum field at desirable intervals or ratios with rice to prevent soil erosion and conserve moisture and fertility. Cowpea variety (Kashi Kanchan) and Frenchbean variety (Selection-9) are advocated for intercropping as they are short duration, dwarf and high yielding. Carry out seed dressing/treatment with Thiram or Carbendazim @ 2g/kg seed before sowing
VEGETABLES			
Pre-summer vegetables	Sowing	Nursery insects	<ul style="list-style-type: none"> Sowing of pre-summer vegetables like okra, frenchbean etc advocated, avoid during rainy days. Carry out seed dressing/treatment with Thiram or Carbendazim @ 2g/kg seed before sowing Right time for transplanting the ready seedlings of chili, tomato, capsicum etc. Provide proper drainage to newly transplanted seedlings and follow raised bed for sowing Spray Azadirachtin 1% (10000 PPM) @ 1000-1500 ml in 500 litres water/ha
HORTICULTURAL CROPS			
Ginger/Turmeric	Planting material collection/ Land 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 Land preparation to a fine tilth to be done before sowing during sunny days Avoid sowing of Ginger/Turmeric during rainy days
Citrus	Flowering	Trunk borer/ Phytophthora symptoms	<ul style="list-style-type: none"> Budding method of propagation (T-budding) to commences in oranges using Rangpur lime as rootstock. 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 Cleaning & smearing of trunk base with Bordeaux paste If flowering begins, avoid spray of insecticides/ pesticides as it may affect pollination process.
Large Cardamom	Sowing		<ul style="list-style-type: none"> Should be sown in Primary nursery bed at 2cm deep and 10 cm apart followed by mulching & regular light irrigation. The duration of primary nursery being 3-4 months.
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"> Animals should be given lukewarm feed and water. 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. 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: 31st March to 4th April 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: 26/2017/Fri

Dated: 31st March 2017



Weather summary of the previous week	Weather forecast valid up to 5 th April 2017
Rainfall = NA (Puchi Geko); Daporijo: 6.8 mm	Partly/mostly cloudy with possibility of light/moderate rainfall. Daily maximum and minimum temperature for the following period is predicted to be 20°C and 9°C respectively. Expected morning and evening relative humidity will be 92-94% and 55-84% respectively. Expected wind direction is WNW with speed range of 2-4 kmph.
Warning	<ul style="list-style-type: none">Heavy rainfall is likely to occur at isolated places on 2nd AprilVery heavy rainfall likely on 3rd April over few isolated places.

Weather Based Agro-meteorological Advisories Bulletin

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

Crop	Stage	Pest/Disease	Precautionary Practices to be followed
FIELD CROPS			
Pea	Sowing		<ul style="list-style-type: none"> Sowing of pea recommended for higher altitudes with raised bed of 15-20cm Provide proper drainage to already sown crops
Maize	Sowing		<ul style="list-style-type: none"> Sowing of Maize advocated Carry out seed dressing/treatment with Thiram or Carbendazim @ 2g/kg seed before sowing
<i>Jhum</i> field	Sowing		<ul style="list-style-type: none"> Adopt sowing of leguminous crops like cowpea, frenchbean, soybean etc at 2-3 rows across the slope of jhum field at desirable intervals or ratios with rice to prevent soil erosion and conserve moisture and fertility. Cowpea variety (Kashi Kanchan) and Frenchbean variety (Selection-9) are advocated for intercropping as they are short duration, dwarf and high yielding. Carry out seed dressing/treatment with Thiram or Carbendazim @ 2g/kg seed before sowing
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	Nursery insects	<ul style="list-style-type: none"> Sowing of pre-summer vegetables like okra, frenchbean etc advocated Carry out seed dressing/treatment with Thiram or Carbendazim @ 2g/kg seed before sowing Right time for transplanting the ready seedlings of chili, tomato, capsicum etc. Provide proper drainage to newly transplanted seedlings and follow raised bed for sowing Spray Azadirachtin 1% (10000 PPM) @ 1000-1500 ml in 500 litres water/ha
HORTICULTURAL CROPS			
Ginger/Turmeric	Planting material collection/ Land 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 Land preparation to a fine tilth to be done before sowing during sunny days Avoid sowing of Ginger/Turmeric during rainy days
Citrus	Flowering	Trunk borer/ Phytophthora symptoms	<ul style="list-style-type: none"> Budding method of propagation (T-budding) to commences in oranges using Rangpur lime as rootstock. 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 Cleaning & smearing of trunk base with Bordeaux paste If flowering begins, avoid spray of insecticides/ pesticides as it may affect pollination process.
Large Cardamom	Sowing		<ul style="list-style-type: none"> Should be sown in Primary nursery bed at 2cm deep and 10 cm apart followed by mulching & regular light irrigation. The duration of primary nursery being 3-4 months.
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. • 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: 31st March to 4th April 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: 26/2017/Fri

Dated: 31st March 2017




Weather summary of the previous week	Weather forecast valid up to 4 th April 2017
Rainfall = Bomdila: 0.0 mm; Bhalukpong: 14.6 mm	Mostly cloudy sky with possibility to light/heavy rainfall. Daily maximum and minimum temperature for the following period is predicted to be 20°C and 8-9°C respectively. Expected morning and evening relative humidity will be 83-93% and 48-77% respectively. Wind direction is ENE with speed range of 3-6 kmph.
Warning:	<ul style="list-style-type: none">Heavy rainfall is likely to occur at isolated places on 2nd AprilVery heavy rainfall likely on 3rd April over 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	Sowing		<ul style="list-style-type: none"> Sowing of pea recommended for higher altitudes with raised bed of 15-20cm Provide proper drainage to already sown crops
Maize	Sowing		<ul style="list-style-type: none"> Sowing of Maize advocated Carry out seed dressing/treatment with Thiram or Carbendazim @ 2g/kg seed before sowing
Jhum field	Sowing		<ul style="list-style-type: none"> Adopt sowing of leguminous crops like cowpea, frenchbean, soybean etc at 2-3 rows across the slope of jhum field at desirable intervals or ratios with rice to prevent soil erosion and conserve moisture and fertility. Cowpea variety (Kashi Kanchan) and Frenchbean variety (Selection-9) are advocated for intercropping as they are short duration, dwarf and high yielding. Carry out seed dressing/treatment with Thiram or Carbendazim @ 2g/kg seed before sowing
VEGETABLES			
Ginger/Turmeric	Planting material collection/ Land 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 Land preparation to a fine tilth to be done before sowing during sunny days Avoid sowing of Ginger/Turmeric during rainy days
Citrus	Flowering	Trunk borer/ Phytophthora symptoms	<ul style="list-style-type: none"> Budding method of propagation (T-budding) to commences in oranges using Rangpur lime as rootstock. 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 Cleaning & smearing of trunk base with Bordeaux paste If flowering begins, avoid spray of insecticides/ pesticides as it may affect pollination process.
Cole crops	Nursery		<ul style="list-style-type: none"> Raising nursery can be carried out in higher altitudes/ cold areas
Pre-summer vegetables	Sowing	Nursery insects	<ul style="list-style-type: none"> Sowing of pre-summer vegetables like okra, frenchbean etc advocated, avoid during rainy days Carry out seed dressing/treatment with Thiram or Carbendazim @ 2g/kg seed before sowing. Right time for transplanting the ready seedlings of chili, tomato, capsicum etc. Provide proper drainage to newly transplanted seedlings and follow raised bed for sowing Spray Azadirachtin 1% (10000 PPM) @ 1000-1500 ml in 500 litres water/ha
HORTICULTURAL CROPS			
Large Cardamom	Sowing		<ul style="list-style-type: none"> Should be sown in Primary nursery bed at 2cm deep and 10 cm apart followed by mulching & regular light irrigation. The duration of primary nursery being 3-4 months.
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"> 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"> Animals should be given lukewarm feed and water. 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
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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ICAR, BASAR

कृषि मौसम सलाहकार सेवा पत्रिका Agro-met Advisory Bulletin

(Period: 31st March to 4th April 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: 26/2017/Fri

Dated: 31st 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 2 nd April 2017
Rainfall = 6.4 mm. T. Max: 28.7°C, T. Min: 13.5°C, RH: 52-94%, Wind Speed: 4-6 kmph, Wind Direction: NNW	Partly/mostly cloudy weather with possibility of light/moderate rainfall. Daily maximum and minimum temperature for the following period is predicted to be 22-29°C and 16-19°C respectively. Expected morning and evening relative humidity will be 87-94% and 51-85% respectively. Wind direction is WNW with speed range of 2-4 kmph.
Warning:	<ul style="list-style-type: none">Heavy rainfall is likely to occur at isolated places on 2nd AprilVery heavy rainfall likely on 3rd April over 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	Sowing		<ul style="list-style-type: none"> Sowing of pea recommended for higher altitudes with raised bed of 15-20cm Provide proper drainage to already sown crops
Maize	Sowing		<ul style="list-style-type: none"> Sowing of Maize advocated Carry out seed dressing/treatment with Thiram or Carbendazim @ 2g/kg seed before sowing
Jhum field	Sowing		<ul style="list-style-type: none"> Adopt sowing of leguminous crops like cowpea, frenchbean, soybean etc at 2-3 rows across the slope of jhum field at desirable intervals or ratios with rice to prevent soil erosion and conserve moisture and fertility. Cowpea variety (Kashi Kanchan) and Frenchbean variety (Selection-9) are advocated for intercropping as they are short duration, dwarf and high yielding. Carry out seed dressing/treatment with Thiram or Carbendazim @ 2g/kg seed before sowing
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	Nursery insects	<ul style="list-style-type: none"> Sowing of pre-summer vegetables like okra, frenchbean etc advocated Carry out seed dressing/treatment with Thiram or Carbendazim @ 2g/kg seed before sowing Right time for transplanting the ready seedlings of chili, tomato, capsicum etc. Provide proper drainage to newly transplanted seedlings and follow raised bed for sowing Spray Azadirachtin 1% (10000 PPM) @ 1000-1500 ml in 500 litres water/ha against nursery insects
HORTICULTURAL CROPS			
Ginger/Turmeric	Planting material collection/ Land 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 Land preparation to a fine tilth to be done before sowing during sunny days Avoid sowing of Ginger/Turmeric during rainy days
Citrus	Flowering	Trunk borer/ Phytophthora symptoms	<ul style="list-style-type: none"> Budding method of propagation (T-budding) to commences in oranges using Rangpur lime as rootstock. 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 Cleaning & smearing of trunk base with Bordeaux paste If flowering begins, avoid spray of insecticides/ pesticides as it may affect pollination process.
Large Cardamom	Sowing		<ul style="list-style-type: none"> Should be sown in Primary nursery bed at 2cm deep and 10 cm apart followed by mulching & regular light irrigation. The duration of primary nursery being 3-4 months.
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
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. 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
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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Contact: - IAAS.BASAR@gmail.com, Phone Number: - 03795-226247/37, -96 (Fax)

कृषि मौसम सलाहकार सेवा पत्रिका

Agro-met Advisory Bulletin

(Period: 31st March to 4th April 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: 26/2017/Fri

Dated: 31st March 2017



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

Weather summary of the previous week	Weather forecast valid up to 5 th April 2017
No weather summary available	Mostly cloudy with possibility of light to rather heavy rainfall. Daily maximum and minimum temperature for the following period is predicted to be 19-29°C and 16-22°C respectively. Expected morning and evening relative humidity will be 81-96% and 35-83% respectively. Wind will blow mostly from E at a speed range of 4-9 kmph.
Warning:	<ul style="list-style-type: none">• Heavy rainfall is likely to occur at isolated places on 2nd April• Very heavy rainfall likely on 3rd April over 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	Sowing		<ul style="list-style-type: none"> Sowing of pea recommended for higher altitudes with raised bed of 15-20cm Provide proper drainage to already sown crops
Maize	Sowing		<ul style="list-style-type: none"> Sowing of Maize advocated Carry out seed dressing/treatment with Thiram or Carbendazim @ 2g/kg seed before sowing
Jhum field	Sowing		<ul style="list-style-type: none"> Adopt sowing of leguminous crops like cowpea, frenchbean, soybean etc at 2-3 rows across the slope of jhum field at desirable intervals or ratios with rice to prevent soil erosion and conserve moisture and fertility. Carry out seed dressing/treatment with Thiram or Carbendazim @ 2g/kg seed before sowing. Cowpea variety (Kashi Kanchan) and Frenchbean variety (Selection-9) are advocated for intercropping as they are short duration, dwarf and high yielding.
VEGETABLES			
Cole crops	Nursery		<ul style="list-style-type: none"> Raising nursery can be carried out in higher altitudes/ cold areas
Tomato	Vegetative/Nursery	Nursery insects	<ul style="list-style-type: none"> Nursery raising under protected cultivation Spray Azadirachtin 1% (10000 PPM) @ 1000-1500 ml in 500 litres water/ha
Pre-summer vegetables	Sowing	Nursery insects	<ul style="list-style-type: none"> Right time for transplanting the ready seedlings of chili, tomato, capsicum etc. Provide proper drainage to newly transplanted seedlings and follow raised bed for sowing Spray Azadirachtin 1% (10000 PPM) @ 1000-1500 ml in 500 litres water/ha against nursery insects
HORTICULTURAL CROPS			
Ginger/Turmeric	Planting material collection/ Land 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 Land preparation to a fine tilth to be done before sowing during sunny days Avoid sowing of Ginger/Turmeric during rainy days
Citrus	Flowering	Trunk borer/ Phytophthora symptoms	<ul style="list-style-type: none"> Budding method of propagation (T-budding) to commences in oranges using Rangpur lime as rootstock. 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 Cleaning & smearing of trunk base with Bordeaux paste If flowering begins, avoid spray of insecticides/ pesticides as it may affect pollination process.
Large Cardamom	Sowing		<ul style="list-style-type: none"> Should be sown in Primary nursery bed at 2cm deep and 10 cm apart followed by mulching & regular light irrigation. The duration of primary nursery being 3-4 months.
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">• Animals should be given lukewarm feed and water.• 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 against FMD
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
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.
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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कृषि मौसम सलाहकार सेवा पत्रिका

Agro-met Advisory Bulletin

(Period: 31st March to 4th April 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: Changlang

No: 26/2017/Fri

Dated: 31st March 2017



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

Weather summary of the previous week	Weather forecast valid up to 5 th April 2017
Rainfall = Changlang: 0.0 mm Miao: 2.2 mm	Mostly cloudy with possibility of light to rather heavy rainfall in most of the places. Daily maximum and minimum temperature for the following period is predicted to be 18-27°C and 17-22°C respectively. Expected morning and evening relative humidity will be 83-98% and 49-88% respectively. Wind direction is East with speed range of 4-6 kmph.
Warning	<ul style="list-style-type: none">Heavy rainfall is likely to occur at isolated places on 2nd AprilVery heavy rainfall likely on 3rd April over 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			
Maize	Sowing		<ul style="list-style-type: none">Sowing of maize in higher altitudes advocated in raised bedCarry out seed dressing/treatment with Thiram or Carbendazim @ 2g/kg seed before sowing
VEGETABLES			
Pre-summer vegetables	Sowing		<ul style="list-style-type: none">Right time for transplanting the ready seedlings of chili, tomato, capsicum etc.Provide proper drainage to newly transplanted seedlings and follow raised bed of 15-20cm for sowing
HORTICULTURAL CROPS			
Citrus	Flowering	Trunk borer/ Phytophthora symptoms	<ul style="list-style-type: none">Budding method of propagation (T-budding) to commences in oranges using Rangpur lime as rootstock.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 fruitsCleaning & smearing of trunk base with Bordeaux pasteIf flowering begins, avoid spray of insecticides/ pesticides as it may affect pollination process.
Ginger/Turmeric	Planting material collection/ Land preparation		<ul style="list-style-type: none">Identify healthy plants for seed rhizomes/ collect better seedlings from ICAR Basar or KVK West Siang/AnjawKeep selected rhizomes for planting material in partial shade for better sprouting.Mulching materials like forest litters or crop residues should be collected in advanceLand preparation to a fine tilth to be done before sowing during sunny daysAvoid sowing of Ginger/Turmeric during rainy days
Large Cardamom	Sowing		<ul style="list-style-type: none">Should be sown in Primary nursery bed at 2cm deep and 10 cm apart followed by mulching & regular light irrigation.The duration of primary nursery being 3-4 months.
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
Pigs	All stages	FMD (high fever and appearance of mucous membrane of the mouth and foot.)	<ul style="list-style-type: none">Animals should be given lukewarm feed and water.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-vitaminsVaccination 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

कृषि मौसम सलाहकार सेवा पत्रिका

Agro-met Advisory Bulletin

(Period: 31st March to 4th April 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: Dibang Valley

No: 26/2017/Fri

Dated: 31st March 2017



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

Weather summery of the previous week	Weather forecast valid up to 5 th April, 2017
Rainfall = 17.0 mm (Anini)	Variable weather with possibility of light to rather heavy rainfall. Daily maximum and minimum temperature for the following period is predicted to be 20°C and 9°C respectively. Expected morning and evening relative humidity will be 74-94% and 31-89% respectively. Wind direction is E with speed range of 5-7 kmph.
Warning:	<ul style="list-style-type: none">Heavy rainfall is likely to occur at isolated places on 2nd AprilVery heavy rainfall likely on 3rd April over 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			
Jhum field	Sowing		<ul style="list-style-type: none"> Adopt sowing of leguminous crops like cowpea, frenchbean, soybean etc at 2-3 rows across the slope of jhum field at desirable intervals or ratios with rice to prevent soil erosion and conserve moisture and fertility. Carry out seed dressing/treatment with Thiram or Carbendazim @ 2g/kg seed before sowing Cowpea variety (Kashi Kanchan) and Frenchbean variety (Selection-9) are advocated for intercropping as they are short duration, dwarf and high yielding.
Maize	Sowing		<ul style="list-style-type: none"> Sowing of maize in higher altitudes advocated. Carry out seed dressing/treatment with Thiram or Carbendazim @ 2g/kg seed before sowing
VEGETABLES			
Cole crops	Nursery		<ul style="list-style-type: none"> Raising nursery can be carried out in higher altitudes/ cold areas Carry out seed dressing/treatment with Thiram or Carbendazim @ 2g/kg seed before sowing
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/Turmeric	Planting material collection/ Land 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 Land preparation to a fine tilth to be done before sowing during sunny days Avoid sowing of Ginger/Turmeric during rainy days
Citrus	Flowering	Trunk borer/ Phytophthora symptoms	<ul style="list-style-type: none"> Budding method of propagation (T-budding) to commences in oranges using Rangpur lime as rootstock. 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 Cleaning & smearing of trunk base with Bordeaux paste If flowering begins, avoid spray of insecticides/ pesticides as it may affect pollination process.
Large Cardamom	Sowing		<ul style="list-style-type: none"> Should be sown in Primary nursery bed at 2cm deep and 10 cm apart followed by mulching & regular light irrigation. The duration of primary nursery being 3-4 months.
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"> 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"> Animals should be given lukewarm feed and water. 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
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: 31st March to 4th April 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: East Kameng

No: 26/2017/Fri

Dated: 31st March 2017



Weather summary of the previous week	Weather forecast valid up to 5 th April 2017
Rainfall = 12.8 mm	Partly/mostly cloudy sky with possibility of light/moderate rainfall. Daily maximum and minimum temperature for the following period is predicted to be 20-24°C and 14-15°C respectively. Expected morning and evening relative humidity will be 85-97% and 49-86% respectively. Expected wind direction is SE with speed range of 3-6 kmph.
Warning:	<ul style="list-style-type: none"> Heavy rainfall is likely to occur at isolated places on 2nd April Very heavy rainfall likely on 3rd April over 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			
Jhum field	Sowing		<ul style="list-style-type: none"> Adopt sowing of leguminous crops like cowpea, frenchbean, soybean etc at 2-3 rows across the slope of jhum field at desirable intervals or ratios with rice to prevent soil erosion and conserve moisture and fertility. Cowpea variety (Kashi Kanchan) and Frenchbean variety (Selection-9) are advocated for intercropping as they are short duration, dwarf and high yielding. Carry out seed dressing/treatment with Thiram or Carbendazim @ 2g/kg seed before sowing
Pea	Sowing		<ul style="list-style-type: none"> Sowing of pea can be done in higher altitudes Sowing should be done in raised bed of 15-20cm Carry out seed dressing/treatment with Thiram or Carbendazim @ 2g/kg seed before sowing
Maize	Sowing		<ul style="list-style-type: none"> Sowing can be done in higher altitude in raised bed
VEGETABLES			
Cole crops	Nursery		<ul style="list-style-type: none"> Raising nursery can be carried out in higher altitudes/ cold areas
Tomato	Vegetative/Nursery	Nursery insects	<ul style="list-style-type: none"> Cover the crop with polyethene/cloths to protect from frost/rain Nursery raising under protected cultivation Spray Azadirachtin 1% (10000 PPM) @ 1000-1500 ml in 500 litres water/ha against nursery insects
Pre-summer vegetables	Sowing		<ul style="list-style-type: none"> Sowing of pre-summer vegetables like okra, frenchbean can be done Right time for transplanting the ready seedlings of chili, tomato, capsicum etc. Provide drainage to newly transplanted seedlings
HORTICULTURAL CROPS			
Ginger/Turmeric	Planting material collection/ Land 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 Land preparation to a fine tilth to be done before sowing during sunny days Avoid sowing of Ginger/Turmeric during rainy days
Citrus	Flowering	Trunk borer/ Phytophthora symptoms	<ul style="list-style-type: none"> Budding method of propagation (T-budding) to commences in oranges using Rangpur lime as rootstock. 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 Cleaning & smearing of trunk base with Bordeaux paste If flowering begins, avoid spray of insecticides/ pesticides as it may affect pollination process.
Large Cardamom	Sowing		<ul style="list-style-type: none"> Should be sown in Primary nursery bed at 2cm deep and 10 cm apart followed by mulching & regular light irrigation. The duration of primary nursery being 3-4 months.
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">• Animals should be given lukewarm feed and water.• 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
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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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: 31st March to 4th April 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: East Siang

No: 26/2017/Fri

Dated: 31st March 2017



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

Weather summary of the previous week	Weather forecast valid up to 5 th April 2017
NA	Mostly cloudy sky with possibility of light/moderate rainfall. Daily maximum and minimum temperature for the following period is predicted to be 22-28°C and 17-20°C respectively. Expected morning and evening relative humidity will be 84-96% and 48-90% respectively. Expected wind direction is W with speed range of 3-5 kmph.
Warning:	<ul style="list-style-type: none">Heavy rainfall is likely to occur at isolated places on 2nd AprilVery heavy rainfall likely on 3rd April over 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			
Pea	Sowing		<ul style="list-style-type: none"> Sowing of pea recommended for higher altitudes with raised bed of 15-20cm Provide proper drainage to already sown 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
<i>Jhum</i> field	Sowing		<ul style="list-style-type: none"> Adopt sowing of leguminous crops like cowpea, frenchbean, soybean etc at 2-3 rows across the slope of jhum field at desirable intervals or ratios with rice to prevent soil erosion and conserve moisture and fertility. Cowpea variety (Kashi Kanchan) and Frenchbean variety (Selection-9) are advocated for intercropping as they are short duration, dwarf and high yielding. Carry out seed dressing/treatment with Thiram or Carbendazim @ 2g/kg seed before sowing to avoid fungal infections during rainy 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	Nursery insects	<ul style="list-style-type: none"> Cover the crop with polyethene/cloths to protect from frost/rain Nursery raising under protected cultivation Spray Azadirachtin 1% (10000 PPM) @ 1000-1500 ml in 500 litres water/ha
Pre-summer vegetables	Sowing	Nursery insects	<ul style="list-style-type: none"> Right time for transplanting the ready seedlings of chili, tomato, capsicum etc. Provide proper drainage to newly transplanted seedlings and follow raised bed for sowing Spray Azadirachtin 1% (10000 PPM) @ 1000-1500 ml in 500 litres water/ha against nursery insects
HORTICULTURAL CROPS			
Ginger/Turmeric	Planting material collection/ Land 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 Land preparation to a fine tilth to be done before sowing during sunny days Avoid sowing of Ginger/Turmeric during rainy days
Citrus	Flowering	Trunk borer/ Phytophthora symptoms	<ul style="list-style-type: none"> Budding method of propagation (T-budding) to commences in oranges using Rangpur lime as rootstock. 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 Cleaning & smearing of trunk base with Bordeaux paste If flowering begins, avoid spray of insecticides/ pesticides as it may affect pollination process.
Large Cardamom	Sowing		<ul style="list-style-type: none"> Should be sown in Primary nursery bed at 2cm deep and 10 cm apart followed by mulching & regular light irrigation. The duration of primary nursery being 3-4 months.

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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कृषि मौसम सलाहकार सेवा पत्रिका

Agro-met Advisory Bulletin

(Period: 31st March to 4th April 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: 26/2017/Fri

Dated: 31st March 2017



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

Weather summary of the previous week	Weather forecast valid up to 5 th April 2016
Past weather summary not available	Variable weather with light/moderate rainfall in most of the places. Daily maximum and minimum temperature for the following period is predicted to be 23-30°C and 18-20°C respectively. Expected morning and evening relative humidity will be 81-92% and 46-77% respectively. Wind direction is W with speed range of 2-8 kmph.
Warning	<ul style="list-style-type: none">• Heavy rainfall is likely to occur at isolated places on 2nd April• Very heavy rainfall likely on 3rd April over 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			
Jhum field	Sowing		<ul style="list-style-type: none">Adopt sowing of leguminous crops like cowpea, frenchbean, soybean etc at 2-3 rows across the slope of jhum field at desirable intervals or ratios with rice to prevent soil erosion and conserve moisture and fertility.Cowpea variety (Kashi Kanchan) and Frenchbean variety (Selection-9) are advocated for intercropping as they are short duration, dwarf and high yielding.Carry out seed dressing/treatment with Thiram or Carbendazim @ 2g/kg seed before sowing
Maize	Sowing		<ul style="list-style-type: none">Sowing of maize in higher altitudes advocated.Carry out seed dressing/treatment with Thiram or Carbendazim @ 2g/kg seed before sowing
Pea	Sowing		<ul style="list-style-type: none">Sowing of pea recommended for higher altitudes with raised bed of 15-20cmProvide proper drainage to already sown crops
VEGETABLES			
Pre-summer vegetables	Sowing	Nursery insects	<ul style="list-style-type: none">Right time for transplanting the ready seedlings of chili, tomato, capsicum etc.Provide proper drainage to newly transplanted seedlings and follow raised bed for sowingSpray Azadirachtin 1% (10000 PPM) @ 1000-1500 ml in 500 litres water/ha against nursery insects
HORTICULTURAL CROPS			
Ginger/Turmeric	Planting material collection/ Land preparation		<ul style="list-style-type: none">Identify healthy plants for seed rhizomes/ collect better seedlings from ICAR Basar or KVK West Siang/AnjawKeep selected rhizomes for planting material in partial shade for better sprouting.Mulching materials like forest litters or crop residues should be collected in advanceLand preparation to a fine tilth to be done before sowing during sunny daysAvoid sowing of Ginger/Turmeric during rainy days
Citrus	Flowering	Trunk borer/ Phytophthora symptoms	<ul style="list-style-type: none">Budding method of propagation (T-budding) to commences in oranges using Rangpur lime as rootstock.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 fruitsCleaning & smearing of trunk base with Bordeaux pasteIf flowering begins, avoid spray of insecticides/ pesticides as it may affect pollination process.
Large Cardamom	Sowing		<ul style="list-style-type: none">Should be sown in Primary nursery bed at 2cm deep and 10 cm apart followed by mulching & regular light irrigation.The duration of primary nursery being 3-4 months.
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 supervisionSeparate sick animalsThe animal should be washed with lukewarm water added with

			little potash (KMnO ₄) or neem leaves <ul style="list-style-type: none"> 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. 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

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(Period: 31st March to 4th April 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: Lohit

No: 26/2017/Fri

Dated: 31st March 2017



Weather summary of the previous week	Weather forecast valid up to 5 th April, 2017
Rainfall =25.5 mm (Tezu)	Mostly cloudy with possibility of light to heavy rainfall in most of the places. Daily maximum and minimum temperature for the following period is predicted to be 18-28°C and 14°C respectively. Expected morning and evening relative humidity will be 83-97% and 41-85% respectively. Wind direction is East with speed range of 4-7 kmph.
Warning:	<ul style="list-style-type: none">Heavy rainfall is likely to occur at isolated places on 2nd AprilVery heavy rainfall likely on 3rd April over 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			
Maize	Sowing		<ul style="list-style-type: none">Sowing of Maize advocatedCarry out seed dressing/treatment with Thiram or Carbendazim @ 2g/kg seed before sowing
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/rainNursery raising under protected cultivation
Pre-summer vegetables	Sowing		<ul style="list-style-type: none">Sowing of pre-summer vegetables like okra, frenchbean etc advocated, avoid sowing during rainy daysCarry out seed dressing/treatment with Thiram or Carbendazim @ 2g/kg seed before sowingRight 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/Turmeric	Planting material collection/ Land preparation		<ul style="list-style-type: none">Identify healthy plants for seed rhizomes/ collect better seedlings from ICAR Basar or KVK West Siang/AnjawKeep selected rhizomes for planting material in partial shade for better sprouting.Mulching materials like forest litters or crop residues should be collected in advanceLand preparation to a fine tilth to be done before sowing during sunny daysAvoid sowing of Ginger/Turmeric during rainy days
Citrus	Flowering	Trunk borer/ Phytophthora symptoms	<ul style="list-style-type: none">Budding method of propagation (T-budding) to commences in oranges using Rangpur lime as rootstock.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 fruitsCleaning & smearing of trunk base with Bordeaux pasteIf flowering begins, avoid spray of insecticides/ pesticides as it may affect pollination process.
Large Cardamom	Sowing		<ul style="list-style-type: none">Should be sown in Primary nursery bed at 2cm deep and 10 cm apart followed by mulching & regular light irrigation.The duration of primary nursery being 3-4 months.
Honey Bees			
Honey bees			<ul style="list-style-type: none">Provide sugar syrup near the boxAdd 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">Animals should be given lukewarm feed and water.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-vitaminsVaccination 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. <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• 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.
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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