

कृषि मौसम सलाहकार सेवा पत्रिका

Agro-met Advisory Bulletin

(Period: 12th to 14th July 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: 55/2017/Tue

Dated: 11th July, 2017



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

Weather summary of the previous week	Weather forecast valid up to 16 th July 2017
No weather summary available	Variable weather with possibility of light/moderate rainfall. Daily maximum and minimum temperature for the following period is predicted to be 29-32°C and 20-21°C respectively. Expected morning and evening relative humidity will be 88-94% and 56-60% respectively. Wind direction is mainly ENE & E at a speed range of 2-4 kmph.
Warning:	<ul style="list-style-type: none">Not available.

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			
<i>Jhum</i> field	Tillering	True Armyworm (Heavy infestation all over the state)	<ul style="list-style-type: none"> Spray Dichlorvos 76 EC@3ml/lit water along with sticker @ 1ml/lit water Keep poison baits (Rice bran 50kg + Jaggery 5kg + Monocrotophos 36 SL 625ml + required quantity of water) here and there in field.
Rice	Nursery/transplanting/Tillering stage		<ul style="list-style-type: none"> Before transplanting, follow seedling root-dip treatment in chlorpyrifos 20 EC@ 2ml/10 lit for 12 hrs. Need-based application of carbendazim@2gm/lit with sticker @2ml/lit to protect seedling from diseases Maintain periphery of nursery field weed free and clean to prevent disease and pest harboring in weeds. Maintain proper drainage for nursery plot of rice. Apply recommended dose of NPK in WRC at the time of transplanting or liquid formulation of bio-NPK @ 2-3 ml/lit water
Maize	Multiple stages		<ul style="list-style-type: none"> If bluish-green leaves are observed, apply SSP or DAP along with 2/3rd of Urea to rejuvenate the plant from phosphorus deficiency
Groundnut	Vegetative stage		<ul style="list-style-type: none"> On sunny day spray triazophose@2ml/lit water in young seedlings.
VEGETABLES			
Pre-summer vegetables	Seedling/vegetative	Aphids in Cucurbitaceous crops/ Brinjal Shoot & Fruit borer	<ul style="list-style-type: none"> Provision of drainage to remove excess water followed by earthing up in vegetables. In cucurbitaceous crops like bottle gourd, cucumber, ridge gourd etc, earthing up to be done followed by manuring; and stacking should be followed and trained on a bower system made of bamboo + sticks. Dust ash powder in cucurbits Use pheromone traps/light traps against brinjal shoot and fruit borer.
HORTICULTURAL CROPS			
Pineapple	Immature		<ul style="list-style-type: none"> Earthing-up and removal of excess suckers for better plant establishment and anchorage.
Banana	Immature		<ul style="list-style-type: none"> Planting of banana making pit maintaining at a spacing of 2.5 X 2.5 meter plant to plant and row to row distance. Denavelling (removal of male bud) to improve bunch weight Bagging of bunches to protect against unusual rainfall.
Citrus	Marble/ Seedling	Citrus Canker	<ul style="list-style-type: none"> Avoid water stagnation near the tree trunk Remove water shoots and any other shoots below the budded area. To check fruit drop, spray with 1.5g 2,4-D or Gibberelic Acid (GA) with 100 gms Carbendazim and 1 kg Urea mixed in 100 liters of water Prune all canker affected branches and leaves and burn them. Spray copper oxychloride (180 gms) with Streptocycline (6 gms) per 60 liters water.
Large Cardamom	Sowing/germination		<ul style="list-style-type: none"> If damaged by heavy rainfall, re-sowing is recommended at earliest The duration of primary nursery being 3-4 months. Provide adequate drainage
Ginger/Turmeric	Seedling		<ul style="list-style-type: none"> Proper drainage to be done and avoid water stagnation Earthing up of ginger/turmeric along with basal application of required fertilizer should be done
LIVESTOCKS			
Livestock	Stage	Disease	Precautionary Practices to be followed
Fishery	Fingerlings		<ul style="list-style-type: none"> Broadcasting of Mustard Oil Cake (MOC) @ 5kg/pond twice daily advocated for healthy fingerlings
Pigs	All stages	FMD (high fever	<ul style="list-style-type: none"> Keep the houses dry and clean.

		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 against FMD• Reduce concentrate diet up to 5%• Provide adequate potable water
Poultry	All stages		<ul style="list-style-type: none">• Proper ventilation of shed• Provide vitamin complex and glucose in water• Follow ‘All in All out’ system of rearing and do not rear birds of different age groups together.• Avoid overcrowding.• Provide broad-spectrum antihelminthic drugs under vet supervision and recommended doses.• 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
Cattle	All stages	FMD	<ul style="list-style-type: none">• Provide UMB/Molases if possible in the feed• Provide 10-30 ml of vitamin B-Complex in feed• 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			

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)

कृषि मौसम सलाहकार सेवा पत्रिका

Agro-met Advisory Bulletin

(Period: 12th to 14th July 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: 55/2017/Tue

Dated: 11th July, 2017



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

Weather summary of the previous week	Weather forecast valid up to 16 th July 2017
Rainfall = Changlang: NA Miao: NA	Variable weather with possibility of light/moderate rainfall. Daily maximum and minimum temperature for the following period is predicted to be 32-34°C and 23-24°C respectively. Expected morning and evening relative humidity will be 88-95% and 59-70% respectively. Wind direction is mainly ESE & SE with speed range of 2-4 kmph.
Warning	• Not available.

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			
Jhum field	Tillering	True Armyworm (Heavy infestation all over the state)	<ul style="list-style-type: none">• Spray Dichlorvos 76 EC@3ml/lit water along with sticker @ 1ml/lit water• Keep poison baits (Rice bran 50kg + Jaggery 5kg + Monocrotophos 36 SL 625ml + required quantity of water) here and there in field.
Rice	Nursery/transplanting/Tillering stage		<ul style="list-style-type: none">• Before transplanting, follow seedling root-dip treatment in chlorpyriphos 20 EC@ 2ml/10 lit for 12 hrs.• Need-based application of carbendazim@2gm/lit with sticker @2ml/lit to protect seedling from diseases• Maintain periphery of nursery field weed free and clean to prevent disease and pest harboring in weeds.• Maintain proper drainage for nursery plot of rice.• Apply recommended dose of NPK in WRC at the time of transplanting or liquid formulation of bio-NPK @ 2-3 ml/lit water
Maize	Multiple stages		<ul style="list-style-type: none">• If bluish-green leaves are observed, apply SSP or DAP along with 2/3rd of Urea to rejuvenate the plant from phosphorus deficiency
Groundnut	Vegetative stage		<ul style="list-style-type: none">• Do not disturb the soil after 40-45 DAS of groundnut, it will affect the pod formation adversely• On sunny day spray triazophose@2ml/lit water in young seedlings.
Soybean	Sowing		<ul style="list-style-type: none">• Sowing can be done• If already sown, maintain proper drainage
Finger millet	Sowing		<ul style="list-style-type: none">• Sowing of short duration finger millet varieties like VL-324 & VR-708 can be carried out without delay.• If already sown, maintain proper drainage
VEGETABLES			
Pre-summer vegetables	Seedling/vegetative	Aphids in Cucurbitaceous crops/ Brinjal Shoot & Fruit borer	<ul style="list-style-type: none">• Provision of drainage to remove excess water followed by earthing up in vegetables.• In cucurbitaceous crops like bottle gourd, cucumber, ridge gourd etc, earthing up to be done followed by manuring; and stacking should be followed and trained on a bower system made of bamboo + sticks.• Dust ash powder in cucurbits• Use pheromone traps/light traps against brinjal shoot and fruit borer.
HORTICULTURAL CROPS			
Citrus	Marble/ Seedling	Citrus Canker	<ul style="list-style-type: none">• Avoid water stagnation near the tree trunk• Remove water shoots and any other shoots below the budded area.• To check fruit drop, spray with 1.5g 2,4-D or Gibberelic Acid (GA) with 100 gms Carbendazim and 1 kg Urea mixed in 100 liters of water• Prune all canker affected branches and leaves and burn them. Spray copper oxychloride (180 gms) with Streptocycline (6 gms) per 60 liters water.
Large Cardamom	Sowing/germination		<ul style="list-style-type: none">• If damaged by heavy rainfall, re-sowing is recommended at earliest• The duration of primary nursery being 3-4 months.• Provide adequate drainage
Pineapple	Immature		<ul style="list-style-type: none">• Earthing-up and removal of excess suckers for better plant establishment and anchorage.
Banana	Immature		<ul style="list-style-type: none">• Planting of banana making pit maintaining at a spacing of 2.5 X 2.5 meter plant to plant and row to row distance.• Denavelling (removal of male bud) to improve bunch weight• Bagging of bunches to protect against unusual rainfall.

Ginger/Turmeric	Seedling		<ul style="list-style-type: none"> • Proper drainage to be done and avoid water stagnation • Earthing up of ginger/turmeric along with basal application of required fertilizer should be done
Orchards			<ul style="list-style-type: none"> • Prepare half moon terraces in fruit crops (orange/banana/apple/peach) grown in steep slopes to prevent nutrient loss during heavy downpour. • Follow proper drainage and earthing up practices in low land/plain areas to avoid water stagnation in fruit orchards
Honey Bees			
Honey bees			<ul style="list-style-type: none"> • Box must be covered with straw/dry leaves to provide warmth • 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"> • 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 • Reduce concentrate diet up to 5% • Provide adequate potable water
Poultry	All stages		<ul style="list-style-type: none"> • Proper ventilation of shed • Provide vitamin complex and glucose in water • Follow ‘All in All out’ system of rearing and do not rear birds of different age groups together. • Avoid overcrowding. • Provide broad-spectrum antihelminthic drugs under vet supervision and recommended doses. • 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
Cattle	All stages	FMD	<ul style="list-style-type: none"> • Provide UMB/Molases if possible in the feed • Provide 10-30 ml of vitamin B-Complex in feed • 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	Fingerlings		<ul style="list-style-type: none"> • Broadcasting of Mustard Oil Cake (MOC) @ 5kg/pond twice daily advocated for healthy fingerlings
Contact Scientists (ICAR) or State Agril Staff or KVK staff for measures against adverse conditions or call at 03795-226237/226247			

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

Agrometeorological Field Unit
ICAR, BASAR

कृषि मौसम सलाहकार सेवा पत्रिका

Agro-met Advisory Bulletin

(Period: 12th to 14th July 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: 55/2017/Tue

Dated: 11th July, 2017



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

Weather summery of the previous week	Weather forecast valid up to 16 th July 2017
Rainfall = NA (Anini)	Partly cloudy with possibility of light/moderate rainfall. Daily maximum and minimum temperature for the following period is predicted to be 25-26°C and 14-15°C respectively. Expected morning and evening relative humidity will be 90-94% and 50-71% respectively. Wind direction is variable with speed range of 2-5 kmph.
Warning:	• Not available.

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	Tillering	True Armyworm (Heavy infestation all over the state)	<ul style="list-style-type: none"> Spray Dichlorvos 76 EC@3ml/lit water along with sticker @ 1ml/lit water Keep poison baits (Rice bran 50kg + Jaggery 5kg + Monocrotophos 36 SL 625ml + required quantity of water) here and there in field.
Rice	Nursery/transplanting/Tillering stage		<ul style="list-style-type: none"> Before transplanting, follow seedling root-dip treatment in chlorpyrifos 20 EC@ 2ml/10 lit for 12 hrs. Need-based application of carbendazim@2gm/lit with sticker @2ml/lit to protect seedling from diseases Maintain periphery of nursery field weed free and clean to prevent disease and pest harboring in weeds. Maintain proper drainage for nursery plot of rice. Apply recommended dose of NPK in WRC at the time of transplanting or liquid formulation of bio-NPK @ 2-3 ml/lit water
Maize	Multiple stages		<ul style="list-style-type: none"> If bluish-green leaves are observed, apply SSP or DAP along with 2/3rd of Urea to rejuvenate the plant from phosphorus deficiency
Groundnut	Vegetative stage		<ul style="list-style-type: none"> Do not disturb the soil after 40-45 DAS of groundnut, it will affect the pod formation adversely On sunny day spray triazophose@2ml/lit water in young seedlings.
VEGETABLES			
Pre-summer vegetables	Seedling/vegetative	Aphids in Cucurbitaceous crops/ Brinjal Shoot & Fruit borer	<ul style="list-style-type: none"> Provision of drainage to remove excess water followed by earthing up in vegetables. In cucurbitaceous crops like bottle gourd, cucumber, ridge gourd etc, earthing up to be done followed by manuring; and stacking should be followed and trained on a bower system made of bamboo + sticks. Dust ash powder in cucurbits Use pheromone traps/light traps against brinjal shoot and fruit borer.
HORTICULTURAL CROPS			
Citrus	Marble/ Seedling	Citrus Canker	<ul style="list-style-type: none"> Avoid water stagnation near the tree trunk Remove water shoots and any other shoots below the budded area. To check fruit drop, spray with 1.5g 2,4-D or Gibberelic Acid (GA) with 100 gms Carbendazim and 1 kg Urea mixed in 100 liters of water Prune all canker affected branches and leaves and burn them. Spray copper oxychloride (180 gms) with Streptocycline (6 gms) per 60 liters water.
Pineapple	Immature		<ul style="list-style-type: none"> Earthing-up and removal of excess suckers for better plant establishment and anchorage.
Ginger/Turmeric	Seedling		<ul style="list-style-type: none"> Proper drainage to be done and avoid water stagnation Earthing up of ginger/turmeric along with basal application of required fertilizer should be done
Banana	Immature		<ul style="list-style-type: none"> Planting of banana making pit maintaining at a spacing of 2.5 X 2.5 meter plant to plant and row to row distance. Denavelling (removal of male bud) to improve bunch weight Bagging of bunches to protect against unusual rainfall.
Large Cardamom	Sowing/germination		<ul style="list-style-type: none"> If damaged by heavy rainfall, re-sowing is recommended at earliest The duration of primary nursery being 3-4 months. Provide adequate drainage
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"> 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"> 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 Reduce concentrate diet up to 5% Provide adequate potable water
Poultry	All stages		<ul style="list-style-type: none"> Proper ventilation of shed Provide vitamin complex and glucose in water Follow 'All in All out' system of rearing and do not rear birds of different age groups together. Avoid overcrowding. Provide broad-spectrum antihelminthic drugs under vet supervision and recommended doses. 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
Cattle	All stages	FMD	<ul style="list-style-type: none"> Provide UMB/Molases if possible in the feed Provide 10-30 ml of vitamin B-Complex in feed 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	Fingerlings		<ul style="list-style-type: none"> Broadcasting of Mustard Oil Cake (MOC) @ 5kg/pond twice daily advocated for healthy fingerlings
Mithun		FMD	<ul style="list-style-type: none"> Polyvalent FMD vaccine with serotype O, A and Asia at 6 months of age and repeat after that 6 months interval by sub-cutaneous route. Pregnant animals above 7 months of pregnancy should be avoided.
Contact Scientists (ICAR) or State Agril Staff or KVK staff for measures against adverse conditions or call at 03795-226237/226247			

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

Agrometeorological Field Unit
ICAR. BASAR

कृषि मौसम सलाहकार सेवा पत्रिका

Agro-met Advisory Bulletin

(Period: 12th to 14th July 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: 55/2017/Tue

Dated: 11th July, 2017



Weather summary of the previous week	Weather forecast valid up to 16 th July 2017
Rainfall = NA	Mostly sunny with possibility of light/moderate rainfall. Daily maximum and minimum temperature for the following period is predicted to be 19-24°C and 16-17°C respectively. Expected morning and evening relative humidity will be 92-99% and 57-91% respectively. Expected wind direction is mainly SE & WSW with speed range of 2-5 kmph.
Warning:	• Not available

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	Tillering	True Armyworm (Heavy infestation all over the state)	<ul style="list-style-type: none"> Spray Dichlorvos 76 EC@3ml/lit water along with sticker @ 1ml/lit water Keep poison baits (Rice bran 50kg + Jaggery 5kg + Monocrotophos 36 SL 625ml + required quantity of water) here and there in field.
Rice	Nursery/transplanting/Tillering stage		<ul style="list-style-type: none"> Before transplanting, follow seedling root-dip treatment in chlorpyrifos 20 EC@ 2ml/10 lit for 12 hrs. Need-based application of carbendazim@2gm/lit with sticker @2ml/lit to protect seedling from diseases Maintain periphery of nursery field weed free and clean to prevent disease and pest harboring in weeds. Maintain proper drainage for nursery plot of rice. Apply recommended dose of NPK in WRC at the time of transplanting or liquid formulation of bio-NPK @ 2-3 ml/lit water
Maize	Multiple stages		<ul style="list-style-type: none"> If bluish-green leaves are observed, apply SSP or DAP along with 2/3rd of Urea to rejuvenate the plant from phosphorus deficiency
Groundnut	Vegetative stage		<ul style="list-style-type: none"> Do not disturb the soil after 40-45 DAS of groundnut, it will affect the pod formation adversely On sunny day spray triazophose@2ml/lit water in young seedlings.
Finger millet	Sowing		<ul style="list-style-type: none"> Sowing of short duration finger millet varieties like VL-324 & VR-708 can be carried out without delay. If already sown, maintain proper drainage
VEGETABLES			
Pre-summer vegetables	Seedling/vegetative	Aphids in Cucurbitaceous crops/ Brinjal Shoot & Fruit borer	<ul style="list-style-type: none"> Provision of drainage to remove excess water followed by earthing up in vegetables. In cucurbitaceous crops like bottle gourd, cucumber, ridge gourd etc, earthing up to be done followed by manuring; and stacking should be followed and trained on a bower system made of bamboo + sticks. Dust ash powder in cucurbits Use pheromone traps/light traps against brinjal shoot and fruit borer.
HORTICULTURAL CROPS			
Large Cardamom	Sowing/germination		<ul style="list-style-type: none"> If damaged by heavy rainfall, re-sowing is recommended at earliest The duration of primary nursery being 3-4 months. Provide adequate drainage
Citrus	Marble/ Seedling	Citrus Canker	<ul style="list-style-type: none"> Avoid water stagnation near the tree trunk Remove water shoots and any other shoots below the budded area. To check fruit drop, spray with 1.5g 2,4-D or Gibberelic Acid (GA) with 100 gms Carbendazim and 1 kg Urea mixed in 100 liters of water Prune all canker affected branches and leaves and burn them. Spray copper oxychloride (180 gms) with Streptocycline (6 gms) per 60 liters water.
Ginger/Turmeric	Seedling		<ul style="list-style-type: none"> Proper drainage to be done and avoid water stagnation Earthing up of ginger/turmeric along with basal application of required fertilizer should be done
Pineapple	Immature		<ul style="list-style-type: none"> Earthing-up and removal of excess suckers for better plant establishment and anchorage.
Banana	Immature		<ul style="list-style-type: none"> Planting of banana making pit maintaining at a spacing of 2.5 X 2.5 meter plant to plant and row to row distance. Denavelling (removal of male bud) to improve bunch weight

			<ul style="list-style-type: none"> • Bagging of bunches to protect against unusual rainfall.
Orchards			<ul style="list-style-type: none"> • Prepare half moon terraces in fruit crops (orange/banana/apple/peach) grown in steep slopes to prevent nutrient loss during heavy downpour. • Follow proper drainage and earthing up practices in low land/plain areas to avoid water stagnation in fruit orchards
Agroforestry			
Toko palm	Nursery		Filling of nursery polybags for raising of takopalm seedlings
LIVESTOCKS			
Livestock	Stage	Disease	Precautionary Practices to be followed
Fishery	Fingerlings		<ul style="list-style-type: none"> • Broadcasting of Mustard Oil Cake (MOC) @ 5kg/pond twice daily advocated for healthy fingerlings
Fishery			<ul style="list-style-type: none"> • Best time to prepare the culture pond like cleaning aquatic weeds
Pigs	All stages	FMD (high fever and appearance of mucous membrane of the mouth and foot.)	<ul style="list-style-type: none"> • Keep the houses dry and clean. • 1st injection at 6 months of age and 2nd injection at 12 months of age followed by annual vaccination under vet supervision against FMD • Reduce concentrate diet up to 5% • Provide adequate potable water
Poultry	All stages		<ul style="list-style-type: none"> • Proper ventilation of shed • Provide vitamin complex and glucose in water • Follow 'All in All out' system of rearing and do not rear birds of different age groups together. • Avoid overcrowding. • Provide broad-spectrum antihelminthic drugs under vet supervision and recommended doses. • 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
Cattle	All stages	FMD	<ul style="list-style-type: none"> • Provide UMB/Molases if possible in the feed • Provide 10-30 ml of vitamin B-Complex in feed • 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			

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

**Agrometeorological Field Unit
ICAR, BASAR**

कृषि मौसम सलाहकार सेवा पत्रिका

Agro-met Advisory Bulletin

(Period: 12th to 14th July 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: 55/2017/Tue

Dated: 11th July, 2017



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

Weather summary of the previous week	Weather forecast valid up to 16 th July 2017
Not available.	Partly cloudy with possibility of light/moderate rainfall. Daily maximum and minimum temperature for the following period is predicted to be 33-36°C and 24-25°C respectively. Expected morning and evening relative humidity will be 89-94% and 49-74% respectively. Expected wind direction is mainly NNE and NE with speed range of 2-4 kmph.
Warning:	• Not available.

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			
Jhum field	Tillering	True Armyworm (Heavy infestation all over the state)	<ul style="list-style-type: none">• Spray Dichlorvos 76 EC@3ml/lit water along with sticker @ 1ml/lit water• Keep poison baits (Rice bran 50kg + Jaggery 5kg + Monocrotophos 36 SL 625ml + required quantity of water) here and there in field.
Rice	Nursery/transplanting/Tillering stage		<ul style="list-style-type: none">• Before transplanting, follow seedling root-dip treatment in chlorpyriphos 20 EC@ 2ml/10 lit for 12 hrs.• Need-based application of carbendazim@2gm/lit with sticker @2ml/lit to protect seedling from diseases• Maintain periphery of nursery field weed free and clean to prevent disease and pest harboring in weeds.• Maintain proper drainage for nursery plot of rice.• Apply recommended dose of NPK in WRC at the time of transplanting or liquid formulation of bio-NPK @ 2-3 ml/lit water
Maize	Multiple stages		<ul style="list-style-type: none">• If bluish-green leaves are observed, apply SSP or DAP along with 2/3rd of Urea to rejuvenate the plant from phosphorus deficiency
Groundnut	Vegetative stage		<ul style="list-style-type: none">• Do not disturb the soil after 40-45 DAS of groundnut, it will affect the pod formation adversely• On sunny day spray triazophose@2ml/lit water in young seedlings.
Soybean	Sowing		<ul style="list-style-type: none">• Avoid sowing• If already sown, maintain proper drainage
VEGETABLES			
Pre-summer vegetables	Seedling/vegetative	Aphids in Cucurbitaceous crops/ Brinjal Shoot & Fruit borer	<ul style="list-style-type: none">• Provision of drainage to remove excess water followed by earthing up in vegetables.• In cucurbitaceous crops like bottle gourd, cucumber, ridge gourd etc, earthing up to be done followed by manuring; and stacking should be followed and trained on a bower system made of bamboo + sticks.• Dust ash powder in cucurbits• Use pheromone traps/light traps against brinjal shoot and fruit borer.
HORTICULTURAL CROPS			
Citrus	Marble/ Seedling	Citrus Canker	<ul style="list-style-type: none">• Avoid water stagnation near the tree trunk• Remove water shoots and any other shoots below the budded area.• To check fruit drop, spray with 1.5g 2,4-D or Gibberelic Acid (GA) with 100 gms Carbendazim and 1 kg Urea mixed in 100 liters of water• Prune all canker affected branches and leaves and burn them. Spray copper oxychloride (180 gms) with Streptocycline (6 gms) per 60 liters water.
Pineapple	Immature		<ul style="list-style-type: none">• Earthing-up and removal of excess suckers for better plant establishment and anchorage.
Banana	Immature		<ul style="list-style-type: none">• Planting of banana making pit maintaining at a spacing of 2.5 X 2.5 meter plant to plant and row to row distance.• Denavelling (removal of male bud) to improve bunch weight• Bagging of bunches to protect against unusual rainfall.
Ginger/Turmeric	Seedling		<ul style="list-style-type: none">• Proper drainage to be done and avoid water stagnation• Earthing up of ginger/turmeric along with basal application of required fertilizer should be done
Orchards			<ul style="list-style-type: none">• Prepare half moon terraces in fruit crops (orange/banana/apple/peach) grown in steep slopes to prevent nutrient loss during heavy downpour.• Follow proper drainage and earthing up practices in low land/plain areas to avoid water stagnation in fruit orchards

Large Cardamom	Sowing/ germination		<ul style="list-style-type: none"> • If damaged by heavy rainfall, re-sowing is recommended at earliest • The duration of primary nursery being 3-4 months. • Provide adequate drainage
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"> • 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 • Reduce concentrate diet up to 5% • Provide adequate potable water
Poultry	All stages		<ul style="list-style-type: none"> • Proper ventilation of shed • Provide vitamin complex and glucose in water • Follow ‘All in All out’ system of rearing and do not rear birds of different age groups together. • Avoid overcrowding. • Provide broad-spectrum antihelminthic drugs under vet supervision and recommended doses. • 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
Cattle	All stages	FMD	<ul style="list-style-type: none"> • Provide UMB/Molases if possible in the feed • Provide 10-30 ml of vitamin B-Complex in feed • 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	Fingerlings		<ul style="list-style-type: none"> • Broadcasting of Mustard Oil Cake (MOC) @ 5kg/pond twice daily advocated for healthy fingerlings
Mithun		FMD	<ul style="list-style-type: none"> • Polyvalent FMD vaccine with serotype O, A and Asia at 6 months of age and repeat after that 6 months interval by sub-cutaneous route. • Pregnant animals above 7 months of pregnancy should be avoided.
Contact Scientists (ICAR) or State Agril Staff or KVK staff for measures against adverse conditions or call at 03795-226237/226247			

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

Agrometeorological Field Unit

ICAR. BASAR

कृषि मौसम सलाहकार सेवा पत्रिका

Agro-met Advisory Bulletin

(Period: 12th to 14th July 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: 55/2017/Tue

Dated: 11th July, 2017



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

Weather summary of the previous week	Weather forecast valid up to 16 th July 2017
Past weather summary not available	Mostly sunny with possibility of light/moderate rainfall. Daily maximum and minimum temperature for the following period is predicted to be 26-27°C and 16°C respectively. Expected morning and evening relative humidity will be 90-93% and 55-80% respectively. Wind direction is mainly W & WNW with speed range of 2-6 kmph.
Warning	• Not available.

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			
<i>Jhum</i> field	Tillering	True Armyworm (Heavy infestation all over the state)	<ul style="list-style-type: none"> Spray Dichlorvos 76 EC@3ml/lit water along with sticker @ 1ml/lit water Keep poison baits (Rice bran 50kg + Jaggery 5kg + Monocrotophos 36 SL 625ml + required quantity of water) here and there in field.
Rice	Nursery/transplanting/Tillering stage		<ul style="list-style-type: none"> Before transplanting, follow seedling root-dip treatment in chlorpyrifos 20 EC@ 2ml/10 lit for 12 hrs. Need-based application of carbendazim@2gm/lit with sticker @2ml/lit to protect seedling from diseases Maintain periphery of nursery field weed free and clean to prevent disease and pest harboring in weeds. Maintain proper drainage for nursery plot of rice. Apply recommended dose of NPK in WRC at the time of transplanting or liquid formulation of bio-NPK @ 2-3 ml/lit water
Maize	Multiple stages		<ul style="list-style-type: none"> If bluish-green leaves are observed, apply SSP or DAP along with 2/3rd of Urea to rejuvenate the plant from phosphorus deficiency
Groundnut	Vegetative stage		<ul style="list-style-type: none"> Do not disturb the soil after 40-45 DAS of groundnut, it will affect the pod formation adversely On sunny day spray triazophose@2ml/lit water in young seedlings.
Soybean	Sowing		<ul style="list-style-type: none"> Sowing can be done If already sown, maintain proper drainage
Finger millet	Sowing		<ul style="list-style-type: none"> Sowing of short duration finger millet varieties like VL-324 & VR-708 can be carried out without delay. If already sown, maintain proper drainage
Pea	Seedling		<ul style="list-style-type: none"> Provide proper drainage to already sown crops
VEGETABLES			
Pre-summer vegetables	Seedling/vegetative	Aphids in Cucurbitaceous crops/ Brinjal Shoot & Fruit borer	<ul style="list-style-type: none"> Provision of drainage to remove excess water followed by earthing up in vegetables. In cucurbitaceous crops like bottle gourd, cucumber, ridge gourd etc, earthing up to be done followed by manuring; and stacking should be followed and trained on a bower system made of bamboo + sticks. Dust ash powder in cucurbits Use pheromone traps/light traps against brinjal shoot and fruit borer.
HORTICULTURAL CROPS			
Citrus	Marble/ Seedling	Citrus Canker	<ul style="list-style-type: none"> Avoid water stagnation near the tree trunk Remove water shoots and any other shoots below the budded area. To check fruit drop, spray with 1.5g 2,4-D or Gibberelic Acid (GA) with 100 gms Carbendazim and 1 kg Urea mixed in 100 liters of water Prune all canker affected branches and leaves and burn them. Spray copper oxychloride (180 gms) with Streptocycline (6 gms) per 60 liters water.
Ginger/Turmeric	Seedling		<ul style="list-style-type: none"> Proper drainage to be done and avoid water stagnation Earthing up of ginger/turmeric along with basal application of required fertilizer should be done
Pineapple	Immature		<ul style="list-style-type: none"> Earthing-up and removal of excess suckers for better plant establishment and anchorage.
Banana	Immature		<ul style="list-style-type: none"> Planting of banana making pit maintaining at a spacing of 2.5 X 2.5 meter plant to plant and row to row distance. Denavelling (removal of male bud) to improve bunch weight Bagging of bunches to protect against unusual rainfall.

Large Cardamom	Sowing/ germination		<ul style="list-style-type: none"> • If damaged by heavy rainfall, re-sowing is recommended at earliest • The duration of primary nursery being 3-4 months. • Provide adequate drainage
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
Fishery	Fingerlings		<ul style="list-style-type: none"> • Broadcasting of Mustard Oil Cake (MOC) @ 5kg/pond twice daily advocated for healthy fingerlings
Pigs	All stages	FMD (high fever and appearance of mucous membrane of the mouth and foot.)	<ul style="list-style-type: none"> • Keep the houses dry and clean. • 1st injection at 6 months of age and 2nd injection at 12 months of age followed by annual vaccination under vet supervision against FMD • Reduce concentrate diet up to 5% • Provide adequate potable water
Poultry	All stages		<ul style="list-style-type: none"> • Proper ventilation of shed • Provide vitamin complex and glucose in water • Follow ‘All in All out’ system of rearing and do not rear birds of different age groups together. • Avoid overcrowding. • Provide broad-spectrum antihelminthic drugs under vet supervision and recommended doses. • 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
Cattle	All stages	FMD	<ul style="list-style-type: none"> • Provide UMB/Molases if possible in the feed • Provide 10-30 ml of vitamin B-Complex in feed • 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			

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

Agrometeorological Field Unit

ICAR. BASAR

कृषि मौसम सलाहकार सेवा पत्रिका

Agro-met Advisory Bulletin

(Period: 12th to 14th July 2017)

ग्रामीण कृषि मौसम सेवा



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



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

District: Lohit

No: 55/2017/Tue

Dated: 11th July, 2017



Weather summary of the previous week	Weather forecast valid up to 16 th July 2017
Rainfall = NA	Variable weather with possibility of light/moderate rainfall. Daily maximum and minimum temperature for the following period is predicted to be 26-28°C and 18-19°C respectively. Expected morning and evening relative humidity will be 89-94% and 59-65% respectively. Wind direction is mainly E with speed range of 2-4 kmph.
Warning:	• Not available.

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			
Jhum field	Tillering	True Armyworm (Heavy infestation all over the state)	<ul style="list-style-type: none"> Spray Dichlorvos 76 EC@3ml/lit water along with sticker @ 1ml/lit water Keep poison baits (Rice bran 50kg + Jaggery 5kg + Monocrotophos 36 SL 625ml + required quantity of water) here and there in field.
Rice	Nursery/transplanting/Tillering stage		<ul style="list-style-type: none"> Before transplanting, follow seedling root-dip treatment in chlorpyriphos 20 EC@ 2ml/10 lit for 12 hrs. Need-based application of carbendazim@2gm/lit with sticker @2ml/lit to protect seedling from diseases Maintain periphery of nursery field weed free and clean to prevent disease and pest harboring in weeds. Maintain proper drainage for nursery plot of rice. Apply recommended dose of NPK in WRC at the time of transplanting or liquid formulation of bio-NPK @ 2-3 ml/lit water
Maize	Multiple stages		<ul style="list-style-type: none"> If bluish-green leaves are observed, apply SSP or DAP along with 2/3rd of Urea to rejuvenate the plant from phosphorus deficiency
Groundnut	Vegetative stage		<ul style="list-style-type: none"> Do not disturb the soil after 40-45 DAS of groundnut, it will affect the pod formation adversely On sunny day spray triazophose@2ml/lit water in young seedlings.
Finger millet	Sowing		<ul style="list-style-type: none"> Sowing of short duration finger millet varieties like VL-324 & VR-708 can be carried out without delay. If already sown, maintain proper drainage
VEGETABLES			
Pre-summer vegetables	Seedling/vegetative	Aphids in Cucurbitaceous crops/ Brinjal Shoot & Fruit borer	<ul style="list-style-type: none"> If damaged by rain, Okra can be sown again Provision of drainage to remove excess water followed by earthing up in vegetables. In cucurbitaceous crops like bottle gourd, cucumber, ridge gourd etc, earthing up to be done followed by manuring; and stacking should be followed and trained on a bower system made of bamboo + sticks. Dust ash powder in cucurbits Use pheromone traps/light traps against brinjal shoot and fruit borer.
HORTICULTURAL CROPS			
Citrus	Marble/ Seedling	Citrus Canker	<ul style="list-style-type: none"> Avoid water stagnation near the tree trunk Remove water shoots and any other shoots below the budded area. To check fruit drop, spray with 1.5g 2,4-D or Gibberelic Acid (GA) with 100 gms Carbendazim and 1 kg Urea mixed in 100 liters of water Prune all canker affected branches and leaves and burn them. Spray copper oxychloride (180 gms) with Streptocycline (6 gms) per 60 liters water.
Pineapple	Immature		<ul style="list-style-type: none"> Earthing-up and removal of excess suckers for better plant establishment and anchorage.
Ginger/Turmeric	Seedling		<ul style="list-style-type: none"> Proper drainage to be done and avoid water stagnation Earthing up of ginger/turmeric along with basal application of required fertilizer should be done
Banana	Immature		<ul style="list-style-type: none"> Planting of banana making pit maintaining at a spacing of 2.5 X 2.5 meter plant to plant and row to row distance. Denavelling (removal of male bud) to improve bunch weight Bagging of bunches to protect against unusual rainfall.
Large Cardamom	Sowing/germination		<ul style="list-style-type: none"> If damaged by heavy rainfall, re-sowing is recommended at

			earliest <ul style="list-style-type: none"> • The duration of primary nursery being 3-4 months. • Provide adequate drainage
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"> • 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 • Reduce concentrate diet up to 5% • Provide adequate potable water
Poultry	All stages		<ul style="list-style-type: none"> • Proper ventilation of shed • Provide vitamin complex and glucose in water • Follow ‘All in All out’ system of rearing and do not rear birds of different age groups together. • Avoid overcrowding. • Provide broad-spectrum antihelminthic drugs under vet supervision and recommended doses. • 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
Cattle	All stages	FMD	<ul style="list-style-type: none"> • Provide UMB/Molases if possible in the feed • Provide 10-30 ml of vitamin B-Complex in feed • 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	Fingerlings		<ul style="list-style-type: none"> • Broadcasting of Mustard Oil Cake (MOC) @ 5kg/pond twice daily advocated for healthy fingerlings
Contact Scientists (ICAR) or State Agril Staff or KVK staff for measures against adverse conditions or call at 03795-226237/226247			

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

Agrometeorological Field Unit
 ICAR, BASAR

कृषि मौसम सलाहकार सेवा पत्रिका

Agro-met Advisory Bulletin

(Period: 12th to 14th July 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: 55/2017/Tue

Dated: 11th July, 2017



Weather summary of the previous week	Weather forecast valid up to 16 th July 2017
Rainfall = NA	Partly cloudy with possibility of light/moderate rainfall. Daily maximum and minimum temperature for the following period is predicted to be 24-27°C and 16-18°C respectively. Expected morning and evening relative humidity will be 86-92% and 48-64% respectively. Wind direction is mainly ENE & NE with speed range of 2-4 kmph.
Warning:	• Not available.

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			
<i>Jhum</i> field	Tillering	True Armyworm (Heavy infestation all over the state)	<ul style="list-style-type: none"> Spray Dichlorvos 76 EC@3ml/lit water along with sticker @ 1ml/lit water Keep poison baits (Rice bran 50kg + Jaggery 5kg + Monocrotophos 36 SL 625ml + required quantity of water) here and there in field.
Rice	Nursery/transplanting/Tillering stage		<ul style="list-style-type: none"> Before transplanting, follow seedling root-dip treatment in chlorpyriphos 20 EC@ 2ml/10 lit for 12 hrs. Need-based application of carbendazim@2gm/lit with sticker @2ml/lit to protect seedling from diseases Maintain periphery of nursery field weed free and clean to prevent disease and pest harboring in weeds. Maintain proper drainage for nursery plot of rice. Apply recommended dose of NPK in WRC at the time of transplanting or liquid formulation of bio-NPK @ 2-3 ml/lit water
Maize	Multiple stages		<ul style="list-style-type: none"> If bluish-green leaves are observed, apply SSP or DAP along with 2/3rd of Urea to rejuvenate the plant from phosphorus deficiency
Groundnut	Vegetative stage		<ul style="list-style-type: none"> Do not disturb the soil after 40-45 DAS of groundnut, it will affect the pod formation adversely On sunny day spray triazophose@2ml/lit water in young seedlings.
Soybean	Sowing		<ul style="list-style-type: none"> Sowing can be done If already sown, maintain proper drainage
Finger millet	Sowing		<ul style="list-style-type: none"> Sowing of short duration finger millet varieties like VL-324 & VR-708 can be carried out without delay. If already sown, maintain proper drainage
VEGETABLES			
Pre-summer vegetables	Seedling/vegetative	<p>Aphids in Cucurbitaceous crops/</p> <p>Brinjal Shoot & Fruit borer</p>	<ul style="list-style-type: none"> If damaged by heavy rainfall, Okra can be sown again Provision of drainage to remove excess water followed by earthing up in vegetables. In cucurbitaceous crops like bottle gourd, cucumber, ridge gourd etc, earthing up to be done followed by manuring; and stacking should be followed and trained on a bower system made of bamboo + sticks. Dust ash powder in cucurbits Use pheromone traps/light traps against brinjal shoot and fruit borer.
HORTICULTURAL CROPS			
Citrus	Marble/ Seedling	Citrus Canker	<ul style="list-style-type: none"> Avoid water stagnation near the tree trunk Remove water shoots and any other shoots below the budded area. To check fruit drop, spray with 1.5g 2,4-D or Gibberelic Acid (GA) with 100 gms Carbendazim and 1 kg Urea mixed in 100 liters of water Prune all canker affected branches and leaves and burn them. Spray copper oxychloride (180 gms) with Streptocycline (6 gms) per 60 liters water.
Pineapple	Immature		<ul style="list-style-type: none"> Earthing-up and removal of excess suckers for better plant establishment and anchorage.
Banana	Immature		<ul style="list-style-type: none"> Planting of banana making pit maintaining at a spacing of 2.5 X 2.5 meter plant to plant and row to row distance. Denavelling (removal of male bud) to improve bunch weight Bagging of bunches to protect against unusual rainfall.
Orchards			<ul style="list-style-type: none"> Prepare half moon terraces in fruit crops (orange/banana/apple/peach) grown in steep slopes to prevent nutrient loss during heavy downpour.

			<ul style="list-style-type: none"> Follow proper drainage and earthing up practices in low land/plain areas to avoid water stagnation in fruit orchards
Large Cardamom	Sowing/germination		<ul style="list-style-type: none"> If damaged by heavy rainfall, re-sowing is recommended at earliest The duration of primary nursery being 3-4 months. Provide adequate drainage
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"> 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 Reduce concentrate diet up to 5% Provide adequate potable water
Poultry	All stages		<ul style="list-style-type: none"> Proper ventilation of shed Provide vitamin complex and glucose in water Follow ‘All in All out’ system of rearing and do not rear birds of different age groups together. Avoid overcrowding. Provide broad-spectrum antihelminthic drugs under vet supervision and recommended doses. 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
Cattle	All stages	FMD	<ul style="list-style-type: none"> Provide UMB/Molases if possible in the feed Provide 10-30 ml of vitamin B-Complex in feed 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	Fingerlings		<ul style="list-style-type: none"> Broadcasting of Mustard Oil Cake (MOC) @ 5kg/pond twice daily advocated for healthy fingerlings
Contact Scientists (ICAR) or State Agril Staff or KVK staff for measures against adverse conditions or call at 03795-226237/226247			

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

Agrometeorological Field Unit
ICAR, BASAR

कृषि मौसम सलाहकार सेवा पत्रिका

Agro-met Advisory Bulletin

(Period: 12th to 14th July 2017)

ग्रामीण कृषि मौसम सेवा



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



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

District: Lower Subansiri

No: 55/2017/Tue

Dated: 11th July, 2017



Weather summary of the previous week	Weather forecast valid up to 16 th July 2017
Rainfall = NA (Ziro)	Mostly sunny with possibility of light rainfall. Daily maximum and minimum temperature for the following period is predicted to be 25-26°C and 17-18°C respectively. Expected morning and evening relative humidity will be 93-97% and 54-85% respectively. Wind direction is mainly WSW & W with speed range of 2-5 kmph.
Warning:	• Not available

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			
<i>Jhum</i> field	Tillering	True Armyworm (Heavy infestation all over the state)	<ul style="list-style-type: none"> Spray Dichlorvos 76 EC@3ml/lit water along with sticker @ 1ml/lit water Keep poison baits (Rice bran 50kg + Jaggery 5kg + Monocrotophos 36 SL 625ml + required quantity of water) here and there in field.
Rice	Nursery/transplanting/Tillering stage		<ul style="list-style-type: none"> Before transplanting, follow seedling root-dip treatment in chlorpyriphos 20 EC@ 2ml/10 lit for 12 hrs. Need-based application of carbendazim@2gm/lit with sticker @2ml/lit to protect seedling from diseases Maintain periphery of nursery field weed free and clean to prevent disease and pest harboring in weeds. Maintain proper drainage for nursery plot of rice. Apply recommended dose of NPK in WRC at the time of transplanting or liquid formulation of bio-NPK @ 2-3 ml/lit water
Maize	Multiple stages		<ul style="list-style-type: none"> If bluish-green leaves are observed, apply SSP or DAP along with 2/3rd of Urea to rejuvenate the plant from phosphorus deficiency
Groundnut	Vegetative stage		<ul style="list-style-type: none"> Do not disturb the soil after 40-45 DAS of groundnut, it will affect the pod formation adversely On sunny day spray triazophose@2ml/lit water in young seedlings.
VEGETABLES			
Pre-summer vegetables	Seedling/vegetative	Aphids in Cucurbitaceous crops/ Brinjal Shoot & Fruit borer	<ul style="list-style-type: none"> If damaged by heavy rainfall, immediate sowing of okra recommended in this weather Provision of drainage to remove excess water followed by earthing up in vegetables. In cucurbitaceous crops like bottle gourd, cucumber, ridge gourd etc, earthing up to be done followed by manuring; and stacking should be followed and trained on a bower system made of bamboo + sticks. Dust ash powder in cucurbits Use pheromone traps/light traps against brinjal shoot and fruit borer.
HORTICULTURAL CROPS			
Citrus	Marble/ Seedling	Citrus Canker	<ul style="list-style-type: none"> Avoid water stagnation near the tree trunk Remove water shoots and any other shoots below the budded area. To check fruit drop, spray with 1.5g 2,4-D or Gibberelic Acid (GA) with 100 gms Carbendazim and 1 kg Urea mixed in 100 liters of water Prune all canker affected branches and leaves and burn them. Spray copper oxychloride (180 gms) with Streptocycline (6 gms) per 60 liters water.
Pineapple	Vegetative		<ul style="list-style-type: none"> Earthing-up and removal of excess suckers for better plant establishment and anchorage.
Ginger/Turmeric	Seedling		<ul style="list-style-type: none"> Proper drainage to be done and avoid water stagnation Earthing up of ginger/turmeric along with basal application of required fertilizer should be done
Banana	Immature		<ul style="list-style-type: none"> Planting of banana making pit maintaining at a spacing of 2.5 X 2.5 meter plant to plant and row to row distance. Denavelling (removal of male bud) to improve bunch weight Bagging of bunches to protect against unusual rainfall.
Orchards			<ul style="list-style-type: none"> Prepare half moon terraces in fruit crops (orange/banana/apple/peach) grown in steep slopes to prevent nutrient loss during heavy downpour. Follow proper drainage and earthing up practices in low land/plain areas to avoid water stagnation in fruit orchards

Large Cardamom	Sowing/ germination		<ul style="list-style-type: none">• If damaged by heavy rainfall, re-sowing is recommended at earliest• The duration of primary nursery being 3-4 months.• Provide adequate drainage
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">• 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• Reduce concentrate diet up to 5%• Provide adequate potable water
Poultry	All stages		<ul style="list-style-type: none">• Proper ventilation of shed• Provide vitamin complex and glucose in water• Follow ‘All in All out’ system of rearing and do not rear birds of different age groups together.• Avoid overcrowding.• Provide broad-spectrum antihelminthic drugs under vet supervision and recommended doses.• 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
Cattle	All stages	FMD	<ul style="list-style-type: none">• Provide UMB/Molases if possible in the feed• Provide 10-30 ml of vitamin B-Complex in feed• 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	Fingerlings		<ul style="list-style-type: none">• Broadcasting of Mustard Oil Cake (MOC) @ 5kg/pond twice daily advocated for healthy fingerlings
Mithun		FMD	<ul style="list-style-type: none">• Polyvalent FMD vaccine with serotype O, A and Asia at 6 months of age and repeat after that 6 months interval by sub-cutaneous route.• Pregnant animals above 7 months of pregnancy should be avoided.
Contact Scientists (ICAR) or State Agril Staff or KVK staff for measures against adverse conditions or call at 03795-226237/226247			

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

Agrometeorological Field Unit
ICAR, BASAR

कृषि मौसम सलाहकार सेवा पत्रिका

Agro-met Advisory Bulletin

(Period: 12th to 14th July 2017)

ग्रामीण कृषि मौसम सेवा



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



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

District: Papum Pare

No: 55/2017/Tue

Dated: 11th July, 2017



Weather summary of the previous week	Weather forecast valid up to 16 th July 2017
Not available	Variable weather with possibility of light/moderate rainfall. Daily maximum and minimum temperature for the following period is predicted to be 32-35°C and 24-26°C respectively. Expected morning and evening relative humidity will be 90-96% and 54-89% respectively. Expected wind direction is variable with speed range of 2-3 kmph.
Warning:	• Not available

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	Tillering	True Armyworm (Heavy infestation all over the state)	<ul style="list-style-type: none"> Spray Dichlorvos 76 EC@3ml/lit water along with sticker @ 1ml/lit water Keep poison baits (Rice bran 50kg + Jaggery 5kg + Monocrotophos 36 SL 625ml + required quantity of water) here and there in field.
Rice	Nursery/transplanting/Tillering stage		<ul style="list-style-type: none"> Before transplanting, follow seedling root-dip treatment in chlorpyriphos 20 EC@ 2ml/10 lit for 12 hrs. Need-based application of carbendazim@2gm/lit with sticker @2ml/lit to protect seedling from diseases Maintain periphery of nursery field weed free and clean to prevent disease and pest harboring in weeds. Maintain proper drainage for nursery plot of rice. Apply recommended dose of NPK in WRC at the time of transplanting or liquid formulation of bio-NPK @ 2-3 ml/lit water
Maize	Multiple stages		<ul style="list-style-type: none"> If bluish-green leaves are observed, apply SSP or DAP along with 2/3rd of Urea to rejuvenate the plant from phosphorus deficiency
Groundnut	Vegetative stage		<ul style="list-style-type: none"> Do not disturb the soil after 40-45 DAS of groundnut, it will affect the pod formation adversely On sunny day spray triazophose@2ml/lit water in young seedlings.
Finger millet	Sowing		<ul style="list-style-type: none"> Sowing of short duration finger millet varieties like VL-324 & VR-708 can be carried out without delay.
VEGETABLES			
Pre-summer vegetables	Seedling/vegetative	Aphids in Cucurbitaceous crops/ Brinjal Shoot & Fruit borer	<ul style="list-style-type: none"> Provision of drainage to remove excess water followed by earthing up in vegetables. In cucurbitaceous crops like bottle gourd, cucumber, ridge gourd etc, earthing up to be done followed by manuring; and stacking should be followed and trained on a bower system made of bamboo + sticks. Dust ash powder in cucurbits Use pheromone traps/light traps against brinjal shoot and fruit borer.
HORTICULTURAL CROPS			
Citrus	Marble/ Seedling	Citrus Canker	<ul style="list-style-type: none"> Avoid water stagnation near the tree trunk Remove water shoots and any other shoots below the budded area. To check fruit drop, spray with 1.5g 2,4-D or Gibberelic Acid (GA) with 100 gms Carbendazim and 1 kg Urea mixed in 100 liters of water Prune all canker affected branches and leaves and burn them. Spray copper oxychloride (180 gms) with Streptocycline (6 gms) per 60 liters water.
Pineapple	Immature		<ul style="list-style-type: none"> Earthing-up and removal of excess suckers for better plant establishment and anchorage.
Ginger/Turmeric	Seedling		<ul style="list-style-type: none"> Proper drainage to be done and avoid water stagnation Earthing up of ginger/turmeric along with basal application of required fertilizer should be done
Orchards			<ul style="list-style-type: none"> Prepare half moon terraces in fruit crops (orange/banana/apple/peach) grown in steep slopes to prevent nutrient loss during heavy downpour. Follow proper drainage and earthing up practices in low land/plain areas to avoid water stagnation in fruit orchards
Banana	Immature		<ul style="list-style-type: none"> Planting of banana making pit maintaining at a spacing of 2.5 X 2.5 meter plant to plant and row to row distance. Denavelling (removal of male bud) to improve bunch weight Bagging of bunches to protect against unusual rainfall.

Large Cardamom	Sowing/ germination		<ul style="list-style-type: none"> • If damaged by heavy rainfall, re-sowing is recommended at earliest • The duration of primary nursery being 3-4 months. • Provide adequate drainage
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
Fishery	Fingerlings		<ul style="list-style-type: none"> • Broadcasting of Mustard Oil Cake (MOC) @ 5kg/pond twice daily advocated for healthy fingerlings
Pigs	All stages	FMD (high fever and appearance of mucous membrane of the mouth and foot.)	<ul style="list-style-type: none"> • Keep the houses dry and clean. • 1st injection at 6 months of age and 2nd injection at 12 months of age followed by annual vaccination under vet supervision against FMD • Reduce concentrate diet up to 5% • Provide adequate potable water
Poultry	All stages		<ul style="list-style-type: none"> • Proper ventilation of shed • Provide vitamin complex and glucose in water • Follow 'All in All out' system of rearing and do not rear birds of different age groups together. • Avoid overcrowding. • Provide broad-spectrum antihelminthic drugs under vet supervision and recommended doses. • 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
Cattle	All stages	FMD	<ul style="list-style-type: none"> • Provide UMB/Molases if possible in the feed • Provide 10-30 ml of vitamin B-Complex in feed • 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			

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

Agrometeorological Field Unit
ICAR. BASAR

कृषि मौसम सलाहकार सेवा पत्रिका

Agro-met Advisory Bulletin

(Period: 12th to 14th July 2017)

ग्रामीण कृषि मौसम सेवा



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



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

District: Tawang

No: 55/2017/Tue

Dated: 11th July, 2017



Weather summary of the previous week	Weather forecast valid up to 16 th July 2017
Rainfall = NA	Mostly sunny with possibility of light/moderate rainfall,. Daily maximum and minimum temperature for the following period is predicted to be 16-18°C and 13-15°C respectively. Expected morning and evening relative humidity will be 90-95% and 63-83% respectively. Wind direction is variable with probable speed range of 2-5 kmph.
Warning:	• Not available

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	Tillering	True Armyworm (Heavy infestation all over the state)	<ul style="list-style-type: none"> Spray Dichlorvos 76 EC@3ml/lit water along with sticker @ 1ml/lit water Keep poison baits (Rice bran 50kg + Jaggery 5kg + Monocrotophos 36 SL 625ml + required quantity of water) here and there in field.
Rice	Nursery/transplanting/Tillering stage		<ul style="list-style-type: none"> Before transplanting, follow seedling root-dip treatment in chlorpyriphos 20 EC@ 2ml/10 lit for 12 hrs. Need-based application of carbendazim@2gm/lit with sticker @2ml/lit to protect seedling from diseases Maintain periphery of nursery field weed free and clean to prevent disease and pest harboring in weeds. Maintain proper drainage for nursery plot of rice. Apply recommended dose of NPK in WRC at the time of transplanting or liquid formulation of bio-NPK @ 2-3 ml/lit water
Maize	Multiple stages		<ul style="list-style-type: none"> If bluish-green leaves are observed, apply SSP or DAP along with 2/3rd of Urea to rejuvenate the plant from phosphorus deficiency
Groundnut	Vegetative stage		<ul style="list-style-type: none"> Do not disturb the soil after 40-45 DAS of groundnut, it will affect the pod formation adversely On sunny day spray triazophose@2ml/lit water in young seedlings.
Finger millet	Sowing		<ul style="list-style-type: none"> Sowing of short duration finger millet varieties like VL-324 & VR-708 can be carried out without delay. If already sown, maintain proper drainage
VEGETABLES			
Pre-summer vegetables	Seedling/vegetative	Aphids in Cucurbitaceous crops/ Brinjal Shoot & Fruit borer	<ul style="list-style-type: none"> Provision of drainage to remove excess water followed by earthing up in vegetables. In cucurbitaceous crops like bottle gourd, cucumber, ridge gourd etc, earthing up to be done followed by manuring; and stacking should be followed and trained on a bower system made of bamboo + sticks. Dust ash powder in cucurbits Use pheromone traps/light traps against brinjal shoot and fruit borer.
HORTICULTURAL CROPS			
Citrus	Marble/ Seedling	Citrus Canker	<ul style="list-style-type: none"> Avoid water stagnation near the tree trunk Remove water shoots and any other shoots below the budded area. To check fruit drop, spray with 1.5g 2,4-D or Gibberelic Acid (GA) with 100 gms Carbendazim and 1 kg Urea mixed in 100 liters of water Prune all canker affected branches and leaves and burn them. Spray copper oxychloride (180 gms) with Streptocycline (6 gms) per 60 liters water.
Large Cardamom	Sowing/germination		<ul style="list-style-type: none"> If damaged by heavy rainfall, re-sowing is recommended at earliest The duration of primary nursery being 3-4 months. Provide adequate drainage
Ginger/Turmeric	Seedling		<ul style="list-style-type: none"> Proper drainage to be done and avoid water stagnation Earthing up of ginger/turmeric along with basal application of required fertilizer should be done
Pineapple	Immature		<ul style="list-style-type: none"> Earthing-up and removal of excess suckers for better plant establishment and anchorage.
Orchards			<ul style="list-style-type: none"> Prepare half moon terraces in fruit crops (orange/banana/apple/peach) grown in steep slopes to prevent nutrient loss during heavy downpour. Follow proper drainage and earthing up practices in low land/plain areas to avoid water stagnation in fruit orchards

Honey Bees			
Honey bees			<ul style="list-style-type: none"> • Provide sugar syrup near the box • Add insulation and ventilation systems
LIVESTOCKS			
Livestock	Stage	Disease	Precautionary Practices to be followed
Pigs	All stages	FMD (high fever and appearance of mucous membrane of the mouth and foot.)	<ul style="list-style-type: none"> • Keep the houses dry and clean. • 1st injection at 6 months of age and 2nd injection at 12 months of age followed by annual vaccination under vet supervision against FMD • Reduce concentrate diet up to 5% • Provide adequate potable water
Poultry	All stages		<ul style="list-style-type: none"> • Proper ventilation of shed • Provide vitamin complex and glucose in water • Follow 'All in All out' system of rearing and do not rear birds of different age groups together. • Avoid overcrowding. • Provide broad-spectrum antihelminthic drugs under vet supervision and recommended doses. • 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
Cattle	All stages	FMD	<ul style="list-style-type: none"> • Provide UMB/Molases if possible in the feed • Provide 10-30 ml of vitamin B-Complex in feed • 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			

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

Agrometeorological Field Unit
ICAR, BASAR

कृषि मौसम सलाहकार सेवा पत्रिका

Agro-met Advisory Bulletin

(Period: 12th to 14th July 2017)

ग्रामीण कृषि मौसम सेवा



GRAMIN KRISHI MAUSAM SEWA

(Integrated Agro-Meteorological Advisory Services)



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

District: Tirap

No: 55/2017/Tue

Dated: 11th July, 2017



Weather summary of the previous week	Weather forecast valid up to 16 th July 2017
Rainfall = NA	Variable weather with possibility of light/moderate rainfall. Daily maximum and minimum temperature for the following period is predicted to be 30-37°C and 22-25°C respectively. Expected morning and evening relative humidity will be 88-98% and 56-86% respectively. Wind direction is variable with speed range of 2-4 kmph.
Warning:	<ul style="list-style-type: none">Not available.

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	Tillering	True Armyworm (Heavy infestation all over the state)	<ul style="list-style-type: none"> Spray Dichlorvos 76 EC@3ml/lit water along with sticker @ 1ml/lit water Keep poison baits (Rice bran 50kg + Jaggery 5kg + Monocrotophos 36 SL 625ml + required quantity of water) here and there in field.
Rice	Nursery/transplanting/Tillering stage		<ul style="list-style-type: none"> Before transplanting, follow seedling root-dip treatment in chlorpyriphos 20 EC@ 2ml/10 lit for 12 hrs. Need-based application of carbendazim@2gm/lit with sticker @2ml/lit to protect seedling from diseases Maintain periphery of nursery field weed free and clean to prevent disease and pest harboring in weeds. Maintain proper drainage for nursery plot of rice. Apply recommended dose of NPK in WRC at the time of transplanting or liquid formulation of bio-NPK @ 2-3 ml/lit water
Maize	Multiple stages		<ul style="list-style-type: none"> If bluish-green leaves are observed, apply SSP or DAP along with 2/3rd of Urea to rejuvenate the plant from phosphorus deficiency
Groundnut	Vegetative stage		<ul style="list-style-type: none"> Do not disturb the soil after 40-45 DAS of groundnut, it will affect the pod formation adversely On sunny day spray triazophose@2ml/lit water in young seedlings.
Finger millet	Sowing		<ul style="list-style-type: none"> Sowing of short duration finger millet varieties like VL-324 & VR-708 can be carried out without delay. If already sown, maintain proper drainage
VEGETABLES			
Pre-summer vegetables	Seedling/vegetative	Aphids in Cucurbitaceous crops/ Brinjal Shoot & Fruit borer	<ul style="list-style-type: none"> If damaged by rainfall, re-sowing of okra, blackgram etc may be done immediately Provision of drainage to remove excess water followed by earthing up in vegetables. In cucurbitaceous crops like bottle gourd, cucumber, ridge gourd etc, earthing up to be done followed by manuring; and stacking should be followed and trained on a bower system made of bamboo + sticks. Dust ash powder in cucurbits Use pheromone traps/light traps against brinjal shoot and fruit borer.
HORTICULTURAL CROPS			
Citrus	Marble/ Seedling	Citrus Canker	<ul style="list-style-type: none"> Avoid water stagnation near the tree trunk Remove water shoots and any other shoots below the budded area. To check fruit drop, spray with 1.5g 2,4-D or Gibberelic Acid (GA) with 100 gms Carbendazim and 1 kg Urea mixed in 100 liters of water Prune all canker affected branches and leaves and burn them. Spray copper oxychloride (180 gms) with Streptocycline (6 gms) per 60 liters water.
Pineapple	Immature		<ul style="list-style-type: none"> Earthing-up and removal of excess suckers for better plant establishment and anchorage.
Banana	Immature		<ul style="list-style-type: none"> Planting of banana making pit maintaining at a spacing of 2.5 X 2.5 meter plant to plant and row to row distance. Denavelling (removal of male bud) to improve bunch weight Bagging of bunches to protect against unusual rainfall.
Orchards			<ul style="list-style-type: none"> Prepare half moon terraces in fruit crops (orange/banana/apple/peach) grown in steep slopes to prevent nutrient loss during heavy downpour. Follow proper drainage and earthing up practices in low land/plain areas to avoid water stagnation in fruit orchards

Large Cardamom	Sowing/ germination		<ul style="list-style-type: none"> • If damaged by heavy rainfall, re-sowing is recommended at earliest • The duration of primary nursery being 3-4 months. • Provide adequate drainage
Honey Bees			
			<ul style="list-style-type: none"> • Box must be covered with straw/dry leaves to provide warmth
LIVESTOCKS			
Livestock	Stage	Disease	Precautionary Practices to be followed
Pigs	All stages	FMD (high fever and appearance of mucous membrane of the mouth and foot.)	<ul style="list-style-type: none"> • Keep the houses dry and clean. • 1st injection at 6 months of age and 2nd injection at 12 months of age followed by annual vaccination under vet supervision against FMD • Reduce concentrate diet up to 5% • Provide adequate potable water
Poultry	All stages		<ul style="list-style-type: none"> • Proper ventilation of shed • Provide vitamin complex and glucose in water • Follow 'All in All out' system of rearing and do not rear birds of different age groups together. • Avoid overcrowding. • Provide broad-spectrum antihelminthic drugs under vet supervision and recommended doses. • 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
Cattle	All stages	FMD	<ul style="list-style-type: none"> • Provide UMB/Molases if possible in the feed • Provide 10-30 ml of vitamin B-Complex in feed • 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	Fingerlings		<ul style="list-style-type: none"> • Broadcasting of Mustard Oil Cake (MOC) @ 5kg/pond twice daily advocated for healthy fingerlings
Mithun		FMD	<ul style="list-style-type: none"> • Polyvalent FMD vaccine with serotype O, A and Asia at 6 months of age and repeat after that 6 months interval by sub-cutaneous route. • Pregnant animals above 7 months of pregnancy should be avoided.
Contact Scientists (ICAR) or State Agril Staff or KVK staff for measures against adverse conditions or call at 03795-226237/226247			

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

Agrometeorological Field Unit
ICAR, BASAR

कृषि मौसम सलाहकार सेवा पत्रिका

Agro-met Advisory Bulletin

(Period: 12th to 14th July 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: 55/2017/Tue

Dated: 11th July, 2017



Weather summary of the previous week	Weather forecast valid up to 16 th July 2017
Rainfall = Not available	Mostly sunny with possibility of light/moderate rainfall. Daily maximum and minimum temperature for the following period is predicted to be 25-26°C and 14-15°C respectively. Expected morning and evening relative humidity will be 73-89% and 44-60% respectively. Wind direction is mainly SSE with speed range of 2-4 kmph.
Warning:	• Not available.

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			
Jhum field	Tillering	True Armyworm (Heavy infestation all over the state)	<ul style="list-style-type: none"> Spray Dichlorvos 76 EC@3ml/lit water along with sticker @ 1ml/lit water Keep poison baits (Rice bran 50kg + Jaggery 5kg + Monocrotophos 36 SL 625ml + required quantity of water) here and there in field.
Rice	Nursery/transplanting/Tillering stage		<ul style="list-style-type: none"> Before transplanting, follow seedling root-dip treatment in chlorpyrifos 20 EC@ 2ml/10 lit for 12 hrs. Need-based application of carbendazim@2gm/lit with sticker @2ml/lit to protect seedling from diseases Maintain periphery of nursery field weed free and clean to prevent disease and pest harboring in weeds. Maintain proper drainage for nursery plot of rice. Apply recommended dose of NPK in WRC at the time of transplanting or liquid formulation of bio-NPK @ 2-3 ml/lit water
Maize	Multiple stages		<ul style="list-style-type: none"> If bluish-green leaves are observed, apply SSP or DAP along with 2/3rd of Urea to rejuvenate the plant from phosphorus deficiency
Groundnut	Vegetative stage		<ul style="list-style-type: none"> Do not disturb the soil after 40-45 DAS of groundnut, it will affect the pod formation adversely On sunny day spray triazophose@2ml/lit water in young seedlings.
Finger millet	Sowing		<ul style="list-style-type: none"> Sowing of short duration finger millet varieties like VL-324 & VR-708 can be carried out without delay. If already sown, maintain proper drainage
VEGETABLES			
Pre-summer vegetables	Seedling/vegetative	Aphids in Cucurbitaceous crops/ Brinjal Shoot & Fruit borer	<ul style="list-style-type: none"> Provision of drainage to remove excess water followed by earthing up in vegetables. In cucurbitaceous crops like bottle gourd, cucumber, ridge gourd etc, earthing up to be done followed by manuring; and stacking should be followed and trained on a bower system made of bamboo + sticks. Dust ash powder in cucurbits Use pheromone traps/light traps against brinjal shoot and fruit borer. Re-sowing of okra can be done
HORTICULTURAL CROPS			
Citrus	Marble/ Seedling	Citrus Canker	<ul style="list-style-type: none"> Avoid water stagnation near the tree trunk Remove water shoots and any other shoots below the budded area. To check fruit drop, spray with 1.5g 2,4-D or Gibberelic Acid (GA) with 100 gms Carbendazim and 1 kg Urea mixed in 100 liters of water Prune all canker affected branches and leaves and burn them. Spray copper oxychloride (180 gms) with Streptocycline (6 gms) per 60 liters water.
Pineapple	Immature		<ul style="list-style-type: none"> Earthing-up and removal of excess suckers for better plant establishment and anchorage.
Ginger/Turmeric	Seedling		<ul style="list-style-type: none"> Proper drainage to be done and avoid water stagnation Earthing up of ginger/turmeric along with basal application of required fertilizer should be done
Citrus	Marble/ Seedling	Phytophthora disease/ Citrus canker/ Colletotrichum fruit drop	<ul style="list-style-type: none"> Optimum time for orange seedling following half moon terraces on hills maintaining a spacing of 5 m from pit to pit. Affected leaves, branch should be pruned and burnt. Prepare half moon terraces in fruit crops (orange/banana/apple/peach) grown in steep slopes to prevent nutrient loss during heavy downpour. Spray Carbendazim 50 WP @ 1gm/lit water during

			clear/dry weather
Banana	Immature		<ul style="list-style-type: none"> Planting of banana making pit maintaining at a spacing of 2.5 X 2.5 meter plant to plant and row to row distance. Denavelling (removal of male bud) to improve bunch weight Bagging of bunches to protect against unusual rainfall.
Orchards			<ul style="list-style-type: none"> Prepare half moon terraces in fruit crops (orange/banana/apple/peach) grown in steep slopes to prevent nutrient loss during heavy downpour. Follow proper drainage and earthing up practices in low land/plain areas to avoid water stagnation in fruit orchards
Honey Bees			
Honey bees			<ul style="list-style-type: none"> Box must be covered with straw/dry leaves to provide warmth 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"> 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 Reduce concentrate diet up to 5% Provide adequate potable water
Poultry	All stages		<ul style="list-style-type: none"> Proper ventilation of shed Provide vitamin complex and glucose in water Follow 'All in All out' system of rearing and do not rear birds of different age groups together. Avoid overcrowding. Provide broad-spectrum antihelminthic drugs under vet supervision and recommended doses. 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
Cattle	All stages	FMD	<ul style="list-style-type: none"> Provide UMB/Molases if possible in the feed Provide 10-30 ml of vitamin B-Complex in feed 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	Fingerlings		<ul style="list-style-type: none"> Broadcasting of Mustard Oil Cake (MOC) @ 5kg/pond twice daily advocated for healthy fingerlings
Mithun		FMD	<ul style="list-style-type: none"> Polyvalent FMD vaccine with serotype O, A and Asia at 6 months of age and repeat after that 6 months interval by sub-cutaneous route. Pregnant animals above 7 months of pregnancy should be avoided.
Contact Scientists (ICAR) or State Agril Staff or KVK staff for measures against adverse conditions or call at 03795-226237/226247			

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

Agrometeorological Field Unit
ICAR, BASAR

कृषि मौसम सलाहकार सेवा पत्रिका

Agro-met Advisory Bulletin

(Period: 12th to 14th July 2017)

ग्रामीण कृषि मौसम सेवा



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

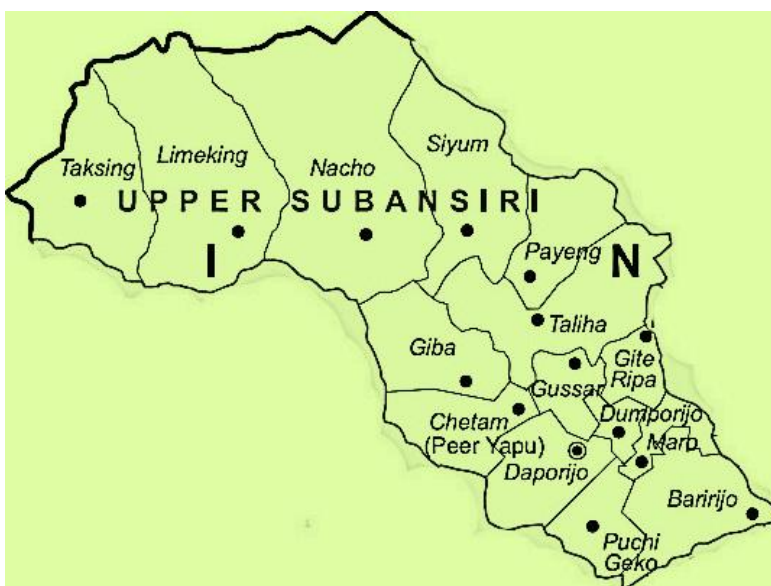


AMFU, ICAR Research Complex for NEH Region
Arunachal Pradesh Centre, Basar-791101

District: Upper Subansiri

No: 55/2017/Tue

Dated: 11th July, 2017



Weather summery of the previous week	Weather forecast valid up to 16 th July 2017
Daporijo: NA	Mostly sunny with possibility of light rainfall. Daily maximum and minimum temperature for the following period is predicted to be 25-27°C and 15-16°C respectively. Expected morning and evening relative humidity will be 92-94% and 53-82% respectively. Expected wind direction is variable with speed range of 2-4 kmph.
Warning	• Not available

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			
Jhum field	Tillering	True Armyworm (Heavy infestation all over the state)	<ul style="list-style-type: none"> Spray Dichlorvos 76 EC@3ml/lit water along with sticker @ 1ml/lit water Keep poison baits (Rice bran 50kg + Jaggery 5kg + Monocrotophos 36 SL 625ml + required quantity of water) here and there in field.
Rice	Nursery/transplanting/Tillering stage		<ul style="list-style-type: none"> Before transplanting, follow seedling root-dip treatment in chlorpyriphos 20 EC@ 2ml/10 lit for 12 hrs. Need-based application of carbendazim@2gm/lit with sticker @2ml/lit to protect seedling from diseases Maintain periphery of nursery field weed free and clean to prevent disease and pest harboring in weeds. Maintain proper drainage for nursery plot of rice. Apply recommended dose of NPK in WRC at the time of transplanting or liquid formulation of bio-NPK @ 2-3 ml/lit water
Maize	Multiple stages		<ul style="list-style-type: none"> If bluish-green leaves are observed, apply SSP or DAP along with 2/3rd of Urea to rejuvenate the plant from phosphorus deficiency
Groundnut	Vegetative stage		<ul style="list-style-type: none"> Do not disturb the soil after 40-45 DAS of groundnut, it will affect the pod formation adversely On sunny day spray triazophose@2ml/lit water in young seedlings.
VEGETABLES			
Pre-summer vegetables	Seedling/vegetative		<ul style="list-style-type: none"> Re-sowing of okra, blackgram, frenchbean etc recommended Provision of drainage to remove excess water followed by earthing up in vegetables. In cucurbitaceous crops like bottle gourd, cucumber, ridge gourd etc, earthing up to be done followed by manuring; and stacking should be followed and trained on a bower system made of bamboo + sticks. Seed treatment: Before sowing treat seed with trichoderma viridi1% WP @ 10g/kg seed.
HORTICULTURAL CROPS			
Citrus	Marble/ Seedling	Citrus Canker	<ul style="list-style-type: none"> Avoid water stagnation near the tree trunk Remove water shoots and any other shoots below the budded area. To check fruit drop, spray with 1.5g 2,4-D or Gibberelic Acid (GA) with 100 gms Carbendazim and 1 kg Urea mixed in 100 liters of water Prune all canker affected branches and leaves and burn them. Spray copper oxychloride (180 gms) with Streptocycline (6 gms) per 60 liters water.
Pineapple	Immature		<ul style="list-style-type: none"> Earthing-up and removal of excess suckers for better plant establishment and anchorage.
Banana	Immature		<ul style="list-style-type: none"> Planting of banana making pit maintaining at a spacing of 2.5 X 2.5 meter plant to plant and row to row distance. Denavelling (removal of male bud) to improve bunch weight Bagging of bunches to protect against unusual rainfall.
Orchards			<ul style="list-style-type: none"> Prepare half moon terraces in fruit crops (orange/banana/apple/peach) grown in steep slopes to prevent nutrient loss during heavy downpour. Follow proper drainage and earthing up practices in low land/plain areas to avoid water stagnation in fruit orchards
Honey Bees			
Honey bees			<ul style="list-style-type: none"> Provide sugar syrup near the box Add insulation and ventilation systems
LIVESTOCKS			

Livestock	Stage	Disease	Precautionary Practices to be followed
Fishery	Fingerlings		<ul style="list-style-type: none"> • Broadcasting of Mustard Oil Cake (MOC) @ 5kg/pond twice daily advocated for healthy fingerlings
Pigs	All stages	FMD (high fever and appearance of mucous membrane of the mouth and foot.)	<ul style="list-style-type: none"> • Keep the houses dry and clean. • 1st injection at 6 months of age and 2nd injection at 12 months of age followed by annual vaccination under vet supervision against FMD • Reduce concentrate diet up to 5% • Provide adequate potable water
Poultry	All stages		<ul style="list-style-type: none"> • Proper ventilation of shed • Provide vitamin complex and glucose in water • Follow ‘All in All out’ system of rearing and do not rear birds of different age groups together. • Avoid overcrowding. • Provide broad-spectrum antihelminthic drugs under vet supervision and recommended doses. • 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
Cattle	All stages	FMD	<ul style="list-style-type: none"> • Provide UMB/Molases if possible in the feed • Provide 10-30 ml of vitamin B-Complex in feed • 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

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

Agrometeorological Field Unit
ICAR. BASAR

कृषि मौसम सलाहकार सेवा पत्रिका

Agro-met Advisory Bulletin

(Period: 12th to 14th July 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: 55/2017/Tue

Dated: 11th July, 2017



Weather summary of the previous week	Weather forecast valid up to 16 th July 2017
Rainfall = Bomdila: NA; Bhalukpong: NA	Mostly sunny with possibility of light/moderate rainfall. Daily maximum and minimum temperature for the following period is predicted to be 19-23°C and 14-15°C respectively. Expected morning and evening relative humidity will be 91-98% and 61-88% respectively. Wind direction is variable with speed range of 2-6 kmph.
Warning:	• Not available

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	Tillering	True Armyworm (Heavy infestation all over the state)	<ul style="list-style-type: none"> Spray Dichlorvos 76 EC@3ml/lit water along with sticker @ 1ml/lit water Keep poison baits (Rice bran 50kg + Jaggery 5kg + Monocrotophos 36 SL 625ml + required quantity of water) here and there in field.
Rice	Nursery/transplanting/Tillering stage		<ul style="list-style-type: none"> Before transplanting, follow seedling root-dip treatment in chlorpyriphos 20 EC@ 2ml/10 lit for 12 hrs. Need-based application of carbendazim@2gm/lit with sticker @2ml/lit to protect seedling from diseases Maintain periphery of nursery field weed free and clean to prevent disease and pest harboring in weeds. Maintain proper drainage for nursery plot of rice. Apply recommended dose of NPK in WRC at the time of transplanting or liquid formulation of bio-NPK @ 2-3 ml/lit water
Maize	Multiple stages		<ul style="list-style-type: none"> If bluish-green leaves are observed, apply SSP or DAP along with 2/3rd of Urea to rejuvenate the plant from phosphorus deficiency
Groundnut	Vegetative stage		<ul style="list-style-type: none"> Do not disturb the soil after 40-45 DAS of groundnut, it will affect the pod formation adversely On sunny day spray triazophose@2ml/lit water in young seedlings.
Finger millet	Sowing		<ul style="list-style-type: none"> Sowing of short duration finger millet varieties like VL-324 & VR-708 can be carried out without delay. If already sown, maintain proper drainage
VEGETABLES			
Pre-summer vegetables	Seedling/vegetative		<ul style="list-style-type: none"> Re-sowing of okra recommended if previous crop damaged by rainfall Provision of drainage to remove excess water followed by earthing up in vegetables. In cucurbitaceous crops like bottle gourd, cucumber, ridge gourd etc, earthing up to be done followed by manuring; and stacking should be followed and trained on a bower system made of bamboo + sticks. Seed treatment: Before sowing treat seed with trichoderma viridi1% WP @ 10g/kg seed.
HORTICULTURAL CROPS			
Pineapple	Immature		<ul style="list-style-type: none"> Earthing-up and removal of excess suckers for better plant establishment and anchorage.
Citrus	Marble/ Seedling	Citrus Canker	<ul style="list-style-type: none"> Avoid water stagnation near the tree trunk Remove water shoots and any other shoots below the budded area. To check fruit drop, spray with 1.5g 2,4-D or Gibberelic Acid (GA) with 100 gms Carbendazim and 1 kg Urea mixed in 100 liters of water Prune all canker affected branches and leaves and burn them. Spray copper oxychloride (180 gms) with Streptocycline (6 gms) per 60 liters water.
Banana	Immature		<ul style="list-style-type: none"> Planting of banana making pit maintaining at a spacing of 2.5 X 2.5 meter plant to plant and row to row distance. Denavelling (removal of male bud) to improve bunch weight Bagging of bunches to protect against unusual rainfall.
Orchards			<ul style="list-style-type: none"> Prepare half moon terraces in fruit crops (orange/banana/apple/peach) grown in steep slopes to prevent nutrient loss during heavy downpour. Follow proper drainage and earthing up practices in low land/plain areas to avoid water stagnation in fruit orchards

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
Fishery	Fingerlings		<ul style="list-style-type: none"> Broadcasting of Mustard Oil Cake (MOC) @ 5kg/pond twice daily advocated for healthy fingerlings
Pigs	All stages	FMD (high fever and appearance of mucous membrane of the mouth and foot.)	<ul style="list-style-type: none"> Keep the houses dry and clean. 1st injection at 6 months of age and 2nd injection at 12 months of age followed by annual vaccination under vet supervision against FMD Reduce concentrate diet up to 5% Provide adequate potable water
Poultry	All stages		<ul style="list-style-type: none"> Proper ventilation of shed Provide vitamin complex and glucose in water Follow ‘All in All out’ system of rearing and do not rear birds of different age groups together. Avoid overcrowding. Provide broad-spectrum antihelminthic drugs under vet supervision and recommended doses. 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
Cattle	All stages	FMD	<ul style="list-style-type: none"> Provide UMB/Molases if possible in the feed Provide 10-30 ml of vitamin B-Complex in feed 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			

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

Agrometeorological Field Unit

ICAR, BASAR

कृषि मौसम सलाहकार सेवा पत्रिका Agro-met Advisory Bulletin

(Period: 12th to 14th July 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: 55/2017/Tue

Dated: 11th July, 2017



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

Weather summery of the previous week	Weather forecast valid up to 16 th July 2017
Basar: Rainfall = 223.2 mm. T. Max: 26.0°C, T. Min: 21.0°C, RH: 88-92%, Wind Speed: 3-4 kmph, Wind Direction: WSW	Partly cloudy with possibility of light/moderate rainfall. Daily maximum and minimum temperature for the following period is predicted to be 30-35°C and 22-24°C respectively. Expected morning and evening relative humidity will be 88-94% and 50-77% respectively. Wind direction mainly SE with speed range of 2-3 kmph.
Warning:	• Not available.

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			
Jhum field	Tillering	True Armyworm (Heavy infestation all over the state)	<ul style="list-style-type: none"> Spray Dichlorvos 76 EC@3ml/lit water along with sticker @ 1ml/lit water Keep poison baits (Rice bran 50kg + Jaggery 5kg + Monocrotophos 36 SL 625ml + required quantity of water) here and there in field.
Rice	Nursery/transplanting/Tillering stage		<ul style="list-style-type: none"> Before transplanting, follow seedling root-dip treatment in chlorpyriphos 20 EC@ 2ml/10 lit for 12 hrs. Need-based application of carbendazim@2gm/lit with sticker @2ml/lit to protect seedling from diseases Maintain periphery of nursery field weed free and clean to prevent disease and pest harboring in weeds. Maintain proper drainage for nursery plot of rice. Apply recommended dose of NPK in WRC at the time of transplanting or liquid formulation of bio-NPK @ 2-3 ml/lit water
Maize	Multiple stages		<ul style="list-style-type: none"> If bluish-green leaves are observed, apply SSP or DAP along with 2/3rd of Urea to rejuvenate the plant from phosphorus deficiency
Groundnut	Vegetative stage		<ul style="list-style-type: none"> Do not disturb the soil after 40-45 DAS of groundnut, it will affect the pod formation adversely On sunny day spray triazophose@2ml/lit water in young seedlings.
Finger millet	Sowing		<ul style="list-style-type: none"> Sowing of short duration finger millet varieties like VL-324 & VR-708 can be carried out without delay. If already sown, maintain proper drainage
VEGETABLES			
Pre-summer vegetables	Seedling/vegetative	Aphids in Cucurbitaceous crops/ Brinjal Shoot & Fruit borer	<ul style="list-style-type: none"> If previous crop damaged by rainfall, re-sowing of Okra, blackgram and other vegetables recommended Provision of drainage to remove excess water followed by earthing up in vegetables. In cucurbitaceous crops like bottle gourd, cucumber, ridge gourd etc, earthing up to be done followed by manuring; and stacking should be followed and trained on a bower system made of bamboo + sticks. Dust ash powder in cucurbits Use pheromone traps/light traps against brinjal shoot and fruit borer.
HORTICULTURAL CROPS			
Citrus	Marble/ Seedling	Citrus Canker	<ul style="list-style-type: none"> Avoid water stagnation near the tree trunk Remove water shoots and any other shoots below the budded area. To check fruit drop, spray with 1.5g 2,4-D or Gibberelic Acid (GA) with 100 gms Carbendazim and 1 kg Urea mixed in 100 liters of water Prune all canker affected branches and leaves and burn them. Spray copper oxychloride (180 gms) with Streptocycline (6 gms) per 60 liters water.
Large Cardamom	Sowing/germination		<ul style="list-style-type: none"> If damaged by heavy rainfall, re-sowing is recommended at earliest The duration of primary nursery being 3-4 months. Provide adequate drainage
Ginger/Turmeric	Seedling		<ul style="list-style-type: none"> Proper drainage to be done and avoid water stagnation Earthing up of ginger/turmeric along with basal application of required fertilizer should be done
Banana	Immature		<ul style="list-style-type: none"> Planting of banana making pit maintaining at a spacing of 2.5 X 2.5 meter plant to plant and row to row distance. Denavelling (removal of male bud) to improve bunch weight Bagging of bunches to protect against unusual rainfall.

Orchards			<ul style="list-style-type: none"> • Prepare half moon terraces in fruit crops (orange/banana/apple/peach) grown in steep slopes to prevent nutrient loss during heavy downpour. • Follow proper drainage and earthing up practices in low land/plain areas to avoid water stagnation in fruit orchards
Honey Bees			
Honey bees			<ul style="list-style-type: none"> • Box must be covered with straw/dry leaves to provide warmth • Provide sugar syrup
LIVESTOCKS			
Livestock	Stage	Disease	Precautionary Practices to be followed
Fishery	Fingerlings		<ul style="list-style-type: none"> • Broadcasting of Mustard Oil Cake (MOC) @ 5kg/pond twice daily advocated for healthy fingerlings
Pigs	All stages	FMD (high fever and appearance of mucous membrane of the mouth and foot.)	<ul style="list-style-type: none"> • Keep the houses dry and clean. • 1st injection at 6 months of age and 2nd injection at 12 months of age followed by annual vaccination under vet supervision against FMD • Reduce concentrate diet up to 5% • Provide adequate potable water
Poultry	All stages		<ul style="list-style-type: none"> • Proper ventilation of shed • Provide vitamin complex and glucose in water • Follow ‘All in All out’ system of rearing and do not rear birds of different age groups together. • Avoid overcrowding. • Provide broad-spectrum antihelminthic drugs under vet supervision and recommended doses. • 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 adapted fowl pox vaccine and 56-70 days: RD R-2B strain. • Remove wet litter
Cattle	All stages	FMD	<ul style="list-style-type: none"> • Provide UMB/Molases if possible in the feed • Provide 10-30 ml of vitamin B-Complex in feed • 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			