

कृषि मौसम सलाहकार सेवा पत्रिका

Agro-met Advisory Bulletin

(Period: 26th to 28th 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: 59/2017/Tue

Dated: 25th July, 2017



Weather summary of the previous week	Weather forecast valid up to 30 th July 2017
Rainfall = 6.5 mm	Variable sky with possibility of moderate rainfall. Daily maximum and minimum temperature for the following period is predicted to be 26-27°C and 22-23°C respectively. Expected morning and evening relative humidity will be 75-83% and 40-57% respectively. Wind direction is mainly ENE and E with speed range of 4-5 kmph.
Warning:	<ul style="list-style-type: none">Heavy rainfall is very likely in isolated places

Weather Based Agro-meteorological Advisories Bulletin

General Recommendations

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

Crop	Stage	Pest/Disease	Precautionary Practices to be followed
FIELD CROPS			
Maize	Fruiting	Grasshopper	<ul style="list-style-type: none"> Grasshopper infestation: Bund racking followed by incorporation of Carbofuron 3G
Pulses/Ground nut/Soybean	Vegetative stage	Epicauta Bettle	<ul style="list-style-type: none"> Complete earthing up before 45-50 days after sowing. Spray azadirachtin 0.15 EC@ 1 ml/lit against Epicauta settle in soybean Gap filling is recommended in the early sown crop Manual weeding in greengram/blackgram
<i>Jhum</i> field	Tillering	Grasshopper/Thrips and Stem borer/leaf folder Leaf blast	<ul style="list-style-type: none"> Grasshopper infestation: Bund racking followed by incorporation of Carbofuron 3G. On clear dry weather, spray Flubendiamide 3.5% and Hexaconazole 5% against blast and leaf folder Keep poison baits (Rice bran 50kg + Jaggery 5kg + Monocrotophos 36 SL 625ml + required quantity of water) here and there in field. Spray Triazophos 40 EC@4ml/lit water against thrips & stem borer.
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
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 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	Active vegetative		<ul style="list-style-type: none"> Remove excess suckers and spray NAA@100ppm to increase fruit size and improve quality.
Banana	Bunching & planting		<ul style="list-style-type: none"> Desuckering of banana to be done leaving one suckers per plant to maintain the health of mother plant. Remove the male flower in banana bunches to attain better finger/fruit size. Remove excess sucker from Banana in mother plant and

			<p>give support in banana bunches to protect falling due to heavy weight or storm.</p> <ul style="list-style-type: none"> • Sword suckers with stout base, tapering towards the top with narrow leaves should be selected for planting at 3m x 3m spacing.
Large Cardamom	Flowering stage	Chirkey Disease	<ul style="list-style-type: none"> • Remove diseased part & keep inflorescence clean. • Need based spray of broad spectrum fungicide like carbendazim @2g/lit water.
Orchards			<ul style="list-style-type: none"> • Prepare half moon terraces in fruit crops (orange/banana/apple/peach) grown in steep slopes to prevent nutrient loss during heavy downpour. • Follow proper drainage and earthing up practices in low land/plain areas to avoid water stagnation in fruit orchards
Honey Bees			
Honey bees			<ul style="list-style-type: none"> • Box must be covered with straw/dry leaves to provide warmth
LIVESTOCKS			
Livestock	Stage	Disease	Precautionary Practices to be followed
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

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(Period: 26th to 28th July 2017)

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



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

District: Lower Subansiri

No: 59/2017/Tue

Dated: 25th July, 2017



Weather summery of the previous week	Weather forecast valid up to 30 th July 2017
Rainfall = 0.0 mm (Ziro)	Mostly cloudy with possibility of light/moderate rainfall. Daily maximum and minimum temperature for the following period is predicted to be 27-28°C and 21-22°C respectively. Expected morning and evening relative humidity will be 82-94% and 51-81% respectively. Wind direction is mainly W with speed range of 3-6 kmph.
Warning:	<ul style="list-style-type: none">Heavy rainfall is very likely in isolated places

Weather Based Agro-meteorological Advisories Bulletin

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

Crop	Stage	Pest/Disease	Precautionary Practices to be followed
FIELD CROPS			
Maize	Fruiting	Grasshopper	<ul style="list-style-type: none">Grasshopper infestation: Bund racking followed by incorporation of Carbofuron 3G
Jhum field	Tillering	Grasshopper/ Thrips and Stem borer/ leaf folder Leaf blast	<ul style="list-style-type: none">Grasshopper infestation: Bund racking followed by incorporation of Carbofuron 3G.On clear dry weather, spray Flubendiamide 3.5% and Hexaconazole 5% against blast and leaf folderKeep poison baits (Rice bran 50kg + Jaggery 5kg + Monocrotophos 36 SL 625ml + required quantity of water) here and there in field.Spray Triazophos 40 EC@4ml/lit water against thrips & stem borer.
Pulses/Ground nut	Vegetative stage	Epicauta Bettle	<ul style="list-style-type: none">Complete earthing up before 45-50 days after sowing.Spray azadirachtin 0.15 EC@ 1 ml/lit against Epicauta settle in soybeanGap filling is recommended in the early sown cropManual weeding in greengram/blackgram
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 diseasesMaintain 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
VEGETABLES			
Tomato	Fruiting		<ul style="list-style-type: none">Removing sideshoots is an important job which prevents the fruits being shaded by leaves.As temperatures rise, keep watering your plants, but avoid watering the leaves excessively that may lead to disease infestation.
Summer Vegetables	Multiple stages		<ul style="list-style-type: none">Dust ash powder in cucurbitsUse pheromone traps/light traps against brinjal shoot and fruit borer.New nursery should be raised inside well covered structure with a raised bed to protect against continuous rain/shower.
Ginger/turmeric	Vegetative stage	Soft Rot	<ul style="list-style-type: none">Cultural practice like weeding/earthing up is recommended followed by basal dose of fertilizersFor management of soft rot in ginger: Need based drenching of Metalaxyl-8% + Mancozeb 64% WP @ 2.5 g per lit of water.
HORTICULTURAL CROPS			
Pineapple	Active vegetative		<ul style="list-style-type: none">Remove excess suckers and spray NAA@100ppm to increase fruit size and improve quality.
Banana	Bunching & planting		<ul style="list-style-type: none">Desuckering of banana to be done leaving one suckers per plant to maintain the health of mother plant.Remove the male flower in banana bunches to attain better finger/fruit size.Remove excess sucker from Banana in mother plant and give support in banana bunches to protect falling due to heavy weight or storm.Sword suckers with stout base, tapering towards the top with narrow leaves should be selected for planting at 3m x 3m spacing.

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
Large Cardamom	Flowering stage	Chirkey Disease	<ul style="list-style-type: none"> • Remove diseased part & keep inflorescence clean. • Need based spray of broad spectrum fungicide like carbendazim @2g/lit water.
Orchards			<ul style="list-style-type: none"> • Prepare half moon terraces in fruit crops (orange/banana/apple/peach) grown in steep slopes to prevent nutrient loss during heavy downpour. • Follow proper drainage and earthing up practices in low land/plain areas to avoid water stagnation in fruit orchards
Agroforestry			
Toko palm	Nursery		Filling of nursery polybags for raising of takopalm seedlings
Honey Bees			
Honey bees			<ul style="list-style-type: none"> • Box must be covered with straw/dry leaves to provide warmth
LIVESTOCKS			
Livestock	Stage	Disease	Precautionary Practices to be followed
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.
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

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



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

District: Papum Pare

No: 59/2017/Tue

Dated: 25th July, 2017



Weather summary of the previous week	Weather forecast valid up to 30 th July 2017
Rainfall: 48.9 mm; T. Max: 37.0°C; T. Min: 22.0°C; RH: 61-87%	Mostly cloudy with possibility of moderate rainfall on 29 th July. Daily maximum and minimum temperature for the following period is predicted to be 32-34°C and 24-25°C respectively. Expected morning and evening relative humidity will be 83-89% and 51-78% respectively. Expected wind direction is mainly SSE & S with speed range of 2-5 kmph.
Warning:	• Heavy rainfall is very likely in isolated places

Weather Based Agro-meteorological Advisories Bulletin

General Recommendations

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

Crop	Stage	Pest/Disease	Precautionary Practices to be followed
FIELD CROPS			
Jhum field	Tillering	Grasshopper/ Thrips and Stem borer/ leaf folder Leaf blast	<ul style="list-style-type: none">Grasshopper infestation: Bund racking followed by incorporation of Carbofuron 3G.On clear dry weather, spray Flubendiamide 3.5% and Hexaconazole 5% against blast and leaf folderKeep poison baits (Rice bran 50kg + Jaggery 5kg + Monocrotophos 36 SL 625ml + required quantity of water) here and there in field.Spray Triazophos 40 EC@4ml/lit water against thrips & stem borer.
Rice	Nursery/transpl anting/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 diseasesMaintain 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	Fruiting	Grasshopper	<ul style="list-style-type: none">Grasshopper infestation: Bund racking followed by incorporation of Carbofuron 3G
Pulses/Ground nut	Vegetative stage	Epicauta Bettle	<ul style="list-style-type: none">Complete earthing up before 45-50 days after sowing.Spray azadirachtin 0.15 EC@ 1 ml/lit against Epicauta settle in soybeanGap filling is recommended in the early sown cropManual weeding in greengram/blackgram
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			
Tomato	Fruiting		<ul style="list-style-type: none">Removing sideshoots is an important job which prevents the fruits being shaded by leaves.As temperatures rise, keep watering your plants, but avoid watering the leaves excessively that may lead to disease infestation.
Summer Vegetables	Multiple stages		<ul style="list-style-type: none">Dust ash powder in cucurbitsUse pheromone traps/light traps against brinjal shoot and fruit borer.New nursery should be raised inside well covered structure with a raised bed to protect against continuous rain/shower.
Ginger/turmeric	Vegetative stage	Soft Rot	<ul style="list-style-type: none">Cultural practice like weeding/earthing up is recommended followed by basal dose of fertilizersFor management of soft rot in ginger: Need based drencing of Metalaxyl-8% + Mancozeb 64% WP @ 2.5 g per lit of water.
HORTICULTURAL CROPS			
Pineapple	Active vegetative		<ul style="list-style-type: none">Remove excess suckers and spray NAA@100ppm to increase fruit size and improve quality.
Banana	Bunching & planting		<ul style="list-style-type: none">Desuckering of banana to be done leaving one suckers per plant to maintain the health of mother plant.Remove the male flower in banana bunches to attain better finger/fruit size.Remove excess sucker from Banana in mother plant and give support in banana bunches to protect falling due to heavy weight or storm.Sword suckers with stout base, tapering towards the top with narrow leaves should be selected for planting at 3m

			x 3m spacing.
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
Large Cardamom	Flowering stage	Chirkey Disease	<ul style="list-style-type: none">• Remove diseased part & keep inflorescence clean.• Need based spray of broad spectrum fungicide like carbendazim @2g/lit water.
Orchards			<ul style="list-style-type: none">• Prepare half moon terraces in fruit crops (orange/banana/apple/peach) grown in steep slopes to prevent nutrient loss during heavy downpour.• Follow proper drainage and earthing up practices in low land/plain areas to avoid water stagnation in fruit orchards
Honey Bees			
Honey bees			<ul style="list-style-type: none">• Box must be covered with straw/dry leaves to provide warmth
LIVESTOCKS			
Livestock	Stage	Disease	Precautionary Practices to be followed
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.

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Arunachal Pradesh Centre, Basar-791101

District: Tawang

No: 59/2017/Tue

Dated: 25th July, 2017



Weather summary of the previous week	Weather forecast valid up to 30 th July 2017
Rainfall = 12.0 mm	Mostly cloudy with possibility of light/moderate rainfall. Daily maximum and minimum temperature for the following period is predicted to be 22-23°C and 15-16°C respectively. Expected morning and evening relative humidity will be 88-92% and 65-76% respectively. Wind direction is mainly ESE with probable speed range of 4-6 kmph.
Warning:	<ul style="list-style-type: none">Heavy rainfall is very likely in isolated places

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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	Grasshopper/ Thrips and Stem borer/ leaf folder Leaf blast	<ul style="list-style-type: none"> Grasshopper infestation: Bund racking followed by incorporation of Carbofuron 3G. On clear dry weather, spray Flubendiamide 3.5% and Hexaconazole 5% against blast and leaf folder Keep poison baits (Rice bran 50kg + Jaggery 5kg + Monocrotophos 36 SL 625ml + required quantity of water) here and there in field. Spray Triazophos 40 EC@4ml/lit water against thrips & stem borer.
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
Maize	Fruiting	Grasshopper	<ul style="list-style-type: none"> Grasshopper infestation: Bund racking followed by incorporation of Carbofuron 3G
Pulses/Ground nut	Vegetative stage	Epicauta Bettle	<ul style="list-style-type: none"> Complete earthing up before 45-50 days after sowing. Spray azadirachtin 0.15 EC@ 1 ml/lit against Epicauta settle in soybean Gap filling is recommended in the early sown crop Manual weeding in greengram/blackgram
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			
Tomato	Fruiting		<ul style="list-style-type: none"> Removing sideshoots is an important job which prevents the fruits being shaded by leaves. As temperatures rise, keep watering your plants, but avoid watering the leaves excessively that may lead to disease infestation.
Summer Vegetables	Multiple stages		<ul style="list-style-type: none"> Dust ash powder in cucurbits Use pheromone traps/light traps against brinjal shoot and fruit borer. New nursery should be raised inside well covered structure with a raised bed to protect against continuous rain/shower.
Ginger/turmeric	Vegetative stage	Soft Rot	<ul style="list-style-type: none"> Cultural practice like weeding/earthing up is recommended followed by basal dose of fertilizers For management of soft rot in ginger: Need based drenching of Metalaxyl-8% + Mancozeb 64% WP @ 2.5 g per lit of water.
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	Flowering stage	Chirkey Disease	<ul style="list-style-type: none"> Remove diseased part & keep inflorescence clean. Need based spray of broad spectrum fungicide like carbendazim @2g/lit 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
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: 26th to 28th 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: 59/2017/Tue

Dated: 25th July, 2017



Weather summary of the previous week	Weather forecast valid up to 30 th July 2017
Rainfall = 14.2 mm	Variable sky with possibility of no rainfall. Daily maximum and minimum temperature for the following period is predicted to be 32-33°C and 24-25°C respectively. Expected morning and evening relative humidity will be 91-95% and 54-83% respectively. Wind direction is mainly SW with speed range of 2-4 kmph.
Warning:	<ul style="list-style-type: none">Heavy rainfall is very likely in isolated places

Weather Based Agro-meteorological Advisories Bulletin

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

Crop	Stage	Pest/Disease	Precautionary Practices to be followed
FIELD CROPS			
Maize	Fruiting	Grasshopper	<ul style="list-style-type: none"> Grasshopper infestation: Bund racking followed by incorporation of Carbofuron 3G
<i>Jhum</i> field	Tillering	Grasshopper/ Thrips and Stem borer/ leaf folder Leaf blast	<ul style="list-style-type: none"> Grasshopper infestation: Bund racking followed by incorporation of Carbofuron 3G. On clear dry weather, spray Flubendiamide 3.5% and Hexaconazole 5% against blast and leaf folder Keep poison baits (Rice bran 50kg + Jaggery 5kg + Monocrotophos 36 SL 625ml + required quantity of water) here and there in field. Spray Triazophos 40 EC@4ml/lit water against thrips & stem borer.
Pulses/Ground nut	Vegetative stage	Epicauta Bettle	<ul style="list-style-type: none"> Complete earthing up before 45-50 days after sowing. Spray azadirachtin 0.15 EC@ 1 ml/lit against Epicauta settle in soybean Gap filling is recommended in the early sown crop Manual weeding in greengram/blackgram
Rice	Nursery/transpl anting/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
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			
Tomato	Fruiting		<ul style="list-style-type: none"> Removing sideshoots is an important job which prevents the fruits being shaded by leaves. As temperatures rise, keep watering your plants, but avoid watering the leaves excessively that may lead to disease infestation.
Summer Vegetables	Multiple stages		<ul style="list-style-type: none"> Dust ash powder in cucurbits Use pheromone traps/light traps against brinjal shoot and fruit borer. New nursery should be raised inside well covered structure with a raised bed to protect against continuous rain/shower.
Ginger/turmeric	Vegetative stage	Soft Rot	<ul style="list-style-type: none"> Cultural practice like weeding/earthing up is recommended followed by basal dose of fertilizers For management of soft rot in ginger: Need based drenching of Metalaxyl-8% + Mancozeb 64% WP @ 2.5 g per lit of water.
HORTICULTURAL CROPS			
Large Cardamom	Flowering stage	Chirkey Disease	<ul style="list-style-type: none"> Remove diseased part & keep inflorescence clean. Need based spray of broad spectrum fungicide like carbendazim @2g/lit water.
Pineapple	Active vegetative		<ul style="list-style-type: none"> Remove excess suckers and spray NAA@100ppm to increase fruit size and improve quality.
Banana	Bunching & planting		<ul style="list-style-type: none"> Desuckering of banana to be done leaving one suckers per plant to maintain the health of mother plant.

			<ul style="list-style-type: none"> Remove the male flower in banana bunches to attain better finger/fruit size. Remove excess sucker from Banana in mother plant and give support in banana bunches to protect falling due to heavy weight or storm. Sword suckers with stout base, tapering towards the top with narrow leaves should be selected for planting at 3m x 3m spacing.
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.
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			
			<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

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**Agrometeorological Field Unit
ICAR, BASAR**

कृषि मौसम सलाहकार सेवा पत्रिका

Agro-met Advisory Bulletin

(Period: 26th to 28th 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: 59/2017/Tue

Dated: 25th July, 2017



Weather summary of the previous week	Weather forecast valid up to 30 th July 2017
Rainfall = 19.2 mm	Variable weather with possibility of moderate rainfall. Daily maximum and minimum temperature for the following period is predicted to be 25-27°C and 18-20°C respectively. Expected morning and evening relative humidity will be 78-85% and 45-62% respectively. Wind direction is mainly SE with speed range of 2-4 kmph.
Warning:	• Heavy rainfall is very likely in isolated places

Weather Based Agro-meteorological Advisories Bulletin

General Recommendations

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

Crop	Stage	Pest/Disease	Precautionary Practices to be followed
FIELD CROPS			
Jhum field	Tillering	Grasshopper/ Thrips and Stem borer/ leaf folder Leaf blast	<ul style="list-style-type: none">Grasshopper infestation: Bund racking followed by incorporation of Carbofuron 3G.On clear dry weather, spray Flubendiamide 3.5% and Hexaconazole 5% against blast and leaf folderKeep poison baits (Rice bran 50kg + Jaggery 5kg + Monocrotophos 36 SL 625ml + required quantity of water) here and there in field.Spray Triazophos 40 EC@4ml/lit water against thrips & stem borer.
Maize	Fruiting	Grasshopper	<ul style="list-style-type: none">Grasshopper infestation: Bund racking followed by incorporation of Carbofuron 3G
Pulses/Ground nut	Vegetative stage	Epicauta Bettle	<ul style="list-style-type: none">Complete earthing up before 45-50 days after sowing.Spray azadirachtin 0.15 EC@ 1 ml/lit against Epicauta settle in soybeanGap filling is recommended in the early sown cropManual weeding in greengram/blackgram
Rice	Nursery/transpl anting/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 diseasesMaintain 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
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			
Tomato	Fruiting		<ul style="list-style-type: none">Removing sideshoots is an important job which prevents the fruits being shaded by leaves.As temperatures rise, keep watering your plants, but avoid watering the leaves excessively that may lead to disease infestation.
Summer Vegetables	Multiple stages		<ul style="list-style-type: none">Dust ash powder in cucurbitsUse pheromone traps/light traps against brinjal shoot and fruit borer.New nursery should be raised inside well covered structure with a raised bed to protect against continuous rain/shower.
Ginger/turmeric	Vegetative stage	Soft Rot	<ul style="list-style-type: none">Cultural practice like weeding/earthing up is recommended followed by basal dose of fertilizersFor management of soft rot in ginger: Need based drenching of Metalaxyl-8% + Mancozeb 64% WP @ 2.5 g per lit of water.
HORTICULTURAL CROPS			
Pineapple	Active vegetative		<ul style="list-style-type: none">Remove excess suckers and spray NAA@100ppm to increase fruit size and improve quality.
Banana	Bunching & planting		<ul style="list-style-type: none">Desuckering of banana to be done leaving one suckers per plant to maintain the health of mother plant.Remove the male flower in banana bunches to attain better finger/fruit size.Remove excess sucker from Banana in mother plant and give support in banana bunches to protect falling due to heavy weight or storm.Sword suckers with stout base, tapering towards the top

			with narrow leaves should be selected for planting at 3m x 3m spacing.
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
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			

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कृषि मौसम सलाहकार सेवा पत्रिका

Agro-met Advisory Bulletin

(Period: 26th to 28th July 2017)

ग्रामीण कृषि मौसम सेवा



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

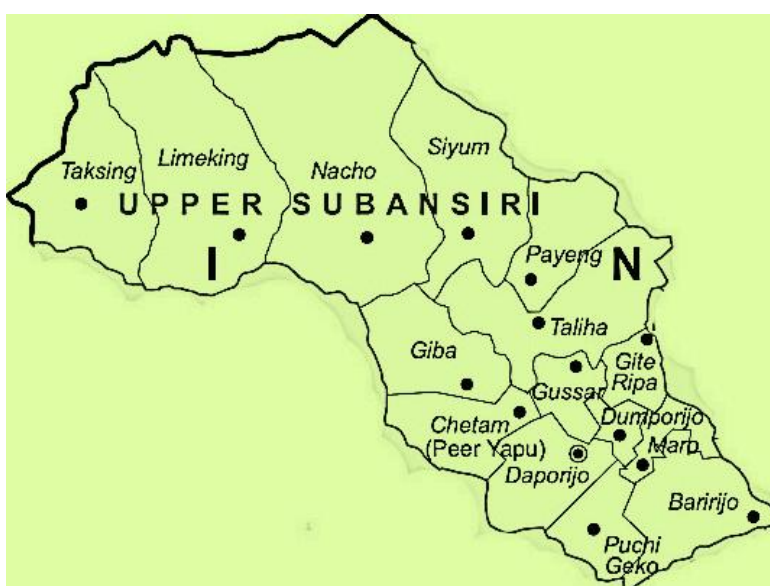


AMFU, ICAR Research Complex for NEH Region
Arunachal Pradesh Centre, Basar-791101

District: Upper Subansiri

No: 59/2017/Tue

Dated: 25th July, 2017



Weather summary of the previous week	Weather forecast valid up to 30 th July 2017
Daporijo: 28.2 mm	Mostly cloudy with possibility of light rainfall. Daily maximum and minimum temperature for the following period is predicted to be 25-26°C and 18-19°C respectively. Expected morning and evening relative humidity will be 91-95% and 54-83% respectively. Expected wind direction is mainly WNW & NW with speed range of 3-5 kmph.
Warning	<ul style="list-style-type: none">Heavy rainfall is very likely in isolated places

Weather Based Agro-meteorological Advisories Bulletin

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

Crop	Stage	Pest/Disease	Precautionary Practices to be followed
FIELD CROPS			
Maize	Fruiting	Grasshopper	<ul style="list-style-type: none"> Grasshopper infestation: Bund racking followed by incorporation of Carbofuron 3G
<i>Jhum</i> field	Tillering	Grasshopper/ Thrips and Stem borer/ leaf folder Leaf blast	<ul style="list-style-type: none"> Grasshopper infestation: Bund racking followed by incorporation of Carbofuron 3G. On clear dry weather, spray Flubendiamide 3.5% and Hexaconazole 5% against blast and leaf folder Keep poison baits (Rice bran 50kg + Jaggery 5kg + Monocrotophos 36 SL 625ml + required quantity of water) here and there in field. Spray Triazophos 40 EC@4ml/lit water against thrips & stem borer.
Pulses/Ground nut	Vegetative stage	Epicauta Bettle	<ul style="list-style-type: none"> Complete earthing up before 45-50 days after sowing. Spray azadirachtin 0.15 EC@ 1 ml/lit against Epicauta settle in soybean Gap filling is recommended in the early sown crop Manual weeding in greengram/blackgram
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
VEGETABLES			
Tomato	Fruiting		<ul style="list-style-type: none"> Removing sideshoots is an important job which prevents the fruits being shaded by leaves. As temperatures rise, keep watering your plants, but avoid watering the leaves excessively that may lead to disease infestation.
Summer Vegetables	Multiple stages		<ul style="list-style-type: none"> Dust ash powder in cucurbits Use pheromone traps/light traps against brinjal shoot and fruit borer. New nursery should be raised inside well covered structure with a raised bed to protect against continuous rain/shower.
Ginger/turmeric	Vegetative stage	Soft Rot	<ul style="list-style-type: none"> Cultural practice like weeding/earthing up is recommended followed by basal dose of fertilizers For management of soft rot in ginger: Need based drenching of Metalaxyl-8% + Mancozeb 64% WP @ 2.5 g per lit of water.
HORTICULTURAL CROPS			
Large Cardamom	Flowering stage	Chirkey Disease	<ul style="list-style-type: none"> Remove diseased part & keep inflorescence clean. Need based spray of broad spectrum fungicide like carbendazim @2g/lit water.
Pineapple	Active vegetative		<ul style="list-style-type: none"> Remove excess suckers and spray NAA@100ppm to increase fruit size and improve quality.
Banana	Bunching & planting		<ul style="list-style-type: none"> Desuckering of banana to be done leaving one suckers per plant to maintain the health of mother plant. Remove the male flower in banana bunches to attain better finger/fruit size. Remove excess sucker from Banana in mother plant and give support in banana bunches to protect falling due to heavy weight or storm. Sword suckers with stout base, tapering towards the top

			with narrow leaves should be selected for planting at 3m x 3m spacing.
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.
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 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			

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: 26th to 28th 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: 59/2017/Tue

Dated: 25th July, 2017



Weather summary of the previous week	Weather forecast valid up to 30 th July 2017
Rainfall = Bomdila: 0.0 mm; Bhalukpong: 8.2 mm	Mostly cloudy with possibility of light/moderate rainfall. Daily maximum and minimum temperature for the following period is predicted to be 21-22°C and 16-17°C respectively. Expected morning and evening relative humidity will be 83-93% and 58-79% respectively. Wind direction is mainly E with speed range of 3-5 kmph.
Warning:	Heavy rainfall is very likely in isolated places.

Weather Based Agro-meteorological Advisories Bulletin

General Recommendations

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

Crop	Stage	Pest/Disease	Precautionary Practices to be followed
FIELD CROPS			
Maize	Fruiting	Grasshopper	<ul style="list-style-type: none">Grasshopper infestation: Bund racking followed by incorporation of Carbofuron 3G
Pulses/Ground nut	Vegetative stage	Epicauta Bettle	<ul style="list-style-type: none">Complete earthing up before 45-50 days after sowing.Spray azadirachtin 0.15 EC@ 1 ml/lit against Epicauta settle in soybeanGap filling is recommended in the early sown cropManual weeding in greengram/blackgram
Jhum field	Tillering	Grasshopper/Thrips and Stem borer/leaf folder Leaf blast	<ul style="list-style-type: none">Grasshopper infestation: Bund racking followed by incorporation of Carbofuron 3G.On clear dry weather, spray Flubendiamide 3.5% and Hexaconazole 5% against blast and leaf folderKeep poison baits (Rice bran 50kg + Jaggery 5kg + Monocrotophos 36 SL 625ml + required quantity of water) here and there in field.Spray Triazophos 40 EC@4ml/lit water against thrips & stem borer.
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 diseasesMaintain 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
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			
Tomato	Fruiting		<ul style="list-style-type: none">Removing sideshoots is an important job which prevents the fruits being shaded by leaves.As temperatures rise, keep watering your plants, but avoid watering the leaves excessively that may lead to disease infestation.
Summer Vegetables	Multiple stages		<ul style="list-style-type: none">Dust ash powder in cucurbitsUse pheromone traps/light traps against brinjal shoot and fruit borer.New nursery should be raised inside well covered structure with a raised bed to protect against continuous rain/shower.
Ginger/turmeric	Vegetative stage	Soft Rot	<ul style="list-style-type: none">Cultural practice like weeding/earthing up is recommended followed by basal dose of fertilizersFor management of soft rot in ginger: Need based drenching of Metalaxyl-8% + Mancozeb 64% WP @ 2.5 g per lit of water.
HORTICULTURAL CROPS			
Pineapple	Active vegetative		<ul style="list-style-type: none">Remove excess suckers and spray NAA@100ppm to increase fruit size and improve quality.
Banana	Bunching & planting		<ul style="list-style-type: none">Desuckering of banana to be done leaving one suckers per plant to maintain the health of mother plant.Remove the male flower in banana bunches to attain better finger/fruit size.Remove excess sucker from Banana in mother plant and give support in banana bunches to protect falling due to heavy weight or storm.Sword suckers with stout base, tapering towards the top

			with narrow leaves should be selected for planting at 3m x 3m spacing.
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.
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			

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Agrometeorological Field Unit
ICAR, BASAR

कृषि मौसम सलाहकार सेवा पत्रिका Agro-met Advisory Bulletin

(Period: 26th to 28th 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: 59/2017/Tue

Dated: 25th July, 2017



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

Weather summary of the previous week	Weather forecast valid up to 30 th July 2017
Basar: Rainfall = 18.3 mm. T. Max: 30.1°C, T. Min: 21.2°C, RH: 65-91%, Wind Speed: 3-4 kmph, Wind Direction: WNW & WSW Aalo: 0.0 mm	Mostly/partly cloudy with possibility of moderate rainfall. Daily maximum and minimum temperature for the following period is predicted to be 28-30°C and 24-25°C respectively. Expected morning and evening relative humidity will be 91-95% and 49-80% respectively. Wind direction is mainly W & WNW with speed range of 2-4 kmph.
Warning:	<ul style="list-style-type: none">Heavy rainfall is very likely in isolated places

Weather Based Agro-meteorological Advisories Bulletin

General Recommendations

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

Crop	Stage	Pest/Disease	Precautionary Practices to be followed
FIELD CROPS			
Jhum field	Tillering	Grasshopper/ Thrips and Stem borer/ leaf folder Leaf blast	<ul style="list-style-type: none"> Grasshopper infestation: Bund racking followed by incorporation of Carbofuron 3G. On clear dry weather, spray Flubendiamide 3.5% and Hexaconazole 5% against blast and leaf folder Keep poison baits (Rice bran 50kg + Jaggery 5kg + Monocrotophos 36 SL 625ml + required quantity of water) here and there in field. Spray Triazophos 40 EC@4ml/lit water against thrips & stem borer.
Maize	Fruiting	Grasshopper	<ul style="list-style-type: none"> Grasshopper infestation: Bund racking followed by incorporation of Carbofuron 3G
Pulses/Ground nut	Vegetative stage	Epicauta Bettle	<ul style="list-style-type: none"> Complete earthing up before 45-50 days after sowing. Spray azadirachtin 0.15 EC@ 1 ml/lit against Epicauta settle in soybean Gap filling is recommended in the early sown crop Manual weeding in greengram/blackgram
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
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			
Tomato	Fruiting		<ul style="list-style-type: none"> Removing sideshoots is an important job which prevents the fruits being shaded by leaves. As temperatures rise, keep watering your plants, but avoid watering the leaves excessively that may lead to disease infestation.
Summer Vegetables	Multiple stages		<ul style="list-style-type: none"> Dust ash powder in cucurbits Use pheromone traps/light traps against brinjal shoot and fruit borer. New nursery should be raised inside well covered structure with a raised bed to protect against continuous rain/shower.
Ginger/turmeric	Vegetative stage	Soft Rot	<ul style="list-style-type: none"> Cultural practice like weeding/earthing up is recommended followed by basal dose of fertilizers For management of soft rot in ginger: Need based drenching of Metalaxyl-8% + Mancozeb 64% WP @ 2.5 g per lit of water.
HORTICULTURAL CROPS			
Pineapple	Active vegetative		<ul style="list-style-type: none"> Remove excess suckers and spray NAA@100ppm to increase fruit size and improve quality.
Banana	Bunching & planting		<ul style="list-style-type: none"> Desuckering of banana to be done leaving one suckers per plant to maintain the health of mother plant. Remove the male flower in banana bunches to attain better finger/fruit size. Remove excess sucker from Banana in mother plant and give support in banana bunches to protect falling due to heavy weight or storm. Sword suckers with stout base, tapering towards the top

			with narrow leaves should be selected for planting at 3m x 3m spacing.
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
Large Cardamom	Flowering stage	Chirkey Disease	<ul style="list-style-type: none"> • Remove diseased part & keep inflorescence clean. • Need based spray of broad spectrum fungicide like carbendazim @2g/lit water.
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 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.

			<ul style="list-style-type: none">• Pregnant animals above 7 months of pregnancy should be avoided.
Contact Scientists (ICAR) or State Agril Staff or KVK staff for measures against adverse conditions or call at 03795-226237/226247			

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Agro-met Advisory Bulletin

(Period: 26th to 28th 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: 59/2017/Tue

Dated: 25th July, 2017



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

Weather summary of the previous week	Weather forecast valid up to 30 th July 2017
No weather summary available	Variable sky with possibility of light/moderate rainfall. Daily maximum and minimum temperature for the following period is predicted to be 29-32°C and 23-25°C respectively. Expected morning and evening relative humidity will be 79-87% and 45-60% respectively. Wind direction is mainly E at a speed range of 3-5 kmph.
Warning:	• Heavy rainfall is very likely in isolated places

Weather Based Agro-meteorological Advisories Bulletin

General Recommendations

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

Crop	Stage	Pest/Disease	Precautionary Practices to be followed
FIELD CROPS			
Jhum field	Tillering	Grasshopper/ Thrips and Stem borer/ leaf folder Leaf blast	<ul style="list-style-type: none">Grasshopper infestation: Bund racking followed by incorporation of Carbofuron 3G.On clear dry weather, spray Flubendiamide 3.5% and Hexaconazole 5% against blast and leaf folderKeep poison baits (Rice bran 50kg + Jaggery 5kg + Monocrotophos 36 SL 625ml + required quantity of water) here and there in field.Spray Triazophos 40 EC@4ml/lit water against thrips & stem borer.
Pulses/Ground nut	Vegetative stage	Epicauta Bettle	<ul style="list-style-type: none">Complete earthing up before 45-50 days after sowing.Spray azadirachtin 0.15 EC@ 1 ml/lit against Epicauta settle in soybeanGap filling is recommended in the early sown cropManual weeding in greengram/blackgram
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 diseasesMaintain 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	Fruiting	Grasshopper	<ul style="list-style-type: none">Grasshopper infestation: Bund racking followed by incorporation of Carbofuron 3G
VEGETABLES			
Tomato	Fruiting		<ul style="list-style-type: none">Removing sideshoots is an important job which prevents the fruits being shaded by leaves.As temperatures rise, keep watering your plants, but avoid watering the leaves excessively that may lead to disease infestation.
Summer Vegetables	Multiple stages		<ul style="list-style-type: none">Dust ash powder in cucurbitsUse pheromone traps/light traps against brinjal shoot and fruit borer.New nursery should be raised inside well covered structure with a raised bed to protect against continuous rain/shower.
Ginger/turmeric	Vegetative stage	Soft Rot	<ul style="list-style-type: none">Cultural practice like weeding/earthing up is recommended followed by basal dose of fertilizersFor management of soft rot in ginger: Need based drenching of Metalaxyl-8% + Mancozeb 64% WP @ 2.5 g per lit of water.
HORTICULTURAL CROPS			
Pineapple	Fruiting		<ul style="list-style-type: none">Remove excess suckers and spray NAA@100ppm to increase fruit size and improve quality.
Banana	Bunching & planting		<ul style="list-style-type: none">Desuckering of banana to be done leaving one suckers per plant to maintain the health of mother plant.Remove the male flower in banana bunches to attain better finger/fruit size.Remove excess sucker from Banana in mother plant and give support in banana bunches to protect falling due to heavy weight or storm.Sword suckers with stout base, tapering towards the top with narrow leaves should be selected for planting at 3m x 3m spacing.

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	Flowering stage	Chirkey Disease	<ul style="list-style-type: none"> • Remove diseased part & keep inflorescence clean. • Need based spray of broad spectrum fungicide like carbendazim @2g/lit 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
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 from vaccination.
Contact Scientists (ICAR) or State Agril Staff or KVK staff for measures against adverse conditions or call at 03795-226237/226247			

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Agro-met Advisory Bulletin

(Period: 26th to 28th 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: 59/2017/Tue

Dated: 25th July, 2017



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

Weather summary of the previous week	Weather forecast valid up to 30 th July 2017
Rainfall = Changlang: 1.4 mm Miao: 79.0 mm	Mostly/partly cloudy with possibility of moderate rainfall. Daily maximum and minimum temperature for the following period is predicted to be 27-28°C and 21-22°C respectively. Expected morning and evening relative humidity will be 82-89% and 49-69% respectively. Wind direction is mainly SE with speed range of 2-3 kmph.
Warning	Heavy rainfall is very likely in isolated places

Weather Based Agro-meteorological Advisories Bulletin

General Recommendations

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

Crop	Stage	Pest/Disease	Precautionary Practices to be followed
FIELD CROPS			
Jhum field	Tillering	Grasshopper/ Thrips and Stem borer/ leaf folder Leaf blast	<ul style="list-style-type: none">Grasshopper infestation: Bund racking followed by incorporation of Carbofuron 3G.On clear dry weather, spray Flubendiamide 3.5% and Hexaconazole 5% against blast and leaf folderKeep poison baits (Rice bran 50kg + Jaggery 5kg + Monocrotophos 36 SL 625ml + required quantity of water) here and there in field.Spray Triazophos 40 EC@4ml/lit water against thrips & stem borer.
Maize	Fruiting	Grasshopper	<ul style="list-style-type: none">Grasshopper infestation: Bund racking followed by incorporation of Carbofuron 3G
Pulses/Ground nut	Vegetative stage	Epicauta Bettle	<ul style="list-style-type: none">Complete earthing up before 45-50 days after sowing.Spray azadirachtin 0.15 EC@ 1 ml/lit against Epicauta settle in soybeanGap filling is recommended in the early sown cropManual weeding in greengram/blackgram
Rice	Nursery/transpl anting/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 diseasesMaintain 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
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			
Tomato	Fruiting		<ul style="list-style-type: none">Removing sideshoots is an important job which prevents the fruits being shaded by leaves.As temperatures rise, keep watering your plants, but avoid watering the leaves excessively that may lead to disease infestation.
Summer Vegetables	Multiple stages		<ul style="list-style-type: none">Dust ash powder in cucurbitsUse pheromone traps/light traps against brinjal shoot and fruit borer.New nursery should be raised inside well covered structure with a raised bed to protect against continuous rain/shower.
Ginger/turmeric	Vegetative stage	Soft Rot	<ul style="list-style-type: none">Cultural practice like weeding/earthing up is recommended followed by basal dose of fertilizersFor management of soft rot in ginger: Need based drencing of Metalaxyl-8% + Mancozeb 64% WP @ 2.5 g per lit of water.
HORTICULTURAL CROPS			
Pineapple	Active vegetative		<ul style="list-style-type: none">Remove excess suckers and spray NAA@100ppm to increase fruit size and improve quality.
Banana	Bunching & planting		<ul style="list-style-type: none">Desuckering of banana to be done leaving one suckers per plant to maintain the health of mother plant.Remove the male flower in banana bunches to attain better finger/fruit size.Remove excess sucker from Banana in mother plant and give support in banana bunches to protect falling due to heavy weight or storm.Sword suckers with stout base, tapering towards the top

			with narrow leaves should be selected for planting at 3m x 3m spacing.
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	Flowering stage	Chirkey Disease	<ul style="list-style-type: none"> • Remove diseased part & keep inflorescence clean. • Need based spray of broad spectrum fungicide like carbendazim @2g/lit 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
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: 26th to 28th 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: 59/2017/Tue

Dated: 25th July, 2017



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

Weather summery of the previous week	Weather forecast valid up to 30 th July 2017
Rainfall = 12.0 mm (Anini)	Variable weather with possibility of moderate rainfall. Daily maximum and minimum temperature for the following period is predicted to be 24-25°C and 20-22°C respectively. Expected morning and evening relative humidity will be 83-90% and 41-62% respectively. Wind direction is mainly ENE with speed range of 5-6 kmph.
Warning:	• Heavy rainfall is very likely in isolated places

Weather Based Agro-meteorological Advisories Bulletin

General recommendations

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

Crop	Stage	Pest/Disease	Precautionary Practices to be followed
FIELD CROPS			
Jhum field	Tillering	Grasshopper/ Thrips and Stem borer/ leaf folder Leaf blast	<ul style="list-style-type: none"> Grasshopper infestation: Bund racking followed by incorporation of Carbofuron 3G. On clear dry weather, spray Flubendiamide 3.5% and Hexaconazole 5% against blast and leaf folder Keep poison baits (Rice bran 50kg + Jaggery 5kg + Monocrotophos 36 SL 625ml + required quantity of water) here and there in field. Spray Triazophos 40 EC@4ml/lit water against thrips & stem borer.
Pulses/Ground nut	Vegetative stage	Epicauta Bettle	<ul style="list-style-type: none"> Complete earthing up before 45-50 days after sowing. Spray azadirachtin 0.15 EC@ 1 ml/lit against Epicauta settle in soybean Gap filling is recommended in the early sown crop Manual weeding in greengram/blackgram
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
VEGETABLES			
Tomato	Fruiting		<ul style="list-style-type: none"> Removing sideshoots is an important job which prevents the fruits being shaded by leaves. As temperatures rise, keep watering your plants, but avoid watering the leaves excessively that may lead to disease infestation.
Summer Vegetables	Multiple stages		<ul style="list-style-type: none"> Dust ash powder in cucurbits Use pheromone traps/light traps against brinjal shoot and fruit borer. New nursery should be raised inside well covered structure with a raised bed to protect against continuous rain/shower.
Ginger/turmeric	Vegetative stage	Soft Rot	<ul style="list-style-type: none"> Cultural practice like weeding/earthing up is recommended followed by basal dose of fertilizers For management of soft rot in ginger: Need based drenching of Metalaxyl-8% + Mancozeb 64% WP @ 2.5 g per lit of water.
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	Active vegetative		<ul style="list-style-type: none"> Remove excess suckers and spray NAA@100ppm to increase fruit size and improve quality.
Banana	Bunching & planting		<ul style="list-style-type: none"> Desuckering of banana to be done leaving one suckers per plant to maintain the health of mother plant.

			<ul style="list-style-type: none"> Remove the male flower in banana bunches to attain better finger/fruit size. Remove excess sucker from Banana in mother plant and give support in banana bunches to protect falling due to heavy weight or storm. Sword suckers with stout base, tapering towards the top with narrow leaves should be selected for planting at 3m x 3m spacing.
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			

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Agrometeorological Field Unit

ICAR, BASAR

कृषि मौसम सलाहकार सेवा पत्रिका

Agro-met Advisory Bulletin

(Period: 26th to 28th 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: 59/2017/Tue

Dated: 25th July, 2017



Weather summary of the previous week	Weather forecast valid up to 30 th July 2017
Rainfall = 18.6 mm	Mostly cloudy with possibility of light/moderate rainfall. Daily maximum and minimum temperature for the following period is predicted to be 21-23°C and 16-17°C respectively. Expected morning and evening relative humidity will be 81-94% and 53-81% respectively. Expected wind direction is mainly SE with speed range of 3-4 kmph.
Warning:	<ul style="list-style-type: none"> Heavy rainfall is very likely in isolated places

Weather Based Agro-meteorological Advisories Bulletin

General Recommendations

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

Crop	Stage	Pest/Disease	Precautionary Practices to be followed
FIELD CROPS			
Jhum field	Tillering	Grasshopper/ Thrips and Stem borer/ leaf folder Leaf blast	<ul style="list-style-type: none"> Grasshopper infestation: Bund racking followed by incorporation of Carbofuron 3G. On clear dry weather, spray Flubendiamide 3.5% and Hexaconazole 5% against blast and leaf folder Keep poison baits (Rice bran 50kg + Jaggery 5kg + Monocrotophos 36 SL 625ml + required quantity of water) here and there in field. Spray Triazophos 40 EC@4ml/lit water against thrips & stem borer.
Maize	Fruiting	Grasshopper	<ul style="list-style-type: none"> Grasshopper infestation: Bund racking followed by incorporation of Carbofuron 3G
Pulses/Ground nut	Vegetative stage	Epicauta Bettle	<ul style="list-style-type: none"> Complete earthing up before 45-50 days after sowing. Spray azadirachtin 0.15 EC@ 1 ml/lit against Epicauta settle in soybean Gap filling is recommended in the early sown crop Manual weeding in greengram/blackgram
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
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	Flowering stage	Chirkey Disease	<ul style="list-style-type: none"> Remove diseased part & keep inflorescence clean. Need based spray of broad spectrum fungicide like carbendazim @2g/lit water.
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	Active vegetative		<ul style="list-style-type: none"> Remove excess suckers and spray NAA@100ppm to increase fruit size and improve quality.
Banana	Bunching & planting		<ul style="list-style-type: none"> Desuckering of banana to be done leaving one suckers per plant to maintain the health of mother plant. Remove the male flower in banana bunches to attain

			<p>better finger/fruit size.</p> <ul style="list-style-type: none"> Remove excess sucker from Banana in mother plant and give support in banana bunches to protect falling due to heavy weight or storm. Sword suckers with stout base, tapering towards the top with narrow leaves should be selected for planting at 3m x 3m spacing.
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
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			

Agrometeorological Field Unit
ICAR, BASAR

कृषि मौसम सलाहकार सेवा पत्रिका

Agro-met Advisory Bulletin

(Period: 26th to 28th 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: 59/2017/Tue

Dated: 25th July, 2017



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

Weather summary of the previous week	Weather forecast valid up to 30 th July 2017
Rainfall: 62.4 mm; T. Max: 37.0°C; T. Min: 23.0°C; RH: 69-97%	Variable weather with possibility of moderate rainfall. Daily maximum and minimum temperature for the following period is predicted to be 32-34°C and 24-25°C respectively. Expected morning and evening relative humidity will be 88-92% and 44-74% respectively. Expected wind direction is W with speed range of 2-4 kmph.
Warning:	<ul style="list-style-type: none">Heavy rainfall is very likely in isolated places

Weather Based Agro-meteorological Advisories Bulletin

General Recommendations

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

Crop	Stage	Pest/Disease	Precautionary Practices to be followed
FIELD CROPS			
Maize	Fruiting	Grasshopper	<ul style="list-style-type: none"> Grasshopper infestation: Bund racking followed by incorporation of Carbofuron 3G
<i>Jhum</i> field	Tillering	Grasshopper/ Thrips and Stem borer/ leaf folder Leaf blast	<ul style="list-style-type: none"> Grasshopper infestation: Bund racking followed by incorporation of Carbofuron 3G. On clear dry weather, spray Flubendiamide 3.5% and Hexaconazole 5% against blast and leaf folder Keep poison baits (Rice bran 50kg + Jaggery 5kg + Monocrotophos 36 SL 625ml + required quantity of water) here and there in field. Spray Triazophos 40 EC@4ml/lit water against thrips & stem borer.
Pulses/Ground nut	Vegetative stage	Epicauta Bettle	<ul style="list-style-type: none"> Complete earthing up before 45-50 days after sowing. Spray azadirachtin 0.15 EC@ 1 ml/lit against Epicauta settle in soybean Gap filling is recommended in the early sown crop Manual weeding in greengram/blackgram
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
VEGETABLES			
Tomato	Fruiting		<ul style="list-style-type: none"> Removing sideshoots is an important job which prevents the fruits being shaded by leaves. As temperatures rise, keep watering your plants, but avoid watering the leaves excessively that may lead to disease infestation.
Summer Vegetables	Multiple stages		<ul style="list-style-type: none"> Dust ash powder in cucurbits Use pheromone traps/light traps against brinjal shoot and fruit borer. New nursery should be raised inside well covered structure with a raised bed to protect against continuous rain/shower.
Ginger/turmeric	Vegetative stage	Soft Rot	<ul style="list-style-type: none"> Cultural practice like weeding/earthing up is recommended followed by basal dose of fertilizers For management of soft rot in ginger: Need based drenching of Metalaxyl-8% + Mancozeb 64% WP @ 2.5 g per lit of water.
HORTICULTURAL CROPS			
Pineapple	Active vegetative		<ul style="list-style-type: none"> Remove excess suckers and spray NAA@100ppm to increase fruit size and improve quality.
Banana	Bunching & planting		<ul style="list-style-type: none"> Desuckering of banana to be done leaving one suckers per plant to maintain the health of mother plant. Remove the male flower in banana bunches to attain better finger/fruit size. Remove excess sucker from Banana in mother plant and give support in banana bunches to protect falling due to heavy weight or storm. Sword suckers with stout base, tapering towards the top with narrow leaves should be selected for planting at 3m x 3m spacing.

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	Flowering stage	Chirkey Disease	<ul style="list-style-type: none"> • Remove diseased part & keep inflorescence clean. • Need based spray of broad spectrum fungicide like carbendazim @2g/lit 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
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			

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कृषि मौसम सलाहकार सेवा पत्रिका

Agro-met Advisory Bulletin

(Period: 26th to 28th 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: 59/2017/Tue

Dated: 25th July, 2017



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

Weather summary of the previous week	Weather forecast valid up to 30 th July 2017
Past weather summary not available	Mostly/partly cloudy with possibility of light/moderate rainfall. Daily maximum and minimum temperature for the following period is predicted to be 27-29°C and 22-23°C respectively. Expected morning and evening relative humidity will be 81-92% and 54-75% respectively. Wind direction is mainly W with speed range of 4-6 kmph.
Warning	<ul style="list-style-type: none">Heavy rainfall is very likely in isolated places

Weather Based Agro-meteorological Advisories Bulletin

General Recommendations

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

Crop	Stage	Pest/Disease	Precautionary Practices to be followed
FIELD CROPS			
Maize	Fruiting	Grasshopper	<ul style="list-style-type: none"> Grasshopper infestation: Bund racking followed by incorporation of Carbofuron 3G
<i>Jhum</i> field	Tillering	Grasshopper/ Thrips and Stem borer/ leaf folder Leaf blast	<ul style="list-style-type: none"> Grasshopper infestation: Bund racking followed by incorporation of Carbofuron 3G. On clear dry weather, spray Flubendiamide 3.5% and Hexaconazole 5% against blast and leaf folder Keep poison baits (Rice bran 50kg + Jaggery 5kg + Monocrotophos 36 SL 625ml + required quantity of water) here and there in field. Spray Triazophos 40 EC@4ml/lit water against thrips & stem borer.
Pulses/Ground nut	Vegetative stage	Epicauta Bettle	<ul style="list-style-type: none"> Complete earthing up before 45-50 days after sowing. Spray azadirachtin 0.15 EC@ 1 ml/lit against Epicauta settle in soybean Gap filling is recommended in the early sown crop Manual weeding in greengram/blackgram
Rice	Nursery/transpl anting/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
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			
Tomato	Fruiting		<ul style="list-style-type: none"> Removing sideshoots is an important job which prevents the fruits being shaded by leaves. As temperatures rise, keep watering your plants, but avoid watering the leaves excessively that may lead to disease infestation.
Summer Vegetables	Multiple stages		<ul style="list-style-type: none"> Dust ash powder in cucurbits Use pheromone traps/light traps against brinjal shoot and fruit borer. New nursery should be raised inside well covered structure with a raised bed to protect against continuous rain/shower.
Ginger/turmeric	Vegetative stage	Soft Rot	<ul style="list-style-type: none"> Cultural practice like weeding/earthing up is recommended followed by basal dose of fertilizers For management of soft rot in ginger: Need based drenching of Metalaxyl-8% + Mancozeb 64% WP @ 2.5 g per lit of water.
HORTICULTURAL CROPS			
Large Cardamom	Flowering stage	Chirkey Disease	<ul style="list-style-type: none"> Remove diseased part & keep inflorescence clean. Need based spray of broad spectrum fungicide like carbendazim @2g/lit water.
Pineapple	Active vegetative		<ul style="list-style-type: none"> Remove excess suckers and spray NAA@100ppm to increase fruit size and improve quality.
Banana	Bunching & planting		<ul style="list-style-type: none"> Desuckering of banana to be done leaving one suckers per plant to maintain the health of mother plant. Remove the male flower in banana bunches to attain better finger/fruit size. Remove excess sucker from Banana in mother plant and

			<p>give support in banana bunches to protect falling due to heavy weight or storm.</p> <ul style="list-style-type: none"> Sword suckers with stout base, tapering towards the top with narrow leaves should be selected for planting at 3m x 3m spacing.
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 Carabendazim 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
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			

Agrometeorological Field Unit
ICAR, BASAR

कृषि मौसम सलाहकार सेवा पत्रिका

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

District: Lohit

No: 59/2017/Tue

Dated: 25th July, 2017



Weather summary of the previous week	Weather forecast valid up to 30 th July 2017
Rainfall = 95.4 mm	Partly cloudy with possibility of moderate rainfall. Daily maximum and minimum temperature for the following period is predicted to be 27-28°C and 20°C respectively. Expected morning and evening relative humidity will be 80-87% and 49-65% respectively. Wind direction is mainly E with speed range of 2-4 kmph.
Warning:	<ul style="list-style-type: none">Heavy rainfall is very likely in isolated places

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General Recommendations

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

Crop	Stage	Pest/Disease	Precautionary Practices to be followed
FIELD CROPS			
Jhum field	Tillering	Grasshopper/ Thrips and Stem borer/ leaf folder Leaf blast	<ul style="list-style-type: none">Grasshopper infestation: Bund racking followed by incorporation of Carbofuron 3G.On clear dry weather, spray Flubendiamide 3.5% and Hexaconazole 5% against blast and leaf folderKeep poison baits (Rice bran 50kg + Jaggery 5kg + Monocrotophos 36 SL 625ml + required quantity of water) here and there in field.Spray Triazophos 40 EC@4ml/lit water against thrips & stem borer.
Pulses/Ground nut	Vegetative stage	Epicauta Bettle	<ul style="list-style-type: none">Complete earthing up before 45-50 days after sowing.Spray azadirachtin 0.15 EC@ 1 ml/lit against Epicauta settle in soybeanGap filling is recommended in the early sown cropManual weeding in greengram/blackgram
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 diseasesMaintain 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
VEGETABLES			
Tomato	Fruiting		<ul style="list-style-type: none">Removing sideshoots is an important job which prevents the fruits being shaded by leaves.As temperatures rise, keep watering your plants, but avoid watering the leaves excessively that may lead to disease infestation.
Summer Vegetables	Multiple stages		<ul style="list-style-type: none">Dust ash powder in cucurbitsUse pheromone traps/light traps against brinjal shoot and fruit borer.New nursery should be raised inside well covered structure with a raised bed to protect against continuous rain/shower.
Ginger/turmeric	Vegetative stage	Soft Rot	<ul style="list-style-type: none">Cultural practice like weeding/earthing up is recommended followed by basal dose of fertilizersFor management of soft rot in ginger: Need based drenching of Metalaxyl-8% + Mancozeb 64% WP @ 2.5 g per lit of water.
HORTICULTURAL CROPS			
Pineapple	Active vegetative		<ul style="list-style-type: none">Remove excess suckers and spray NAA@100ppm to increase fruit size and improve quality.
Banana	Bunching & planting		<ul style="list-style-type: none">Desuckering of banana to be done leaving one suckers per plant to maintain the health of mother plant.Remove the male flower in banana bunches to attain better finger/fruit size.Remove excess sucker from Banana in mother plant and give support in banana bunches to protect falling due to heavy weight or storm.Sword suckers with stout base, tapering towards the top with narrow leaves should be selected for planting at 3m x 3m spacing.

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
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)

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