

कृषि मौसम सलाहकार सेवा पत्रिका

Agro-met Advisory Bulletin

(Period: 23rd to 25th August 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: 67/2017/Tue

Dated: 22nd August, 2017



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

Weather summary of the previous week	Weather forecast valid up to 27 th August 2017
No weather summary available	Partly/mostly cloudy with possibility of light/moderate rainfall. Daily maximum and minimum temperature for the following period is predicted to be 31-32°C and 21-22°C respectively. Expected morning and evening relative humidity will be 83-90% and 50-58% respectively. Wind direction is mainly E at a speed range of 3-5 kmph.
Warning:	•

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**

Precautionary Practices to be followed			
Crop	Stage	Pest/Disease	Precautionary Practices to be followed
FIELD CROPS			
Rice	Tillering stage	Gundhi bug/ leaf folder	<ul style="list-style-type: none">Hang dead frog in the field against gundhi bugMaintain periphery of nursery field weed free and clean to prevent disease and pest harboring in weeds.Rice: Spray Triazophos 40EC@4ml/lit water against leaf folder.
Groundnut	Pegging	Leaf Spot/tikka disease	<ul style="list-style-type: none">On sunny day, spray carbendazim/Mancozeb @ 1-2 ml/lit of waterDo not disturb the soil structure by spading/hoeing in the field.Hand weeding with care is recommended.
Pulses	Fruiting	Blister beetle	<ul style="list-style-type: none">Go for manual picking of Blister beetle without delay because the incidence of the pest during flowering stage cause huge lose in harvest
Jhum field	Anthesis/ Ripening	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.Keep poison baits (Rice bran 50kg + Jaggery 5kg + Monocrotophos 36 SL 625ml + required quantity of water) here and there in field.
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">Mulching with locally available materials like dry grass/paddy straw recommendedUse 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">Mulching with locally available materials like dry grass/paddy straw recommendedFor management of soft rot in ginger: Need based drenching of Metalaxyl-8% + Mancozeb 64% WP @ 2.5 g per lit of water.
HORTICULTURAL CROPS			
Kiwi	Vegetative		<ul style="list-style-type: none">Manuring with well decomposed FYM@15kg/plant followed by mulching with paddy straw.
Citrus	Fruit development stage	Citrus Canker Fruit sucking moth	<ul style="list-style-type: none">Avoid water stagnation near the tree trunk.Remove water shoots from the trees.Prune all canker affected branches and leaves and burn them. On clear/dry weather, spray copper oxychloride (180 gms) with Streptocycline (6 gms) per 60 liters water.Fruit sucking moth: Destroy all the fallen fruits by burying in the pit. Poison baiting with 20gm Malathion WP or 50 ml Diazinon mixed with 200gms gur and some orange juice in two litres of water placed in a tray.
Pineapple	Fruiting		<ul style="list-style-type: none">Mulching with locally available materials like dry grass/paddy straw recommended
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.
Large Cardamom	Flowering stage	Chirkey Disease (fungal inection) & Chirke and	<ul style="list-style-type: none">Mulching with locally available materials like dry grass/paddy straw recommendedRemove diseased part & keep inflorescence clean.

		Foorkey (virus infection)	<ul style="list-style-type: none"> • Need based spray of broad spectrum fungicide like carbendazim @2g/lit of water. • Uproot & burn virus infected plants / Spray Imidacloprid 17.8% SL @ 2ml/10 lit at 10-15 days interval.
LIVESTOCKS			
Livestock	Stage	Disease	Precautionary Practices to be followed
Fishery			<ul style="list-style-type: none"> • Application of quick lime is highly recommended in order to rectify water pH. • Application of fish feed (mustard oil cake) is essential for achieving higher yield
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			

कृषि मौसम सलाहकार सेवा पत्रिका

Agro-met Advisory Bulletin

(Period: 23rd to 25th August 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: 67/2017/Tue

Dated: 22nd August, 2017



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

Weather summary of the previous week	Weather forecast valid up to 27 th August 2017
Rainfall = Changlang: NA Miao: NA	Partly/mostly cloudy with possibility of moderate rainfall. Daily maximum and minimum temperature for the following period is predicted to be 31-32°C and 23-24°C respectively. Expected morning and evening relative humidity will be 84-93% and 51-71% respectively. Wind direction is mainly E & ESE with speed range of 2-4 kmph.
Warning	•

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			
<i>Jhum</i> field	Ripening/ harvesting	Grasshopper/ Thrips and Stem borer/ leaf folder Leaf blast	<ul style="list-style-type: none"> On clear/dry weather harvest the early sown crop Grasshopper infestation: Bund racking followed by incorporation of Carbofuron 3G. Keep poison baits (Rice bran 50kg + Jaggery 5kg + Monocrotophos 36 SL 625ml + required quantity of water) here and there in field.
Groundnut	Pegging	Leaf Spot/tikka disease	<ul style="list-style-type: none"> On sunny day, spray carbendazim/Mancozeb @ 1-2 ml/lit of water Do not disturb the soil structure by spading/hoeing in the field. Hand weeding with care is recommended.
Rice	Tillering stage	Gundhi bug/ leaf folder	<ul style="list-style-type: none"> Hang dead frog in the field against gundhi bug Maintain periphery of nursery field weed free and clean to prevent disease and pest harboring in weeds. Rice: Spray Triazophos 40EC@4ml/lit water against leaf folder.
Pulses	Flowering	Blister beetle	<ul style="list-style-type: none"> Go for manual picking of Blister beetle without delay because the incidence of the pest during flowering stage cause huge lose in harvest
VEGETABLES			
Tomato	Fruiting		<ul style="list-style-type: none"> Removing sideshoots is an important job which prevents the fruits being shaded by leaves. Provide shed to protect from excessive rainfall
Summer Vegetables	Multiple stages		<ul style="list-style-type: none"> Mulching with locally available materials like dry grass/paddy straw recommended 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"> Mulching with locally available materials like dry grass/paddy straw recommended Cultural practice like weeding/earthing up is recommended followed by basal dose of fertilizers For management of soft rot in ginger: Need based drencing of Metalaxyl-8% + Mancozeb 64% WP @ 2.5 g per lit of water.
HORTICULTURAL CROPS			
Citrus	Fruit development stage	Citrus Canker Fruit sucking moth	<ul style="list-style-type: none"> Avoid water stagnation near the tree trunk. Remove water shoots from the trees. Prune all canker affected branches and leaves and burn them. On clear/dry weather, spray copper oxychloride (180 gms) with Streptocycline (6 gms) per 60 liters water. Fruit sucking moth: Destroy all the fallen fruits by burying in the pit. Poison baiting with 20gm Malathion WP or 50 ml Diazinon mixed with 200gms gur and some orange juice in two litres of water placed in a tray.
Pineapple	Harvesting		<ul style="list-style-type: none"> Harvesting to be done by keeping an inch of fruit stalk to avoid entry of microorganisms which accelerates rotting.
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.
Large Cardamom	Flowering stage	Chirkey Disease (fungal inection) & Chirke and	<ul style="list-style-type: none"> Mulching with locally available materials like dry grass/paddy straw recommended Remove diseased part & keep inflorescence clean.

		Foorkey (virus infection)	<ul style="list-style-type: none"> Uproot & burn virus infected plants
Ginger/Turmeric	Seedling		<ul style="list-style-type: none"> Mulching with locally available materials like dry grass/paddy straw recommended
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			<ul style="list-style-type: none"> Application of quick lime is highly recommended in order to rectify water pH. Application of fish feed (mustard oil cake) is essential for achieving higher yield
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.
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: 23rd to 25th August 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: 67/2017/Tue

Dated: 22nd August, 2017



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

Weather summery of the previous week	Weather forecast valid up to 27 th August 2017
Rainfall = 2.0 mm (Anini)	Partly cloudy with possibility of light/moderate rainfall. Daily maximum and minimum temperature for the following period is predicted to be 22-23°C and 17-18°C respectively. Expected morning and evening relative humidity will be 86-92% and 42-49% respectively. Wind direction is mainly ENE with speed range of 5-8 kmph.
Warning:	•

Weather Based Agro-meteorological Advisories Bulletin

General recommendations

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

Crop	Stage	Pest/Disease	Precautionary Practices to be followed
FIELD CROPS			
Rice	Tillering stage	Gundhi bug/ leaf folder	<ul style="list-style-type: none">Hang dead frog in the field against gundhi bugMaintain periphery of nursery field weed free and clean to prevent disease and pest harboring in weeds.Rice: Spray Triazophos 40EC@4ml/lit water against leaf folder.
Jhum field	Anthesis/ Ripening	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.If infestation is high, on clear dry weather or using stickers, 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.
Pulses	Flowering	Blister beetle	<ul style="list-style-type: none">Go for manual picking of Blister beetle without delay because the incidence of the pest during flowering stage cause huge lose in harvest
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">Mulching with locally available materials like dry grass/paddy straw recommendedDust 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">Mulching with locally available materials like dry grass/paddy straw recommendedCultural 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			
Citrus	Fruit development stage	Citrus Canker Fruit sucking moth	<ul style="list-style-type: none">Avoid water stagnation near the tree trunk.Remove water shoots from the trees.Prune all canker affected branches and leaves and burn them. On clear/dry weather, spray copper oxychloride (180 gms) with Streptocycline (6 gms) per 60 liters water.Fruit sucking moth: Destroy all the fallen fruits by burying in the pit. Poison baiting with 20gm Malathion WP or 50 ml Diazinon mixed with 200gms gur and some orange juice in two litres of water placed in a tray.
Ginger/Turmeric	Seedling		<ul style="list-style-type: none">Mulching with locally available materials like dry grass/paddy straw recommendedProper drainage to be done and avoid water stagnationEarthing up of ginger/turmeric along with basal application of required fertilizer should be done
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.
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			<ul style="list-style-type: none"> Application of quick lime is highly recommended in order to rectify water pH. Application of fish feed (mustard oil cake) is essential for achieving higher yield
Mithun		FMD	<ul style="list-style-type: none"> Polyvalent FMD vaccine with serotype O, A and Asia at 6 months of age and repeat after that 6 months interval by sub-cutaneous route. Pregnant animals above 7 months of pregnancy should be avoided.
Contact Scientists (ICAR) or State Agril Staff or KVK staff for measures against adverse conditions or call at 03795-226237/226247			

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: 23rd to 25th August 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: 67/2017/Tue

Dated: 22nd August, 2017



Weather summary of the previous week	Weather forecast valid up to 27 th August 2017
Rainfall =0.0mm	Partly/mostly cloudy with possibility of light 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 84-93% and 50-64% respectively. Expected wind direction is mainly SE speed range of 3-5 kmph.
Warning:	•

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	Anthesis/ Ripening	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. If infestation is high, on clear dry weather or using stickers, 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.
Groundnut	Pegging	Leaf Spot/tikka disease	<ul style="list-style-type: none"> On sunny day, spray carbendazim/Mancozeb @ 1-2 ml/lit of water Do not disturb the soil structure by spading/hoeing in the field. Hand weeding with care is recommended.
Rice	Tillering stage	Gundhi bug/ leaf folder	<ul style="list-style-type: none"> Hang dead frog in the field against gundhi bug Maintain periphery of nursery field weed free and clean to prevent disease and pest harboring in weeds. Rice: Spray Triazophos 40EC@4ml/lit water against leaf folder.
Pulses	Flowering	Blister beetle	<ul style="list-style-type: none"> Go for manual picking of Blister beetle without delay because the incidence of the pest during flowering stage cause huge lose in harvest
VEGETABLES			
Summer vegetables	Seedling/ vegetative	Aphids in Cucurbitaceous crops/ Brinjal Shoot & Fruit borer	<ul style="list-style-type: none"> Mulching with locally available materials like dry grass/paddy straw recommended Provision of drainage to remove excess water followed by earthing up in vegetables. In cucurbitaceous crops like bottle gourd, cucumber, ridge gourd etc, earthing up to be done followed by manuring; and stacking should be followed and trained on a bower system made of bamboo + sticks. Use pheromone traps/light traps against brinjal shoot and fruit borer.
HORTICULTURAL CROPS			
Citrus	Fruit development stage	Citrus Canker Fruit sucking moth	<ul style="list-style-type: none"> Avoid water stagnation near the tree trunk. Remove water shoots from the trees. Prune all canker affected branches and leaves and burn them. On clear/dry weather, spray copper oxychloride (180 gms) with Streptocycline (6 gms) per 60 liters water. Fruit sucking moth: Destroy all the fallen fruits by burying in the pit. Poison baiting with 20gm Malathion WP or 50 ml Diazinon mixed with 200gms gur and some orange juice in two litres of water placed in a tray.
Large Cardamom	Flowering stage	Chirkey Disease (fungal inection) & Chirke and Foorkey (virus infection)	<ul style="list-style-type: none"> Mulching with locally available materials like dry grass/paddy straw recommended Remove diseased part & keep inflorescence clean. Uproot & burn virus infected plants
Pineapple	Active vegetative		<ul style="list-style-type: none"> Mulching with locally available materials like dry grass/paddy straw recommended Remove excess suckers to increase fruit size and improve quality.
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.
Ginger/Turmeric	Seedling		<ul style="list-style-type: none"> Mulching with locally available materials like dry grass/paddy

			straw recommended <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			<ul style="list-style-type: none"> • Application of quick lime is highly recommended in order to rectify water pH. • Application of fish feed (mustard oil cake) is essential for achieving higher yield
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: 23rd to 25th August 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: 67/2017/Tue

Dated: 22nd August, 2017



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

Weather summary of the previous week	Weather forecast valid up to 27 th August 2017
Rainfall: 74.8 mm; T. Max: 34.0°C; T. Min: 24.0°C ; RH: 74-100% (up to 18 th Aug)	Partly/Mostly cloudy with possibility of moderate rainfall. Daily maximum and minimum temperature for the following period is predicted to be 33-34°C and 24-25°C respectively. Expected morning and evening relative humidity will be 86-96% and 44-68% respectively. Expected wind direction mainly W with speed range of 2-4 kmph.
Warning:	•

Weather Based Agro-meteorological Advisories Bulletin

General Recommendations

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

Crop	Stage	Pest/Disease	Precautionary Practices to be followed
FIELD CROPS			
Jhum field	Ripening/ Harvesting	Grasshopper/ Thrips and Stem borer/ leaf folder Leaf blast	<ul style="list-style-type: none">On clear/dry day, harvesting can be done for early sown cropGrasshopper infestation: Bund racking followed by incorporation of Carbofuron 3G.Keep poison baits (Rice bran 50kg + Jaggery 5kg + Monocrotophos 36 SL 625ml + required quantity of water) here and there in field.
Rice	Tillering stage	Gundhi bug/ leaf folder	<ul style="list-style-type: none">Hang dead frog in the field against gundhi bugMaintain periphery of nursery field weed free and clean to prevent disease and pest harboring in weeds.Rice: Spray Triazophos 40EC@4ml/lit water against leaf folder.
Pulses	Flowering	Blister beetle	<ul style="list-style-type: none">Go for manual picking of Blister beetle without delay because the incidence of the pest during flowering stage cause huge lose in harvest
Groundnut	Pegging	Leaf Spot/tikka disease	<ul style="list-style-type: none">On sunny day, spray carbendazim/Mancozeb @ 1-2 ml/lit of waterDo not disturb the soil structure by spading/hoeing in the field.Hand weeding with care is recommended.
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">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 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			
Citrus	Fruit development stage	Citrus Canker Fruit sucking moth	<ul style="list-style-type: none">Avoid water stagnation near the tree trunk.Remove water shoots from the trees.Prune all canker affected branches and leaves and burn them. On clear/dry weather, spray copper oxychloride (180 gms) with Streptocycline (6 gms) per 60 liters water.Fruit sucking moth: Destroy all the fallen fruits by burying in the pit. Poison baiting with 20gm Malathion WP or 50 ml Diazinon mixed with 200gms gur and some orange juice in two litres of water placed in a tray.
Pineapple	Harvesting		<ul style="list-style-type: none">Harvesting to be done by keeping an inch of fruit stalk to avoid entry of microorganisms which accelerates rotting.
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.
Large Cardamom	Flowering stage	Chirkey Disease (fungal inection) & Chirke and Foorkey (virus infection)	<ul style="list-style-type: none">Mulching with locally available materials like dry grass/paddy straw recommendedRemove diseased part & keep inflorescence clean.Uproot & burn virus infected plants.

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
Fishery			<ul style="list-style-type: none"> • Application of quick lime is highly recommended in order to rectify water pH. • Application of fish feed (mustard oil cake) is essential for achieving higher yield
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: 23rd to 25th August 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: 67/2017/Tue

Dated: 22nd August, 2017



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

Weather summary of the previous week	Weather forecast valid up to 27 th August 2017
Past weather summary not available	Partly/mostly cloudy with possibility of light rainfall. Daily maximum and minimum temperature for the following period is predicted to be 26-27°C and 18-19°C respectively. Expected morning and evening relative humidity will be 88-92% and 46-62% respectively. Wind direction is mainly WSW & W with wind speed range of 3-6 kmph.
Warning	<ul style="list-style-type: none">Heavy rainfall in very likely in few isolated places

Weather Based Agro-meteorological Advisories Bulletin

General Recommendations

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

Crop	Stage	Pest/Disease	Precautionary Practices to be followed
FIELD CROPS			
Rice	Tillering stage	Gundhi bug/ leaf folder	<ul style="list-style-type: none"> Hang dead frog in the field against gundhi bug Maintain periphery of nursery field weed free and clean to prevent disease and pest harboring in weeds. Rice: Spray Triazophos 40EC@4ml/lit water against leaf folder.
Jhum field	Anthesis	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 or using sticker, 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.
VEGETABLES			
Tomato	Fruiting		<ul style="list-style-type: none"> Removing sideshoots is an important job which prevents the fruits being shaded by leaves. Provide covers to avoid exposure to excess rainfall
Summer Vegetables	Multiple stages		<ul style="list-style-type: none"> Mulching with locally available materials like dry grass/paddy straw recommended 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"> Mulching with locally available materials like dry grass/paddy straw recommended 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	Fruit development stage	Citrus Canker Fruit sucking moth	<ul style="list-style-type: none"> Avoid water stagnation near the tree trunk. Remove water shoots from the trees. Prune all canker affected branches and leaves and burn them. On clear/dry weather, spray copper oxychloride (180 gms) with Streptocycline (6 gms) per 60 liters water. Fruit sucking moth: Destroy all the fallen fruits by burying in the pit. Poison baiting with 20gm Malathion WP or 50 ml Diazinon mixed with 200gms gur and some orange juice in two litres of water placed in a tray.
Kiwi	Vegetative		<ul style="list-style-type: none"> Manuring with well decomposed FYM@15kg/plant followed by mulching with paddy straw to protect from heavy rainfall
Large Cardamom	Flowering stage	Chirkey Disease (fungal inection) & Chirke and Foorkey (virus infection)	<ul style="list-style-type: none"> Mulching with locally available materials like dry grass/paddy straw recommended Remove diseased part & keep inflorescence clean. Uproot & burn virus infected plants
Pineapple	Active vegetative		<ul style="list-style-type: none"> Remove excess suckers 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.
Ginger/Turmeric	Vegetative		<ul style="list-style-type: none"> Proper drainage to be done and avoid water stagnation Earthing up of ginger/turmeric along with basal application of required fertilizer should be done
Honey Bees			
			<ul style="list-style-type: none"> Box must be covered with straw/dry leaves to provide warmth
LIVESTOCKS			
Livestock	Stage	Disease	Precautionary Practices to be followed
Fishery			<ul style="list-style-type: none"> Application of quick lime is highly recommended in order to rectify water pH. Application of fish feed (mustard oil cake) is essential for achieving higher yield
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: 23rd to 25th August 2017)

ग्रामीण कृषि मौसम सेवा



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



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

District: Lohit

No: 67/2017/Tue

Dated: 22nd August, 2017



Weather summary of the previous week	Weather forecast valid up to 27 th August 2017
Rainfall = 7.2 mm (up to 18 th Aug)	Partly/mostly 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 84-92% and 53-65% respectively. Wind direction is mainly E with speed range of 3-4 kmph.
Warning:	•

Weather Based Agro-meteorological Advisories Bulletin

General Recommendations

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

Crop	Stage	Pest/Disease	Precautionary Practices to be followed
FIELD CROPS			
Jhum field	Anthesis/ Ripening	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 or using sticker, 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.
Rice	Tillering stage	Gundhi bug/ leaf folder	<ul style="list-style-type: none">Hang dead frog in the field against gundhi bugMaintain periphery of nursery field weed free and clean to prevent disease and pest harboring in weeds.Rice: Spray Triazophos 40EC@4ml/lit water against leaf folder.
Pulses	Flowering	Blister beetle	<ul style="list-style-type: none">Go for manual picking of Blister beetle without delay because the incidence of the pest during flowering stage cause huge lose in harvest
VEGETABLES			
Tomato	Fruiting		<ul style="list-style-type: none">Removing sideshoots is an important job which prevents the fruits being shaded by leaves.Provide shed to protect from excessive rainfall
Summer Vegetables	Multiple stages		<ul style="list-style-type: none">Mulching with locally available materials like dry grass/paddy straw recommendedDust 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.
HORTICULTURAL CROPS			
Citrus	Fruit development stage	Citrus Canker Fruit sucking moth	<ul style="list-style-type: none">Avoid water stagnation near the tree trunk.Remove water shoots from the trees.Prune all canker affected branches and leaves and burn them. On clear/dry weather, spray copper oxychloride (180 gms) with Streptocycline (6 gms) per 60 liters water.Fruit sucking moth: Destroy all the fallen fruits by burying in the pit. Poison baiting with 20gm Malathion WP or 50 ml Diazinon mixed with 200gms gur and some orange juice in two litres of water placed in a tray.
Pineapple	Harvesting		<ul style="list-style-type: none">Harvesting to be done by keeping an inch of fruit stalk to avoid entry of microorganisms which accelerates rotting.
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 excess sucker from Banana in mother plant and give support in banana bunches to protect falling due to heavy weight or storm.
Ginger/Turmeric	Active vegetative		<ul style="list-style-type: none">Mulching with locally available materials like dry grass/paddy straw recommended
Honey Bees			
Honey bees			<ul style="list-style-type: none">Provide sugar syrup near the boxAdd insulation and ventilation systems
LIVESTOCKS			
Livestock	Stage	Disease	Precautionary Practices to be followed
Fishery			<ul style="list-style-type: none">Application of quick lime is highly recommended in order to rectify water pH.Application of fish feed (mustard oil cake) is essential for achieving higher yield
Pigs	All stages	FMD (high fever and appearance	<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

		of mucous membrane of the mouth and foot.)	age followed by annual vaccination under vet supervision against FMD <ul style="list-style-type: none"> • 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.
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: 23rd to 25th August 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: 67/2017/Tue

Dated: 22nd August, 2017



Weather summary of the previous week	Weather forecast valid up to 27 th August 2017
Rainfall = 2.1 mm (Roing) (up to 18 th Aug)	Partly cloudy with possibility of moderate rainfall. Daily maximum and minimum temperature for the following period is predicted to be 24-25°C and 19-20°C respectively. Expected morning and evening relative humidity will be 78-90% and 42-54% respectively. Wind direction is mainly E & ENE with speed range of 3-6 kmph.
Warning:	•

Weather Based Agro-meteorological Advisories Bulletin

General Recommendations

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

Crop	Stage	Pest/Disease	Precautionary Practices to be followed
FIELD CROPS			
Rice	Tillering stage	Gundhi bug/ leaf folder	<ul style="list-style-type: none"> Hang dead frog in the field against gundhi bug Maintain periphery of nursery field weed free and clean to prevent disease and pest harboring in weeds. Rice: Spray Triazophos 40EC@4ml/lit water against leaf folder.
Groundnut	Pegging	Leaf Spot/tikka disease	<ul style="list-style-type: none"> On sunny day, spray carbendazim/Mancozeb @ 1-2 ml/lit of water Do not disturb the soil structure by spading/hoeing in the field. Hand weeding with care is recommended.
Pulses	Flowering	Blister beetle	<ul style="list-style-type: none"> Go for manual picking of Blister beetle without delay because the incidence of the pest during flowering stage cause huge lose in harvest
<i>Jhum</i> field	Ripening / Harvesting	Grasshopper/ Thrips and Stem borer/ leaf folder Leaf blast	<ul style="list-style-type: none"> Harvesting can be done on clear/dry weather Grasshopper infestation: Bund racking followed by incorporation of Carbofuron 3G. If infestation is high, on clear dry weather or using sticker, 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.
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. Use pheromone traps/light traps against brinjal shoot and fruit borer.
HORTICULTURAL CROPS			
Citrus	Fruit development stage	Citrus Canker Fruit sucking moth	<ul style="list-style-type: none"> Avoid water stagnation near the tree trunk. Remove water shoots from the trees. Prune all canker affected branches and leaves and burn them. On clear/dry weather, spray copper oxychloride (180 gms) with Streptocycline (6 gms) per 60 liters water. Fruit sucking moth: Destroy all the fallen fruits by burying in the pit. Poison baiting with 20gm Malathion WP or 50 ml Diazinon mixed with 200gms gur and some orange juice in two litres of water placed in a tray.
Pineapple	Harvesting		<ul style="list-style-type: none"> Harvesting to be done by keeping an inch of fruit stalk to avoid entry of microorganisms which accelerates rotting.
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.
Large Cardamom	Flowering stage	Chirkey Disease (fungal inection) & Chirke and Foorkey (virus infection)	<ul style="list-style-type: none"> Mulching with locally available materials like dry grass/paddy straw recommended Remove diseased part & keep inflorescence clean. Uproot & burn virus infected plants
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
Fishery			<ul style="list-style-type: none"> Application of quick lime is highly recommended in order to rectify water pH. Application of fish feed (mustard oil cake) is essential for achieving higher yield
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.
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: 23rd to 25th August 2017)

ग्रामीण कृषि मौसम सेवा

GRAMIN KRISHI MAUSAM SEWA

(Integrated Agro-Meteorological Advisory Services)



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

District: Lower Subansiri

No: 67/2017/Tue

Dated: 22nd August, 2017



Weather summery of the previous week	Weather forecast valid up to 27 th August 2017
Rainfall = NA	Partly/mostly cloudy with possibility of light rainfall. Daily maximum and minimum temperature for the following period is predicted to be 22-23°C and 16-17°C respectively. Expected morning and evening relative humidity will be 88-94% and 47-63% respectively. Wind direction is mainly WSW variable with speed range of 3-6 kmph.
Warning:	•

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			
Rice	Tillering stage	Gundhi bug/ leaf folder	<ul style="list-style-type: none"> Hang dead frog in the field against gundhi bug Maintain periphery of nursery field weed free and clean to prevent disease and pest harboring in weeds. Rice: Spray Triazophos 40EC@4ml/lit water against leaf folder.
Groundnut	Pegging	Leaf Spot/tikka disease	<ul style="list-style-type: none"> On sunny day, spray carbendazim/Mancozeb @ 1-2 ml/lit of water Do not disturb the soil structure by spading/hoeing in the field. Hand weeding with care is recommended.
Pulses	Flowering	Blister beetle	<ul style="list-style-type: none"> Application of fertilizers and spray operations to be delayed/avoided Go for manual picking of Blister beetle without delay because the incidence of the pest during flowering stage cause huge lose in harvest
Jhum field	Anthesis/ Ripening	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. If infestation is high, on clear dry weather or using stickers, 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. In infestation is high spray Triazophos 40 EC@4ml/lit water against thrips & stem borer using stickers.
VEGETABLES			
Tomato	Fruiting		<ul style="list-style-type: none"> Removing sideshoots is an important job which prevents the fruits being shaded by leaves. Provide shed to protect from excess rainfall
Summer Vegetables	Multiple stages		<ul style="list-style-type: none"> Mulching with locally available materials like dry grass/paddy straw recommended 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"> Mulching with locally available materials like dry grass/paddy straw recommended For management of soft rot in ginger: Need based drencing of Metalaxyl-8% + Mancozeb 64% WP @ 2.5 g per lit of water.
HORTICULTURAL CROPS			
Citrus	Fruit development stage	Citrus Canker Fruit sucking moth	<ul style="list-style-type: none"> Avoid water stagnation near the tree trunk. Remove water shoots from the trees. Prune all canker affected branches and leaves and burn them. On clear/dry weather, spray copper oxychloride (180 gms) with Streptocycline (6 gms) per 60 liters water. Fruit sucking moth: Destroy all the fallen fruits by burying in the pit. Poison baiting with 20gm Malathion WP or 50 ml Diazinon mixed with 200gms gur and some orange juice in two litres of water placed in a tray.
Kiwi	Vegetative		<ul style="list-style-type: none"> Manuring with well decomposed FYM@15kg/plant followed by mulching with paddy straw.
Pineapple	Fruiting/Harves ting		<ul style="list-style-type: none"> Harvesting to be done by keeping an inch of fruit stalk to avoid entry of microorganisms which accelerates rotting.
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.
Ginger/Turmeric	Seedling		<ul style="list-style-type: none"> Mulching with locally available materials like dry grass/paddy straw recommended Proper drainage to be done and avoid water stagnation
Large Cardamom	Flowering stage	Chirkey Disease (fungal inection) & Chirke and Foorkey (virus infection)	<ul style="list-style-type: none"> Mulching with locally available materials like dry grass/paddy straw recommended Remove diseased part & keep inflorescence clean. . Uproot & burn virus infected plants
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
Fishery			<ul style="list-style-type: none"> Application of quick lime is highly recommended in order to rectify water pH. Application of fish feed (mustard oil cake) is essential for achieving higher yield
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			

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: 23rd to 25th August 2017)

ग्रामीण कृषि मौसम सेवा

GRAMIN KRISHI MAUSAM SEWA

(Integrated Agro-Meteorological Advisory Services)



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

District: Papum Pare

No: 67/2017/Tue

Dated: 22nd August, 2017



Weather summary of the previous week	Weather forecast valid up to 27 th August 2017
Rainfall: 8.3 mm; T. Max: 36.0°C; T. Min: 24.0°C ; RH: 69-87% (up to 18 th Aug)	Partly/mostly cloudy with possibility of light rainfall. Daily maximum and minimum temperature for the following period is predicted to be 33-34°C and 24-25°C respectively. Expected morning and evening relative humidity will be 83-91% and 49-60% respectively. Expected wind direction is variable with speed range of 2-6 kmph.
Warning:	•

Weather Based Agro-meteorological Advisories Bulletin

General Recommendations

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

Crop	Stage	Pest/Disease	Precautionary Practices to be followed
FIELD CROPS			
Rice	Tillering stage	Gundhi bug	<ul style="list-style-type: none">Hang dead frog in the field against gundhi bugMaintain periphery of nursery field weed free and clean to prevent disease and pest harboring in weeds.
Pulses	Flowering	Blister beetle	<ul style="list-style-type: none">Go for manual picking of Blister beetle without delay because the incidence of the pest during flowering stage cause huge lose in harvest
Jhum field	Ripening/ Harvesting	Grasshopper/ Thrips and Stem borer/ leaf folder Leaf blast	<ul style="list-style-type: none">Harvesting can be done for early sown cropsGrasshopper infestation: Bund racking followed by incorporation of Carbofuron 3G.If infestation is high, on clear dry weather or using stickers, 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.
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.Provide shed to protect from excessive rainfall
Summer Vegetables	Multiple stages		<ul style="list-style-type: none">Mulching with locally available materials like dry grass/paddy straw recommendedUse 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">Mulching with locally available materials like dry grass/paddy straw recommendedCultural 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			
Citrus	Fruit development stage	Citrus Canker Fruit sucking moth	<ul style="list-style-type: none">Avoid water stagnation near the tree trunk.Remove water shoots from the trees.Prune all canker affected branches and leaves and burn them. On clear/dry weather, spray copper oxychloride (180 gms) with Streptocycline (6 gms) per 60 liters water.Fruit sucking moth: Destroy all the fallen fruits by burying in the pit. Poison baiting with 20gm Malathion WP or 50 ml Diazinon mixed with 200gms gur and some orange juice in two litres of water placed in a tray.
Pineapple	Fruiting/Harvesting		<ul style="list-style-type: none">Harvesting to be done by keeping an inch of fruit stalk to avoid entry of microorganisms which accelerates rotting.
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.
Ginger/Turmeric	Seedling		<ul style="list-style-type: none">Mulching with locally available materials like dry grass/paddy straw recommendedProper drainage to be done and avoid water stagnationEarthing up of ginger/turmeric along with basal application of required fertilizer should be done

Large Cardamom	Flowering stage	Chirkey Disease (fungal inection) & Chirke and Foorkey (virus infection)	<ul style="list-style-type: none"> Mulching with locally available materials like dry grass/paddy straw recommended Remove diseased part & keep inflorescence clean. Uproot & burn virus infected plants
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			<ul style="list-style-type: none"> Application of quick lime is highly recommended in order to rectify water pH. Application of fish feed (mustard oil cake) is essential for achieving higher yield
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: 23rd to 25th August 2017)

ग्रामीण कृषि मौसम सेवा



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



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

District: Tawang

No: 67/2017/Tue

Dated: 22nd August, 2017



Weather summary of the previous week	Weather forecast valid up to 27 th August 2017
Rainfall = 2.7 mm(up to 18 th Aug)	Partly/mostly cloudy with possibility of light rainfall. Daily maximum and minimum temperature for the following period is predicted to be 18-19°C and 13-14°C respectively. Expected morning and evening relative humidity will be 84-91% and 56-70% respectively. Wind direction is variable with probable speed range of 2-6 kmph.
Warning:	•

Weather Based Agro-meteorological Advisories Bulletin

General Recommendations

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

Crop	Stage	Pest/Disease	Precautionary Practices to be followed
FIELD CROPS			
Jhum field	Panicle initiation/ anthesis	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.If infestation is high, on clear dry weather or using stickers, 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.In infestation is high spray Triazophos 40 EC@4ml/lit water against thrips & stem borer using stickers.
Rice	Tillering stage		<ul style="list-style-type: none">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.
VEGETABLES			
Tomato	Fruiting		<ul style="list-style-type: none">Removing sideshoots is an important job which prevents the fruits being shaded by leaves.Provide shed to protect from excessive rainfall
Summer Vegetables	Multiple stages		<ul style="list-style-type: none">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 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			
Citrus	Fruit development stage	Citrus Canker Fruit sucking moth	<ul style="list-style-type: none">Avoid water stagnation near the tree trunk.Remove water shoots from the trees.Prune all canker affected branches and leaves and burn them. On clear/dry weather, spray copper oxychloride (180 gms) with Streptocycline (6 gms) per 60 liters water.Fruit sucking moth: Destroy all the fallen fruits by burying in the pit. Poison baiting with 20gm Malathion WP or 50 ml Diazinon mixed with 200gms gur and some orange juice in two litres of water placed in a tray.
Kiwi	Vegetative		<ul style="list-style-type: none">Manuring with well decomposed FYM@15kg/plant followed by mulching with paddy straw.
Large Cardamom	Flowering stage	Chirkey Disease (fungal inection) & Chirke and Foorkey (virus infection)	<ul style="list-style-type: none">Mulching with locally available materials like dry grass/paddy straw recommendedRemove diseased part & keep inflorescence clean.Uproot & burn virus infected plants
Ginger/Turmeric	Seedling		<ul style="list-style-type: none">Proper drainage to be done and avoid water stagnationEarthing 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 boxAdd insulation and ventilation systems
LIVESTOCKS			
Livestock	Stage	Disease	Precautionary Practices to be followed
Fishery			<ul style="list-style-type: none">Application of quick lime is highly recommended in order to

			rectify water pH. <ul style="list-style-type: none"> • Application of fish feed (mustard oil cake) is essential for achieving higher yield
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: 23rd to 25th August 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: 67/2017/Tue

Dated: 22nd August, 2017



Weather summary of the previous week	Weather forecast valid up to 27 th August 2017
Rainfall = 0.0mm (up to 18 th Aug)	Partly/mostly cloudy with possibility of light rainfall. Daily maximum and minimum temperature for the following period is predicted to be 33-34°C and 24-25°C respectively. Expected morning and evening relative humidity will be 91-96% and 55-73% respectively. Wind direction is mainly S with speed range of 2-4 kmph.
Warning:	•

Weather Based Agro-meteorological Advisories Bulletin

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

Crop	Stage	Pest/Disease	Precautionary Practices to be followed
FIELD CROPS			
Rice	Tillering stage	Gundhi bug/ leaf folder	<ul style="list-style-type: none"> Hang dead frog in the field against gundhi bug Maintain periphery of nursery field weed free and clean to prevent disease and pest harboring in weeds. Rice: Spray Triazophos 40EC@4ml/lit water against leaf folder.
Pulses	Flowering	Blister beetle	<ul style="list-style-type: none"> Go for manual picking of Blister beetle without delay because the incidence of the pest during flowering stage cause huge lose in harvest
Jhum field	Anthesis/ Ripening	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. If infestation is high, on clear dry weather or using stickers, 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. In infestation is high spray Triazophos 40 EC@4ml/lit water against thrips & stem borer using stickers.
VEGETABLES			
Tomato	Fruiting		<ul style="list-style-type: none"> Removing sideshoots is an important job which prevents the fruits being shaded by leaves. Provide shed to protect from excessive rainfall
Summer Vegetables	Multiple stages		<ul style="list-style-type: none"> Mulching with locally available materials like dry grass/paddy straw recommended 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"> Mulching with locally available materials like dry grass/paddy straw recommended Cultural practice like weeding/earthing up is recommended followed by basal dose of fertilizers For management of soft rot in ginger: Need based drencing of Metalaxyl-8% + Mancozeb 64% WP @ 2.5 g per lit of water.
HORTICULTURAL CROPS			
Citrus	Fruit development stage	Citrus Canker Fruit sucking moth	<ul style="list-style-type: none"> Avoid water stagnation near the tree trunk. Remove water shoots from the trees. Prune all canker affected branches and leaves and burn them. On clear/dry weather, spray copper oxychloride (180 gms) with Streptocycline (6 gms) per 60 liters water. Fruit sucking moth: Destroy all the fallen fruits by burying in the pit. Poison baiting with 20gm Malathion WP or 50 ml Diazinon mixed with 200gms gur and some orange juice in two litres of water placed in a tray.
Large Cardamom	Flowering stage	Chirkey Disease (fungal inection) & Chirke and Foorkey (virus infection)	<ul style="list-style-type: none"> Mulching with locally available materials like dry grass/paddy straw recommended Remove diseased part & keep inflorescence clean. Uproot & burn virus infected plants
Pineapple	Active vegetative		<ul style="list-style-type: none"> Mulching with locally available materials like dry grass/paddy straw recommended
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.
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			<ul style="list-style-type: none"> • Application of quick lime is highly recommended in order to rectify water pH. • Application of fish feed (mustard oil cake) is essential for achieving higher yield
Mithun		FMD	<ul style="list-style-type: none"> • Polyvalent FMD vaccine with serotype O, A and Asia at 6 months of age and repeat after that 6 months interval by sub-cutaneous route. • Pregnant animals above 7 months of pregnancy should be avoided.
Contact Scientists (ICAR) or State Agril Staff or KVK staff for measures against adverse conditions or call at 03795-226237/226247			

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: 23rd to 25th August 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: 67/2017/Tue

Dated: 22nd August, 2017



Weather summary of the previous week	Weather forecast valid up to 27 th August 2017
Rainfall = NA	Partly cloudy with possibility of moderate rainfall. Daily maximum and minimum temperature for the following period is predicted to be 21-22°C and 15-16°C respectively. Expected morning and evening relative humidity will be 79-88% and 41-54% respectively. Wind direction is mainly SSE & E with speed range of 2-5 kmph.
Warning:	•

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	Anthesis	Grasshopper/ Thrips and Stem borer/ leaf folder Leaf blast	<ul style="list-style-type: none">• Application of fertilizers and spray operations to be delayed/avoided• Grasshopper infestation: Bund racking followed by incorporation of Carbofuron 3G.• Keep poison baits (Rice bran 50kg + Jaggery 5kg + Monocrotophos 36 SL 625ml + required quantity of water) here and there in field.
Groundnut	Pegging	Leaf Spot/tikka disease	<ul style="list-style-type: none">• On sunny day, spray carbendazim/Mancozeb @ 1-2 ml/lit of water• Do not disturb the soil structure by spading/hoeing in the field.• Hand weeding with care is recommended.
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">• Gap filling is recommended in the early sown crop• Manual weeding in greengram/blackgram
Rice	Tillering stage		<ul style="list-style-type: none">• 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.
VEGETABLES			
Tomato	Fruiting		<ul style="list-style-type: none">• Removing sideshoots is an important job which prevents the fruits being shaded by leaves.• Provide shed with locally available materials to protect from excessive rainfall
Summer Vegetables	Multiple stages		<ul style="list-style-type: none">• Mulching with locally available materials like dry grass/paddy straw recommended• 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">• Mulching with locally available materials like dry grass/paddy straw recommended• 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	Fruit development stage	Citrus Canker Fruit sucking moth	<ul style="list-style-type: none">• Avoid water stagnation near the tree trunk.• Remove water shoots from the trees.• Prune all canker affected branches and leaves and burn them. On clear/dry weather, spray copper oxychloride (180 gms) with Streptocycline (6 gms) per 60 liters water.• Fruit sucking moth: Destroy all the fallen fruits by burying in the pit. Poison baiting with 20gm Malathion WP or 50 ml Diazinon mixed with 200gms gur and some orange juice in two litres of water placed in a tray.
Kiwi	Vegetative		<ul style="list-style-type: none">• Manuring with well decomposed FYM@15kg/plant followed by mulching with paddy straw.
Pineapple	Active vegetative		<ul style="list-style-type: none">• Mulching with locally available materials like dry grass/paddy straw recommended Remove excess suckers
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.

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			<ul style="list-style-type: none"> • Application of quick lime is highly recommended in order to rectify water pH. • Application of fish feed (mustard oil cake) is essential for achieving higher yield
Mithun		FMD	<ul style="list-style-type: none"> • Polyvalent FMD vaccine with serotype O, A and Asia at 6 months of age and repeat after that 6 months interval by sub-cutaneous route. • Pregnant animals above 7 months of pregnancy should be avoided.
Contact Scientists (ICAR) or State Agril Staff or KVK staff for measures against adverse conditions or call at 03795-226237/226247			

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: 23rd to 25th August 2017)

ग्रामीण कृषि मौसम सेवा



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

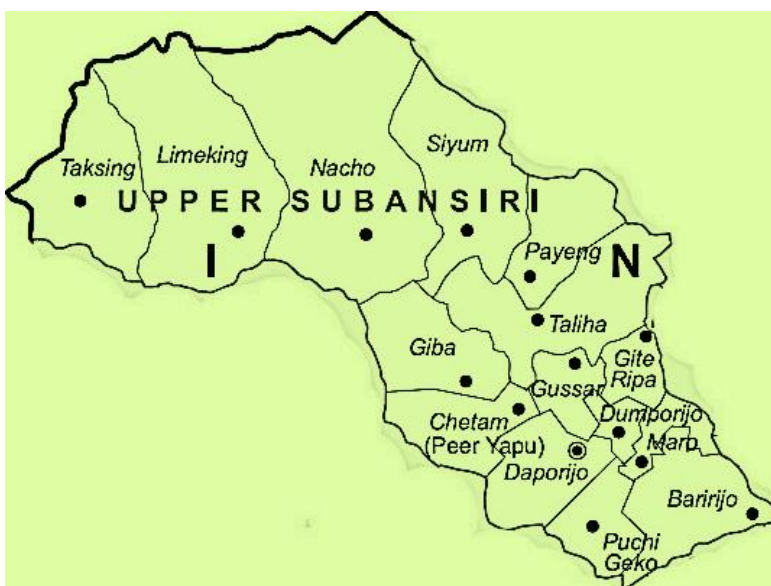


AMFU, ICAR Research Complex for NEH Region
Arunachal Pradesh Centre, Basar-791101

District: Upper Subansiri

No: 67/2017/Tue

Dated: 22nd August, 2017



Weather summary of the previous week	Weather forecast valid up to 27 th August 2017
Daporijo: 36.6 mm (up to 18 th Aug)	Partly/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 15-16°C respectively. Expected morning and evening relative humidity will be 94-97% and 49-70% respectively. Expected wind direction mainly WNW with speed range of 2-5 kmph.
Warning	•

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			
Rice	Tillering stage	Gundhi bug/ leaf folder	<ul style="list-style-type: none">Hang dead frog in the field against gundhi bugMaintain periphery of nursery field weed free and clean to prevent disease and pest harboring in weeds.Rice: Spray Triazophos 40EC@4ml/lit water against leaf folder.
Maize	Fruiting	Grasshopper	<ul style="list-style-type: none">Grasshopper infestation: Bund racking followed by incorporation of Carbofuron 3G
Jhum field	Anthesis/ Ripening	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.If infestation is high, on clear dry weather or using stickers, 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.In infestation is high spray Triazophos 40 EC@4ml/lit water against thrips & stem borer using stickers.
VEGETABLES			
Tomato	Fruiting		<ul style="list-style-type: none">Removing sideshoots is an important job which prevents the fruits being shaded by leaves.Provide shed to protect from excessive rainfall
Summer Vegetables	Multiple stages		<ul style="list-style-type: none">Mulching with locally available materials like dry grass/paddy straw recommendedUse 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">Mulching with locally available materials like dry grass/paddy straw recommendedCultural 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			
Citrus	Fruit development stage	Citrus Canker Fruit sucking moth	<ul style="list-style-type: none">Avoid water stagnation near the tree trunk.Remove water shoots from the trees.Prune all canker affected branches and leaves and burn them. On clear/dry weather, spray copper oxychloride (180 gms) with Streptocycline (6 gms) per 60 liters water.Fruit sucking moth: Destroy all the fallen fruits by burying in the pit. Poison baiting with 20gm Malathion WP or 50 ml Diazinon mixed with 200gms gur and some orange juice in two litres of water placed in a tray.
Kiwi	Vegetative		<ul style="list-style-type: none">Manuring with well decomposed FYM@15kg/plant followed by mulching with paddy straw.
Large Cardamom	Flowering stage	Chirkey Disease (fungal inection) & Chirke and Foorkey (virus infection)	<ul style="list-style-type: none">Mulching with locally available materials like dry grass/paddy straw recommendedRemove diseased part & keep inflorescence clean.Uproot & burn virus infected plants
Pineapple	Fruiting/Harvesting		<ul style="list-style-type: none">Harvesting to be done by keeping an inch of fruit stalk to avoid entry of microorganisms which accelerates rotting.
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.

			<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.
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			<ul style="list-style-type: none"> Application of quick lime is highly recommended in order to rectify water pH. Application of fish feed (mustard oil cake) is essential for achieving higher yield
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: 23rd to 25th August 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: 67/2017/Tue

Dated: 22nd August, 2017



Weather summary of the previous week	Weather forecast valid up to 27 th August 2017
Rainfall = Bomdila: NA ; Bhalukpong: 0.0 mm (up to 18 th Aug)	Partly/mostly cloudy with possibility of light rainfall. Daily maximum and minimum temperature for the following period is predicted to be 20-21°C and 14-15°C respectively. Expected morning and evening relative humidity will be 84-91% and 54-69% respectively. Wind direction is mainly ENE & E with speed range of 2-6 kmph.
Warning:	•

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"> If dry weather prevails, foliar spray 1% urea is recommended Grasshopper infestation: Bund racking followed by incorporation of Carbofuron 3G
Rice	Tillering stage	Gundhi bug/ leaf folder	<ul style="list-style-type: none"> Hang dead frog in the field against gundhi bug Maintain periphery of nursery field weed free and clean to prevent disease and pest harboring in weeds. Rice: Spray Triazophos 40EC@4ml/lit water against leaf folder.
Groundnut	Pegging	Leaf Spot/tikka disease	<ul style="list-style-type: none"> On sunny day, spray carbendazim/Mancozeb @ 1-2 ml/lit of water Do not disturb the soil structure by spading/hoeing in the field. Hand weeding with care is recommended.
<i>Jhum</i> field	Anthesis	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. If infestation is high, on clear dry weather or using stickers, 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. In infestation is high spray Triazophos 40 EC@4ml/lit water against thrips & stem borer using stickers.
VEGETABLES			
Tomato	Fruiting		<ul style="list-style-type: none"> Removing sideshoots is an important job which prevents the fruits being shaded by leaves. Provide shed to protect from excessive rainfall
Summer Vegetables	Multiple stages		<ul style="list-style-type: none"> Mulching with locally available materials like dry grass/paddy straw recommended 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"> Mulching with locally available materials like dry grass/paddy straw recommended 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	Fruit development stage	Citrus Canker Fruit sucking moth	<ul style="list-style-type: none"> Avoid water stagnation near the tree trunk. Remove water shoots from the trees. Prune all canker affected branches and leaves and burn them. On clear/dry weather, spray copper oxychloride (180 gms) with Streptocycline (6 gms) per 60 liters water. Fruit sucking moth: Destroy all the fallen fruits by burying in the pit. Poison baiting with 20gm Malathion WP or 50 ml Diazinon mixed with 200gms gur and some orange juice in two litres of water placed in a tray.
Kiwi	Vegetative		<ul style="list-style-type: none"> Manuring with well decomposed FYM@15kg/plant followed by mulching with paddy straw.
Pineapple	Active vegetative / Fruiting		<ul style="list-style-type: none"> Mulching with locally available materials like dry grass/paddy straw recommended
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. <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.
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			<ul style="list-style-type: none"> Application of quick lime is highly recommended in order to rectify water pH. Application of fish feed (mustard oil cake) is essential for achieving higher yield
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)

कृषि मौसम सलाहकार सेवा पत्रिका Agro-met Advisory Bulletin

(Period: 23rd to 25th August 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: 67/2017/Tue

Dated: 22nd August, 2017



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

Weather summary of the previous week	Weather forecast valid up to 27 th August 2017
Basar: Rainfall = 0.0 mm. T. Max: 30.6°C, T. Min: 21.1°C, RH: 62-92%, Wind Speed: 2-6 kmph, Wind Direction: variable Aalo: NA	Mostly cloudy with possibility of 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 91-97% and 47-64% respectively. Wind direction is mainly W with speed range of 2-4 kmph.
Warning:	●

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	Ripening/ Harvesting	Grasshopper/ Thrips and Stem borer/ leaf folder Leaf blast	<ul style="list-style-type: none"> Harvesting can be done on clear/dry weather for early sown crop Grasshopper infestation: Bund racking followed by incorporation of Carbofuron 3G. If infestation is high, on clear dry weather or using stickers, 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.
Rice	Tillering stage	Gundhi bug/ leaf folder	<ul style="list-style-type: none"> Hang dead frog in the field against gundhi bug Maintain periphery of nursery field weed free and clean to prevent disease and pest harboring in weeds. Rice: Spray Triazophos 40EC@4ml/lit water against leaf folder.
Groundnut	Pegging	Leaf Spot/tikka disease	<ul style="list-style-type: none"> On sunny day, spray carbendazim/Mancozeb @ 1-2 ml/lit of water Do not disturb the soil structure by spading/hoeing in the field. Hand weeding with care is recommended.
Pulses	Flowering	Blister beetle	<ul style="list-style-type: none"> Application of fertilizers and spray operations to be delayed/avoided Go for manual picking of Blister beetle without delay because the incidence of the pest during flowering stage cause huge lose in harvest
VEGETABLES			
Tomato	Fruiting		<ul style="list-style-type: none"> Removing sideshoots is an important job which prevents the fruits being shaded by leaves. Provide shed to protect from excessive rainfall
Summer Vegetables	Multiple stages		<ul style="list-style-type: none"> Mulching with locally available materials like dry grass/paddy straw recommended 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"> Mulching with locally available materials like dry grass/paddy straw recommended 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	Fruit development stage	Citrus Canker Fruit sucking moth	<ul style="list-style-type: none"> Avoid water stagnation near the tree trunk. Remove water shoots from the trees. Prune all canker affected branches and leaves and burn them. On clear/dry weather, spray copper oxychloride (180 gms) with Streptocycline (6 gms) per 60 liters water. Fruit sucking moth: Destroy all the fallen fruits by burying in the pit. Poison baiting with 20gm Malathion WP or 50 ml Diazinon mixed with 200gms gur and some orange juice in two litres of water placed in a tray.
Kiwi	Vegetative		<ul style="list-style-type: none"> Manuring with well decomposed FYM@15kg/plant followed by mulching with paddy straw.
Pineapple	Fruiting/Harves ting		<ul style="list-style-type: none"> Harvesting to be done by keeping an inch of fruit stalk to avoid entry of microorganisms which accelerates rotting.

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.
Ginger/Turmeric	Seedling		<ul style="list-style-type: none"> Mulching with locally available materials like dry grass/paddy straw recommended Proper drainage to be done and avoid water stagnation
Large Cardamom	Flowering stage	Chirkey Disease (fungal inection) & Chirke and Foorkey (virus infection)	<ul style="list-style-type: none"> Mulching with locally available materials like dry grass/paddy straw recommended Remove diseased part & keep inflorescence clean. Uproot & burn virus infected plants
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			<ul style="list-style-type: none"> Application of quick lime is highly recommended in order to rectify water pH. Application of fish feed (mustard oil cake) is essential for achieving higher yield
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)