

कृषि मौसम सलाहकार सेवा पत्रिका

Agro-met Advisory Bulletin

(Period: 22nd to 26th July, 2016)

ग्रामीण कृषि मौसम सेवा

GRAMIN KRISHI MAUSAM SEWA

(Integrated Agro-Meteorological Advisory Services)



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

District: Anjaw

No: 59/2015-16/Fri

Dated: 22nd July, 2016



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

Weather summary of the previous week	Weather forecast valid up to 22 nd July, 2016
Rainfall = NA	Mostly cloudy sky with light/moderate rainfall. Max Temp=27°C and Min Temp=20°C, RH=66-99%, Wind Speed=2-4 kmph, Wind direction: ESE
Warning:	Heavy to very heavy rainfall is very likely in few places on 23rd and 24th July

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**
- **Warning: Spraying of DDT in crops is lethal**

Crop	Stage	Pest/Disease	Precautionary Practices to be followed
FIELD CROPS			
Wetland Rice	Nursery/ Transplantation	Stem borer / thrips	<ul style="list-style-type: none">• Proper drainage to avoid excess water in case of heavy rainfall.• Before transplanting, follow seedling root-dip treatment in chlorpyrifos 20 EC@ 2ml/10 lit for 12 hrs.• Before transplanting, clip off the tip of seedlings to prevent infestation.• On clear day, spray Triazophos 40 EC@4ml/lit water with sticker (@1ml/lit)
Jhum Rice/upland rice	Tillering stage		<ul style="list-style-type: none">• In upland rice, spraying of 1% DAP is recommended to increase the nos. of effective tillers and yields.• Carry out top dressing in upland rice of 2/3rd of recommended dose of urea.• Maintain periphery of nursery field weed free and clean to prevent disease and pest harboring in weeds.
Soybean	Vegetative		<ul style="list-style-type: none">• Go for nipping in soyabean with excessive vegetative growth sown in the month of April-May
Pulses/Ground nut	Vegetative stage	Epicauta Bettle	<ul style="list-style-type: none">• Spray azadirachtin 0.15 EC@ 1 ml/lit against Epicauta settle in soybean• Proper drainage to avoid excess moisture or water logging.
VEGETABLES			
Ginger/turmeric	Vegetative stage	Soft Rot	<ul style="list-style-type: none">• 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	Fruiting	Fruit drop	<ul style="list-style-type: none">• Spray carbendazim @ 1ml/lit of water
Orchards	Multiple stages		<ul style="list-style-type: none">• Prepare half moon terraces in fruit crops (orange/banana/apple/peach) grown in steep slopes to prevent nutrient loss during heavy downpour.• Follow proper drainage and earthing up practices in low land/plain areas to avoid water stagnation in fruit orchards
Large Cardamom	Flowering stage	Chirkey Disease	<ul style="list-style-type: none">• Remove diseased part & keep inflorescence clean.• Need based spray of broad spectrum fungicide like carbendazim @2g/lit water.
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.
AGROFORESTRY			
Toko Palm and other MPTs	Seedling		<ul style="list-style-type: none">• Transplantation of seedling in field followed by application of basal dose of fertilizers.• Suitable time for transplanting of seedlings cuttings in the fields.• High time of Insect attack, apply Bordeaux mixture or lime.
LIVESTOCKS			
Livestock	Stage	Disease	Precautionary Practices to be followed
Pigs	All stages		<ul style="list-style-type: none">• Vaccination in DOC against RD(F1) at 4-6 days old followed by booster dose after month.• Deworm at regular interval

			<ul style="list-style-type: none">Disinfecting the animal sheds with lime powder/ bleaching powder/ 4%NaOH at regular interval is advocated
Poultry	All stages	Ranikhet	<ul style="list-style-type: none">Vaccinate DOC chicks against RD/F1 on 4th day after birth & booster dose after 1 months.
Fishery			<ul style="list-style-type: none">Broadcast mustard Oil Cake (MOC) @5kg/day over the pond twice daily to feed fish fingerlingsKeep the periphery of fish grow-out tank clean
Cattle/Mithun	All stages	FMD	<ul style="list-style-type: none">Vaccination is advocated against FMDDeworming with antihelminthic drugs like oxclozanide or pyrantel.
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: 22nd to 26th July, 2016)

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



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

District: Changlang

No: 59/2015-16/Fri

Dated: 22nd July, 2016



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


Weather summary of the previous week	Weather forecast valid up to 26 th July, 2016
Rainfall = Changlang: 15.0 mm. Miao: 56.6 mm	Mostly cloudy sky with possibility of light/moderate rainfall. Max Temp=27°C and Min Temp=21°C, RH=79-100%, Wind Speed=2 kmph, Wind direction: ESE
Warning	NIL

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			
Wetland Rice	Nursery/ Transplantation	Stem borer / thrips	<ul style="list-style-type: none">Before transplanting, follow seedling root-dip treatment in chlorpyrifos 20 EC@ 2ml/10 lit for 12 hrs.Before transplanting, clip off the tip of seedlings to prevent infestation.On clear day, spray Triazophos 40 EC@4ml/lit water with sticker (@1ml/lit)
Upland Rice	Tillering		<ul style="list-style-type: none">Carry out top dressing in upland rice of 2/3rd of recommended dose of urea.Maintain periphery of nursery field weed free and clean to prevent disease and pest harboring in weeds.
Soybean	Vegetative		<ul style="list-style-type: none">Go for nipping in soyabean with excessive vegetative growth sown in the month of April-May
Pulses/Ground nut	Vegetative stage	Cercospora Leaf sopt & Epicauta bettle	<ul style="list-style-type: none">Foliar spray of carbandazim/Mancozab@2gm/litSpray azadirachtin 0.15 EC@ 1 ml/lit against Epicauta bettle in soybean.
VEGETABLES			
Summer Vegetables	Multiple stages		<ul style="list-style-type: none">Proper scientific cultural practices to be carried out in all vegetables viz. cleaning, earthing up, weeding, proper drainage etc.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.
FRUIT CROPS			
Large Cardamom	Flowering stage	Chirkey Disease	<ul style="list-style-type: none">Remove diseased part & keep inflorescence clean.Need based spray of broad spectrum fungicide like carbendazim @2g/lit water.
Orchards	Multiple stages / all stages		<ul style="list-style-type: none">Prepare half moon terraces in fruit crops (orange/banana/apple/peach) grown in steep slopes to prevent nutrient loss during heavy downpour.Follow proper drainage and earthing up practices in low land/plain areas to avoid water stagnation in fruit orchards
Banana	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.
AGROFORESTRY			
Toko Palm and other MPTs	Seedling		<ul style="list-style-type: none">Transplantation of seedling in filed followed by application of basal dose of fertilizers.Suitable time for transplanting of seedlings cuttings in the fields.High time of Insect attack, apply Bordeaux mixture or lime.
LIVESTOCKS			
Livestock	Stage	Disease	Precautionary Practices to be followed
Pigs	All stages		<ul style="list-style-type: none">Provide concentrate feed and multi-vitamins

			<ul style="list-style-type: none">• Vaccination as per the schedule with proper consultation with vet.• Deworm at regular interval• Disinfecting the animal sheds with lime powder/ bleaching powder/ 4%NaOH at regular interval is advocated
Poultry	All stages 		<ul style="list-style-type: none">• Vaccinate DOC chicks against RD/F1 on 4th day after birth & booster dose after 1 months.• Quarantine the newly procured birds for one month before introduction with old birds.
Fishery			<ul style="list-style-type: none">• Broadcast mustard Oil Cake (MOC) @5kg/day over the pond twice daily to feed fish fingerlings• Keep clean the periphery at the fish grow-out tank, because they absorb nutrients from the water.
Cattle/Mithun	All stages	FMD	<ul style="list-style-type: none">• Vaccination is advocated against FMD
Contact Scientists (ICAR) or State Agril Staff or KVK staff for measures against adverse conditions or call at 03795-226237/226247			

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GRAMIN KRISHI MAUSAM SEWA

(Integrated Agro-Meteorological Advisory Services)



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

District: Dibang Valley

No: 59/2015-16/Fri

Dated: 22nd July, 2016



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

Weather summery of the previous week	Weather forecast valid up to 26 th July, 2016
Rainfall = Anini: NA	Partly cloudy sky with light rainfall is forecasted. Max Temp=28°C and Min Temp=20°C, RH=58-98%, Wind Speed=2 kmph, Wind direction: ESE
Warning:	Heavy to very heavy rainfall is very likely in few places on 23rd and 24th July

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			
Wetland Rice	Nursery/ Transplantation	Stem borer / thrips	<ul style="list-style-type: none"> • Before transplanting, follow seedling root-dip treatment in chlorpyrifos 20 EC@ 2ml/10 lit for 12 hrs. • Before transplanting, clip off the tip of seedlings to prevent infestation. • On clear day, spray Triazophos 40 EC@4ml/lit water with sticker (@1ml/lit)
Jhum Rice	Tillering stage		<ul style="list-style-type: none"> • In upland rice, spraying of 1% DAP is recommended to increase the nos. of effective tillers and yields. • Carry out top dressing in upland rice of 2/3rd of recommended dose of urea. • Maintain periphery of nursery field weed free and clean to prevent disease and pest harboring in weeds.
Pulses/Ground nut	Vegetative stage	Cercospora Leaf spot & Epicauta bettle	<ul style="list-style-type: none"> • Spray azadirachtin 0.15 EC@ 1 ml/lit against Epicauta bettle in soybean • Foliar spray of carbandazim/Mancozab@2gm/lit • Manual weeding in greengram/blackgram • Proper drainage to avoid excess moisture or water logging. • Complete sowing of soybean before July 1st week
Soybean	Vegetative		<ul style="list-style-type: none"> • Go for nipping in soyabean with excessive vegetative growth sown in the month of April-May
VEGETABLES			
Ginger/turmeric	Vegetative stage	Soft Rot	<ul style="list-style-type: none"> • Cultural practice like weeding/earthing up is recommended followed by basal dose of fertilizers • For management of soft rot in ginger: Need based drenching of Metalaxyl-8% + Mancozeb 64% WP @ 2.5 g per lit of water.
FRUIT CROPS			
Large Cardamom	Flowering stage	Chirkey Disease	<ul style="list-style-type: none"> • Remove diseased part & keep inflorescence clean. • Need based spray of broad spectrum fungicide like carbendazim @2g/lit water.
Orchards	All stages		<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
Pineapple	Active Vegetative		<ul style="list-style-type: none"> • Remove excess suckers and spray NAA@100ppm to increase fruit size and improve quality.
Banana	Bunching & planting		<ul style="list-style-type: none"> • Desuckering of banana to be done leaving one suckers per plant to maintain the health of mother plant. • Remove 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.

AGROFORESTRY			
Toko Palm and other MPTs	Seedling		<ul style="list-style-type: none">• Transplantation of seedling in field followed by application of basal dose of fertilizers.• Suitable time for transplanting of seedlings cuttings in the fields.• High time of Insect attack, apply Bordeaux mixture or lime.
LIVESTOCKS			
Livestock	Stage	Disease	Precautionary Practices to be followed
Pigs	All stages		<ul style="list-style-type: none">• During noon provide glucose/electrol in drinking water
Poultry	All stages		<ul style="list-style-type: none">• Provide anticoccidial drugs for preventive dose• Vaccinate DOC chicks against RD/F1 on 4th day after birth & booster dose after 1 month.
Fishery			<ul style="list-style-type: none">• Right time for stocking of fish fingerlings in fish tank with stocking density @ 1/m²• Broadcast mustard Oil Cake (MOC) @5kg/day over the pond twice daily to feed fish fingerlings• Keep clean the periphery of the fish grow-out tank
Cattle/Mithun	All stages	FMD	<ul style="list-style-type: none">• Vaccination is advocated
Contact Scientists (ICAR) or State Agril Staff or KVK staff for measures against adverse conditions or call at 03795-226237/226247			

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GRAMIN KRISHI MAUSAM SEWA

(Integrated Agro-Meteorological Advisory Services)



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

District: East Kameng

No: 59/2015-16/Fri

Dated: 22nd July, 2016



Weather summary of the previous week	Weather forecast valid up to 22 nd July, 2016
Rainfall = 10.4 mm (Seppa)	Mostly cloudy sky with light/moderate rainfall. Max Temp=27°C and Min Temp=20°C, RH=90-99%, Wind Speed=2 kmph, Wind direction: E
Warning:	Heavy to very heavy rainfall is very likely in few places on 24th and 25th

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			
Wetland Rice	Nursery/ Transplantation	Stem borer / thrips	<ul style="list-style-type: none"> • Before transplanting, follow seedling root-dip treatment in chlorpyrifos 20 EC@ 2ml/10 lit for 12 hrs. • Before transplanting, clip off the tip of seedlings to prevent infestation. • On clear day, spray Triazophos 40 EC@4ml/lit water with sticker (@1ml/lit)
<i>Jhum</i> / upland Rice	Tillering stage		<ul style="list-style-type: none"> • In upland rice, spraying of 1% DAP is recommended to increase the nos. of effective tillers and yields. • Carry out top dressing in upland rice of 2/3rd of recommended dose of urea. • Maintain periphery of nursery field weed free and clean to prevent disease and pest harboring in weeds.
Soybean	Vegetative		<ul style="list-style-type: none"> • Go for nipping in soyabean with excessive vegetative growth sown in the month of April-May
Pulses/Ground nut	Vegetative stage	Cercospora Leaf spot & Epicauta bettle	<ul style="list-style-type: none"> • Spray azadirachtin 0.15 EC@ 1 ml/lit against Epicauta bettle in soybean • Foliar spray of carbandazim/Mancozab@2gm/lit • Proper drainage to avoid excess moisture or water logging.
VEGETABLES			
Summer Vegetables	Fruiting		<ul style="list-style-type: none"> • Dust ash powder in cucurbits • New nursery should be raised inside well covered structure with a raised bed to protect against continuous rain/shower.
Ginger/turmeric	Vegetative stage	Soft Rot	<ul style="list-style-type: none"> • Cultural practice like weeding/earthing up is recommended followed by basal dose of fertilizers • For management of soft rot in ginger: Need based dressing of Metalaxyl-8% + Mancozeb 64% WP @ 2.5 g per lit of water.
FRUIT CROPS			
Large Cardamom	Flowering stage	Chirkey Disease	<ul style="list-style-type: none"> • Remove diseased part & keep inflorescence clean. • Need based spray of broad spectrum fungicide like carbendazim @2g/lit water.
Orchards	Multiple stages		<ul style="list-style-type: none"> • Prepare half moon terraces in fruit crops (orange/banana/apple/peach) grown in steep slopes to prevent nutrient loss during heavy downpour. • Follow proper drainage and earthing up practices in low land/plain areas to avoid water stagnation in fruit orchards
Banana	Bunching & planting		<ul style="list-style-type: none"> • Remove excess sucker from Banana in mother plant and give support in banana bunches to protect falling due to heavy weight or storm. • Sword suckers with stout base, tapering towards the top with narrow leaves should be selected for planting at 3m x 3m spacing.
Pineapple	Active Vegetative		<ul style="list-style-type: none"> • Remove excess suckers and spray NAA@100ppm to increase fruit size and improve quality.
AGROFORESTRY			
Toko Palm and other MPTs	Seedling		<ul style="list-style-type: none"> • Transplantation of seedling in filed followed by application of basal dose of fertilizers. • Suitable time for transplanting of seedlings cuttings in the fields. • High time of Insect attack, apply Bordeaux mixture or lime.

LIVESTOCKS			
Livestock	Stage	Disease	Precautionary Practices to be followed
Pigs	All stages		<ul style="list-style-type: none">During noon provide glucose/electrol in drinking water
Poultry	All stages		<ul style="list-style-type: none">Provide anticoccidial drugs for preventive doseVaccinate DOC chicks against RD/F1 on 4th day after birth & booster dose after 1 month.
Fishery			<ul style="list-style-type: none">Right time for stocking of fish fingerlings in fish tank with stocking density @1/m²Broadcast mustard Oil Cake (MOC) @5kg/day over the pond twice daily to feed fish fingerlingsKeep the periphery of fish grow-out tank clean
Cattle		FMD	<ul style="list-style-type: none">Vaccination is advocated
Contact Scientists (ICAR) or State Agril Staff or KVK staff for measures against adverse conditions or call at 03795-226237/226247			

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GRAMIN KRISHI MAUSAM SEWA

(Integrated Agro-Meteorological Advisory Services)



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

District: East Siang

No: 59/2015-16/Tue

Dated: 22nd July, 2016



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

Weather summary of the previous week	Weather forecast valid up to 26 th July, 2016
Rainfall: 126.8 mm; T. Max: 28.0°C; T. Min: 23.0°C; RH: 93-100 %	Mostly cloudy weather is forecasted with light/moderate rainfall. Max Temp=29°C and Min Temp=22°C, RH=80-98%, Wind Speed=2-3 kmph, Wind direction: SE
Warning:	Heavy to very heavy rainfall is very likely in few places on 23rd & 24th July

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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			
Pulses/Ground nut	Vegetative stage	Cercospora Leaf spot & Epicauta beetle	<ul style="list-style-type: none"> On clear weather spray azadirachtin 0.15 EC@ 1 ml/lit against Epicauta beetle in soybean Proper drainage to avoid excess moisture or water logging.
Wetland Rice	Nursery/Transplantation	Stem borer / thrips	<ul style="list-style-type: none"> Before transplanting, follow seedling root-dip treatment in chlorpyrifos 20 EC@ 2ml/10 lit for 12 hrs. Before transplanting, clip off the tip of seedlings to prevent infestation. On clear day, spray Triazophos 40 EC@4ml/lit water with sticker (@1ml/lit)
Jhum Rice	Tillering stage	Leaf Blast	<ul style="list-style-type: none"> In upland rice, spraying of 1% DAP is recommended to increase the nos. of effective tillers and yields. Maintain periphery of nursery field weed free and clean to prevent disease and pest harboring in weeds.
Maize	Multiple stages		<ul style="list-style-type: none"> If bluish-green leaves are observed, apply SSP or DAP along with 2/3rd of Urea to rejuvenate the plant from phosphorus deficiency
VEGETABLES			
Tomato	Fruiting		<ul style="list-style-type: none"> Removing sideshoots is an important job which prevents the fruits being shaded by leaves. As temperatures rise, keep watering your plants, but avoid watering the leaves excessively that may lead to disease infestation.
Ginger/turmeric	Vegetative stage	Soft Rot	<ul style="list-style-type: none"> Cultural practice like weeding/earthing up is recommended followed by basal dose of fertilizers For management of soft rot in ginger: Need based dressing of Metalaxyl-8% + Mancozeb 64% WP @ 2.5 g per lit of water.
FRUIT CROPS			
Large Cardamom	Flowering stage	Chirkey Disease	<ul style="list-style-type: none"> Remove diseased part & keep inflorescence clean. Need based spray of broad spectrum fungicide like carbendazim @2g/lit water.
Orchards	Multiple stages		<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
Pineapple	Active vegetative		<ul style="list-style-type: none"> Remove excess suckers and spray NAA@100ppm to increase fruit size and improve quality.
Banana	Bunching & planting		<ul style="list-style-type: none"> 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.
AGROFORESTRY			
Toko Palm and other MPTs	Seedling		<ul style="list-style-type: none"> Transplantation of seedling in field followed by application of basal dose of fertilizers. Suitable time for transplanting of seedlings cuttings in the fields. High time of Insect attack, apply Bordeaux mixture or lime.

LIVESTOCKS			
Livestock	Stage	Disease	Precautionary Practices to be followed
Pigs	All stages		<ul style="list-style-type: none">• Deworm at regular interval• During scarcity of fodder provide hay/silage/feedblocks.• Disinfecting the animal/bird sheds with lime powder/bleaching powder/ 4%NaOH at regular interval is advocated• Weaning is recommended at the age of 8 weeks for crossbreeds and 10 weeks for indigenous pigs.
Poultry	All stages		<ul style="list-style-type: none">• Provide anti-coccidial drugs• Vaccinate DOC chicks against RD/F1 on 4th day after birth & booster dose after 1 month
Fishery			<ul style="list-style-type: none">• Right time for stocking of fish fingerlings in fish tank with stocking density @1/m²• Broadcast mustard Oil Cake (MOC) @5kg/day over the pond twice daily to feed fish fingerlings
Cattle/Mithun		FMD	<ul style="list-style-type: none">• Vaccination is advocated• Deworming with anthelmintic drugs like oxclozanide or pyrantel.
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: 22nd to 26th July, 2016)

ग्रामीण कृषि मौसम सेवा

GRAMIN KRISHI MAUSAM SEWA

(Integrated Agro-Meteorological Advisory Services)



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

District: Kurung Kumey

No: 59/2015-16/Fri

Dated: 22nd July, 2016



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

Weather summary of the previous week	Weather forecast valid up to 26 th July, 2016
Rainfall = NA	Mostly cloudy sky with possibility of light rainfall. Max Temp=29°C and Min Temp=22°C, RH=66-93%, Wind Speed=2-3 kmph, Wind direction: SSE
Warning	Heavy to very heavy rainfall is very likely in few places on 22nd and 24th July

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			
Pulses/Ground nut	Vegetative stage	Cercospora Leaf spot & Epicauta beetle	<ul style="list-style-type: none"> Spray azadirachtin 0.15 EC@ 1 ml/lit against Epicauta beetle in soybean Foliar spray of carbandazim/Mancozab@2gm/lit Manual weeding in greengram/blackgram Proper drainage to avoid excess moisture or water logging.
Maize	Multiple stages		<ul style="list-style-type: none"> If bluish-green leaves are observed, apply SSP or DAP along with 2/3rd of Urea to rejuvenate the plant from phosphorus deficiency
Jhum Rice/ Upland rice	Tillering stage		<ul style="list-style-type: none"> In upland rice, spraying of 1% DAP is recommended to increase the nos. of effective tillers and yields. Maintain periphery of nursery field weed free and clean to prevent disease and pest harboring in weeds.
Wetland Rice	Nursery/ Transplantation	Stem borer / thrips	<ul style="list-style-type: none"> Before transplanting, follow seedling root-dip treatment in chlorpyrifos 20 EC@ 2ml/10 lit for 12 hrs. Before transplanting, clip off the tip of seedlings to prevent infestation. On clear day, spray Triazophos 40 EC@4ml/lit water with sticker (@ 1ml/lit)
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.
Ginger/turmeric	Vegetative stage	Soft Rot	<ul style="list-style-type: none"> Cultural practice like weeding/earthing up is recommended followed by basal dose of fertilizers For management of soft rot in ginger: Need based dressing of Metalaxyl-8% + Mancozeb 64% WP @ 2.5 g per lit of water.
FRUIT CROPS			
Large Cardamom	Flowering stage	Chirkey Disease	<ul style="list-style-type: none"> Remove diseased part & keep inflorescence clean. Need based spray of broad spectrum fungicide like carbendazim @2g/lit water.
Orchards	Multiple stages		<ul style="list-style-type: none"> Prepare half moon terraces in fruit crops (orange/banana/apple/peach) grown in steep slopes to prevent nutrient loss during heavy downpour. Follow proper drainage and earthing up practices in low land/plain areas to avoid water stagnation in fruit orchards
Banana	Bunching & planting		<ul style="list-style-type: none"> Remove excess sucker from Banana in mother plant and give support in banana bunches to protect falling due to heavy weight or storm. Sword suckers with stout base, tapering towards the top with narrow leaves should be selected for planting at 3m x 3m spacing.
Pineapple	Vegetative stage		<ul style="list-style-type: none"> Remove excess suckers and spray NAA@100ppm to increase fruit size and improve quality.
AGROFORESTRY			
Toko Palm and other MPTs	Seedling		<ul style="list-style-type: none"> Transplantation of seedling in field followed by application of basal dose of fertilizers. Suitable time for transplanting of seedlings cuttings in the fields. High time of Insect attack, apply Bordeaux mixture or lime.
LIVESTOCKS			
Livestock	Stage	Disease	Precautionary Practices to be followed
Pigs	All stages		<ul style="list-style-type: none"> Provide concentrate feed and multi-vitamins

			<ul style="list-style-type: none">• Vaccination as per the schedule with proper consultation with vet.• Deworm at regular interval
Poultry	All stages		<ul style="list-style-type: none">• Provide anticoccidial drugs as preventive dose• Vaccinate DOC chicks against RD/F1 on 4th day after birth & booster dose after 1 month
Fishery			<ul style="list-style-type: none">• Right time for stocking of fish fingerlings in fish tank with stocking density @ 1/m²• Broadcast mustard Oil Cake (MOC) @5kg/day over the pond twice daily to feed fish fingerlings.
Dog		Canine Parvovirus	<ul style="list-style-type: none">• Vaccinate as per consultation with vet
Cattle/Mithun		FMD	<ul style="list-style-type: none">• Vaccination is advocated• Deworming with antihelminthic drugs like oxclozanide or pyrantel
Contact Scientists (ICAR) or State Agril Staff or KVK staff for measures against adverse conditions or call at 03795-226237/226247			

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Agrometeorological Field Unit
ICAR, BASAR

कृषि मौसम सलाहकार सेवा पत्रिका

Agro-met Advisory Bulletin

(Period: 22nd to 24th July, 2016)

ग्रामीण कृषि मौसम सेवा

GRAMIN KRISHI MAUSAM SEWA

(Integrated Agro-Meteorological Advisory Services)



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

District: Lohit

No: 59/2015-16/Fri

Dated: 22nd July, 2016



Weather summary of the previous week	Weather forecast valid up to 26 th July, 2016
Rainfall = 94.6 mm (Tezu)	Mostly cloudy sky with possibility of moderate/heavy rainfall. Max Temp=29°C and Min Temp=22°C, RH=71-98%, Wind Speed=2 kmph, Wind direction: E
Warning:	Heavy to very heavy rainfall is very likely in few places on 21st and 22nd July

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			
Wetland Rice	Nursery/ Transplantation	Stem borer / thrips	<ul style="list-style-type: none"> Before transplanting, follow seedling root-dip treatment in chlorpyrifos 20 EC@ 2ml/10 lit for 12 hrs. Before transplanting, clip off the tip of seedlings to prevent infestation. On clear day, spray Triazophos 40 EC@4ml/lit water with sticker (@1ml/lit)
Pulses/Ground nut	Vegetative stage	Cercospora Leaf spot & Epicauta bettle	<ul style="list-style-type: none"> Spray azadirachtin 0.15 EC@ 1 ml/lit against Epicauta bettle in soybean Foliar spray of carbandazim/Mancozab@2gm/lit Manual weeding in greengram/blackgram Proper drainage to avoid excess moisture or water logging.
Upland rice	Tillering stage	Leaf Blast	<ul style="list-style-type: none"> In upland rice, spraying of 1% DAP is recommended to increase the nos. of effective tillers and yields. Carry out top dressing in upland rice of 2/3rd of recommended dose of urea. Maintain periphery of nursery field weed free and clean to prevent disease and pest harboring in weeds. On clear/sunny days, spray carbendazim @2g/lit water in the field to control heavy infestation of leaf blast & leaf spot at 15 days interval.
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.
Ginger/turmeric	Vegetative stage	Soft Rot	<ul style="list-style-type: none"> Cultural practice like weeding/earthing up is recommended followed by basal dose of fertilizers For management of soft rot in ginger: Need based dressing of Metalaxyl-8% + Mancozeb 64% WP @ 2.5 g per lit of water.
FRUIT CROPS			
Large Cardamom	Flowering stage	Chirkey Disease	<ul style="list-style-type: none"> Remove diseased part & keep inflorescence clean. Need based spray of broad spectrum fungicide like carbendazim @2g/lit water.
Orchards	Multiple stages		<ul style="list-style-type: none"> Prepare half moon terraces in fruit crops (orange/banana/apple/peach) grown in steep slopes to prevent nutrient loss during heavy downpour. Follow proper drainage and earthing up practices in low land/plain areas to avoid water stagnation in fruit orchards
Banana	Bunching & planting		<ul style="list-style-type: none"> Remove excess sucker from Banana in mother plant and give support in banana bunches to protect falling due to heavy weight or storm. Sword suckers with stout base, tapering towards the top with narrow leaves should be selected for planting at 3m x 3m spacing.
Pineapple	Active Vegetative stage		<ul style="list-style-type: none"> Remove excess suckers and spray NAA@100ppm to increase fruit size and improve quality.
AGROFORESTRY			
Toko Palm and other MPTs	Seedling		<ul style="list-style-type: none"> Transplantation of seedling in field followed by application of basal dose of fertilizers. Suitable time for transplanting of seedlings cuttings in the fields. High time of Insect attack, apply Bordeaux mixture or lime.

LIVESTOCKS			
Livestock	Stage	Disease	Precautionary Practices to be followed
Pigs	All stages		<ul style="list-style-type: none"> Deworm at regular interval During scarcity of fodder provide hay/silage/feedblocks. Disinfecting the animal/bird sheds with lime powder/bleaching powder/ 4%NaOH at regular interval is advocated
Poultry	All stages		<ul style="list-style-type: none"> Provide anti-coccidial drugs as preventive dose Vaccinate DOC chicks against RD/F1 on 4th day after birth & booster dose after 1 month
Fishery			<ul style="list-style-type: none"> Right time for stocking of fish fingerlings in fish tank with stocking density @1/m² Broadcast mustard Oil Cake (MOC) @5kg/day over the pond twice daily to feed fish fingerlings Keep the periphery of fish grow-out tank clean
Cattle/Mithun		FMD	<ul style="list-style-type: none"> Vaccination is advocated Deworming with antihelmintic drugs like oxcylozanide or pyrantel
Contact Scientists (ICAR) or State Agril Staff or KVK staff for measures against adverse conditions or call at 03795-226237/226247			

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Agrometeorological Field Unit
ICAR, BASAR

कृषि मौसम सलाहकार सेवा पत्रिका

Agro-met Advisory Bulletin

(Period: 22nd to 26th July, 2016)

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: Lower Dibang Valley

No: 59/2015-16/Fri

Dated: 22nd July, 2016



Weather summary of the previous week	Weather forecast valid up to 26 th July, 2016
Rainfall = (Roing): 313.2 mm	Mostly cloudy sky with possibility of moderate/heavy rainfall. Max Temp=27°C and Min Temp=21°C, RH=65-99%, Wind Speed=2 kmph, Wind direction: E
Warning:	Heavy to very heavy rainfall is very likely in few places on 23 rd and 24 th July

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			
Pulses/Ground nut	Vegetative stage	Cercospora Leaf spot & Epicauta beetle	<ul style="list-style-type: none"> • Spray azadirachtin 0.15 EC@ 1 ml/lit against Epicauta beetle in soybean • Foliar spray of carbandazim/Mancozab@2gm/lit • Manual weeding in greengram/blackgram • Proper drainage to avoid excess moisture or water logging.
Wetland Rice	Nursery/Transplantation	Stem borer / thrips	<ul style="list-style-type: none"> • Before transplanting, follow seedling root-dip treatment in chlorpyrifos 20 EC@ 2ml/10 lit for 12 hrs. • Before transplanting, clip off the tip of seedlings to prevent infestation. • On clear day, spray Triazophos 40 EC@4ml/lit water with sticker (@1ml/lit)
Soybean	Vegetative		<ul style="list-style-type: none"> • Go for nipping in soyabean with excessive vegetative growth sown in the month of April-May
Jhum Rice/upland rice	Tillering stage	Leaf Blast	<ul style="list-style-type: none"> • In upland rice, spraying of 1% DAP is recommended to increase the nos. of effective tillers and yields. • Carry out top dressing in upland rice of 2/3rd of recommended dose of urea. • Maintain periphery of nursery field weed free and clean to prevent disease and pest harboring in weeds.
VEGETABLES			
Tomato	Fruiting		<ul style="list-style-type: none"> • Removing sideshoots is an important job which prevents the fruits being shaded by leaves. • As temperatures rise, keep watering your plants, but avoid watering the leaves excessively that may lead to disease infestation.
Summer Vegetables	Multiple stages		<ul style="list-style-type: none"> • Dust ash powder in cucurbits • Use pheromone traps/light traps against brinjal shoot and fruit borer. • New nursery should be raised inside well covered structure with a raised bed to protect against continuous rain/shower
Ginger/turmeric	Vegetative stage	Soft Rot	<ul style="list-style-type: none"> • Cultural practice like weeding/earthing up is recommended followed by basal dose of fertilizers • For management of soft rot in ginger: Need based dressing of Metalaxyl-8% + Mancozeb 64% WP @ 2.5 g per lit of water.
FRUIT CROPS			
Large Cardamom	Flowering stage	Chirkey Disease	<ul style="list-style-type: none"> • Remove diseased part & keep inflorescence clean. • Need based spray of broad spectrum fungicide like carbendazim @2g/lit water.
Orchards	Multiple stages		<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
Pineapple	Active Vegetative		<ul style="list-style-type: none"> • Remove excess suckers and spray NAA@100ppm to increase fruit size and improve quality.
Banana	Bunching & planting		<ul style="list-style-type: none"> • 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.

AGROFORESTRY			
Toko Palm and other MPTs	Seedling		<ul style="list-style-type: none"> • Transplantation of seedling in filed followed by application of basal dose of fertilizers. • Suitable time for transplanting of seedlings cuttings in the fields. • High time of Insect attack, apply Bordeaux mixture or lime.
LIVESTOCKS			
Livestock	Stage	Disease	Precautionary Practices to be followed
Pigs	All stages		<ul style="list-style-type: none"> • Provide concentrate feed and multi-vitamins • Vaccination as per the schedule with proper consultation with vet. • Deworm at regular interval
Poultry	All stages		<ul style="list-style-type: none"> • Provide anticoccidial drugs as preventive dose • Vaccinate DOC chicks against RD/F1 on 4th day after birth & booster dose after 1 months.
Fishery			<ul style="list-style-type: none"> • Right time for stocking of fish fingerlings in fish tank with stocking density @1/m² • Broadcast mustard Oil Cake (MOC) @5kg/day over the pond twice daily to feed fish fingerlings
Cattle/Mithun	All stages	FMD	<ul style="list-style-type: none"> • Vaccination is advocated • Deworming with antihelmintic drugs like oxclozanide or pyrantel.
Contact Scientists (ICAR) or State Agril Staff or KVK staff for measures against adverse conditions or call at 03795-226237/226247			

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(Period: 22nd to 26th July, 2016)

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GRAMIN KRISHI MAUSAM SEWA

(Integrated Agro-Meteorological Advisory Services)



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

District: Lower Subansiri

No: 59/2015-16/Fri

Dated: 22nd July, 2016



Weather summary of the previous week	Weather forecast valid up to 26 th July, 2016
Rainfall = NA (Ziro)	Mostly cloudy sky with possibility of light rainfall. Max Temp=30°C and Min Temp=21°C, RH=71-98%, Wind Speed=2 kmph, Wind direction: SE
Warning:	Heavy to very heavy rainfall is very likely in few places on 23 rd and 24 th July

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			
Wetland Rice	Nursery/ Transplantatio	Stem borer / thrips	<ul style="list-style-type: none">Before transplanting, follow seedling root-dip treatment in chlorpyrphos 20 EC@ 2ml/10 lit for 12 hrs.

	n		<ul style="list-style-type: none">Before transplanting, clip off the tip of seedlings to prevent infestation.On clear day, spray Triazophos 40 EC@4ml/lit water with sticker (@1ml/lit)
Pulses/Ground nut	Vegetative stage	Cercospora Leaf spot & Epicauta beetle	<ul style="list-style-type: none">Spray azadirachtin 0.15 EC@ 1 ml/lit against Epicauta beetle in soybeanFoliar spray of carbandazim/Mancozab@2gm/litManual weeding in greengram/blackgramProper drainage to avoid excess moisture or water logging.
Jhum Rice/upland rice	Tillering stage	Leaf Blast	<ul style="list-style-type: none">In upland rice, spraying of 1% DAP is recommended to increase the nos. of effective tillers and yields.Carry out top dressing in upland rice of 2/3rd of recommended dose of urea.Maintain periphery of nursery field weed free and clean to prevent disease and pest harboring in weeds.
Soybean	Vegetative		<ul style="list-style-type: none">Go for nipping in soyabean with excessive vegetative growth sown in the month of April-May
VEGETABLES			
Tomato	Fruiting		<ul style="list-style-type: none">Removing sideshoots is an important job which prevents the fruits being shaded by leaves.
Summer Vegetables	Multiple stages		<ul style="list-style-type: none">Proper scientific cultural practices to be carried out in all vegetables viz. cleaning, earthing up, weeding, proper drainage etc.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.
FRUIT CROPS			
Large Cardamom	Flowering stage	Chirkey Disease	<ul style="list-style-type: none">Remove diseased part & keep inflorescence clean.Need based spray of broad spectrum fungicide like carbendazim @2g/lit water.
Orchards	Multiple stages		<ul style="list-style-type: none">Prepare half moon terraces in fruit crops (orange/banana/apple/peach) grown in steep slopes to prevent nutrient loss during heavy downpour.Follow proper drainage and earthing up practices in low land/plain areas to avoid water stagnation in fruit orchards
Banana	Bunching & planting		<ul style="list-style-type: none">Remove excess sucker from Banana in mother plant and give support in banana bunches to protect falling due to heavy weight or storm.Sword suckers with stout base, tapering towards the top with narrow leaves should be selected for planting at 3m x 3m spacing.
Pineapple	Active vegetative		<ul style="list-style-type: none">Remove excess suckers and spray NAA@100ppm to increase fruit size and improve quality.
AGROFORESTRY			
Toko Palm and other MPTs	Seedling		<ul style="list-style-type: none">Transplantation of seedling in field followed by application of basal dose of fertilizers.Suitable time for transplanting of seedlings cuttings in the fields.High time of Insect attack, apply Bordeaux mixture or lime.
LIVESTOCKS			
Livestock	Stage	Disease	Precautionary Practices to be followed
Pigs	All stages		<ul style="list-style-type: none">Provide concentrate feed and multi-vitaminsVaccination as per the schedule with proper consultation

			with vet. <ul style="list-style-type: none">Deworm at regular interval
Poultry	All stages		<ul style="list-style-type: none">Provide anticoccidial drugs as preventive doseVaccinate DOC chicks against RD/F1 on 4th day after birth & booster dose after 1 months.
Fishery			<ul style="list-style-type: none">Right time for stocking of fish fingerlings in fish tank with stocking density @ 1/m²Broadcast mustard Oil Cake (MOC) @5kg/day over the pond twice daily to feed fish fingerlings
Cattle/Mithun	All stages	FMD	<ul style="list-style-type: none">Vaccination is advocatedDeworming with antihelmintic drugs like oxclozanide or pyrantel.
Contact Scientists (ICAR) or State Agril Staff or KVK staff for measures against adverse conditions or call at 03795-226237/226247			

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(Period: 22nd to 26th July, 2016)

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GRAMIN KRISHI MAUSAM SEWA

(Integrated Agro-Meteorological Advisory Services)



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

District: Papum Pare

No: 59/2015-16/Fri

Dated: 22nd July, 2016



Weather summary of the previous week	Weather forecast valid up to 26 th July , 2016
Rainfall: 44.5 mm; T.Max: 30.0°C; T.Min: 24.0°C ; RH: 81-95 %	Mostly cloudy weather is forecasted with light/moderate rainfall. Max Temp=30°C and Min Temp=21°C, RH=69-99%, Wind Speed=2-4 kmph, Wind direction: ENE
Warning:	Heavy to very heavy rainfall is very likely in few places on 23rd and 24th July

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

<ul style="list-style-type: none"> • 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			
Pulses/Ground nut	Vegetative stage	Cercospora Leaf spot & Epicauta beetle	<ul style="list-style-type: none"> • Complete earthing up before 45-50 days after sowing. • Spray azadirachtin 0.15 EC@ 1 ml/lit against Epicauta beetle in soybean • Foliar spray of carbandazim/Mancozab@2gm/lit • Manual weeding in greengram/blackgram • Proper drainage to avoid excess moisture or water logging. • Complete sowing of soybean before July 1st week
Soybean	Vegetative		<ul style="list-style-type: none"> • Go for nipping in soyabean with excessive vegetative growth sown in the month of April-May
<i>Jhum</i> Rice/upland rice	Tillering stage	Leaf Blast	<ul style="list-style-type: none"> • In upland rice, spraying of 1% DAP is recommended to increase the nos. of effective tillers and yields. • Carry out top dressing in upland rice of 2/3rd of recommended dose of urea. • Maintain periphery of nursery field weed free and clean to prevent disease and pest harboring in weeds.
Wetland Rice	Nursery/Transplantation	Stem borer / thrips	<ul style="list-style-type: none"> • Before transplanting, follow seedling root-dip treatment in chlorpyrifos 20 EC@ 2ml/10 lit for 12 hrs. • Before transplanting, clip off the tip of seedlings to prevent infestation. • On clear day, spray Triazophos 40 EC@4ml/lit water with sticker (@1ml/lit)
VEGETABLES			
Ginger/turmeric	Vegetative stage	Soft Rot	<ul style="list-style-type: none"> • Cultural practice like weeding/earthing up is recommended followed by basal dose of fertilizers • For management of soft rot in ginger: Need based drenching of Metalaxyl-8% + Mancozeb 64% WP @ 2.5 g per lit of water.
Summer Vegetables	Multiple stages		<ul style="list-style-type: none"> • Dust ash powder in cucurbits • Use pheromone traps/light traps against brinjal shoot and fruit borer.
FRUIT CROPS			
Large Cardamom	Flowering stage	Chirkey Disease	<ul style="list-style-type: none"> • Remove diseased part & keep inflorescence clean. • Need based spray of broad spectrum fungicide like carbendazim @2g/lit water.
Orchards	Multiple stages		<ul style="list-style-type: none"> • Prepare half moon terraces in fruit crops (orange/banana/apple/peach) grown in steep slopes to prevent nutrient loss during heavy downpour. • Follow proper drainage and earthing up practices in low land/plain areas to avoid water stagnation in fruit orchards
Banana	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.
Pineapple	Active vegetative		<ul style="list-style-type: none"> • Remove excess suckers and spray NAA@100ppm to increase fruit size and improve quality.
AGROFORESTRY			
Toko Palm and other MPTs	Seedling		<ul style="list-style-type: none"> • Transplantation of seedling in filed followed by application of basal dose of fertilizers.

			<ul style="list-style-type: none"> Suitable time for transplanting of seedlings cuttings in the fields. High time of Insect attack, apply Bordeaux mixture or lime.
LIVESTOCKS			
Livestock	Stage	Disease	Precautionary Practices to be followed
Pigs	All stages		<ul style="list-style-type: none"> Provide concentrate feed and multi-vitamins Vaccination as per the schedule with proper consultation with vet. Deworm at regular interval
Poultry	All stages		<ul style="list-style-type: none"> Provide anticoccidial drugs as preventive dose Vaccinate DOC chicks against RD/F1 on 4th day after birth & booster dose after 1 month
Fishery			<ul style="list-style-type: none"> Right time for stocking of fish fingerlings in fish tank with stocking density @1/m² Broadcast mustard Oil Cake (MOC) @5kg/day over the pond twice daily to feed fish fingerlings
Dog		Canine Parvovirus	<ul style="list-style-type: none"> Vaccinate as per consultation with vet
Cattle/Mithun		FMD	<ul style="list-style-type: none"> Vaccination is advocated Deworming with antihelmintic drugs like oxclozanide or pyrantel.
Contact Scientists (ICAR) or State Agril Staff or KVK staff for measures against adverse conditions or call at 03795-226237/226247			

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Agrometeorological Field Unit
 ICAR, BASAR

कृषि मौसम सलाहकार सेवा पत्रिका

Agro-met Advisory Bulletin

(Period: 22nd to 26th July, 2016)

ग्रामीण कृषि मौसम सेवा



GRAMIN KRISHI MAUSAM SEWA

(Integrated Agro-Meteorological Advisory Services)



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

District: Tawang

No: 59/2015-16/Fri

Dated: 22nd July, 2016



Weather summary of the previous week	Weather forecast valid up to 26 th July, 2016
Rainfall = 29.0 mm	Mostly cloudy sky with light rainfall in some places. Max Temp=26°C and Min Temp=20°C, RH=82-95%, Wind Speed=2-3 kmph, Wind direction: SSE
Warning:	Heavy to very heavy rainfall is very likely in few places on 23 rd and 24 th July

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			
Pulses/Ground nut	Vegetative stage	Cercospora Leaf spot &	<ul style="list-style-type: none">Spray azadirachtin 0.15 EC@ 1 ml/lit against Epicauta beetle in soybean

		Epicauta beetle	<ul style="list-style-type: none"> Foliar spray of carbandazim/Mancozab@2gm/lit Manual weeding in greengram/blackgram Proper drainage to avoid excess moisture or water logging. Complete earthing up before 45-50 days after sowing.
Jhum Rice/upland rice	Tillering stage	Leaf Blast	<ul style="list-style-type: none"> In upland rice, spraying of 1% DAP is recommended to increase the nos. of effective tillers and yields. Carry out top dressing in upland rice of 2/3rd of recommended dose of urea. Maintain periphery of nursery field weed free and clean to prevent disease and pest harboring in weeds.
Soybean	Vegetative		<ul style="list-style-type: none"> Go for nipping in soyabean with excessive vegetative growth sown in the month of April-May
VEGETABLES			
Summer Vegetables	Multiple stages		<ul style="list-style-type: none"> Proper scientific cultural practices to be carried out in all vegetables viz. cleaning, earthing up, weeding, proper drainage etc.
Ginger/turmeric	Vegetative stage	Soft rot	<ul style="list-style-type: none"> For management of soft rot in ginger: Need based drenching of Metalaxyl-8% + Mancozeb 64% WP @ 2.5 g per lit of water. Earthing up of ginger/turmeric along with basal application of required fertilizer should be done.
FRUIT CROPS			
Banana	Bunching & planting		<ul style="list-style-type: none"> Remove excess sucker from Banana in mother plant and give support in banana bunches to protect falling due to heavy weight or storm. Sword suckers with stout base, tapering towards the top with narrow leaves should be selected for planting at 3m x 3m spacing.
Orchards	Multiple stages		<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 Earthing-up and removal of excess suckers in Pineapple should be carried out for better plant establishment and anchorage.
LIVESTOCKS			
Livestock	Stage	Disease	Precautionary Practices to be followed
Pigs	All stages		<ul style="list-style-type: none"> Vaccination as per the schedule with proper consultation with vet. Deworm at regular interval
Poultry	All stages		<ul style="list-style-type: none"> Provide anticoccidial drugs as preventive dose Vaccinate DOC chicks against RD/F1 on 4th day after birth & booster dose after 1 months.
Fishery			<ul style="list-style-type: none"> Right time for stocking of fish fingerlings in fish tank with stocking density @1/m² Broadcast mustard Oil Cake (MOC) @5kg/day over the pond twice daily to feed fish fingerlings
Cattle/Mithun/Yak	All stages	FMD	<ul style="list-style-type: none"> Vaccination is advocated Deworming with antihelminthic drugs like oxclozanide or pyrantel
Contact Scientists (ICAR) or State Agril Staff or KVK staff for measures against adverse conditions or call at 03795-226237/226247			

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Agrometeorological Field Unit
ICAR. BASAR

कृषि मौसम सलाहकार सेवा पत्रिका

Agro-met Advisory Bulletin

(Period: 22nd to 26th July, 2016)

ग्रामीण कृषि मौसम सेवा



GRAMIN KRISHI MAUSAM SEWA

(Integrated Agro-Meteorological Advisory Services)



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

District: Tirap

No: 59/2015-16/Fri

Dated: 22nd July, 2016



Weather summary of the previous week	Weather forecast valid up to 22 nd July, 2016
Rainfall = 0.8 mm (Deomali)	Mostly cloudy weather is forecasted for next 2-3 days with possibility of light/moderate rainfall in some places. Max Temp=27°C and Min Temp=22°C, RH=70-100%, Wind Speed=2 kmph, Wind direction: WSW
Warning:	Heavy to very heavy rainfall is very likely in few places on 23rd to 24th July

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			
Wetland Rice	Nursery/ Transplantation	Stem borer / thrips	<ul style="list-style-type: none">Before transplanting, follow seedling root-dip treatment in chlorpyrifos 20 EC@ 2ml/10 lit for 12 hrs.

			<ul style="list-style-type: none">• Before transplanting, clip off the tip of seedlings to prevent infestation.• On clear day, spray Triazophos 40 EC@4ml/lit water with sticker (@1ml/lit)
Pulses/Ground nut	Vegetative stage	Cercospora Leaf spot & Epicauta beetle	<ul style="list-style-type: none">• Complete earthing up before 45-50 days after sowing.• Spray azadirachtin 0.15 EC@ 1 ml/lit against Epicauta beetle in soybean• Foliar spray of carbandazim/Mancozab@2gm/lit• Manual weeding in greengram/blackgram• Proper drainage to avoid excess moisture or water logging.
Soybean	Vegetative		<ul style="list-style-type: none">• Go for nipping in soyabean with excessive vegetative growth sown in the month of April-May
Jhum Rice/upland rice	Tillering stage		<ul style="list-style-type: none">• In upland rice, spraying of 1% DAP is recommended to increase the nos. of effective tillers and yields.• Carry out top dressing in upland rice of 2/3rd of recommended dose of urea.• Maintain periphery of nursery field weed free and clean to prevent disease and pest harboring in weeds.
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.
Ginger/turmeric	Vegetative stage	Soft Rot	<ul style="list-style-type: none">• Cultural practice like weeding/earthing up is recommended followed by basal dose of fertilizers• For management of soft rot in ginger: Need based drenching of Metalaxyl-8% + Mancozeb 64% WP @ 2.5 g per lit of water.
FRUIT CROPS			
Large Cardamom	Flowering stage	Chirkey Disease	<ul style="list-style-type: none">• Remove diseased part & keep inflorescence clean.• Need based spray of broad spectrum fungicide like carbendazim @2g/lit water.
Pineapple	Multiple stages		<ul style="list-style-type: none">• Remove excess suckers and spray NAA@100ppm to increase fruit size and improve quality.
Banana	Bunching & planting		<ul style="list-style-type: none">• 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.
AGROFORESTRY			
Toko Palm and other MPTs	Seedling		<ul style="list-style-type: none">• Transplantation of seedling in field followed by application of basal dose of fertilizers.• Suitable time for transplanting of seedlings cuttings in the fields.• High time of Insect attack, apply Bordeaux mixture or lime.
LIVESTOCKS			
Livestock	Stage	Disease	Precautionary Practices to be followed
Pigs	All stages		<ul style="list-style-type: none">• Provide concentrate feed and multi-vitamins• Vaccination as per the schedule with proper consultation with vet.• Deworm at regular interval• During scarcity of fodder provide hay/silage/feedblocks.
Poultry	All stages		<ul style="list-style-type: none">• Provide anticoccidial drugs as preventive dose• Vaccinate DOC chicks against RD/F1 on 4th day after birth

			& booster dose after 1 months..
Fishery			<ul style="list-style-type: none">• Right time for stocking of fish fingerlings in fish tank with stocking density @1/m²• Broadcast mustard Oil Cake (MOC) @5kg/day over the pond twice daily to feed fish fingerlings
Cattle	All stages	FMD	<ul style="list-style-type: none">• Vaccination is advocated• Deworming with antihelminthic drugs like oxclozanide or pyrantel.
Contact Scientists (ICAR) or State Agril Staff or KVK staff for measures against adverse conditions or call at 03795-226237/226247			

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Agrometeorological Field Unit
ICAR, BASAR

कृषि मौसम सलाहकार सेवा पत्रिका

Agro-met Advisory Bulletin

(Period: 22nd to 26th July, 2016)

ग्रामीण कृषि मौसम सेवा

GRAMIN KRISHI MAUSAM SEWA

(Integrated Agro-Meteorological Advisory Services)



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

District: Upper Siang

No: 59/2015-16/Fri

Dated: 22nd July, 2016



Weather summary of the previous week	Weather forecast valid up to 26 th July, 2016
Rainfall = Tuting: 54.8 mm	Partly cloudy weather is forecasted for next 2-3 days with possibility of light/moderate rainfall. Max Temp=28°C and Min Temp=21°C, RH=63-95%, Wind Speed=2-3 kmph, Wind direction: S
Warning:	Heavy to very heavy rainfall is very likely in few places on 23rd and 24th July

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			
Pulses/Ground nut	Vegetative stage	Cercospora Leaf spot	<ul style="list-style-type: none"> • Spray azadirachtin 0.15 EC@ 1 ml/lit against Epicauta settle in soybean • Foliar spray of carbandazim/Mancozab@2gm/lit • Manual weeding in greengram/blackgram • Proper drainage to avoid excess moisture or water logging. • Complete earthing up before 45-50 days after sowing.
Upland rice	Tillering stage	Leaf Blast	<ul style="list-style-type: none"> • In upland rice, spraying of 1% DAP is recommended to increase the nos. of effective tillers and yields. • Carry out top dressing in upland rice of 2/3rd of recommended dose of urea. • Maintain periphery of nursery field weed free and clean to prevent disease and pest harboring in weeds.
Soybean	Vegetative		<ul style="list-style-type: none"> • Go for nipping in soyabean with excessive vegetative growth sown in the month of April-May
Wetland Rice	Nursery/ Transplantation	Stem borer / thrips	<ul style="list-style-type: none"> • Before transplanting, follow seedling root-dip treatment in chlorpyrifos 20 EC@ 2ml/10 lit for 12 hrs. • Before transplanting, clip off the tip of seedlings to prevent infestation. • On clear day, spray Triazophos 40 EC@4ml/lit water with sticker (@1ml/lit)
VEGETABLES			
Ginger/turmeric	Vegetative stage	Soft Rot	<ul style="list-style-type: none"> • Cultural practice like weeding/earthing up is recommended followed by basal dose of fertilizers • For management of soft rot in ginger: Need based drenching of Metalaxyl-8% + Mancozeb 64% WP @ 2.5 g per lit of water.
Summer Vegetables	Multiple stages		<ul style="list-style-type: none"> • Dust ash powder in cucurbits • Use pheromone traps/light traps against brinjal shoot and fruit borer. • Proper scientific cultural practices to be carried out in all vegetables viz. cleaning, earthing up, weeding, proper drainage etc.
FRUIT CROPS			
Large Cardamom	Flowering stage	Chirkey Disease	<ul style="list-style-type: none"> • Remove diseased part & keep inflorescence clean. • Need based spray of broad spectrum fungicide like carbendazim @2g/lit water.
Orchards	Multiple stages		<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
Pineapple	Vegetative stage		<ul style="list-style-type: none"> • Remove excess suckers and spray NAA@100ppm to increase fruit size and improve quality.
Banana	Bunching & planting		<ul style="list-style-type: none"> • 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.
AGROFORESTRY			
Toko Palm and other MPTs	Seedling		<ul style="list-style-type: none"> • Transplantation of seedling in field followed by application of basal dose of fertilizers. • Suitable time for transplanting of seedlings cuttings in the fields. • High time of Insect attack, apply Bordeaux mixture or

			lime.
LIVESTOCKS			
Livestock	Stage	Disease	Precautionary Practices to be followed
Pigs	All stages		<ul style="list-style-type: none">• Provide concentrate feed and multi-vitamins• Vaccination as per the schedule with proper consultation with vet.• Deworm at regular interval
Poultry	All stages		<ul style="list-style-type: none">• Provide anticoccidial drugs as preventive dose• Vaccinate DOC chicks against RD/F1 on 4th day after birth & booster dose after 1 months.
Fishery			<ul style="list-style-type: none">• Right time for stocking of fish fingerlings in fish tank with stocking density @1/m²• Broadcast mustard Oil Cake (MOC) @5kg/day over the pond twice daily to feed fish fingerlings
Cattle/Mithun	All stages	FMD	<ul style="list-style-type: none">• Vaccination is advocated
Contact Scientists (ICAR) or State Agril Staff or KVK staff for measures against adverse conditions or call at 03795-226237/226247			

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Agrometeorological Field Unit
ICAR, BASAR

कृषि मौसम सलाहकार सेवा पत्रिका

Agro-met Advisory Bulletin

(Period: 22nd to 26th July, 2016)

ग्रामीण कृषि मौसम सेवा

GRAMIN KRISHI MAUSAM SEWA

(Integrated Agro-Meteorological Advisory Services)

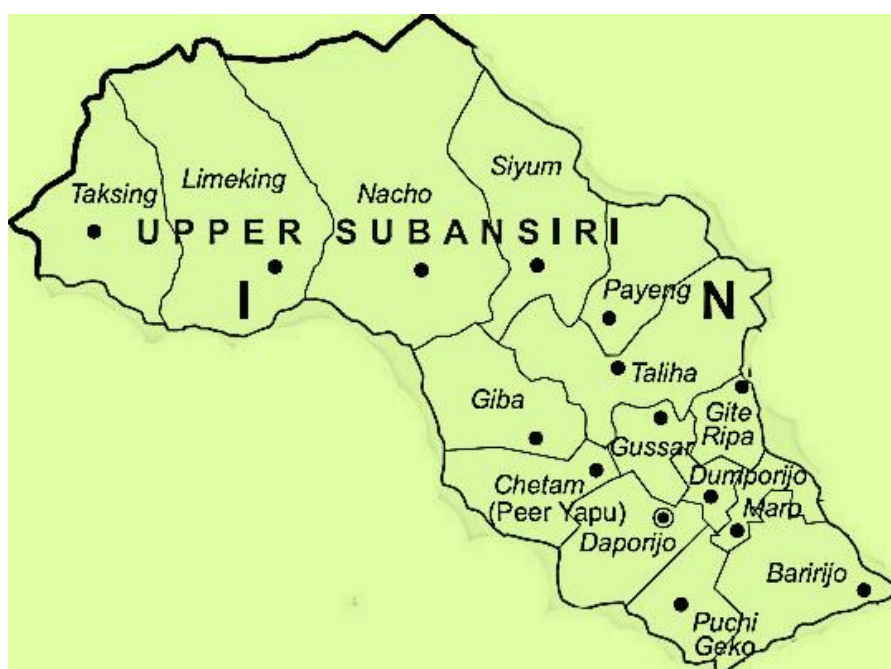


ICAR Research Complex for NEH Region
Arunachal Pradesh Centre, Basar-791101

District: Upper Subansiri

No: 59/2015-16/Fri

Dated: 22nd July, 2016



Weather summary of the previous week	Weather forecast valid up to 26 th July, 2016
Rainfall = 0.0 mm (Puchi Geko); Daporijo: 12.2 mm	NA
Warning	NIL

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			
Wetland Rice	Nursery/ Transplantation	Stem borer / thrips	<ul style="list-style-type: none">Before transplanting, follow seedling root-dip treatment in chlorpyrifos 20 EC@ 2ml/10 lit for 12 hrs.Before transplanting, clip off the tip of seedlings to prevent infestation.On clear day, spray Triazophos 40 EC@4ml/lit water with sticker (@1ml/lit)
Jhum Rice/upland rice	Tillering stage		<ul style="list-style-type: none">In upland rice, spraying of 1% DAP is recommended to increase the nos. of effective tillers and yields.Carry out top dressing in upland rice of 2/3rd of recommended dose of urea.Maintain periphery of nursery field weed free and clean to prevent disease and pest harboring in weeds.
Pulses/Ground nut	Vegetative stage	Cercospora Leaf spot	<ul style="list-style-type: none">Spray azadirachtin 0.15 EC@ 1 ml/lit against Epicauta settle in soybeanFoliar spray of carbandazim/Mancozab@2gm/litManual weeding in greengram/blackgramProper drainage to avoid excess moisture or water logging.Complete earthing up before 45-50 days after sowing.
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.
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.
Summer Vegetables	Multiple stages		<ul style="list-style-type: none">Use pheromone traps/light traps against brinjal shoot and fruit borer.Proper scientific cultural practices to be carried out in all vegetables viz. cleaning, earthing up, weeding, proper drainage etc.New nursery should be raised inside well covered structure with a raised bed to protect against continuous rain/shower.
FRUIT CROPS			
Large Cardamom	Flowering stage	Chirkey Disease	<ul style="list-style-type: none">Remove diseased part & keep inflorescence clean.Need based spray of broad spectrum fungicide like carbendazim @2g/lit water.
Orchards	Multiple stages		<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
Pineapple	Vegetative stage		<ul style="list-style-type: none">Remove excess suckers and spray NAA@100ppm to increase fruit size and improve quality.
Banana	Bunching & planting		<ul style="list-style-type: none">Desuckering of banana to be done leaving one suckers per plant to maintain the health of mother plant.Remove the male flower in banana bunches to attain better finger/fruit size.Remove excess sucker from Banana in mother plant and give support in banana bunches to protect falling due to

			<p>heavy weight or storm.</p> <ul style="list-style-type: none"> • Sword suckers with stout base, tapering towards the top with narrow leaves should be selected for planting at 3m x 3m spacing.
AGROFORESTRY			
Toko Palm and other MPTs	Seedling		<ul style="list-style-type: none"> • Transplantation of seedling in field followed by application of basal dose of fertilizers. • Suitable time for transplanting of seedlings cuttings in the fields. • High time of Insect attack, apply Bordeaux mixture or lime.
LIVESTOCKS			
Livestock	Stage	Disease	Precautionary Practices to be followed
Pigs	All stages		<ul style="list-style-type: none"> • Provide concentrate feed and multi-vitamins • Vaccination as per the schedule with proper consultation with vet. • Deworm at regular interval
Poultry	All stages		<ul style="list-style-type: none"> • Provide anticoccidial drugs as preventive dose • Vaccinate DOC chicks against RD/F1 on 4th day after birth & booster dose after 1 months.
Fishery			<ul style="list-style-type: none"> • Right time for stocking of fish fingerlings in fish tank with stocking density @1/m² • Broadcast mustard Oil Cake (MOC) @5kg/day over the pond twice daily to feed fish fingerlings • Keep the periphery of the fish grow-out tank clean
Cattle	All stages	FMD	<ul style="list-style-type: none"> • Vaccination is advocated
Contact Scientists (ICAR) or State Agril Staff or KVK staff for measures against adverse conditions or call at 03795-226237/226247			

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कृषि मौसम सलाहकार सेवा पत्रिका

Agro-met Advisory Bulletin

(Period: 22nd to 26th July, 2016)

ग्रामीण कृषि मौसम सेवा

GRAMIN KRISHI MAUSAM SEWA

(Integrated Agro-Meteorological Advisory Services)



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

District: West Kameng

No: 59/2015-16/Fri

Dated: 22nd July, 2016



Weather summary of the previous week	Weather forecast valid up to 26 th July, 2016
Rainfall = Bomdila: 0.0 mm; Bhalukpong: 68.7 mm	Mostly cloudy sky with possibility of moderate/heavy rainfall. Max Temp=29°C and Min Temp=22°C, RH=83-98%, Wind Speed=2-3 kmph, Wind direction: SSE
Warning:	Heavy to very heavy rainfall is very likely in few places on 23rd and 24th July

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

<ul style="list-style-type: none"> • 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			
Upland / Jhum Rice	Tillering stage	Leaf Blast	<ul style="list-style-type: none"> • Carry out top dressing in upland rice of 2/3rd of recommended dose of urea. • Maintain periphery of nursery field weed free and clean to prevent disease and pest harboring in weeds.
Wetland Rice	Nursery/ Transplantation	Stem borer / thrips	<ul style="list-style-type: none"> • Before transplanting, follow seedling root-dip treatment in chlorpyrifos 20 EC@ 2ml/10 lit for 12 hrs. • Before transplanting, clip off the tip of seedlings to prevent infestation. • On clear day, spray Triazophos 40 EC@4ml/lit water with sticker (@1ml/lit)
Pulses/Ground nut	Vegetative stage	Cercospora Leaf spot	<ul style="list-style-type: none"> • Complete earthing up before 45-50 days after sowing • Spray azadirachtin 0.15 EC@ 1 ml/lit against Epicauta settle in soybean • Foliar spray of carbandazim/Mancozab@2gm/lit • Manual weeding in greengram/blackgram • Proper drainage to avoid excess moisture or water logging.
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.
Ginger/turmeric	Vegetative stage	Soft Rot	<ul style="list-style-type: none"> • Cultural practice like weeding/earthing up is recommended followed by basal dose of fertilizers • For management of soft rot in ginger: Need based drenching of Metalaxyl-8% + Mancozeb 64% WP @ 2.5 g per lit of water.
Summer Vegetables	Multiple stages		<ul style="list-style-type: none"> • Dust ash powder in cucurbits. • Proper scientific cultural practices to be carried out in all vegetables viz. cleaning, earthing up, weeding, proper drainage etc. • New nursery should be raised inside well covered structure with a raised bed to protect against continuous rain/shower.
FRUIT CROPS			
Large Cardamom	Flowering stage	Chirkey Disease	<ul style="list-style-type: none"> • Remove diseased part & keep inflorescence clean. • Need based spray of broad spectrum fungicide like carbendazim @2g/lit water.
Orchards	Multiple stages		<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
Pineapple	Vegetative stage		<ul style="list-style-type: none"> • Remove excess suckers and spray NAA@100ppm to increase fruit size and improve quality.
Banana	Planting		<ul style="list-style-type: none"> • Sword suckers with stout base, tapering towards the top with narrow leaves should be selected for planting at 3m x 3m spacing.
AGROFORESTRY			
Toko Palm and other MPTs	Seedling		<ul style="list-style-type: none"> • Transplantation of seedling in field followed by application of basal dose of fertilizers. • Suitable time for transplanting of seedlings cuttings in the fields.

			<ul style="list-style-type: none">• High time of Insect attack, apply Bordeaux mixture or lime.
LIVESTOCKS			
Livestock	Stage	Disease	Precautionary Practices to be followed
Pigs	All stages		<ul style="list-style-type: none">• Provide concentrate feed and multi-vitamins• Vaccination as per the schedule with proper consultation with vet.• Deworm at regular interval
Poultry	All stages		<ul style="list-style-type: none">• Provide anticoccidial drugs as preventive dose• Vaccinate DOC chicks against RD/F1 on 4th day after birth & booster dose after 1 months.
Fishery			<ul style="list-style-type: none">• Right time for stocking of fish fingerlings in fish tank with stocking density @1/m²• Broadcast mustard Oil Cake (MOC) @5kg/day over the pond twice daily to feed fish fingerlings
Cattle	All stages	FMD	<ul style="list-style-type: none">• Vaccination is advocated
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: 22nd to 26th July, 2016)

ग्रामीण कृषि मौसम सेवा

GRAMIN KRISHI MAUSAM SEWA

(Integrated Agro-Meteorological Advisory Services)



भा.क.अनुप. - पू.प.सं.
ICAR - RCNEH

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

District: West Siang

No: 59/2015-16/Fri

Dated: 22nd July, 2016



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

Weather summary of the previous week	Weather forecast valid up to 26 th July , 2016
Rainfall = 60.7 mm. T. Max: 26.4°C, T. Min: 22.6°C, RH: 82-91%, Wind Speed: 3-4 kmph, Wind Direction: SW	Mostly cloudy sky with possibility of light/moderate rainfall. Max Temp=28°C and Min Temp=21°C, RH=74-98%, Wind Speed=2-3 kmph, Wind direction: SE
Warning:	Heavy to very heavy rainfall is very likely in few places on 23rd and 24th July

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 Rice/upland rice	Tillering stage	Leaf Blast	<ul style="list-style-type: none"> • In upland rice, spraying of 1% DAP is recommended to increase the nos. of effective tillers and yields. • Carry out top dressing in upland rice of 2/3rd of recommended dose of urea. • Maintain periphery of nursery field weed free and clean to prevent disease and pest harboring in weeds.
Wetland Rice	Nursery/Transplantation	Stem borer / thrips	<ul style="list-style-type: none"> • Before transplanting, follow seedling root-dip treatment in chlorpyrifos 20 EC@ 2ml/10 lit for 12 hrs. • Before transplanting, clip off the tip of seedlings to prevent infestation. • On clear day, spray Triazophos 40 EC@4ml/lit water with sticker (@1ml/lit)
Pulses/Ground nut	Vegetative stage	Cercospora Leaf spot & Epicauta Beetle	<ul style="list-style-type: none"> • Complete earthing up before 45-50 days after sowing • Spray azadirachtin 0.15 EC@ 1 ml/lit against Epicauta Beetle in soybean • Foliar spray of carbandazim/Mancozab@2gm/lit • Proper drainage to avoid excess moisture or water logging.
VEGETABLES			
Tomato	Fruiting		<ul style="list-style-type: none"> • Removing sideshoots is an important job which prevents the fruits being shaded by leaves.
Summer Vegetables	Multiple stages		<ul style="list-style-type: none"> • Dust ash powder in cucurbits • Proper scientific cultural practices to be carried out in all vegetables viz. cleaning, earthing up, weeding, proper drainage etc.
Ginger/turmeric	Vegetative stage	Soft rot	<ul style="list-style-type: none"> • For management of soft rot in ginger: Need based drenching of Metalaxyl-8% + Mancozeb 64% WP @ 2.5 g per lit of water • Earthing up of ginger/turmeric along with basal application of required fertilizer should be done.
FRUIT CROPS			
Large Cardamom	Flowering stage	Chirkey Disease	<ul style="list-style-type: none"> • Remove diseased part & keep inflorescence clean. • Need based spray of broad spectrum fungicide like carbendazim @2g/lit water.
Orchards	Multiple stages		<ul style="list-style-type: none"> • Prepare half moon terraces in fruit crops (orange/banana/apple/peach) grown in steep slopes to prevent nutrient loss during heavy downpour. • Follow proper drainage and earthing up practices in low land/plain areas to avoid water stagnation in fruit orchards
Banana	Bunching & planting		<ul style="list-style-type: none"> • Remove excess sucker from Banana in mother plant and give support in banana bunches to protect falling due to heavy weight or storm. • Sword suckers with stout base, tapering towards the top with narrow leaves should be selected for planting at 3m x 3m spacing.
Pineapple	Active Vegetative stage		<ul style="list-style-type: none"> • Remove excess suckers and spray NAA@100ppm to increase fruit size and improve quality.

AGROFORESTRY			
Toko Palm and other MPTs	Seedling		<ul style="list-style-type: none"> • Transplantation of seedling in filed followed by application of basal dose of fertilizers. • Suitable time for transplanting of seedlings cuttings in the fields. • High time of Insect attack, apply Bordeaux mixture or lime.
LIVESTOCKS			
Livestock	Stage	Disease	Precautionary Practices to be followed
Pigs	All stages		<ul style="list-style-type: none"> • Provide concentrate feed and multi-vitamins • Vaccination as per the schedule with proper consultation with vet. • Deworm at regular interval • During scarcity of fodder provide hay/silage/feedblocks.
Poultry	All stages		<ul style="list-style-type: none"> • Provide anticoccidial drugs as preventive dose • Vaccinate DOC chicks against RD/F1 on 4th day after birth & booster dose after 1 months.
Fishery			<ul style="list-style-type: none"> • Right time for stocking of fish fingerlings in fish tank with stocking density @1/m² • Broadcast mustard Oil Cake (MOC) @5kg/day over the pond twice daily to feed fish fingerlings • Keep the periphery of fish grow-out tank clean and weed free
Cattle/Mithun	All stages	FMD	<ul style="list-style-type: none"> • Vaccination is advocated • Deworming with antihelmintic drugs like oxclozanide or pyrantel.
Contact Scientists (ICAR) or State Agril Staff or KVK staff for measures against adverse conditions or call at 03795-226237/226247			

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