

कृषि मौसम सलाहकार सेवा पत्रिका

Agro-met Advisory Bulletin

(Period: 6th to 8th June, 2018)

No: AMFU-Basar/2018/45

Dated: Tue, 5th June, 2018

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

Advisory for district: Anjaw



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

Weather summary of the previous week	Weather forecast valid up to 10 th June 2018
No weather summary available	Mostly cloudy with possibility of moderate 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 92-97% and 41-49% respectively. Wind direction is mainly NE & SE with average wind speed range of 5-6 kmph.
Warning:	• Nil

GENERAL RECOMMENDATIONS

- Spray operations may be done only during clear dry days or using proper sticker
- Manual weeding may be done
- Proper drainage to all crop to avoid runoff
- Check for vaccination schedule of livestock/poultry

DETAILS OF ADVISORIES FOR THE PERIOD

Crop	Stage	Pest/Disease	Precautionary Practices to be followed
FIELD CROPS			
Jhum rice	Leaf elongation	Leaf blast/ leaf spot/ Yellow stem borer	<ul style="list-style-type: none"> • On clear/sunny days, spray carbendazim @2g/lit water in jhum field to control infestation of leaf blast & leaf spot. • Collection of egg masses (Yellow cottony mass) is advised. • On anticipation of rain, provide proper drainage • Follow proper runoff management system to avoid loss of top soil due to heavy rainfall. • Keep the surrounding clean/ weed free to avoid disease/pest harboring • Manual weeding advocated during clear dry days.

Rice	Transplantation / leaf elongation	Stem borer	<ul style="list-style-type: none"> • On anticipation of rain, provide proper drainage to the nursery/main field to avoid runoff • Rice: Weed free & clean nursery periphery to prevent disease/pest harboring. • Cut the tips of the leaves before transplanting reduces the population of stem borer as the eggs are laid on that site. It will reduce the carryover of the infestation to the main field.
Pea	Maturity	Powdery mildew/ leaf eating insects	<ul style="list-style-type: none"> ❖ Green pods can be harvested during sunny days ❖ Provide adequate drainage and avoid water stagnation near the base of the plants. ❖ Need based foliar spray of Dinocap (0.2%) or Carbendazim 50WP (0.1%) or Propiconazole (0.1%) using sticker if the infestation is high.
Toria/ Mustard	Harvesting	Aphids	<ul style="list-style-type: none"> ❖ Harvest during clear/dry days ❖ Provide adequate drainage ❖ If the infestation is high, Spray Dimethoate 30EC @2ml/litre against aphids in Rapeseed/Mustard using sticker or during clear/dry days.
VEGETABLES			
Vegetables	Vegetative	Leaf eating insects	<ul style="list-style-type: none"> ❖ Monitor for possible insect/pest attack ❖ During clear dry days or using stickers, foliar spray of Azadirachtin 0.15% EC 2@ 6ml/lit against leaf eating insects. ❖ Provide adequate drainage
HORTICULTURAL CROPS			
Peach	Fruit maturing	Fruit Fly	<ul style="list-style-type: none"> ❖ Install fruit fly pheromone traps, ❖ Collect and dispose off the fallen fruits. ❖ Clean basin,
Apple	Fruiting	Fruit drop / wooly aphids	<ul style="list-style-type: none"> ❖ Spray 2,4,5-T @ 20ppm or 2,4,5-TCPA @ 15ppm to inhibit fruit drop ❖ Application of paradichlorobenzene at 2 meter away from the trunk is advised against wooly aphids during clear/dry days
Kiwi	Flowering	Leaf eating beetle	<ul style="list-style-type: none"> ❖ Kiwi fruit vine should be covered with 50% shade net to protect flowers from heavy rain and hail storm. ❖ Hand collection of the insects and its destruction, ❖ Make proper drainage facility in the crop area
Citrus	Flowering	Fruit drop/ Phytophthora	<ul style="list-style-type: none"> • Foliar application of micronutrient/multiplex @ 0.2% should be done to prevent flower drop • During clear dry days, apply Bordeaux paste on the tree trunk upto the height of 24 inches by brush. • During clear dry days or using stickers during rain, spraying and drenching with metalaxyl MZ-72 @ 2.75 g/lit water on the tree against Phytophthora. • Prepare half moon terraces for fruit crops (orange/banana/apple/peach) in steep slopes to prevent nutrient loss due to rain.
Ginger/ Turmeric	Germination/ Vegetative		<ul style="list-style-type: none"> ❖ Mulching ginger beds with locally available leaves/materials is advocated to enhance germination, prevent washing off during heavy rainfall, add organic matter to the soil & conserve moisture during dry seasons. ❖ Proper drainage to avoid water stagnation
Banana	Bunching	Cold	<ul style="list-style-type: none"> ❖ Cover newly emerged bunches with locally available sack to protect from cold/frost
Large cardamom	Sowing		<ul style="list-style-type: none"> ❖ Sowing in primary nursery bed at 2cm depth & 10cm apart with mulching & regular irrigation. ❖ Applications of well decomposed cattle manure/compost @5kg/plant during clear/dry days.
LIVESTOCKS			
Livestock	Stage	Disease	❖ Precautionary Practices to be followed
Pigs	All stages	FMD (high fever and appearance of mucous	❖ Food waste or garbage fed to swine must be cooked and sterilized properly. Cooking the different raw materials together is advocated to improve digestibility and to

		membrane of the mouth and foot.) Swine Fever	break- down toxins from some feeds. <ul style="list-style-type: none"> ❖ Avoid dampness and cover weak and sick animals with sack cloth. ❖ The bedding is always dry and that there is plenty. ❖ Right time to deworm with anti helmetic drugs (particularly Tapeworms) viz. Fento Plus @ 1 tablet per 30 kg body weight.
Poultry	All stages		<ul style="list-style-type: none"> ❖ Provide shelter to the backyard/scavenging poultry. Feed grains in the morning/evening to supplement scavenging. ❖ Avoid rearing day old chicks
Fishery			<ul style="list-style-type: none"> ❖ To avoid water turbidity, use grass turfing or horticultural crop at embankment/dyke of the earthen fish pond. ❖ 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"> ❖ Deworming using antihelmintic drugs like Oxyclozanide/ Pyrantel. ❖ Right time to deworm with anti helmetic drugs (particularly Tapeworms) viz. Fento Plus @ 1 tablet per 30 kg body weight. ❖ Provide proper bedding materials especially to new-born and lukewarm food & water ❖ Provide feed supplements
Mithun		FMD	<ul style="list-style-type: none"> ❖ Polyvalent FMD vaccine with serotype O, A and Asia at 6 months of age and repeat after that 6 months interval by sub-cutaneous route. Pregnant animals above 7 months of pregnancy should be avoided from vaccination.
Contact Scientists (ICAR) or State Agril Staff or KVK staff for measures against adverse conditions or call at 03795-226237/226247			

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



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

Advisory for district: Changlang



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

Weather summary of the previous week	Weather forecast valid up to 10 th June 2018
Rainfall = Changlang: NA Miao: 3.6 mm	Mostly/partly cloudy with possibility of moderate rain. Daily maximum and minimum temperature for the following period is predicted to be 32-33°C and 23-25°C respectively. Expected morning and evening relative humidity will be 70-91% and 36-40% respectively. Wind direction is mainly ESE with speed range of 3-6 kmph.
Warning	• Nil

GENERAL RECOMMENDATIONS

- Spray operations may be done only during clear dry days or using proper sticker
- Manual weeding may be done
- Proper drainage to all crop to avoid runoff
- Check for vaccination schedule of livestock/poultry

DETAILS OF ADVISORIES FOR THE PERIOD

Crop	Stage	Pest/Disease	Precautionary Practices to be followed
FIELD CROPS			
Jhum rice	Rooting/ Leaf elongation	Leaf blast/ leaf spot	<ul style="list-style-type: none"> • On clear/sunny days, spray carbendazim @2g/lit water in jhum field to control heavy infestation of leaf blast & leaf spot. • Provide proper drainage and soil conservation measures like mulching with locally available materials. • Keep the periphery clean • Avoid application of fertilizer and insecticides/pesticides

			<ul style="list-style-type: none"> • Manual weeding may be done during dry days
Rice (Early sown)	Leaf Elongation/ Tillering	Stem borer	<ul style="list-style-type: none"> • Rice: Weed free & clean nursery periphery to prevent disease/pest harboring. • Rice: Spray Triazophos 40EC @ 4 ml/lit against stem borer in rice nursery as well as in main field.
<i>WRC-RICE</i> (Normal sown)	Nursery		<ul style="list-style-type: none"> ❖ Sowing of quality seeds in prepared nursery, ❖ Before sowing, treat seeds with solution of Carbandazim 50WP @ 1 grams in one litre of water per kilogram of seeds.
Maize	Pod formation	Soybean looper	<ul style="list-style-type: none"> ❖ Provide proper drainage ❖ Spray Azadirachtin 0.15% EC 2@ 6ml/lit against Soybean looper during clear dry days. ❖ Monitor the crop against attack of insect pests,
VEGETABLES			
Vegetables	Vegetative	Leaf eating insects	<ul style="list-style-type: none"> ❖ Monitor for possible insect/pest attack ❖ During clear dry days or using stickers, foliar spray of Azadirachtin 0.15% EC 2@ 6ml/lit against leaf eating insects. ❖ Provide adequate drainage
Cucurbits	Flowering/ Fruiting	Leaf eating insects	<ul style="list-style-type: none"> ❖ Monitor for possible attack of insect/pests ❖ During clear dry days or using stickers, foliar spray of Azadirachtin 0.15% EC 2@ 6ml/lit against leaf eating insects. ❖ Cover the base of crop with locally available mulches to avoid exposure to erosion.,
HORTICULTURAL CROPS			
Banana	All stages	Scary beetles	<ul style="list-style-type: none"> ❖ Apply Malathion dust 5D inside the whorl of the plant, ❖ Planting of new saplings may be done in present weather
Ginger/ Turmeric	Germination/ Vegetative		<ul style="list-style-type: none"> ❖ Mulching ginger beds with locally available leaves/materials is advocated to enhance germination, prevent washing off during heavy rainfall, add organic matter to the soil & conserve moisture during dry seasons. ❖ Proper drainage to avoid water stagnation ❖ Manual weeding during clear/dry days
Citrus	Flowering	Phytophthora	<ul style="list-style-type: none"> • During clear dry days, apply Bordeaux paste on the tree trunk upto the height of 24 inches by brush. • During clear dry days or using stickers during rain, spraying and drenching with metalaxyl MZ-72 @ 2.75 g/lit water on the tree against Phytophthora. • Prepare half moon terraces for fruit crops (orange/banana/apple/peach) in steep slopes to prevent nutrient loss due to rain.
Guava	Flowering fruiting		<ul style="list-style-type: none"> ❖ Avoid water logging in the basin, ❖ Basin cleaning in half moon system is advised,
Large cardamom	Sowing		<ul style="list-style-type: none"> ❖ Sowing in primary nursery bed at 2cm depth & 10cm apart with mulching & regular irrigation. ❖ Applications of well decomposed cattle manure/compost @5kg/plant during clear/dry days.
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"> ❖ To avoid water turbidity, use grass turfing or horticultural crop at embankment/dyke of the earthen fish pond. ❖ Broadcast mustard Oil Cake (MOC) @5kg/day over the pond twice daily to feed fish fingerlings.
Pigs	All stages	FMD (high fever and appearance of mucous membrane of the mouth and foot.) Swine Fever	<ul style="list-style-type: none"> ❖ Food waste or garbage fed to swine must be cooked and sterilized properly. Cooking the different raw materials together is advocated to improve digestibility and to break- down toxins from some feeds. ❖ Avoid dampness and cover weak and sick animals with sack cloth.

			<ul style="list-style-type: none">❖ The bedding is always dry and that there is plenty.❖ Right time to deworm with anti helmetic drugs (particularly Tapeworms) viz. Fento Plus @ 1 tablet per 30 kg body weight.
Poultry	All stages		<ul style="list-style-type: none">❖ Provide shelter to the backyard/scavenging poultry.❖ Feed grains in the morning/evening to supplement scavenging.
Goat	All stages		<ul style="list-style-type: none">❖ Deworming for gastrointestinal parasite
Cattle	All stages	FMD	<ul style="list-style-type: none">❖ Right time to deworm with anti helmetic drugs (particularly Tapeworms) viz. Fento Plus @ 1 tablet per 30 kg body weight.❖ Provide proper bedding materials especially to new-born and lukewarm food & water❖ Provide feed supplements
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

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



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

Advisory for district: Upper Dibang Valley



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

Weather summary of the previous week	Weather forecast valid up to 10 th June 2018
Rainfall = NA (Anini)	Mostly cloudy with possibility of moderate rainfall. Daily maximum and minimum temperature for the following period is predicted to be 25-26°C and 17-18°C respectively. Expected morning and evening relative humidity will be 94-98% and 45-53% respectively. Wind direction is mainly S with speed range of 4-5 kmph.
Warning:	• Nil

GENERAL RECOMMENDATIONS

On anticipation of heavy rainfall:

- Suspend all spray operations
- Do not go for fertilizer/manure applications
- Proper drainage to all crop to avoid runoff

DETAILS OF ADVISORIES FOR THE PERIOD

Crop	Stage	Pest/Disease	Precautionary Practices to be followed
FIELD CROPS			
WRC-RICE (Mipun)	Nursery		<ul style="list-style-type: none"> ❖ Sowing of quality seeds in prepared nursery, ❖ Before sowing, treat seeds with solution of Carbandazim 50WP @ 1 grams in one litre of water per kilogram of seeds.
Rice (Early sown)	Leaf elongation	Stem borer	<ul style="list-style-type: none"> • On anticipation of rain, provide proper drainage to the nursery/main field to avoid runoff • Rice: Weed free & clean nursery periphery to prevent disease/pest harboring.

Jhum rice	Leaf elongation	Leaf blast/ leaf spot/ Yellow stem borer	<ul style="list-style-type: none">• On clear/sunny days, spray carbendazim @2g/lit water in <i>jhum</i> field to control infestation of leaf blast & leaf spot.• Collection of egg masses (Yellow cottony mass) is advised.• On anticipation of rain, provide proper drainage• Follow proper runoff management system to avoid loss of top soil due to heavy rainfall.• Keep the surrounding clean/ weed free to avoid disease/pest harboring• Manual weeding advocated during clear dry days.
Pea	Maturity	Powdery mildew/ leaf eating insects	<ul style="list-style-type: none">❖ Green pods can be harvested during sunny days❖ Provide adequate drainage and avoid water stagnation near the base of the plants.❖ Need based foliar spray of Dinocap (0.2%) or Carbendazim 50WP (0.1%) or Propiconazole (0.1%) using sticker if the infestation is high.
Toria/ Mustard	Harvesting	Aphids	<ul style="list-style-type: none">❖ Harvest during clear/dry days❖ Provide adequate drainage❖ If the infestation is high, Spray Dimethoate 30EC @2ml/litre against aphids in Rapeseed/Mustard using sticker or during clear/dry days.
VEGETABLES			
Vegetables	Vegetative	Leaf eating insects	<ul style="list-style-type: none">❖ Monitor for possible insect/pest attack❖ During clear dry days or using stickers, foliar spray of Azadirachtin 0.15% EC 2@ 6ml/lit against leaf eating insects.❖ Provide adequate drainage
HORTICULTURAL CROPS			
Apple	Fruiting	Fruit drop / wooly aphids	<ul style="list-style-type: none">❖ Spray 2,4,5-T @ 20ppm or 2,4,5-TCPA @ 15ppm to inhibit fruit drop❖ Application of paradichlorobenzene at 2 meter away from the trunk is advised against wooly aphids during clear/dry days
Kiwi	Flowering	Leaf eating beetle	<ul style="list-style-type: none">❖ Kiwi fruit vine should be covered with 50% shade net to protect flowers from heavy rain and hail storm.❖ Hand collection of the insects and its destruction,❖ Make proper drainage facility in the crop area
Ginger/ Turmeric	Germination/ Vegetative		<ul style="list-style-type: none">❖ Mulching ginger beds with locally available leaves/materials is advocated to enhance germination, prevent washing off during heavy rainfall, add organic matter to the soil & conserve moisture during dry seasons.❖ Proper drainage to avoid water stagnation
Citrus	Flowering	Fruit drop/ Phytophthora	<ul style="list-style-type: none">• Foliar application of micronutrient/multiplex @ 0.2% should be done to prevent flower drop• During clear dry days, apply Bordeaux paste on the tree trunk upto the height of 24 inches by brush.• During clear dry days or using stickers during rain, spraying and drenching with metalaxyl MZ-72 @ 2.75 g/lit water on the tree against Phytophthora.• Prepare half moon terraces for fruit crops (orange/banana/apple/peach) in steep slopes to prevent nutrient loss due to rain.
Peach	Fruit maturing	Fruit Fly	<ul style="list-style-type: none">❖ Install fruit fly pheromone traps,❖ Collect and dispose off the fallen fruits.❖ Clean basin,
Large cardamom	Sowing		<ul style="list-style-type: none">❖ Sowing in primary nursery bed at 2cm depth & 10cm apart with mulching & regular irrigation.
Honey Bees			
Honey bees			<ul style="list-style-type: none">❖ Cover the boxes with locally available dry grass or straw to provide warmth❖ Provide sugar syrup in a bowl in front of the box in case of heavy rainfall
LIVESTOCKS			

Livestock	Stage	Disease	Precautionary Practices to be followed
Fishery			❖ To avoid water turbidity, use grass turfing or horticultural crop at embankment/dyke of the earthen fish pond. ❖ Broadcast mustard Oil Cake (MOC) @5kg/day over the pond twice daily to feed fish fingerlings.
Pigs	All stages	FMD (high fever and appearance of mucous membrane of the mouth and foot.) Swine Fever	❖ Food waste or garbage fed to swine must be cooked and sterilized properly. Cooking the different raw materials together is advocated to improve digestibility and to break- down toxins from some feeds. ❖ Avoid dampness and cover weak and sick animals with sack cloth. ❖ The bedding is always dry and that there is plenty. ❖ Right time to deworm with anti helmetic drugs (particularly Tapeworms) viz. Fento Plus @ 1 tablet per 30 kg body weight.
Poultry	All stages		❖ Provide shelter to the backyard/scavenging poultry. Feed grains in the morning/evening to supplement scavenging. ❖ Inclusion of turmeric powder @ 10g/kg feed for prevention of coccidiosis.
Cattle	All stages	FMD	❖ Right time to deworm with anti helmetic drugs (particularly Tapeworms) viz. Fento Plus @ 1 tablet per 30 kg body weight. ❖ Supportive treatment of infected animals under supervision of veterinary department officials, ❖ Avoid mixing of infected and healthy animals, ❖ Keep infected animals separated from the healthy ones, ❖ Vaccinate the healthy animals against FMD (Through State Veterinary Dept.) ❖ Provide feed supplements
Mithun		FMD	❖ Polyvalent FMD vaccine with serotype O, A and Asia at 6 months of age and repeat after that 6 months interval by sub-cutaneous route. ❖ Pregnant animals above 7 months of pregnancy should be avoided.
Contact Scientists (ICAR) or State Agril Staff or KVK staff for measures against adverse conditions or call at 03795-226237/226247			

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Agrometeorological Field Unit
ICAR, BASAR

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(Integrated Agro-Meteorological Advisory Services)



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

Advisory for district: East Kameng



Weather summary of the previous week	Weather forecast valid up to 10 th June 2018
Rainfall = 8.2 mm	Partly/mostly cloudy with possibility moderate rain. Daily maximum and minimum temperature for the following period is predicted to be 20-30°C and 21-22°C respectively. Expected morning and evening relative humidity will be 83-89% and 41-51% respectively. Expected wind direction is mainly SE & SSE with speed range of 3-5 kmph.
Warning:	•

GENERAL RECOMMENDATIONS

- Spray operations may be done only during clear dry days or using proper sticker
- Manual weeding may be done
- On anticipation of rain, avoid application of fertilizer/manure
- Proper drainage to all crop to avoid runoff
- Check for vaccination schedule of livestock/poultry

DETAILS OF ADVISORIES FOR THE PERIOD

Crop	Stage	Pest/Disease	Precautionary Practices to be followed
FIELD CROPS			
Jhum rice	Rooting/ Leaf elongation	Leaf blast/ leaf spot	<ul style="list-style-type: none"> • On clear/sunny days, spray carbendazim @2g/lit water in <i>jhum</i> field to control heavy infestation of leaf blast & leaf spot. • Provide proper drainage and soil conservation measures like mulching with locally available materials. • Keep the periphery clean • Avoid application of fertilizer and insecticides/pesticides

			<ul style="list-style-type: none"> • Manual weeding may be done during dry days
Maize	Pod formation	Soybean looper	<ul style="list-style-type: none"> ❖ Provide proper drainage ❖ Spray Azadirachtin 0.15% EC 2@ 6ml/lit ❖ Monitor the crop against attack of insect pests,
Rice	Transplantation/ leaf elongation	Stem borer	<ul style="list-style-type: none"> • Rice: Weed free & clean nursery periphery to prevent disease/pest harboring. • Rice: Spray Triazophos 40EC @ 4 ml/lit against stem borer in rice nursery as well as in main field. • Cut the tips of the leaves before transplanting reduces the population of stem borer as the eggs are laid on that site. It will reduce the carryover of the infestation to the main field.
❖ VEGETABLES			
Vegetables	Vegetative	Leaf eating insects	<ul style="list-style-type: none"> ❖ Monitor for possible insect/pest attack ❖ During clear dry days or using stickers, foliar spray of Azadirachtin 0.15% EC 2@ 6ml/lit against leaf eating insects. ❖ Provide adequate drainage
Cucurbits	Flowering/ Fruiting	Leaf eating insects	<ul style="list-style-type: none"> ❖ Monitor for possible attack of insect/pests ❖ During clear dry days or using stickers, foliar spray of Azadirachtin 0.15% EC 2@ 6ml/lit against leaf eating insects. ❖ Cover the base of crop with locally available mulches to avoid exposure to erosion.,
HORTICULTURAL CROPS			
Ginger/ Turmeric	Germination/ Vegetative		<ul style="list-style-type: none"> ❖ Mulching ginger beds with locally available leaves/materials is advocated to enhance germination, prevent washing off during heavy rainfall, add organic matter to the soil & conserve moisture during dry seasons. ❖ Proper drainage to avoid water stagnation
Citrus	Flowering	Bark eating caterpillar	<ul style="list-style-type: none"> • Prepare half moon terraces for fruit crops (orange/banana/apple/peach) in steep slopes to prevent nutrient loss due to rain.
Banana	Bunching	Cold	<ul style="list-style-type: none"> ❖ Cover newly emerged bunches with locally available sack to protect from cold/frost ❖ Mulching with straw/crop residue at root zone to avoid frost injury in banana.
Large Cardamom	Vegetative/ flowering stage		<ul style="list-style-type: none"> ❖ Provide proper drainage to avoid water stagnation in the base of the plants.
LIVESTOCKS			
Livestock	Stage	Disease	❖ Precautionary Practices to be followed
❖ General <ul style="list-style-type: none"> ❖ Damaged grain (not fungus contaminated) to be diverted for Poultry/livestock feeding ❖ Clean drinking water should be ensured round the clock and water troughs/feeders should be regularly cleaned, 			
Pigs	All stages	FMD (high fever and appearance of mucous membrane of the mouth and foot.) Swine Fever	<ul style="list-style-type: none"> ❖ Food waste or garbage fed to swine must be cooked and sterilized properly. Cooking the different raw materials together is advocated to improve digestibility and to break- down toxins from some feeds. ❖ Avoid dampness and cover weak and sick animals with sack cloth. ❖ The bedding is always dry and that there is plenty. ❖ Right time to deworm with anti helmetic drugs (particularly Tapeworms) viz. Fento Plus @ 1 tablet per 30 kg body weight.
Pigs	All stages		<ul style="list-style-type: none"> ❖ Avoid dampness and cover weak and sick animals with sack cloth. ❖ Right time to deworm with anti helmetic drugs (particularly Tapeworms) viz. Fento Plus @ 1 tablet per 30 kg body weight.
Goat	All stages		<ul style="list-style-type: none"> ❖ Deworming for gastrointestinal parasite
Fishery			<ul style="list-style-type: none"> ❖ To avoid water turbidity, use grass turfing or horticultural crop at embankment/dyke of the earthen fish pond. ❖ 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">❖ Right time to deworm with anti helmetic drugs (particularly Tapeworms) viz. Fento Plus @ 1 tablet per 30 kg body weight.❖ Provide proper bedding materials especially to new-born and lukewarm food & water❖ Provide feed supplements
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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(Integrated Agro-Meteorological Advisory Services)



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

Advisory for district: East Siang



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

Weather summary of the previous week	Weather forecast valid up to 10 th June 2018
Rainfall: 4.8 mm; T. Max: 35.0°C; T. Min: 23.8°C ; RH: 73-80%	Mostly cloudy with possibility of light/moderate rainfall. Daily maximum and minimum temperature for the following period is predicted to be 32-33°C and 23-25°C respectively. Expected morning and evening relative humidity will be 82-88% and 43-47% respectively. Expected wind direction is mainly W & S with speed range of 2-5 kmph.
Warning:	<ul style="list-style-type: none"> Nil

Weather Based Agro-meteorological Advisories Bulletin

GENERAL RECOMMENDATIONS

On anticipation of rainfall:

- Suspend all spray operations
- Do not go for fertilizer/manure applications
- Proper drainage to all crop to avoid runoff

Crop	Stage	Pest/Disease	Precautionary Practices to be followed
FIELD CROPS			
WRC-RICE (Mipun)(normal sown)	Nursery		<ul style="list-style-type: none"> Sowing of quality seeds in prepared nursery, Before sowing, treat seeds with solution of Carbandazim 50WP @ 1 grams in one litre of water per kilogram of seeds.
Rice	Leaf Elongation/ Tillering	Stem borer	<ul style="list-style-type: none"> Rice: Weed free & clean nursery periphery to prevent disease/pest harboring. Rice: Spray Triazophos 40EC @ 4 ml/lit against stem borer in

			rice nursery as well as in main field.
<i>Jhum</i> rice	Rooting/ Leaf elongation	Leaf blast/ leaf spot	<ul style="list-style-type: none"> On clear/sunny days, spray carbendazim @2g/lit water in <i>jhum</i> field to control heavy infestation of leaf blast & leaf spot. Provide proper drainage and soil conservation measures like mulching with locally available materials. Keep the periphery clean Avoid application of fertilizer and insecticides/pesticides Manual weeding may be done during dry days
Maize	Pod formation	Soybean looper	❖ Provide proper drainage ❖ Spray Azadirachtin 0.15% EC 2@ 6ml/lit ❖ Monitor the crop against attack of insect pests,
VEGETABLES			
Vegetables	Vegetative	Leaf eating insects	❖ Monitor for possible insect/pest attack ❖ During clear dry days or using stickers, foliar spray of Azadirachtin 0.15% EC 2@ 6ml/lit against leaf eating insects. ❖ Provide adequate drainage
Cucurbits	Flowering/ Fruiting	Leaf eating insects	❖ Monitor for possible attack of insect/pests ❖ During clear dry days or using stickers, foliar spray of Azadirachtin 0.15% EC 2@ 6ml/lit against leaf eating insects. ❖ Cover the base of crop with locally available mulches to avoid exposure to erosion,.
HORTICULTURAL CROPS			
Apple	Fruiting	Fruit drop / wooly aphids	❖ Spray 2,4,5-T @ 20ppm or 2,4,5-TCPA @ 15ppm to inhibit fruit drop ❖ Application of paradichlorobenzene at 2 meter away from the trunk is advised against wooly aphids during clear/dry days
Kiwi	Flowering	Leaf eating beetle	❖ Kiwi fruit vine should be covered with 50% shade net to protect flowers from heavy rain and hail storm. ❖ Hand collection of the insects and its destruction, ❖ Make proper drainage facility in the crop area
Banana	All stages	Scary beetles	❖ Apply Malathion dust 5D inside the whorl of the plant, ❖ Planting of new saplings may be done in present weather
Citrus	Flowering	Phytophthora	<ul style="list-style-type: none"> During clear dry days, apply Bordeaux paste on the tree trunk upto the height of 24 inches by brush. During clear dry days or using stickers during rain, spraying and drenching with metalaxyl MZ-72 @ 2.75 g/lit water on the tree against Phytophthora. Prepare half moon terraces for fruit crops (orange/banana/apple/peach) in steep slopes to prevent nutrient loss due to rain.
Guava	Flowering		❖ Avoid water logging in the basin, ❖ Basin cleaning in half moon system is advised,
Ginger/ Turmeric	Germination/ Vegetative		❖ Mulching ginger beds with locally available leaves/materials is advocated to enhance germination, prevent washing off during heavy rainfall, add organic matter to the soil & conserve moisture during dry seasons. ❖ Proper drainage to avoid water stagnation
Large cardamom	Sowing		❖ Sowing in primary nursery bed at 2cm depth & 10cm apart with mulching & regular irrigation. ❖ Applications of well decomposed cattle manure/compost @5kg/plant during clear/dry days.
Honey Bees			
Honey bees			❖ Cover the boxes with locally available dry grass or straw to provide warmth
LIVESTOCKS			
Livestock	Stage	Disease	❖ Precautionary Practices to be followed
Fishery			❖ To avoid water turbidity, use grass turfing or horticultural crop at embankment/dyke of the earthen fish pond.

			❖ Broadcast mustard Oil Cake (MOC) @5kg/day over the pond twice daily to feed fish fingerlings.
Pigs	All stages	FMD (high fever and appearance of mucous membrane of the mouth and foot.) Swine Fever	❖ Food waste or garbage fed to swine must be cooked and sterilized properly. Cooking the different raw materials together is advocated to improve digestibility and to break- down toxins from some feeds. ❖ Avoid dampness and cover weak and sick animals with sack cloth. ❖ The bedding is always dry and that there is plenty. ❖ Right time to deworm with anti helmetic drugs (particularly Tapeworms) viz. Fento Plus @ 1 tablet per 30 kg body weight.
Poultry	All stages		❖ Provide shelter to the backyard/scavenging poultry. Feed grains in the morning/evening to supplement scavenging. ❖ Day old chick-Maintain warmth by lighting, ❖ Inclusion of turmeric powder @ 10g/kg feed for prevention of coccidiosis.
Goat	All stages		❖ Deworming for gastrointestinal parasite
Cattle	All stages	FMD	❖ Right time to deworm with anti helmetic drugs (particularly Tapeworms) viz. Fento Plus @ 1 tablet per 30 kg body weight. ❖ Provide proper bedding materials especially to new-born and lukewarm food & water ❖ Provide feed supplements
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: 6th to 8th June, 2018)

No: AMFU-Basar/2018/45

Dated: Tue, 5th June, 2018

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

Advisory for district: Kurung Kumey



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

Weather summary of the previous week	Weather forecast valid up to 10 th June 2018
Rainfall (Koloriang): 5.8 mm	Mostly cloudy with possibility of moderate rain. Daily maximum and minimum temperature for the following period is predicted to be 25-26°C and 17-18°C respectively. Expected morning and evening relative humidity will be 85-91% and 48-61% respectively. Wind direction is mainly SE & SSE with wind speed range of 3-4 kmph.
Warning	• Nil

GENERAL RECOMMENDATIONS

On anticipation of heavy rainfall:

- Suspend all spray operations
- Do not go for fertilizer/manure applications
- Proper drainage to all crop to avoid runoff

DETAILS OF ADVISORIES FOR THE PERIOD

Crop	Stage	Pest/Disease	Precautionary Practices to be followed
FIELD CROPS			
Jhum rice	Leaf elongation	Leaf blast/ leaf spot/ Yellow stem borer	<ul style="list-style-type: none"> • On clear/sunny days, spray carbendazim @2g/lit water in jhum field to control infestation of leaf blast & leaf spot. • Collection of egg masses (Yellow cottony mass) is advised. • On anticipation of rain, provide proper drainage • Follow proper runoff management system to avoid loss of top soil due to heavy rainfall. • Keep the surrounding clean/ weed free to avoid disease/pest harboring

			<ul style="list-style-type: none"> Manual weeding advocated during clear dry days.
Rice	Transplantation / leaf elongation	Stem borer	<ul style="list-style-type: none"> On anticipation of rain, provide proper drainage to the nursery/main field to avoid runoff Rice: Weed free & clean nursery periphery to prevent disease/pest harboring. Cut the tips of the leaves before transplanting reduces the population of stem borer as the eggs are laid on that site. It will reduce the carryover of the infestation to the main field.
Pea	Maturity	Powdery mildew/ leaf eating insects	<ul style="list-style-type: none"> ❖ Green pods can be harvested during sunny days ❖ Provide adequate drainage and avoid water stagnation near the base of the plants. ❖ Need based foliar spray of Dinocap (0.2%) or Carbendazim 50WP (0.1%) or Propiconazole (0.1%) using sticker if the infestation is high.
VEGETABLES			
Vegetables	Vegetative	Leaf eating insects	<ul style="list-style-type: none"> ❖ Monitor for possible insect/pest attack ❖ During clear dry days or using stickers, foliar spray of Azadirachtin 0.15% EC 2@ 6ml/lit against leaf eating insects. ❖ Provide adequate drainage
Cucurbits	Flowering/ Fruiting	Leaf eating insects	<ul style="list-style-type: none"> ❖ Monitor for possible attack of insect/pests ❖ During clear dry days or using stickers, foliar spray of Azadirachtin 0.15% EC 2@ 6ml/lit against leaf eating insects. ❖ Cover the base of crop with locally available mulches to avoid exposure to erosion,.
HORTICULTURAL CROPS			
Citrus	Flowering	Fruit drop/ Phytophthora	<ul style="list-style-type: none"> Foliar application of micronutrient/multiplex @ 0.2% should be done to prevent flower drop During clear dry days, apply Bordeaux paste on the tree trunk upto the height of 24 inches by brush. During clear dry days or using stickers during rain, spraying and drenching with metalaxyl MZ-72 @ 2.75 g/lit water on the tree against Phytophthora. Prepare half moon terraces for fruit crops (orange/banana/apple/peach) in steep slopes to prevent nutrient loss due to rain.
Apple	Fruiting	Fruit drop / wooly aphids	<ul style="list-style-type: none"> ❖ Spray 2,4,5-T @ 20ppm or 2,4,5-TCPA @ 15ppm to inhibit fruit drop ❖ Application of paradichlorobenzene at 2 meter away from the trunk is advised against wooly aphids during clear/dry days
Kiwi	Flowering	Leaf eating beetle	<ul style="list-style-type: none"> ❖ Kiwi fruit vine should be covered with 50% shade net to protect flowers from heavy rain and hail storm. ❖ Hand collection of the insects and its destruction, ❖ Make proper drainage facility in the crop area
Peach	Fruit maturing	Fruit Fly	<ul style="list-style-type: none"> ❖ Install fruit fly pheromone traps, ❖ Collect and dispose off the fallen fruits. ❖ Clean basin,
Large cardamom	Sowing		<ul style="list-style-type: none"> ❖ Sowing in primary nursery bed at 2cm depth & 10cm apart with mulching & regular irrigation.
Temperate fruits	After harvesting		<ul style="list-style-type: none"> ❖ Training & pruning of the temperate crops (apple/pears/peach) is recommended ❖ In case of flowering, stop spraying insecticides/pesticides
Pineapple	Harvesting		<ul style="list-style-type: none"> ❖ After winter harvest, collection/Selection of suckers & slip to be done for next season planting
Ginger/ Turmeric	Germination/ Vegetative		<ul style="list-style-type: none"> ❖ Mulching ginger beds with locally available leaves/materials is advocated to enhance germination, prevent washing off during heavy rainfall, add organic matter to the soil & conserve moisture during dry seasons. ❖ Proper drainage to avoid water stagnation
Banana	Bunching	Cold	<ul style="list-style-type: none"> ❖ Cover newly emerged bunches with locally available sack to protect from cold/frost

			❖ Mulching with straw/crop residue at root zone to avoid frost injury in banana.
Honey Bees			
			❖ Box must be covered with straw/dry leaves to provide warmth
LIVESTOCKS			
General ❖ Damaged grain (not fungus contaminated) to be diverted for Poultry/livestock feeding ❖ Clean drinking water should be ensured round the clock and water troughs/feeders should be regularly cleaned,			
Livestock	Stage	Disease	Precautionary Practices to be followed
Fishery			❖ To avoid water turbidity, use grass turfing or horticultural crop at embankment/dyke of the earthen fish pond. ❖ Broadcast mustard Oil Cake (MOC) @5kg/day over the pond twice daily to feed fish fingerlings.
Pigs	All stages	FMD (high fever and appearance of mucous membrane of the mouth and foot.) Swine Fever	❖ Food waste or garbage fed to swine must be cooked and sterilized properly. Cooking the different raw materials together is advocated to improve digestibility and to break- down toxins from some feeds. ❖ Avoid dampness and cover weak and sick animals with sack cloth. ❖ The bedding is always dry and that there is plenty. ❖ Animals should be given lukewarm feed and water. ❖ Right time to deworm with anti helmetic drugs (particularly Tapeworms) viz. Fento Plus @ 1 tablet per 30 kg body weight.
Cattle	All stages	FMD	❖ Right time to deworm with anti helmetic drugs (particularly Tapeworms) viz. Fento Plus @ 1 tablet per 30 kg body weight. ❖ Provide proper bedding materials especially to new-born and lukewarm food & water ❖ Provide feed supplements
Poultry	All stages		❖ Provide shelter to the backyard/scavenging poultry. Feed grains in the morning/evening to supplement scavenging.
Mithun		FMD	❖ Polyvalent FMD vaccine with serotype O, A and Asia at 6 months of age and repeat after that 6 months interval by sub-cutaneous route. ❖ Pregnant animals above 7 months of pregnancy should be avoided.
Contact Scientists (ICAR) or State Agril Staff or KVK staff for measures against adverse conditions or call at 03795-226237/226247			

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Agrometeorological Field Unit

ICAR, BASAR

कृषि मौसम सलाहकार सेवा पत्रिका

Agro-met Advisory Bulletin

(Period: 6th to 8th June, 2018)

No: AMFU-Basar/2018/45

Dated: Tue, 5th June, 2018

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

Advisory for district: Lohit



Weather summary of the previous week	Weather forecast valid up to 10 th June 2018
Rainfall = 7.6 mm	Mostly cloudy with possibility of moderate rainfall. Daily maximum and minimum temperature for the following period is predicted to be 30-31°C and 21-22°C respectively. Expected morning and evening relative humidity will be 85-92% and 39-46% respectively. Wind direction is mainly ENE with speed range of 4-6 kmph.
Warning:	<ul style="list-style-type: none"> Thunderstorm in few places

GENERAL RECOMMENDATIONS

- Spray operations may be done only during clear dry days or using proper sticker
- Manual weeding may be done
- Proper drainage to all crop to avoid runoff
- Check for vaccination schedule of livestock/poultry

DETAILS OF ADVISORIES FOR THE PERIOD

Crop	Stage	Pest/Disease	Precautionary Practices to be followed
FIELD CROPS			
Jhum rice	Rooting/ Leaf elongation	Leaf blast/ leaf spot	<ul style="list-style-type: none"> On clear/sunny days, spray carbendazim @2g/lit water in jhum field to control heavy infestation of leaf blast & leaf spot. Provide proper drainage and soil conservation measures like mulching with locally available materials. Keep the periphery clean Avoid application of fertilizer and insecticides/pesticides Manual weeding may be done during dry days

Rice	Leaf Elongation/ Tillering	Stem borer	<ul style="list-style-type: none"> • Rice: Weed free & clean nursery periphery to prevent disease/pest harboring. • Rice: Spray Triazophos 40EC @ 4 ml/lit against stem borer in rice nursery as well as in main field.
<i>WRC-RICE</i> (Normal sown)	Nursery		<ul style="list-style-type: none"> ❖ Sowing of quality seeds in prepared nursery, ❖ Before sowing, treat seeds with solution of Carbandazim 50WP @ 1 grams in one litre of water per kilogram of seeds.
Maize	Pod formation	Soybean looper	<ul style="list-style-type: none"> ❖ Provide proper drainage ❖ Spray Azadirachtin 0.15% EC 2@ 6ml/lit ❖ Monitor the crop against attack of insect pests,
Pea	Seed development	Powdery mildew/ leaf eating insects	<ul style="list-style-type: none"> ❖ Need based foliar spray of Dinocap (0.2%) or Carbendazim 50WP (0.1%) or Propiconazole (0.1%) using sticker if the infestation is high.
VEGETABLES			
Vegetables	Vegetative	Leaf eating insects	<ul style="list-style-type: none"> ❖ Monitor for possible insect/pest attack ❖ During clear dry days or using stickers, foliar spray of Azadirachtin 0.15% EC 2@ 6ml/lit against leaf eating insects. ❖ Provide adequate drainage
Cucurbits	Flowering/ Fruiting	Leaf eating insects	<ul style="list-style-type: none"> ❖ Monitor for possible attack of insect/pests ❖ During clear dry days or using stickers, foliar spray of Azadirachtin 0.15% EC 2@ 6ml/lit against leaf eating insects. ❖ Cover the base of crop with locally available mulches to avoid exposure to erosion,.
HORTICULTURAL CROPS			
Guava	Flowering		<ul style="list-style-type: none"> ❖ Avoid water logging in the basin, ❖ Basin cleaning in half moon system is advised,
Ginger/ Turmeric	Germination/ Vegetative		<ul style="list-style-type: none"> ❖ Mulching ginger beds with locally available leaves/materials is advocated to enhance germination, prevent washing off during heavy rainfall, add organic matter to the soil & conserve moisture during dry seasons. ❖ Proper drainage to avoid water stagnation
Banana	All stages	Scary beetles	<ul style="list-style-type: none"> ❖ Apply Malathion dust 5D inside the whorl of the plant, ❖ Planting of new saplings may be done in present weather
Citrus	Flowering	Phytophthora	<ul style="list-style-type: none"> • During clear dry days, apply Bordeaux paste on the tree trunk upto the height of 24 inches by brush. • During clear dry days or using stickers during rain, spraying and drenching with metalaxyl MZ-72 @ 2.75 g/lit water on the tree against Phytophthora. • Prepare half moon terraces for fruit crops (orange/banana/apple/peach) in steep slopes to prevent nutrient loss due to rain.
Kiwi	Pruning/Training		<ul style="list-style-type: none"> ❖ Diseased and senile branches should be removed. ❖ Pruning should be done retaining 8-10 buds per branch for enhancing new flush and flowering. ❖ Pruned healthy hard wood of pencil thickness size having 4-5 buds can be used as cutting for propagation
Large Cardamom	Fruiting	Chirkey Disease	<ul style="list-style-type: none"> ❖ Remove dry/diseased/old tillers & branches & spray Bio NPK@ 2ml/lit water for proper growth on clear/dry days.
Honey Bees			
Honey bees			<ul style="list-style-type: none"> ❖ Cover the boxes with locally available dry grass or straw to provide warmth
LIVESTOCKS			
Livestock	Stage	Disease	Precautionary Practices to be followed
<ul style="list-style-type: none"> ❖ General ❖ Damaged grain (not fungus contaminated) to be diverted for Poultry/livestock feeding ❖ Clean drinking water should be ensured round the clock and water troughs/feeders should be regularly cleaned, 			
Fishery			<ul style="list-style-type: none"> ❖ To avoid water turbidity, use grass turfing or horticultural crop at embankment/dyke of the earthen fish pond. ❖ Broadcast mustard Oil Cake (MOC) @5kg/day over the

			pond twice daily to feed fish fingerlings.
Pigs	All stages	FMD (high fever and appearance of mucous membrane of the mouth and foot.) Swine Fever	❖ Food waste or garbage fed to swine must be cooked and sterilized properly. Cooking the different raw materials together is advocated to improve digestibility and to break- down toxins from some feeds. ❖ Avoid dampness and cover weak and sick animals with sack cloth. ❖ The bedding is always dry and that there is plenty. ❖ Right time to deworm with anti helmetic drugs (particularly Tapeworms) viz. Fento Plus @ 1 tablet per 30 kg body weight.
Poultry	All stages		❖ Provide shelter to the backyard/scavenging poultry. Feed grains in the morning/evening to supplement scavenging. ❖ Day old chick-Maintain warmth by lighting, ❖ Inclusion of turmeric powder @ 10g/kg feed for prevention of coccidiosis.
Goat	All stages		❖ Deworming for gastrointestinal parasite
Cattle	All stages	FMD	❖ Right time to deworm with anti helmetic drugs (particularly Tapeworms) viz. Fento Plus @ 1 tablet per 30 kg body weight. ❖ Provide proper bedding materials especially to new-born and lukewarm food & water ❖ Provide feed supplements
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: 6th to 8th June, 2018)

No: AMFU-Basar/2018/45

Dated: Tue, 5th June, 2018

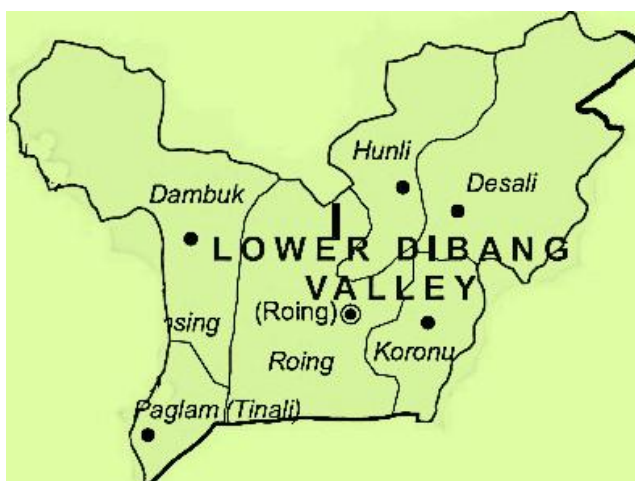
ग्रामीण कृषि मौसम सेवा

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



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

Advisory for district: Lower Dibang Valley



Weather summary of the previous week	Weather forecast valid up to 10 th June 2018
Rainfall = 0.0 mm (Roing)	Partly/mostly cloudy with possibility of moderate rainfall. Daily maximum and minimum temperature for the following period is predicted to be 29-30°C and 21-22°C respectively. Expected morning and evening relative humidity will be 87-92% and 44-54% respectively. Wind direction is mainly SSE with speed range of 5-6 kmph.
Warning:	• Nil

GENERAL RECOMMENDATIONS

- Spray operations may be done only during clear dry days or using proper sticker
- Manual weeding may be done
- Proper drainage to all crop to avoid runoff
- Check for vaccination schedule of livestock/poultry

DETAILS OF ADVISORIES FOR THE PERIOD

Crop	Stage	Pest/Disease	Precautionary Practices to be followed
FIELD CROPS			
Rice	Leaf Elongation/ Tillering	Stem borer	<ul style="list-style-type: none"> • Rice: Weed free & clean nursery periphery to prevent disease/pest harboring. • Rice: Spray Triazophos 40EC @ 4 ml/lit against stem borer in rice nursery as well as in main field.
Jhum rice	Rooting/ Leaf elongation	Leaf blast/ leaf spot	<ul style="list-style-type: none"> • On clear/sunny days, spray carbendazim @2g/lit water in jhum field to control heavy infestation of leaf blast & leaf spot.

			<ul style="list-style-type: none">• Provide proper drainage and soil conservation measures like mulching with locally available materials.• Keep the periphery clean• Avoid application of fertilizer and insecticides/pesticides• Manual weeding may be done during dry days
<i>WRC-RICE</i> (Normal sown)	Nursery		<ul style="list-style-type: none">❖ Sowing of quality seeds in prepared nursery,❖ Before sowing, treat seeds with solution of Carbandazim 50WP @ 1 grams in one litre of water per kilogram of seeds.
Maize	Pod formation	Soybean looper	<ul style="list-style-type: none">❖ Provide proper drainage❖ Spray Azadirachtin 0.15% EC 2@ 6ml/lit❖ Monitor the crop against attack of insect pests,
Pea	Seed development	Powdery mildew/ leaf eating insects	<ul style="list-style-type: none">❖ Provide adequate drainage and avoid water stagnation near the base of the plants.❖ Need based foliar spray of Dinocap (0.2%) or Carbendazim 50WP (0.1%) or Propiconazole (0.1%) using sticker if the infestation is high.
Toria/ Mustard	Maturity	Aphids	<ul style="list-style-type: none">❖ Provide adequate drainage❖ If the infestation is high, Spray Dimethoate 30EC @2ml/litre against aphids in Rapeseed/Mustard using sticker or during clear/dry days.
VEGETABLES			
Cucurbits	Flowering		<ul style="list-style-type: none">❖ Cover the base of crop with locally available mulches to avoid exposure to erosion,.
Summer vegetables	Vegetative/ flowering	Flea beetles/ fungal diseases	<ul style="list-style-type: none">❖ During clear/dry days, spray azadirachtin0.15EC@6ml/lit against flea beetles❖ During clear/dry days, spray carbandazim/Mancozab@2gm/lit to control fungal diseases in summer vegetables.
French Bean	Vegetative/flowering		<ul style="list-style-type: none">❖ Proper drainage
Okra	Vegetative		<ul style="list-style-type: none">❖ Provide proper drainage
HORTICULTURAL CROPS			
Banana	All stages	Scary beetles	<ul style="list-style-type: none">❖ Apply Malathion dust 5D inside the whorl of the plant,❖ Planting of new saplings may be done in present weather
Ginger/ Turmeric	Germination/ Vegetative		<ul style="list-style-type: none">❖ Mulching ginger beds with locally available leaves/materials is advocated to enhance germination, prevent washing off during heavy rainfall, add organic matter to the soil & conserve moisture during dry seasons.❖ Proper drainage to avoid water stagnation
Citrus	Flowering	Phytophthora	<ul style="list-style-type: none">• During clear dry days, apply Bordeaux paste on the tree trunk upto the height of 24 inches by brush.• During clear dry days or using stickers during rain, spraying and drenching with metalaxyl MZ-72 @ 2.75 g/lit water on the tree against Phytophthora.• Prepare half moon terraces for fruit crops (orange/banana/apple/peach) in steep slopes to prevent nutrient loss due to rain.
Guava	Flowering		<ul style="list-style-type: none">❖ Avoid water logging in the basin,❖ Basin cleaning in half moon system is advised,
Large cardamom	Sowing		<ul style="list-style-type: none">❖ Sowing in primary nursery bed at 2cm depth & 10cm apart with mulching & regular irrigation.❖ Applications of well decomposed cattle manure/compost @5kg/plant during clear/dry days.
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
❖ General			
<ul style="list-style-type: none">❖ Damaged grain (not fungus contaminated) to be diverted for Poultry/livestock feeding❖ Clean drinking water should be ensured round the clock and water troughs/feeders should be regularly cleaned,			

Fishery			<ul style="list-style-type: none"> ❖ To avoid water turbidity, use grass turfing or horticultural crop at embankment/dyke of the earthen fish pond. ❖ Broadcast mustard Oil Cake (MOC) @5kg/day over the pond twice daily to feed fish fingerlings.
Pigs	All stages	FMD (high fever and appearance of mucous membrane of the mouth and foot.) Swine Fever	<ul style="list-style-type: none"> ❖ Food waste or garbage fed to swine must be cooked and sterilized properly. Cooking the different raw materials together is advocated to improve digestibility and to break- down toxins from some feeds. ❖ Avoid dampness and cover weak and sick animals with sack cloth. ❖ The bedding is always dry and that there is plenty. ❖ Animals should be given lukewarm feed and water. ❖ Right time to deworm with anti helmetic drugs (particularly Tapeworms) viz. Fento Plus @ 1 tablet per 30 kg body weight.
Poultry	All stages		<ul style="list-style-type: none"> ❖ Provide shelter to the backyard/scavenging poultry. Feed grains in the morning/evening to supplement scavenging. ❖ Day old chick-Maintain warmth by lighting, ❖ Inclusion of turmeric powder @ 10g/kg feed for prevention of coccidiosis.
Goat	All stages		<ul style="list-style-type: none"> ❖ Deworming for gastrointestinal parasite
Cattle	All stages	FMD	<ul style="list-style-type: none"> ❖ Right time to deworm with anti helmetic drugs (particularly Tapeworms) viz. Fento Plus @ 1 tablet per 30 kg body weight. ❖ Provide proper bedding materials especially to new-born and lukewarm food & water ❖ Provide feed supplements
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: 6th to 8th June, 2018)

No: AMFU-Basar/2018/45

Dated: Tue, 5th June, 2018

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

Advisory for district: Lower Subansiri



Weather summary of the previous week	Weather forecast valid up to 10 th June 2018
Rainfall = NA	Mostly cloudy with possibility of moderate to rather heavy rainfall. Daily maximum and minimum temperature for the following period is predicted to be 30-31°C and 21-22°C respectively. Expected morning and evening relative humidity will be 91-94% and 45-56% respectively. Wind direction is variable with speed range of 3-4 kmph.
Warning:	• Nil

GENERAL RECOMMENDATIONS

- Spray operations may be done only during clear dry days or using proper sticker
- Manual weeding may be done
- Proper drainage to all crop to avoid runoff
- Check for vaccination schedule of livestock/poultry

DETAILS OF ADVISORIES FOR THE PERIOD

Crop	Stage	Pest/Disease	Precautionary Practices to be followed
FIELD CROPS			
WRC-RICE (Mipun)	Nursery		<ul style="list-style-type: none"> ❖ Sowing of quality seeds in prepared nursery, ❖ Before sowing, treat seeds with solution of Carbandazim 50WP @ 1 grams in one litre of water per kilogram of seeds.
Jhum rice	Leaf elongation	Leaf blast/ leaf spot/ Yellow stem borer	<ul style="list-style-type: none"> • On clear/sunny days, spray carbendazim @2g/lit water in jhum field to control infestation of leaf blast & leaf spot. • Collection of egg masses (Yellow cottony mass) is advised.

			<ul style="list-style-type: none"> On anticipation of rain, provide proper drainage Follow proper runoff management system to avoid loss of top soil due to heavy rainfall. Keep the surrounding clean/ weed free to avoid disease/pest harboring Manual weeding advocated during clear dry days.
Rice	Transplantation / leaf elongation	Stem borer	<ul style="list-style-type: none"> On anticipation of rain, provide proper drainage to the nursery/main field to avoid runoff Rice: Weed free & clean nursery periphery to prevent disease/pest harboring. Cut the tips of the leaves before transplanting reduces the population of stem borer as the eggs are laid on that site. It will reduce the carryover of the infestation to the main field.
Pea	Maturity	Powdery mildew/ leaf eating insects	<ul style="list-style-type: none"> ❖ Green pods can be harvested during sunny days ❖ Provide adequate drainage and avoid water stagnation near the base of the plants. ❖ Need based foliar spray of Dinocap (0.2%) or Carbendazim 50WP (0.1%) or Propiconazole (0.1%) using sticker if the infestation is high.
Toria/ Mustard	Harvesting	Aphids	<ul style="list-style-type: none"> ❖ Harvest during clear/dry days ❖ Provide adequate drainage ❖ If the infestation is high, Spray Dimethoate 30EC @2ml/litre against aphids in Rapeseed/Mustard using sticker or during clear/dry days.
VEGETABLES			
Vegetables	Vegetative	Leaf eating insects	<ul style="list-style-type: none"> ❖ Monitor for possible insect/pest attack ❖ During clear dry days or using stickers, foliar spray of Azadirachtin 0.15% EC 2@ 6ml/lit against leaf eating insects. ❖ Provide adequate drainage
Cucurbits	Flowering/ Fruiting	Leaf eating insects	<ul style="list-style-type: none"> ❖ Monitor for possible attack of insect/pests ❖ During clear dry days or using stickers, foliar spray of Azadirachtin 0.15% EC 2@ 6ml/lit against leaf eating insects. ❖ Cover the base of crop with locally available mulches to avoid exposure to erosion,.
HORTICULTURAL CROPS			
Citrus	Flowering	Fruit drop/ Phytophthora	<ul style="list-style-type: none"> Foliar application of micronutrient/multiplex @ 0.2% should be done to prevent flower drop During clear dry days, apply Bordeaux paste on the tree trunk upto the height of 24 inches by brush. During clear dry days or using stickers during rain, spraying and drenching with metalaxyl MZ-72 @ 2.75 g/lit water on the tree against Phytophthora. Prepare half moon terraces for fruit crops (orange/banana/apple/peach) in steep slopes to prevent nutrient loss due to rain.
Ginger/ Turmeric	Germination/ Vegetative		<ul style="list-style-type: none"> ❖ Mulching ginger beds with locally available leaves/materials is advocated to enhance germination, prevent washing off during heavy rainfall, add organic matter to the soil & conserve moisture during dry seasons. ❖ Proper drainage to avoid water stagnation
Apple	Fruiting	Fruit drop / wooly aphids	<ul style="list-style-type: none"> ❖ Spray 2,4,5-T @ 20ppm or 2,4,5-TCPA @ 15ppm to inhibit fruit drop ❖ Application of paradichlorobenzene at 2 meter away from the trunk is advised against wooly aphids during clear/dry days
Kiwi	Flowering	Leaf eating beetle	<ul style="list-style-type: none"> ❖ Kiwi fruit vine should be covered with 50% shade net to protect flowers from heavy rain and hail storm. ❖ Hand collection of the insects and its destruction, ❖ Make proper drainage facility in the crop area

Peach	Fruit maturing	Fruit Fly	❖ Install fruit fly pheromone traps, ❖ Collect and dispose off the fallen fruits. ❖ Clean basin,
Guava	Flowering		❖ Avoid water logging in the basin, ❖ Basin cleaning in half moon system is advised,
Large cardamom	Sowing		❖ Sowing in primary nursery bed at 2cm depth & 10cm apart with mulching & regular irrigation. ❖ Applications of well decomposed cattle manure/compost @5kg/plant during clear/dry days.
Temperate fruits	After harvesting		❖ Training & pruning of the temperate crops (apple/pears/peach) is recommended ❖ In case of flowering, stop spraying insecticides/pesticides
Agroforestry			
Toko palm	Nursery		❖ Filling of nursery polybags for raising of takopalm seedlings
Honey Bees			
Honey bees			❖ Box must be covered with straw/dry leaves to provide warmth
LIVESTOCKS			
Livestock	Stage	Disease	❖ Precautionary Practices to be followed
Fishery			❖ To avoid water turbidity, use grass turfing or horticultural crop at embankment/dyke of the earthen fish pond. ❖ Broadcast mustard Oil Cake (MOC) @5kg/day over the pond twice daily to feed fish fingerlings.
Pigs	All stages	FMD (high fever and appearance of mucous membrane of the mouth and foot.) Swine Fever	❖ Food waste or garbage fed to swine must be cooked and sterilized properly. Cooking the different raw materials together is advocated to improve digestibility and to break- down toxins from some feeds. ❖ Avoid dampness and cover weak and sick animals with sack cloth. ❖ The bedding is always dry and that there is plenty. ❖ Right time to deworm with anti helmetic drugs (particularly Tapeworms) viz. Fento Plus @ 1 tablet per 30 kg body weight.
Pigs	All stages	FMD (high fever and appearance of mucous membrane of the mouth and foot.) Swine Fever	❖ Avoid dampness and cover weak and sick animals with sack cloth. ❖ The bedding is always dry and that there is plenty. ❖ If possible wooden sleeping box should be provided. ❖ Right time to deworm with anti helmetic drugs (particularly Tapeworms) viz. Fento Plus @ 1 tablet per 30 kg body weight.
Cattle	All stages	FMD	❖ Animals should be given lukewarm feed and water. ❖ Right time to deworm with anti helmetic drugs (particularly Tapeworms) viz. Fento Plus @ 1 tablet per 30 kg body weight. ❖ Provide proper bedding materials especially to new-born and lukewarm food & water ❖ Provide feed supplements
Mithun		FMD	❖ Polyvalent FMD vaccine with serotype O, A and Asia at 6 months of age and repeat after that 6 months interval by sub-cutaneous route. ❖ Pregnant animals above 7 months of pregnancy should be avoided.
Contact Scientists (ICAR) or State Agril Staff or KVK staff for measures against adverse conditions or call at 03795-226237/226247			

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Agrometeorological Field Unit
 ICAR. BASAR

कृषि मौसम सलाहकार सेवा पत्रिका

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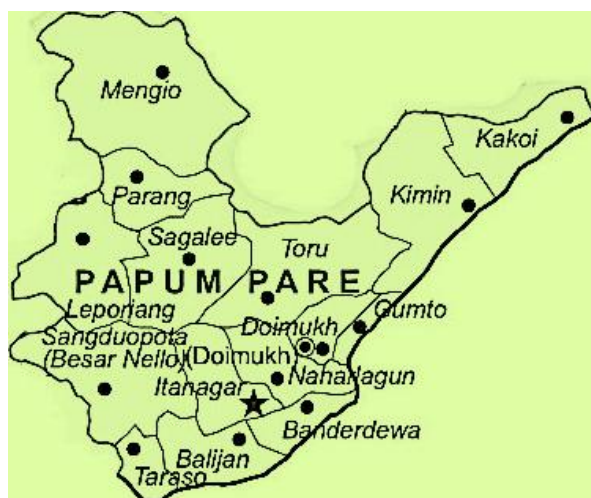
ग्रामीण कृषि मौसम सेवा

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



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

Advisory for district: Papum Pare



Weather summary of the previous week	Weather forecast valid up to 10 th June 2018
Rainfall: 28.6 mm; T. Max: 35.9°C; T. Min: 22.8°C ; RH: 70-97%	Mostly cloudy with possibility of moderate to rather heavy rain. Daily maximum and minimum temperature for the following period is predicted to be 32-33°C and 23-25°C respectively. Expected morning and evening relative humidity will be 80-87% and 46-59% respectively. Expected wind direction mainly variable with speed range of 3-5 kmph.
Warning:	•

GENERAL RECOMMENDATIONS

On anticipation of rain:

- Spray operation is mostly not recommended, in case of heavy infestation spray using proper sticker
- Application of fertilizer/manure may be avoided
- Proper drainage to all crop to avoid runoff

DETAILS OF ADVISORIES FOR THE PERIOD

Crop	Stage	Pest/Disease	Precautionary Practices to be followed
FIELD CROPS			
Jhum rice	Rooting/ Leaf elongation	Leaf blast/ leaf spot	<ul style="list-style-type: none"> • On clear/sunny days, spray carbendazim @2g/lit water in jhum field to control heavy infestation of leaf blast & leaf spot. • Provide proper drainage and soil conservation measures like mulching with locally available materials. • Keep the periphery clean • Avoid application of fertilizer and insecticides/pesticides

			<ul style="list-style-type: none"> • Manual weeding may be done during dry days
Rice	Leaf Elongation/ Tillering	Stem borer	<ul style="list-style-type: none"> • Rice: Weed free & clean nursery periphery to prevent disease/pest harboring. • Rice: Spray Triazophos 40EC @ 4 ml/lit against stem borer in rice nursery as well as in main field.
<i>WRC-RICE</i> (Normal sown)	Nursery		<ul style="list-style-type: none"> ❖ Sowing of quality seeds in prepared nursery, ❖ Before sowing, treat seeds with solution of Carbandazim 50WP @ 1 grams in one litre of water per kilogram of seeds.
Maize	Pod formation	Soybean looper	<ul style="list-style-type: none"> ❖ Provide proper drainage ❖ Spray Azadirachtin 0.15% EC 2@ 6ml/lit ❖ Monitor the crop against attack of insect pests,
VEGETABLES			
Ginger/ Turmeric	Germination/ Vegetative		<ul style="list-style-type: none"> ❖ Mulching ginger beds with locally available leaves/materials is advocated to enhance germination, prevent washing off during heavy rainfall, add organic matter to the soil & conserve moisture during dry seasons. ❖ Proper drainage to avoid water stagnation
Cucurbits	Flowering/ fruiting		<ul style="list-style-type: none"> ❖ Cover the base of crop with locally available mulches to avoid exposure to erosion,. ❖ Monitor for possible attack of insects/pests
Summer vegetables	Vegetative/ flowering	Flea beetles/ fungal diseases	<ul style="list-style-type: none"> ❖ During clear/dry days, spray azadirachtin0.15EC@6ml/lit against flea beetles ❖ During clear/dry days, spray carbandazim/Mancozab@2gm/lit to control fungal diseases in summer vegetables.
HORTICULTURAL CROPS			
Banana	All stages	Scary beetles	<ul style="list-style-type: none"> ❖ Apply Malathion dust 5D inside the whorl of the plant, ❖ Planting of new saplings may be done in present weather
Citrus	Flowering	Phytophthora	<ul style="list-style-type: none"> • During clear dry days, apply Bordeaux paste on the tree trunk upto the height of 24 inches by brush. • During clear dry days or using stickers during rain, spraying and drenching with metalaxyl MZ-72 @ 2.75 g/lit water on the tree against Phytophthora. • Prepare half moon terraces for fruit crops (orange/banana/apple/peach) in steep slopes to prevent nutrient loss due to rain.
Guava	Flowering		<ul style="list-style-type: none"> ❖ Avoid water logging in the basin, ❖ Basin cleaning in half moon system is advised,
Large Cardamom	Vegetative		<ul style="list-style-type: none"> ❖ Provide proper drainage to avoid water stagnation in the base of the plant.
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
General <ul style="list-style-type: none"> ❖ Damaged grain (not fungus contaminated) to be diverted for Poultry/livestock feeding ❖ Clean drinking water should be ensured round the clock and water troughs/feeders should be regularly cleaned, 			
Fishery			<ul style="list-style-type: none"> ❖ To avoid water turbidity, use grass turfing or horticultural crop at embankment/dyke of the earthen fish pond. ❖ Broadcast mustard Oil Cake (MOC) @5kg/day over the pond twice daily to feed fish fingerlings.
Pigs	All stages	FMD (high fever and appearance of mucous membrane of the mouth and foot.) Swine Fever	<ul style="list-style-type: none"> ❖ Food waste or garbage fed to swine must be cooked and sterilized properly. Cooking the different raw materials together is advocated to improve digestibility and to break- down toxins from some feeds. ❖ Avoid dampness and cover weak and sick animals with sack cloth. ❖ The bedding is always dry and that there is plenty. ❖ Right time to deworm with anti helmetic drugs (particularly

			Tapeworms) viz. Fento Plus @ 1 tablet per 30 kg body weight.
Poultry	All stages		<ul style="list-style-type: none">❖ Provide shelter to the backyard/scavenging poultry. Feed grains in the morning/evening to supplement scavenging.❖ Inclusion of turmeric powder @ 10g/kg feed for prevention of coccidiosis.
Goat	All stages		<ul style="list-style-type: none">❖ Deworming for gastrointestinal parasite
Cattle	All stages	FMD	<ul style="list-style-type: none">❖ Right time to deworm with anti helmetic drugs (particularly Tapeworms) viz. Fento Plus @ 1 tablet per 30 kg body weight.❖ Provide proper bedding materials especially to new-born and lukewarm food & water❖ Provide feed supplements
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

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



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

Advisory for district: Tawang



Weather summary of the previous week	Weather forecast valid up to 10 th June 2018
Rainfall = 16.0 mm	Partly/mostly cloudy with possibility of light/moderate rainfall. Daily maximum and minimum temperature for the following period is predicted to be 17-18°C and 7.0-8.0°C respectively. Expected morning and evening relative humidity will be 85-88% and 48-70% respectively. Wind direction is mainly SSE with probable speed range of 4-6 kmph.
Warning:	•

GENERAL RECOMMENDATIONS

- Spray operations may be done only during clear dry days or using proper sticker
- Manual weeding may be done
- Proper drainage to all crop to avoid runoff
- Check for vaccination schedule of livestock/poultry

DETAILS OF ADVISORIES FOR THE PERIOD

Crop	Stage	Pest/Disease	Precautionary Practices to be followed
FIELD CROPS			
Jhum rice	Leaf elongation	Leaf blast/ leaf spot/ Yellow stem borer	<ul style="list-style-type: none"> • On clear/sunny days, spray carbendazim @2g/lit water in jhum field to control infestation of leaf blast & leaf spot. • Collection of egg masses (Yellow cottony mass) is advised. • On anticipation of rain, provide proper drainage • Follow proper runoff management system to avoid loss of top soil due to heavy rainfall.

			<ul style="list-style-type: none"> • Keep the surrounding clean/ weed free to avoid disease/pest harboring • Manual weeding advocated during clear dry days.
Maize	Vegetative		<ul style="list-style-type: none"> • Monitor against insect pest attack
Rice	Transplantation / leaf elongation	Stem borer	<ul style="list-style-type: none"> • On anticipation of rain, provide proper drainage to the nursery/main field to avoid runoff • Rice: Weed free & clean nursery periphery to prevent disease/pest harboring. • Cut the tips of the leaves before transplanting reduces the population of stem borer as the eggs are laid on that site. It will reduce the carryover of the infestation to the main field.
VEGETABLES			
Vegetables	Vegetative	Leaf eating insects	<ul style="list-style-type: none"> ❖ Monitor for possible insect/pest attack ❖ During clear dry days or using stickers, foliar spray of Azadirachtin 0.15% EC 2@ 6ml/lit against leaf eating insects. ❖ Provide adequate drainage
HORTICULTURAL CROPS			
Apple	Fruiting	Fruit drop / wooly aphids	<ul style="list-style-type: none"> ❖ Spray 2,4,5-T @ 20ppm or 2,4,5-TCPA @ 15ppm to inhibit fruit drop ❖ Application of paradichlorobenzene at 2 meter away from the trunk is advised against wooly aphids during clear/dry days
Kiwi	Flowering	Leaf eating beetle	<ul style="list-style-type: none"> ❖ Kiwi fruit vine should be covered with 50% shade net to protect flowers from heavy rain and hail storm. ❖ Hand collection of the insects and its destruction, ❖ Make proper drainage facility in the crop area
Peach	Fruit maturing	Fruit Fly	<ul style="list-style-type: none"> ❖ Install fruit fly pheromone traps, ❖ Collect and dispose off the fallen fruits. ❖ Clean basin,
Temperate fruits	After harvesting		<ul style="list-style-type: none"> ❖ Training & pruning of the temperate crops (apple/pears/peach) is recommended ❖ In case of flowering, stop spraying insecticides/pesticides
Vegetables	Vegetative	Leaf eating insects	<ul style="list-style-type: none"> ❖ Monitor for possible insect/pest attack ❖ During clear dry days or using stickers, foliar spray of Azadirachtin 0.15% EC 2@ 6ml/lit against leaf eating insects. ❖ Provide adequate drainage
Cucurbits	Flowering/ Fruiting	Leaf eating insects	<ul style="list-style-type: none"> ❖ Monitor for possible attack of insect/pests ❖ During clear dry days or using stickers, foliar spray of Azadirachtin 0.15% EC 2@ 6ml/lit against leaf eating insects. ❖ Cover the base of crop with locally available mulches to avoid exposure to erosion,.
Banana	Bunching	Cold	<ul style="list-style-type: none"> ❖ Cover newly emerged bunches with locally available sack to protect from cold/frost ❖ Mulching with straw/crop residue at root zone to avoid frost injury in banana.
LIVESTOCKS			
Livestock	Stage	Disease	❖ Precautionary Practices to be followed
General <ul style="list-style-type: none"> ❖ Damaged grain (not fungus contaminated) to be diverted for Poultry/livestock feeding ❖ Clean drinking water should be ensured round the clock and water troughs/feeders should be regularly cleaned, 			
Pigs	All stages	FMD (high fever and appearance of mucous membrane of the mouth and foot.) Swine Fever	<ul style="list-style-type: none"> ❖ Food waste or garbage fed to swine must be cooked and sterilized properly. Cooking the different raw materials together is advocated to improve digestibility and to break- down toxins from some feeds. ❖ Avoid dampness and cover weak and sick animals with sack cloth. ❖ The bedding is always dry and that there is plenty. ❖ Animals should be given lukewarm feed and water. ❖ Right time to deworm with anti helmetic drugs (particularly

			Tapeworms) viz. Fento Plus @ 1 tablet per 30 kg body weight.
Poultry	All stages		<ul style="list-style-type: none">❖ Provide shelter to the backyard/scavenging poultry. Feed grains in the morning/evening to supplement scavenging.❖ Inclusion of turmeric powder @ 10g/kg feed for prevention of coccidiosis.
Yak	All stages		<ul style="list-style-type: none">❖ Feeding of concentrate feed along with mineral mixture and salt.❖ Hay feeding is recommended.
Cattle	All stages	FMD	<ul style="list-style-type: none">❖ Animals should be given lukewarm feed and water.❖ Right time to deworm with anti helmetic drugs (particularly Tapeworms) viz. Fento Plus @ 1 tablet per 30 kg body weight.❖ Provide proper bedding materials especially to new-born and lukewarm food & water❖ Provide feed supplements
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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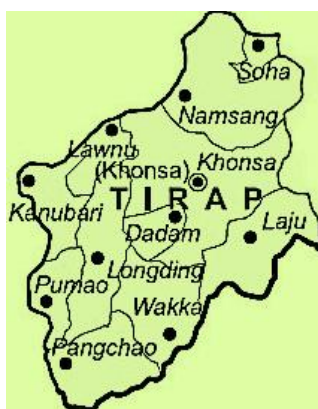
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GRAMIN KRISHI MAUSAM SEWA
(Integrated Agro-Meteorological Advisory Services)



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

Advisory for district: Tirap



Weather summary of the previous week	Weather forecast valid up to 10 th June 2018
Rainfall = 66.2 mm	Mostly cloudy with possibility of moderate rain. Daily maximum and minimum temperature for the following period is predicted to be 32-33°C and 23-25°C respectively. Expected morning and evening relative humidity will be 79-87% and 42-49% respectively. Wind direction is mainly SE & SSE with speed range of 2-6 kmph.
Warning:	•

GENERAL RECOMMENDATIONS

- Spray operations may be done only during clear dry days or using proper sticker
- Manual weeding may be done
- Proper drainage to all crop to avoid runoff
- Check for vaccination schedule of livestock/poultry

DETAILS OF ADVISORIES FOR THE PERIOD

Crop	Stage	Pest/Disease	Precautionary Practices to be followed
FIELD CROPS			
Rice	Leaf Elongation/ Tillering	Stem borer	<ul style="list-style-type: none"> • Rice: Weed free & clean nursery periphery to prevent disease/pest harboring. • Rice: Spray Triazophos 40EC @ 4 ml/lit against stem borer in rice nursery as well as in main field.
Maize	Pod formation	Soybean looper	<ul style="list-style-type: none"> ❖ Provide proper drainage ❖ Spray Azadirachtin 0.15% EC 2@ 6ml/lit ❖ Monitor the crop against attack of insect pests,
WRC-RICE (Normal sown)	Nursery		<ul style="list-style-type: none"> ❖ Sowing of quality seeds in prepared nursery, ❖ Before sowing, treat seeds with solution of Carbandazim 50WP @ 1 grams in one litre of water per kilogram of seeds.

Jhum rice	Rooting/ Leaf elongation		<ul style="list-style-type: none"> • Provide proper drainage and soil conservation measures like mulching with locally available materials. • Keep the periphery clean • Avoid application of fertilizer and insecticides/pesticides
VEGETABLES			
Vegetables	Vegetative	Leaf eating insects	<ul style="list-style-type: none"> ❖ Monitor for possible insect/pest attack ❖ During clear dry days or using stickers, foliar spray of Azadirachtin 0.15% EC 2@ 6ml/lit against leaf eating insects. ❖ Provide adequate drainage
Cucurbits	Flowering/ Fruiting	Leaf eating insects	<ul style="list-style-type: none"> ❖ Monitor for possible attack of insect/pests ❖ During clear dry days or using stickers, foliar spray of Azadirachtin 0.15% EC 2@ 6ml/lit against leaf eating insects. ❖ Cover the base of crop with locally available mulches to avoid exposure to erosion,.
HORTICULTURAL CROPS			
Banana	All stages	Scary beetles	<ul style="list-style-type: none"> ❖ Apply Malathion dust 5D inside the whorl of the plant, ❖ Planting of new saplings may be done in present weather
Ginger/ Turmeric	Germination/ Vegetative		<ul style="list-style-type: none"> ❖ Mulching ginger beds with locally available leaves/materials is advocated to enhance germination, prevent washing off during heavy rainfall, add organic matter to the soil & conserve moisture during dry seasons. ❖ Proper drainage to avoid water stagnation
Citrus	Flowering	Phytophthora	<ul style="list-style-type: none"> • During clear dry days, apply Bordeaux paste on the tree trunk upto the height of 24 inches by brush. • During clear dry days or using stickers during rain, spraying and drenching with metalaxyl MZ-72 @ 2.75 g/lit water on the tree against Phytophthora. • Prepare half moon terraces for fruit crops (orange/banana/apple/peach) in steep slopes to prevent nutrient loss due to rain.
Guava	Flowering		<ul style="list-style-type: none"> ❖ Avoid water logging in the basin, ❖ Basin cleaning in half moon system is advised,
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.) Swine Fever	<ul style="list-style-type: none"> ❖ Food waste or garbage fed to swine must be cooked and sterilized properly. Cooking the different raw materials together is advocated to improve digestibility and to break- down toxins from some feeds. ❖ Avoid dampness and cover weak and sick animals with sack cloth. ❖ The bedding is always dry and that there is plenty. ❖ Animals should be given lukewarm feed and water. ❖ Right time to deworm with anti helmetic drugs (particularly Tapeworms) viz. Fento Plus @ 1 tablet per 30 kg body weight.
Fishery			<ul style="list-style-type: none"> ❖ To avoid water turbidity, use grass turfing or horticultural crop at embankment/dyke of the earthen fish pond. ❖ Broadcast mustard Oil Cake (MOC) @5kg/day over the pond twice daily to feed fish fingerlings.
Poultry	All stages		<ul style="list-style-type: none"> ❖ Provide shelter to the backyard/scavenging poultry. Feed grains in the morning/evening to supplement scavenging. ❖ Day old chick-Maintain warmth by lighting,
Goat	All stages		<ul style="list-style-type: none"> ❖ Deworming for gastrointestinal parasite
Cattle	All stages	FMD	<ul style="list-style-type: none"> ❖ Right time to deworm with anti helmetic drugs (particularly Tapeworms) viz. Fento Plus @ 1 tablet per 30 kg body weight. ❖ Provide proper bedding materials especially to new-born and lukewarm food & water ❖ Provide feed supplements

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: 6th to 8th June, 2018)

No: AMFU-Basar/2018/45

Dated: Tue, 5th June, 2018

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

Advisory for district: Upper Siang



Weather summary of the previous week	Weather forecast valid up to 10 th June 2018
Rainfall = 7.0 mm	Mostly cloudy with possibility of moderate rainfall. Daily maximum and minimum temperature for the following period is predicted to be 25-26°C and 17-18°C respectively. Expected morning and evening relative humidity will be 94-98% and 41-51% respectively. Wind direction is mainly E & ESE with speed range of 3-5 kmph.
Warning:	<ul style="list-style-type: none"> Thunderstorm in few places

GENERAL RECOMMENDATIONS

- Spray operations may be done only during clear dry days or using proper sticker
- Manual weeding may be done
- Proper drainage to all crop to avoid runoff
- Check for vaccination schedule of livestock/poultry

DETAILS OF ADVISORIES FOR THE PERIOD

Crop	Stage	Pest/Disease	Precautionary Practices to be followed
FIELD CROPS			
WRC-RICE (Mipun)	Nursery		<ul style="list-style-type: none"> Sowing of quality seeds in prepared nursery, Before sowing, treat seeds with solution of Carbandazim 50WP @ 1 grams in one litre of water per kilogram of seeds.
Rice	Transplantation / leaf elongation	Stem borer	<ul style="list-style-type: none"> On anticipation of rain, provide proper drainage to the nursery/main field to avoid runoff Rice: Weed free & clean nursery periphery to prevent disease/pest harboring. Cut the tips of the leaves before transplanting reduces the population of stem borer as the eggs are laid on that site. It will reduce the carryover of the infestation to the main field.

Jhum rice	Leaf elongation	Leaf blast/ leaf spot/ Yellow stem borer	<ul style="list-style-type: none"> • On clear/sunny days, spray carbendazim @2g/lit water in <i>jhum</i> field to control infestation of leaf blast & leaf spot. • Collection of egg masses (Yellow cottony mass) is advised. • On anticipation of rain, provide proper drainage • Follow proper runoff management system to avoid loss of top soil due to heavy rainfall. • Keep the surrounding clean/ weed free to avoid disease/pest harboring • Manual weeding advocated during clear dry days.
Toria/ Mustard	Harvesting	Aphids	<ul style="list-style-type: none"> ❖ Harvest during clear/dry days ❖ Provide adequate drainage ❖ If the infestation is high, Spray Dimethoate 30EC @2ml/litre against aphids in Rapeseed/Mustard using sticker or during clear/dry days.
VEGETABLES			
Vegetables	Vegetative	Leaf eating insects	<ul style="list-style-type: none"> ❖ Monitor for possible insect/pest attack ❖ During clear dry days or using stickers, foliar spray of Azadirachtin 0.15% EC 2@ 6ml/lit against leaf eating insects. ❖ Provide adequate drainage
Cucurbits	Flowering/ Fruiting	Leaf eating insects	<ul style="list-style-type: none"> ❖ Monitor for possible attack of insect/pests ❖ During clear dry days or using stickers, foliar spray of Azadirachtin 0.15% EC 2@ 6ml/lit against leaf eating insects. ❖ Cover the base of crop with locally available mulches to avoid exposure to erosion,.
HORTICULTURAL CROPS			
Apple	Fruiting	Fruit drop / wooly aphids	<ul style="list-style-type: none"> ❖ Spray 2,4,5-T @ 20ppm or 2,4,5-TCPA @ 15ppm to inhibit fruit drop ❖ Application of paradichlorobenzene at 2 meter away from the trunk is advised against wooly aphids during clear/dry days
Kiwi	Flowering	Leaf eating beetle	<ul style="list-style-type: none"> ❖ Kiwi fruit vine should be covered with 50% shade net to protect flowers from heavy rain and hail storm. ❖ Hand collection of the insects and its destruction, ❖ Make proper drainage facility in the crop area
Citrus	Flowering	Fruit drop/ Phytophthora	<ul style="list-style-type: none"> • Foliar application of micronutrient/multiplex @ 0.2% should be done to prevent flower drop • During clear dry days, apply Bordeaux paste on the tree trunk upto the height of 24 inches by brush. • During clear dry days or using stickers during rain, spraying and drenching with metalaxyl MZ-72 @ 2.75 g/lit water on the tree against Phytophthora. • Prepare half moon terraces for fruit crops (orange/banana/apple/peach) in steep slopes to prevent nutrient loss due to rain.
Ginger/ Turmeric	Sowing/ germination		<ul style="list-style-type: none"> ❖ Mulching ginger beds with locally available leaves/materials is advocated to enhance germination, prevent washing off during heavy rainfall, add organic matter to the soil & conserve moisture during dry seasons.
Peach	Fruit maturing	Fruit Fly	<ul style="list-style-type: none"> ❖ Install fruit fly pheromone traps, ❖ Collect and dispose off the fallen fruits. ❖ Clean basin,
Large cardamom	Sowing		<ul style="list-style-type: none"> ❖ Sowing in primary nursery bed at 2cm depth & 10cm apart with mulching & regular irrigation.
Banana	Bunching	Cold	<ul style="list-style-type: none"> ❖ Cover newly emerged bunches with locally available sack to protect from cold/frost ❖ Mulching with straw/crop residue at root zone to avoid frost injury in banana.
LIVESTOCKS			
Livestock	Stage	Disease	❖ Precautionary Practices to be followed
❖ General			
❖ Damaged grain (not fungus contaminated) to be diverted for Poultry/livestock feeding			

❖ Clean drinking water should be ensured round the clock and water troughs/feeders should be regularly cleaned,			
Fishery			❖ To avoid water turbidity, use grass turfing or horticultural crop at embankment/dyke of the earthen fish pond. ❖ Broadcast mustard Oil Cake (MOC) @5kg/day over the pond twice daily to feed fish fingerlings.
Pigs	All stages	FMD (high fever and appearance of mucous membrane of the mouth and foot.) Swine Fever	❖ Food waste or garbage fed to swine must be cooked and sterilized properly. Cooking the different raw materials together is advocated to improve digestibility and to break- down toxins from some feeds. ❖ Avoid dampness and cover weak and sick animals with sack cloth. ❖ The bedding is always dry and that there is plenty. ❖ Animals should be given lukewarm feed and water. ❖ Right time to deworm with anti helmetic drugs (particularly Tapeworms) viz. Fento Plus @ 1 tablet per 30 kg body weight.
Poultry	All stages		❖ Provide shelter to the backyard/scavenging poultry. Feed grains in the morning/evening to supplement scavenging. ❖ Inclusion of turmeric powder @ 10g/kg feed for prevention of coccidiosis.
Cattle	All stages	FMD	❖ Animals should be given lukewarm feed and water. ❖ Right time to deworm with anti helmetic drugs (particularly Tapeworms) viz. Fento Plus @ 1 tablet per 30 kg body weight. ❖ Provide proper bedding materials especially to new-born and lukewarm food & water ❖ Provide feed supplements
Mithun		FMD	❖ Polyvalent FMD vaccine with serotype O, A and Asia at 6 months of age and repeat after that 6 months interval by sub-cutaneous route. ❖ Pregnant animals above 7 months of pregnancy should be avoided.
Contact Scientists (ICAR) or State Agril Staff or KVK staff for measures against adverse conditions or call at 03795-226237/226247			

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Agrometeorological Field Unit

ICAR, BASAR

कृषि मौसम सलाहकार सेवा पत्रिका

Agro-met Advisory Bulletin

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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

Advisory for district: Upper Subansiri



Weather summary of the previous week	Weather forecast valid up to 10 th June 2018
Daporijo: 0.0 mm	Mostly cloudy with possibility of light/moderate rainfall. Daily maximum and minimum temperature for the following period is predicted to be 30-31°C and 21-22°C respectively. Expected morning and evening relative humidity will be 85-88% and 46-52% respectively. Expected wind direction is mainly SE with speed range of 2-3 kmph.
Warning	•

GENERAL RECOMMENDATIONS

- Spray operations may be done only during clear dry days or using proper sticker
- Manual weeding may be done
- Proper drainage to all crop to avoid runoff
- Check for vaccination schedule of livestock/poultry

DETAILS OF ADVISORIES FOR THE PERIOD

Crop	Stage	Pest/Disease	Precautionary Practices to be followed
FIELD CROPS			
WRC-RICE (Mipun)	Nursery		<ul style="list-style-type: none"> ❖ Sowing of quality seeds in prepared nursery, ❖ Before sowing, treat seeds with solution of Carbandazim 50WP @ 1 grams in one litre of water per kilogram of seeds.
Pea	Maturity	Powdery mildew/ leaf eating insects	<ul style="list-style-type: none"> ❖ Green pods can be harvested during sunny days ❖ Provide adequate drainage and avoid water stagnation near the base of the plants. ❖ Need based foliar spray of Dinocap (0.2%) or Carbendazim

			50WP (0.1%) or Propiconazole (0.1%) using sticker if the infestation is high.
Toria/ Mustard	Harvesting	Aphids	<ul style="list-style-type: none"> ❖ Harvest during clear/dry days ❖ Provide adequate drainage ❖ If the infestation is high, Spray Dimethoate 30EC @2ml/litre against aphids in Rapeseed/Mustard using sticker or during clear/dry days.
Jhum rice	Rooting/ Leaf elongation	Leaf blast/ leaf spot	<ul style="list-style-type: none"> • On clear/sunny days, spray carbendazim @2g/lit water in jhum field to control heavy infestation of leaf blast & leaf spot. • Provide proper drainage and soil conservation measures like mulching with locally available materials. • Keep the periphery clean • Avoid application of fertilizer and insecticides/pesticides • Manual weeding may be done during dry days
Rice	Transplantation / leaf elongation	Stem borer	<ul style="list-style-type: none"> • On anticipation of rain, provide proper drainage to the nursery/main field to avoid runoff • Rice: Weed free & clean nursery periphery to prevent disease/pest harboring. • Cut the tips of the leaves before transplanting reduces the population of stem borer as the eggs are laid on that site. It will reduce the carryover of the infestation to the main field.
VEGETABLES			
Vegetables	Vegetative	Leaf eating insects	<ul style="list-style-type: none"> ❖ Monitor for possible insect/pest attack ❖ During clear dry days or using stickers, foliar spray of Azadirachtin 0.15% EC 2@ 6ml/lit against leaf eating insects. ❖ Provide adequate drainage
Cucurbits	Flowering/ Fruiting	Leaf eating insects	<ul style="list-style-type: none"> ❖ Monitor for possible attack of insect/pests ❖ During clear dry days or using stickers, foliar spray of Azadirachtin 0.15% EC 2@ 6ml/lit against leaf eating insects. ❖ Cover the base of crop with locally available mulches to avoid exposure to erosion,.
HORTICULTURAL CROPS			
Apple	Fruiting	Fruit drop / wooly aphids	<ul style="list-style-type: none"> ❖ Spray 2,4,5-T @ 20ppm or 2,4,5-TCPA @ 15ppm to inhibit fruit drop ❖ Application of paradichlorobenzene at 2 meter away from the trunk is advised against wooly aphids during clear/dry days
Kiwi	Flowering	Leaf eating beetle	<ul style="list-style-type: none"> ❖ Kiwi fruit vine should be covered with 50% shade net to protect flowers from heavy rain and hail storm. ❖ Hand collection of the insects and its destruction, ❖ Make proper drainage facility in the crop area
Ginger/ Turmeric	Germination/ Vegetative		<ul style="list-style-type: none"> ❖ Mulching ginger beds with locally available leaves/materials is advocated to enhance germination, prevent washing off during heavy rainfall, add organic matter to the soil & conserve moisture during dry seasons. ❖ Proper drainage to avoid water stagnation
Citrus	Flowering	Phytophthora	<ul style="list-style-type: none"> • During clear dry days, apply Bordeaux paste on the tree trunk upto the height of 24 inches by brush. • During clear dry days or using stickers during rain, spraying and drenching with metalaxyl MZ-72 @ 2.75 g/lit water on the tree against Phytophthora. • Prepare half moon terraces for fruit crops (orange/banana/apple/peach) in steep slopes to prevent nutrient loss due to rain.
Peach	Fruit maturing	Fruit Fly	<ul style="list-style-type: none"> ❖ Install fruit fly pheromone traps, ❖ Collect and dispose off the fallen fruits. ❖ Clean basin,
Temperate fruits	After harvesting		<ul style="list-style-type: none"> ❖ Training & pruning of the temperate crops (apple/pears/peach) is recommended

Honey Bees			
Honey bees			<ul style="list-style-type: none"> ❖ Provide sugar syrup near the box ❖ Add insulation and ventilation systems
LIVESTOCKS			
Livestock	Stage	Disease	Precautionary Practices to be followed
Pigs	All stages	FMD (high fever and appearance of mucous membrane of the mouth and foot.) Swine Fever	<ul style="list-style-type: none"> ❖ Food waste or garbage fed to swine must be cooked and sterilized properly. Cooking the different raw materials together is advocated to improve digestibility and to break- down toxins from some feeds. ❖ Avoid dampness and cover weak and sick animals with sack cloth. ❖ The bedding is always dry and that there is plenty. ❖ Right time to deworm with anti helmetic drugs (particularly Tapeworms) viz. Fento Plus @ 1 tablet per 30 kg body weight.
Fishery			<ul style="list-style-type: none"> ❖ To avoid water turbidity, use grass turfing or horticultural crop at embankment/dyke of the earthen fish pond.
Poultry	All stages		<ul style="list-style-type: none"> ❖ Provide shelter to the backyard/scavenging poultry. Feed grains in the morning/evening to supplement scavenging. ❖ Inclusion of turmeric powder @ 10g/kg feed for prevention of coccidiosis.
Cattle	All stages	FMD	<ul style="list-style-type: none"> ❖ Animals should be given lukewarm feed and water. ❖ Right time to deworm with anti helmetic drugs (particularly Tapeworms) viz. Fento Plus @ 1 tablet per 30 kg body weight. ❖ Provide proper bedding materials especially to new-born and lukewarm food & water ❖ Provide feed supplements
Mithun		FMD	<ul style="list-style-type: none"> ❖ Polyvalent FMD vaccine with serotype O, A and Asia at 6 months of age and repeat after that 6 months interval by sub-cutaneous route. ❖ Pregnant animals above 7 months of pregnancy should be avoided.
Contact Scientists (ICAR) or State Agril Staff or KVK staff for measures against adverse conditions or call at 03795-226237/226247			

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कृषि मौसम सलाहकार सेवा पत्रिका

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



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

Advisory for district: West Kameng



Weather summary of the previous week	Weather forecast valid up to 10 th June 2018
Rainfall = Bomdila: 0.0 ; Bhalukpong: 26.4 mm	Partly/mostly cloudy with possibility light/moderate rainfall. Daily maximum and minimum temperature for the following period is predicted to be 25-26°C and 17-18°C respectively. Expected morning and evening relative humidity will be 85-93% and 43-56% respectively. Wind direction is mainly NNW with speed range of 3-6 kmph.
Warning:	•

GENERAL RECOMMENDATIONS

- Spray operations may be done only during clear dry days or using proper sticker
- Manual weeding may be done
- Proper drainage to all crop to avoid runoff
- Check for vaccination schedule of livestock/poultry

DETAILS OF ADVISORIES FOR THE PERIOD

Crop	Stage	Pest/Disease	Precautionary Practices to be followed
FIELD CROPS			
Jhum rice	Leaf elongation	Leaf blast/ leaf spot/ Yellow stem borer	<ul style="list-style-type: none"> • On clear/sunny days, spray carbendazim @2g/lit water in <i>jhum</i> field to control infestation of leaf blast & leaf spot. • Collection of egg masses (Yellow cottony mass) is advised. • On anticipation of rain, provide proper drainage • Follow proper runoff management system to avoid loss of

			<p>top soil due to heavy rainfall.</p> <ul style="list-style-type: none"> Keep the surrounding clean/ weed free to avoid disease/pest harboring Manual weeding advocated during clear dry days.
Rice	Transplantation / leaf elongation	Stem borer	<ul style="list-style-type: none"> On anticipation of rain, provide proper drainage to the nursery/main field to avoid runoff Rice: Weed free & clean nursery periphery to prevent disease/pest harboring. Cut the tips of the leaves before transplanting reduces the population of stem borer as the eggs are laid on that site. It will reduce the carryover of the infestation to the main field.
Pea	Maturity	Powdery mildew/ leaf eating insects	<ul style="list-style-type: none"> Green pods can be harvested during sunny days Provide adequate drainage and avoid water stagnation near the base of the plants. Need based foliar spray of Dinocap (0.2%) or Carbendazim 50WP (0.1%) or Propiconazole (0.1%) using sticker if the infestation is high.
Toria/ Mustard	Harvesting	Aphids	<ul style="list-style-type: none"> Harvest during clear/dry days Provide adequate drainage If the infestation is high, Spray Dimethoate 30EC @2ml/litre against aphids in Rapeseed/Mustard using sticker or during clear/dry days.
VEGETABLES			
Vegetables	Vegetative	Leaf eating insects	<ul style="list-style-type: none"> Monitor for possible insect/pest attack During clear dry days or using stickers, foliar spray of Azadirachtin 0.15% EC 2@ 6ml/lit against leaf eating insects. Provide adequate drainage
Cucurbits	Flowering/ Fruiting	Leaf eating insects	<ul style="list-style-type: none"> Monitor for possible attack of insect/pests During clear dry days or using stickers, foliar spray of Azadirachtin 0.15% EC 2@ 6ml/lit against leaf eating insects. Cover the base of crop with locally available mulches to avoid exposure to erosion,.
HORTICULTURAL CROPS			
Apple	Fruiting	Fruit drop / wooly aphids	<ul style="list-style-type: none"> Spray 2,4,5-T @ 20ppm or 2,4,5-TCPA @ 15ppm to inhibit fruit drop Application of paradichlorobenzene at 2 meter away from the trunk is advised against wooly aphids during clear/dry days
Kiwi	Flowering	Leaf eating beetle	<ul style="list-style-type: none"> Kiwi fruit vine should be covered with 50% shade net to protect flowers from heavy rain and hail storm. Hand collection of the insects and its destruction, Make proper drainage facility in the crop area
Citrus	Flowering	Fruit drop/ Phytophthora	<ul style="list-style-type: none"> Foliar application of micronutrient/multiplex @ 0.2% should be done to prevent flower drop During clear dry days, apply Bordeaux paste on the tree trunk upto the height of 24 inches by brush. During clear dry days or using stickers during rain, spraying and drenching with metalaxyl MZ-72 @ 2.75 g/lit water on the tree against Phytophthora. Prepare half moon terraces for fruit crops (orange/banana/apple/peach) in steep slopes to prevent nutrient loss due to rain.
Ginger/ Turmeric	Germination/ Vegetative		<ul style="list-style-type: none"> Mulching ginger beds with locally available leaves/materials is advocated to enhance germination, prevent washing off during heavy rainfall, add organic matter to the soil & conserve moisture during dry seasons. Proper drainage to avoid water stagnation
Peach	Fruit maturing	Fruit Fly	<ul style="list-style-type: none"> Install fruit fly pheromone traps, Collect and dispose off the fallen fruits. Clean basin,

Banana	Bunching	Cold	❖ Cover newly emerged bunches with locally available sack to protect from cold/frost
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.) Swine Fever	❖ Food waste or garbage fed to swine must be cooked and sterilized properly. Cooking the different raw materials together is advocated to improve digestibility and to break- down toxins from some feeds. ❖ Avoid dampness and cover weak and sick animals with sack cloth. ❖ The bedding is always dry and that there is plenty. ❖ Right time to deworm with anti helmetic drugs (particularly Tapeworms) viz. Fento Plus @ 1 tablet per 30 kg body weight.
Fishery			❖ To avoid water turbidity, use grass turfing or horticultural crop at embankment/dyke of the earthen fish pond.
Yak	All stages		❖ Feeding of concentrate feed along with mineral mixture and salt. ❖ Hay feeding is recommended.
Poultry	All stages		❖ Provide shelter to the backyard/scavenging poultry. Feed grains in the morning/evening to supplement scavenging. ❖ Day old chick-Maintain warmth by lighting, ❖ In present weather conditions protect the birds from cold by using gunny bags/plastic sheets around the poultry shed during night, ❖ Provide heat by lighting 100W bulb @ 1 bulb per 20 newly born chicks.
Cattle	All stages	FMD	❖ Animals should be given lukewarm feed and water. ❖ Right time to deworm with anti helmetic drugs (particularly Tapeworms) viz. Fento Plus @ 1 tablet per 30 kg body weight. ❖ Provide proper bedding materials especially to new-born and lukewarm food & water ❖ Heavy mortality in cloven footed animals has been reported. ❖ Supportive treatment of infected animals under supervision of veterinary department officials, ❖ Avoid mixing of infected and healthy animals, ❖ Keep infected animals separated from the healthy ones, ❖ Vaccinate the healthy animals against FMD (Through State Veterinary Dept.) ❖ Provide feed supplements
Mithun		FMD	❖ Polyvalent FMD vaccine with serotype O, A and Asia at 6 months of age and repeat after that 6 months interval by sub-cutaneous route. ❖ Pregnant animals above 7 months of pregnancy should be avoided.
Contact Scientists (ICAR) or State Agril Staff or KVK staff for measures against adverse conditions or call at 03795-226237/226247			

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कृषि मौसम सलाहकार सेवा पत्रिका

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(Integrated Agro-Meteorological Advisory Services)



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

Advisory for district: West Siang



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

Weather summary of the previous week	Weather forecast valid up to 10 th June 2018
Basar: Rainfall =0.8 mm. T. Max: 31.2°C, T. Min: 19.0°C, RH: 56-91%, Wind Speed: 2-5 kmph, Wind Direction: NNE & WSW	Mostly cloudy with possibility of moderate to rather heavy rainfall. Daily maximum and minimum temperature for the following period is predicted to be 31-32°C and 22-23°C respectively. Expected morning and evening relative humidity will be 77-83% and 44-48% respectively. Wind direction is mainly variable with speed range of 2-5 kmph.
Warning:	• Nil

GENERAL RECOMMENDATIONS

- Spray operations may be done only during clear dry days or using proper sticker
- Manual weeding may be done
- Proper drainage to all crop to avoid runoff
- Check for vaccination schedule of livestock/poultry

DETAILS OF ADVISORIES FOR THE PERIOD

Crop	Stage	Pest/Disease	Precautionary Practices to be followed
FIELD CROPS			
WRC-RICE (Mipun)	Nursery		❖ Sowing of quality seeds in prepared nursery, ❖ Before sowing, treat seeds with solution of Carbandazim 50WP @ 1 grams in one litre of water per kilogram of seeds.
Rice	Leaf Elongation/ Tillering	Stem borer	❖ Rice: Weed free & clean nursery periphery to prevent disease/pest harboring. ❖ Rice: Spray Triazophos 40EC @ 4 ml/lit against stem borer in rice nursery as well as in main field.

Jhum rice	Rooting/ Leaf elongation	Leaf blast/ leaf spot	<ul style="list-style-type: none"> ❖ On clear/sunny days, spray carbendazim @2g/lit water in jhum field to control heavy infestation of leaf blast & leaf spot. ❖ Provide proper drainage and soil conservation measures like mulching with locally available materials. ❖ Keep the periphery clean ❖ Avoid application of fertilizer and insecticides/pesticides ❖ Manual weeding may be done during dry days
Pea	Maturity	Powdery mildew/ leaf eating insects	<ul style="list-style-type: none"> ❖ Green pods can be harvested during sunny days ❖ Provide adequate drainage and avoid water stagnation near the base of the plants. ❖ Need based foliar spray of Dinocap (0.2%) or Carbendazim 50WP (0.1%) or Propiconazole (0.1%) using sticker if the infestation is high.
Maize	Pod formation	Soybean looper	<ul style="list-style-type: none"> ❖ Provide proper drainage ❖ Spray Azadirachtin 0.15% EC 2@ 6ml/lit ❖ Monitor the crop against attack of insect pests,
Toria/ Mustard	Harvesting	Aphids	<ul style="list-style-type: none"> ❖ Harvest during clear/dry days ❖ Provide adequate drainage ❖ If the infestation is high, Spray Dimethoate 30EC @2ml/litre against aphids in Rapeseed/Mustard using sticker or during clear/dry days.
VEGETABLES			
Vegetables	Vegetative	Leaf eating insects	<ul style="list-style-type: none"> ❖ Monitor for possible insect/pest attack ❖ During clear dry days or using stickers, foliar spray of Azadirachtin 0.15% EC 2@ 6ml/lit against leaf eating insects. ❖ Provide adequate drainage
Cucurbits	Flowering/ Fruiting	Leaf eating insects	<ul style="list-style-type: none"> ❖ Monitor for possible attack of insect/pests ❖ During clear dry days or using stickers, foliar spray of Azadirachtin 0.15% EC 2@ 6ml/lit against leaf eating insects. ❖ Cover the base of crop with locally available mulches to avoid exposure to erosion,.
HORTICULTURAL CROPS			
Ginger/ Turmeric	Germination/ Vegetative		<ul style="list-style-type: none"> ❖ Mulching ginger beds with locally available leaves/materials is advocated to enhance germination, prevent washing off during heavy rainfall, add organic matter to the soil & conserve moisture during dry seasons. ❖ Proper drainage to avoid water stagnation
Citrus	Flowering	Fruit drop/ Phytophthora	<ul style="list-style-type: none"> • Foliar application of micronutrient/multiplex @ 0.2% should be done to prevent flower drop • During clear dry days, apply Bordeaux paste on the tree trunk upto the height of 24 inches by brush. • During clear dry days or using stickers during rain, spraying and drenching with metalaxyl MZ-72 @ 2.75 g/lit water on the tree against Phytophthora. • Prepare half moon terraces for fruit crops (orange/banana/apple/peach) in steep slopes to prevent nutrient loss due to rain.
Apple	Fruiting	Fruit drop / wooly aphids	<ul style="list-style-type: none"> ❖ Spray 2,4,5-T @ 20ppm or 2,4,5-TCPA @ 15ppm to inhibit fruit drop ❖ Application of paradichlorobenzene at 2 meter away from the trunk is advised against wooly aphids during clear/dry days
Kiwi	Flowering	Leaf eating beetle	<ul style="list-style-type: none"> ❖ Kiwi fruit vine should be covered with 50% shade net to protect flowers from heavy rain and hail storm. ❖ Hand collection of the insects and its destruction, ❖ Make proper drainage facility in the crop area
Peach	Fruit maturing	Fruit Fly	<ul style="list-style-type: none"> ❖ Install fruit fly pheromone traps, ❖ Collect and dispose off the fallen fruits. ❖ Clean basin,

Guava	Flowering		❖ Avoid water logging in the basin, ❖ Basin cleaning in half moon system is advised,
Banana	All stages	Scary beetles	❖ Apply Malathion dust 5D inside the whorl of the plant, ❖ Planting of new saplings may be done in present weather
Large cardamom	Sowing		❖ Sowing in primary nursery bed at 2cm depth & 10cm apart with mulching & regular irrigation. ❖ Applications of well decomposed cattle manure/compost @5kg/plant during clear/dry days.
HONEY BEES			
Honey bees			❖ Cover the boxes with locally available dry grass or straw 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.) Swine Fever	❖ Food waste or garbage fed to swine must be cooked and sterilized properly. Cooking the different raw materials together is advocated to improve digestibility and to break- down toxins from some feeds. ❖ Avoid dampness and cover weak and sick animals with sack cloth. ❖ The bedding is always dry and that there is plenty. ❖ Animals should be given lukewarm feed and water. ❖ Right time to deworm with anti helmetic drugs (particularly Tapeworms) viz. Fento Plus @ 1 tablet per 30 kg body weight.
Fishery			❖ To avoid water turbidity, use grass turfing or horticultural crop at embankment/dyke of the earthen fish pond.
Poultry	All stages		❖ Provide shelter to the backyard/scavenging poultry. Feed grains in the morning/evening to supplement scavenging. ❖ Day old chick-Maintain warmth by lighting, ❖ Inclusion of turmeric powder @ 10g/kg feed for prevention of coccidiosis.
Cattle	All stages	FMD	❖ Animals should be given lukewarm feed and water. ❖ Right time to deworm with anti helmetic drugs (particularly Tapeworms) viz. Fento Plus @ 1 tablet per 30 kg body weight. ❖ Provide feed supplements
Mithun		FMD	❖ Polyvalent FMD vaccine with serotype O, A and Asia at 6 months of age and repeat after that 6 months interval by sub-cutaneous route. ❖ Pregnant animals above 7 months of pregnancy should be avoided.
Contact Scientists (ICAR) or State Agril Staff or KVK staff for measures against adverse conditions or call at 03795-226237/226247			

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