



जिला स्तर कृषि मौसम सलाहकार सेवा पत्रिका
District Level Agro-met Advisory Bulletin
Arunachal Pradesh



(Period: 8th to 12th May 2019)

No: AMFU-Basar/2019/36

Dated: Tuesday, 7th May 2019



Gramin Krishi Mausam Sewa
 ICAR Research Complex for NEH Region, Arunachal Pradesh Centre, Basar-791101

ADVISORY FOR DISTRICT: UPPER SUBANSIRI

Weather summery of the previous week	Weather forecast valid up to 12 th May 2019
Daporijo: 17.2 mm	Partly cloudy with possibility of light/moderate rain. Daily maximum and minimum temperature for the following period is predicted to be 24.0-25.0°C and 17.0-18.0°C respectively. Expected morning and evening relative humidity will be 92-94% and 54-60% respectively. Wind direction is mainly W & NW with average wind speed range of 5.2 -6.2 kmph.
Warning:	<ul style="list-style-type: none"> Thunderstorm accompanied with gusty wind speed (30-40) KMPH and lightning is very likely to occur at isolated places over Arunachal

GENERAL RECOMMENDATIONS

- Monitor for possible attack of insects/pests
- Application of fertilizers/manure can be done during clear/dry days
- Proper drainage to all crop to avoid runoff
- Check of vaccination schedule in poultry/livestock

DETAILS OF ADVISORIES FOR THE PERIOD

Crop	Stage	Pest/Disease	Precautionary Practices to be followed
FIELD CROPS			
Rice	Nursery/transplantation	Stem borer	<ul style="list-style-type: none"> ❖ Rice: Weed free & clean nursery periphery to prevent disease/pest harboring. ❖ Wet seed treatment for 12hrs. in Carbendazim 50% WP (1g/litre of water) & Chlorpyrifos 20% EC (2ml in 10 litres of water) solution before sowing. ❖ 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.
Maize	Vegetative	Stem borer	<ul style="list-style-type: none"> ❖ Light interculture operation is advised,
Jhum field	Sowing/germination		<ul style="list-style-type: none"> ❖ Adopt sowing of leguminous crops like cowpea, frenchbean, soybean etc at 2-3 rows across the slope of jhum field at desirable intervals or ratios with rice to prevent soil erosion and conserve moisture and fertility.
VEGETABLES			
Sponge, bitter, ash, ridge gourd, pumpkin, cucumber	Sowing/Germination/Vegetative	Cut worm Damping off	<ul style="list-style-type: none"> ❖ Earthing up of germinated plants, ❖ Sowing of certified seeds in well prepared hills may be done. ❖ Protection of seeds from cut worm by application of Carbofuran, /caterpillars may be manually collected in the dusk hours in the crop field using a light source ❖ Seed treatment with copper fungicides to control damping off ❖ Application of raw cow dung should be avoided,
Tomato, Chilli	Transplanting/Vegetative/Harvesting	Fruit borer/Late blight	<ul style="list-style-type: none"> ❖ Spraying of Mancozeb @ 2 gm per litre + cypermethrin @ 2 ml per litre of water,
HORTICULTURAL CROPS			
Orange	Fruiting	Aphid	<ul style="list-style-type: none"> ❖ Planting of new seedlings procured from certified source, ❖ Pruning of water suckers, ❖ Manual removal of lichen, mosses and any epiphytes from the tree trunk and other branches, ❖ Constant monitoring of new buds of the crop for probable attack of aphid, ❖ Basin cleaning,
LIVESTOCK and POULTRY			
Livestock	Stage	Disease	Precautionary Practices to be followed
Cattle/ Mithun	All Growth		<ul style="list-style-type: none"> ❖ Vaccination with foot and mouth disease (FMD), ❖ Provide fodder supplement,
Pig	Pigs/ Piglets		<ul style="list-style-type: none"> ❖ Deworming of animals under supervision of registered practitioner, ❖ Iron supplements to piglets,
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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ADVISORY FOR DISTRICT: WEST KAMENG

Weather summery of the previous week	Weather forecast valid up to 12 th May 2019
Rainfall = Bomdila: NA ; Bhalukpong: 11.8 mm; Kalaktang: 11.6 mm	Partly cloudy with possibility of moderate rain. Daily maximum and minimum temperature for the following period is predicted to be 25.0-26.0°C and 17.0-18.0°C respectively. Expected morning and evening relative humidity will be 90-93% and 56-64% respectively. Wind direction is mainly WNW & NW wind speed range of 7.1-7.7 kmph.
WARNING:	Thunderstorm accompanied with gusty wind speed (30-40) KMPH and lightning is very likely to occur at isolated places over Arunachal

GENERAL RECOMMENDATIONS

- Monitor for possible attack of insects/pests
- Application of fertilizers/manure can be done during clear/dry days
- Proper drainage to all crop to avoid runoff
- Check of vaccination schedule in poultry/livestock

DETAILS OF ADVISORIES FOR THE PERIOD

Crop	Stage	Pest/Disease	Precautionary Practices to be followed
FIELD CROPS			
<i>Jhum</i> field			<ul style="list-style-type: none">❖ Avoid sowing in case of heavy rain.❖ Proper arrangement to avoid run-off
Rice (WRC) Early sown crop	Nursery Preparation and transplanting	Yellow stem borer	<ul style="list-style-type: none">❖ Transplanting of seedlings may be done in well puddled WRC field,❖ Cutting of upper portions of leaves of seedlings before transplanting helps in management of stem borer/ installation of Stem borer specific pheromone traps,
Maize	Sowing/ Vegetative	Leaf feeding caterpillars	<ul style="list-style-type: none">❖ Provide proper drainage facility in the crop field❖ Sowing of treated seeds may be done,❖ Monitor against leaf feeding caterpillars. These are the army worm which feeds in groups
VEGETABLES			
French Bean, black gram, green gram.	Sowing and germination	Cut worm	<ul style="list-style-type: none">❖ In view of clear weather ahead sowing of treated seeds @ 2 seeds per hill in traces and in <i>Jhum</i> areas at recommended spacing may be done,❖ Earthing up of already sown crop,❖ Protection of seeds from cut worm by application of Carbofuran. Also caterpillars may be manually collected in the dusk hours in the crop field using a light source
Sponge, bitter, ash, ridge gourd, pumpkin, cucumber	Sowing/ Germination/ Vegetative	Cut worm Damping off	<ul style="list-style-type: none">❖ Earthing up of germinated plants,❖ Sowing of certified seeds in well prepared hills may be done.❖ Protection of seeds from cut worm by application of Carbofuran, /caterpillars may be manually collected in the dusk hours in the crop field using a light source❖ Seed treatment with copper fungicides to control damping off❖ Application of raw cow dung should be avoided,
HORTICULTURAL CROPS			
Banana	---	---	<ul style="list-style-type: none">❖ New planting may be done during the week,❖ Earthing up followed by fertilizer application,
Guava	Bud initiation stage	--	<ul style="list-style-type: none">❖ Basin cleaning,❖ Water stagnation should be avoided,❖ Application of well decomposed manures and fertilizers may be done,
Pineapple	Planting	---	<ul style="list-style-type: none">❖ Planting of new suckers may be done during the week,
LIVESTOCKS			
Livestock	Stage	Disease	Precautionary Practices to be followed
Chickens	All stages		<ul style="list-style-type: none">❖ Deworming against coccidiosis,❖ Vaccination of new born chicks for Rani khet disease
Cattle/ Mithun	All Growth		<ul style="list-style-type: none">❖ Vaccination with foot and mouth disease (FMD),❖ Provide fodder supplement,
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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ADVISORY FOR DISTRICT: WEST SIANG

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

Weather summery of the previous week	Weather forecast valid up to 12 th May 2019
Rainfall: 51.2 mm, Max. T: 25.2°C, Min. T: 18.6°C, Wind Speed: 2-4 km/h, RH: 83-96%, Wind Direction: WNW	Partly cloudy with possibility of moderate rain. Daily maximum and minimum temperature for the following period is predicted to be 25.0°C and 19.0-20.0°C respectively. Expected morning and evening relative humidity will be 90-94% and 53-58% respectively. Wind direction is mainly WNW & NW with average wind speed range of 5.3-6.0 kmph.
Warning:	Thunderstorm accompanied with gusty wind speed (30-40) KMPH and lightning is very likely to occur at isolated places over Arunachal

GENERAL RECOMMENDATIONS

- Monitor for possible attack of insects/pests
- Application of fertilizers/manure can be done during clear/dry days
- Proper drainage to all crop to avoid runoff
- Check of vaccination schedule in poultry/livestock

DETAILS OF ADVISORIES FOR THE PERIOD

Crop	Stage	Pest/Disease	Precautionary Practices to be followed
FIELD CROPS			
Rice	Nursery/transplantation	Stem borer	<ul style="list-style-type: none">❖ Rice: Weed free & clean nursery periphery to prevent disease/pest harboring.❖ Wet seed treatment for 12hrs. in Carbendazim 50% WP (1g/litre of water) & Chlorpyrifos 20% EC (2ml in 10 litres of water) solution before sowing.❖ 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.
Maize	Vegetative	Stem borer	<ul style="list-style-type: none">❖ Light interculture operation is advised,
Jhum field	Sowing/germination		<ul style="list-style-type: none">❖ Adopt sowing of leguminous crops like cowpea, frenchbean, soybean etc at 2-3 rows across the slope of jhum field at desirable intervals or ratios with rice to prevent soil erosion and conserve moisture and fertility.
VEGETABLES			
Sponge, bitter, ash, ridge gourd, pumpkin, cucumber	Sowing/Germination/Vegetative	Cut worm Damping off	<ul style="list-style-type: none">❖ Earthing up of germinated plants,❖ Sowing of certified seeds in well prepared hills may be done.❖ Protection of seeds from cut worm by application of Carbofuran, /caterpillars may be manually collected in the dusk hours in the crop field using a light source❖ Seed treatment with copper fungicides to control damping off❖ Application of raw cow dung should be avoided,
Tomato, Chilli	Transplanting/Vegetative/Harvesting	Fruit borer/Late blight	<ul style="list-style-type: none">❖ Spraying of Mancozeb @ 2 gm per litre + cypermethrin @ 2 ml per litre of water,
HORTICULTURAL CROPS			
Orange	Fruiting	Aphid	<ul style="list-style-type: none">❖ Planting of new seedlings procured from certified source,❖ Pruning of water suckers,❖ Manual removal of lichen, mosses and any epiphytes from the tree trunk and other branches,❖ Constant monitoring of new buds of the crop for probable attack of aphid,❖ Basin cleaning,
LIVESTOCK and POULTRY			
Livestock	Stage	Disease	Precautionary Practices to be followed
Cattle/ Mithun	All Growth		<ul style="list-style-type: none">❖ Vaccination with foot and mouth disease (FMD),❖ Provide fodder supplement,
Pig	Pigs/ Piglets		<ul style="list-style-type: none">❖ Deworming of animals under supervision of registered practitioner,❖ Iron supplements to piglets,
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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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 12 th May 2019
No weather summary available	Partly cloudy with possibility of light/moderate rain. Daily maximum and minimum temperature for the following period is predicted to be 26.0-27.0°C and 19.0-21.0°C respectively. Expected morning and evening relative humidity will be 82-87% and 43-59% respectively. Wind direction is mainly SSE with average wind speed range of 7.6-8.1 kmph.
Warning:	❖ Thunderstorm accompanied with gusty wind speed (30-40) KMPH and lightning is very likely to occur at isolated places over Arunachal

GENERAL RECOMMENDATIONS

- ❖ Monitor for possible attack of insects/pests
- ❖ **Application of fertilizers/manure can be done during clear/dry days**
- ❖ Proper drainage to all crop to avoid runoff
- ❖ Check of vaccination schedule in poultry/livestock

DETAILS OF ADVISORIES FOR THE PERIOD

Crop	Stage	Pest/Disease	Precautionary Practices to be followed
FIELD CROPS			
<i>Jhum</i> field			❖ Avoid sowing in case of heavy rain. ❖ Proper arrangement to avoid run-off
Rice (WRC) Early sown crop	Nursery Preparation and transplanting	Yellow stem borer	❖ Transplanting of seedlings may be done in well puddled WRC field, ❖ Cutting of upper portions of leaves of seedlings before transplanting helps in management of stem borer/ installation of Stem borer specific pheromone traps,
Maize	Sowing/ Vegetative	Leaf feeding caterpillars	❖ Provide proper drainage facility in the crop field ❖ Sowing of treated seeds may be done, ❖ Monitor against leaf feeding caterpillars. These are the army worm which feeds in groups
VEGETABLES			
French Bean, black gram, green gram.	Sowing and germination	Cut worm	❖ In view of clear weather ahead sowing of treated seeds @ 2 seeds per hill in traces and in <i>Jhum</i> areas at recommended spacing may be done, ❖ Earthing up of already sown crop, ❖ Protection of seeds from cut worm by application of Carbofuran. Also caterpillars may be manually collected in the dusk hours in the crop field using a light source
Sponge, bitter, ash, ridge gourd, pumpkin, cucumber	Sowing/ Germination/ Vegetative	Cut worm Damping off	❖ Earthing up of germinated plants, ❖ Sowing of certified seeds in well prepared hills may be done. ❖ Protection of seeds from cut worm by application of Carbofuran, /caterpillars may be manually collected in the dusk hours in the crop field using a light source ❖ Seed treatment with copper fungicides to control damping off ❖ Application of raw cow dung should be avoided,
HORTICULTURAL CROPS			
Banana	---	---	❖ New planting may be done during the week, ❖ Earthing up followed by fertilizer application,
Guava	Bud initiation stage	--	❖ Basin cleaning, ❖ Water stagnation should be avoided, ❖ Application of well decomposed manures and fertilizers may be done,
Pineapple	Planting	---	❖ Planting of new suckers may be done during the week,
LIVESTOCKS			
Livestock	Stage	Disease	Precautionary Practices to be followed
Chickens	All stages		❖ Deworming against coccidiosis, ❖ Vaccination of new born chicks for Rani khet disease
Cattle/ Mithun	All Growth		❖ Vaccination with foot and mouth disease (FMD), ❖ Provide fodder supplement,
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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ADVISORY FOR DISTRICT: CHANGLANG

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

Weather summery of the previous week	Weather forecast valid up to 12 th May 2019
Rainfall = Changlang: 42.8 mm Miao: 26.9 mm	Mostly sunny to partly cloudy with possibility of light/moderate rain. Daily maximum and minimum temperature for the following period is predicted to be 28.0-29.0°C and 20.0-21.0°C respectively. Expected morning and evening relative humidity will be 71-82% and 35-50% respectively. Wind direction is mainly SE & SSE with average wind speed range of 4.3-5.3 kmph.
Warning:	<ul style="list-style-type: none">Thunderstorm accompanied with gusty wind speed (30-40) KMPH and lightning is very likely to occur at isolated places over Arunachal

GENERAL RECOMMENDATIONS

- Monitor for possible attack of insects/pests
- Application of fertilizers/manure can be done during clear/dry days
- Proper drainage to all crop to avoid runoff
- Check of vaccination schedule in poultry/livestock

DETAILS OF ADVISORIES FOR THE PERIOD

Crop	Stage	Pest/Disease	Precautionary Practices to be followed
FIELD CROPS			
Rice	Nursery/transplantation	Stem borer	<ul style="list-style-type: none">❖ Rice: Weed free & clean nursery periphery to prevent disease/pest harboring.❖ Wet seed treatment for 12hrs. in Carbendazim 50% WP (1g/litre of water) & Chlorpyrifos 20% EC (2ml in 10 litres of water) solution before sowing.❖ 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 field	Sowing/germination		<ul style="list-style-type: none">❖ Adopt sowing of leguminous crops like cowpea, frenchbean, soybean etc at 2-3 rows across the slope of jhum field at desirable intervals or ratios with rice to prevent soil erosion and conserve moisture and fertility.
VEGETABLES			
Sponge, bitter, ash, ridge gourd, pumpkin, cucumber	Sowing/Germination/Vegetative	Cut worm Damping off	<ul style="list-style-type: none">❖ Earthing up of germinated plants,❖ Sowing of certified seeds in well prepared hills may be done.❖ Protection of seeds from cut worm by application of Carbofuran, /caterpillars may be manually collected in the dusk hours in the crop field using a light source❖ Seed treatment with copper fungicides to control damping off❖ Application of raw cow dung should be avoided,
Tomato, Chilli	Transplanting/Vegetative/Harvesting	Fruit borer/Late blight	<ul style="list-style-type: none">❖ Spraying of Mancozeb @ 2 gm per litre + cypermethrin @ 2 ml per litre of water,
HORTICULTURAL CROPS			
Orange	Fruiting	Aphid	<ul style="list-style-type: none">❖ Planting of new seedlings procured from certified source,❖ Pruning of water suckers,❖ Manual removal of lichen, mosses and any epiphytes from the tree trunk and other branches,❖ Constant monitoring of new buds of the crop for probable attack of aphid,❖ Basin cleaning,
LIVESTOCK and POULTRY			
Livestock	Stage	Disease	Precautionary Practices to be followed
Cattle/ Mithun	All Growth		<ul style="list-style-type: none">❖ Vaccination with foot and mouth disease (FMD),❖ Provide fodder supplement,
Pig	Pigs/ Piglets		<ul style="list-style-type: none">❖ Deworming of animals under supervision of registered practitioner,❖ Iron supplements to piglets,

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ADVISORY FOR DISTRICT: UPPER DIBANG VALLEY

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

Weather summery of the previous week	Weather forecast valid up to 12 th May 2019
Rainfall = 39.0 mm	Mostly sunny/ partly cloudy with possibility of light/moderate rain. Daily maximum and minimum temperature for the following period is predicted to be 26.0-27.0°C and 22.0-23.0°C respectively. Expected morning and evening relative humidity will be 90-92% and 53-59% respectively. Wind direction is mainly SE & SSE with average wind speed range of 7.6-8.2 kmph.
Warning:	<ul style="list-style-type: none">Thunderstorm accompanied with gusty wind speed (30-40) KMPH and lightning is very likely to occur at isolated places over Arunachal

GENERAL RECOMMENDATIONS

- Monitor for possible attack of insects/pests
- Application of fertilizers/manure can be done during clear/dry days
- Proper drainage to all crop to avoid runoff
- Check of vaccination schedule in poultry/livestock

DETAILS OF ADVISORIES FOR THE PERIOD

Crop	Stage	Pest/Disease	Precautionary Practices to be followed
FIELD CROPS			
Rice (WRC) Early sown crop	Nursery Preparation and transplanting	Yellow stem borer	<ul style="list-style-type: none">❖ Transplanting of seedlings may be done in well puddled WRC field,❖ Cutting of upper portions of leaves of seedlings before transplanting helps in management of stem borer/ installation of Stem borer specific pheromone traps,
Maize	Sowing/ Vegetative	Leaf feeding caterpillars	<ul style="list-style-type: none">❖ Provide proper drainage facility in the crop field❖ Sowing of treated seeds may be done,❖ Monitor against leaf feeding caterpillars. These are the army worm which feeds in groups
VEGETABLES			
French Bean, black gram, green gram.	Sowing and germination	Cut worm	<ul style="list-style-type: none">❖ In view of clear weather ahead sowing of treated seeds @ 2 seeds per hill in traces and in <i>Jhum</i> areas at recommended spacing may be done,❖ Earthing up of already sown crop,❖ Protection of seeds from cut worm by application of Carbofuran. Also caterpillars may be manually collected in the dusk hours in the crop field using a light source
Sponge, bitter, ash, ridge gourd, pumpkin, cucumber	Sowing/ Germination/ Vegetative	Cut worm Damping off	<ul style="list-style-type: none">❖ Earthing up of germinated plants,❖ Sowing of certified seeds in well prepared hills may be done.❖ Protection of seeds from cut worm by application of Carbofuran, /caterpillars may be manually collected in the dusk hours in the crop field using a light source❖ Seed treatment with copper fungicides to control damping off❖ Application of raw cow dung should be avoided,
HORTICULTURAL CROPS			
Banana	---	---	<ul style="list-style-type: none">❖ New planting may be done during the week,❖ Earthing up followed by fertilizer application,
Guava	Bud initiation stage	--	<ul style="list-style-type: none">❖ Basin cleaning,❖ Water stagnation should be avoided,❖ Application of well decomposed manures and fertilizers may be done,
LIVESTOCKS			
Livestock	Stage	Disease	Precautionary Practices to be followed
Chickens	All stages		<ul style="list-style-type: none">❖ Deworming against coccidiosis,❖ Vaccination of new born chicks for Rani khet disease
Cattle/ Mithun	All Growth		<ul style="list-style-type: none">❖ Vaccination with foot and mouth disease (FMD),❖ Provide fodder supplement,
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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ADVISORY FOR DISTRICT: EAST KAMENG

Weather summary of the previous week	Weather forecast valid up to 12 th May 2019
Rainfall =15.7 mm	Partly cloudy with possibility of moderate rainfall. Daily maximum and minimum temperature for the following period is predicted to be 25-26°C and 16.0-17.0°C respectively. Expected morning and evening relative humidity will be 89-94% and 54-64% respectively. Wind direction is mainly SE & SSE with average wind speed range of 6.0-6.3 kmph.
Warning:	<ul style="list-style-type: none">Thunderstorm accompanied with gusty wind speed (30-40) KMPH and lightning is very likely to occur at isolated places over Arunachal

GENERAL RECOMMENDATIONS⁶

- Monitor for possible attack of insects/pests
- Application of fertilizers/manure can be done during clear/dry days
- Proper drainage to all crop to avoid runoff
- Check of vaccination schedule in poultry/livestock

DETAILS OF ADVISORIES FOR THE PERIOD

Crop	Stage	Pest/Disease	Precautionary Practices to be followed
FIELD CROPS			
Rice	Nursery/transplantation	Stem borer	<ul style="list-style-type: none">Rice: Weed free & clean nursery periphery to prevent disease/pest harboring.Wet seed treatment for 12hrs. in Carbendazim 50% WP (1g/litre of water) & Chlorpyrifos 20% EC (2ml in 10 litres of water) solution before sowing.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.
Maize	Vegetative	Stem borer	<ul style="list-style-type: none">Light interculture operation is advised,
Jhum field	Sowing/germination		<ul style="list-style-type: none">Adopt sowing of leguminous crops like cowpea, frenchbean, soybean etc at 2-3 rows across the slope of jhum field at desirable intervals or ratios with rice to prevent soil erosion and conserve moisture and fertility.
VEGETABLES			
Sponge, bitter, ash, ridge gourd, pumpkin, cucumber	Sowing/Germination/Vegetative	Cut worm Damping off	<ul style="list-style-type: none">Earthing up of germinated plants,Sowing of certified seeds in well prepared hills may be done.Protection of seeds from cut worm by application of Carbofuran, /caterpillars may be manually collected in the dusk hours in the crop field using a light sourceSeed treatment with copper fungicides to control damping offApplication of raw cow dung should be avoided,
Tomato, Chilli	Transplanting/Vegetative/Harvesting	Fruit borer/ Late blight	<ul style="list-style-type: none">Spraying of Mancozeb @ 2 gm per litre + cypermethrin @ 2 ml per litre of water,
HORTICULTURAL CROPS			
Orange	Fruiting	Aphid	<ul style="list-style-type: none">Planting of new seedlings procured from certified source,Pruning of water suckers,Manual removal of lichen, mosses and any epiphytes from the tree trunk and other branches,Constant monitoring of new buds of the crop for probable attack of aphid,Basin cleaning,
LIVESTOCK and POULTRY			
Livestock	Stage	Disease	Precautionary Practices to be followed
Cattle/ Mithun	All Growth		<ul style="list-style-type: none">Vaccination with foot and mouth disease (FMD),Provide fodder supplement,
Pig	Pigs/ Piglets		<ul style="list-style-type: none">Deworming of animals under supervision of registered practitioner,Iron supplements to piglets,
Contact Scientists (ICAR) or State Agril Staff or KVK staff for measures against adverse conditions or call at 03795-226237/226247			



जिला स्तर कृषि मौसम सलाहकार सेवा पत्रिका
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Arunachal Pradesh



(Period: 8th to 12th May 2019)

No: AMFU-Basar/2019/36

Dated: Tuesday, 7th May 2019



Gramin Krishi Mausam Sewa
 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 12 th May 2019
Rainfall: 74.8 mm; T. Max: 28.0°C; T. Min: 20.0°C ; RH: 71-100%	Partly cloudy with possibility of light to rather heavy rain. Daily maximum and minimum temperature for the following period is predicted to be 24.0-26.0°C and 19.0-21.0°C respectively. Expected morning and evening relative humidity will be 81-93% and 39-56% respectively. Wind direction is mainly WSW & SW with average wind speed range of 5.6-5.9 kmph.
Warning:	<ul style="list-style-type: none"> Thunderstorm accompanied with gusty wind speed (30-40) KMPH and lightning is very likely to occur at isolated places over Arunachal

GENERAL RECOMMENDATIONS			
<ul style="list-style-type: none"> Monitor for possible attack of insects/pests Application of fertilizers/manure can be done during clear/dry days Proper drainage to all crop to avoid runoff Check of vaccination schedule in poultry/livestock 			
DETAILS OF ADVISORIES FOR THE PERIOD			
Crop	Stage	Pest/Disease	Precautionary Practices to be followed
FIELD CROPS			
Rice	Nursery/transplantation	Stem borer	<ul style="list-style-type: none"> Rice: Weed free & clean nursery periphery to prevent disease/pest harboring. Wet seed treatment for 12hrs. in Carbendazim 50% WP (1g/litre of water) & Chlorpyrifos 20% EC (2ml in 10 litres of water) solution before sowing. 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.
Maize	Vegetative	Stem borer	<ul style="list-style-type: none"> Light interculture operation is advised,
Jhum field	Sowing/germination		<ul style="list-style-type: none"> Adopt sowing of leguminous crops like cowpea, frenchbean, soybean etc at 2-3 rows across the slope of jhum field at desirable intervals or ratios with rice to prevent soil erosion and conserve moisture and fertility.
VEGETABLES			
Sponge, bitter, ash, ridge gourd, pumpkin, cucumber	Sowing/Germination/Vegetative	Cut worm Damping off	<ul style="list-style-type: none"> Earthing up of germinated plants, Sowing of certified seeds in well prepared hills may be done. Protection of seeds from cut worm by application of Carbofuran, /caterpillars may be manually collected in the dusk hours in the crop field using a light source Seed treatment with copper fungicides to control damping off Application of raw cow dung should be avoided,
Tomato, Chilli	Transplanting/Vegetative/Harvesting	Fruit borer/Late blight	<ul style="list-style-type: none"> Spraying of Mancozeb @ 2 gm per litre + cypermethrin @ 2 ml per litre of water,
HORTICULTURAL CROPS			
Orange	Fruiting	Aphid	<ul style="list-style-type: none"> Planting of new seedlings procured from certified source, Pruning of water suckers, Manual removal of lichen, mosses and any epiphytes from the tree trunk and other branches, Constant monitoring of new buds of the crop for probable attack of aphid, Basin cleaning,
LIVESTOCK and POULTRY			
Livestock	Stage	Disease	Precautionary Practices to be followed
Cattle/ Mithun	All Growth		<ul style="list-style-type: none"> Vaccination with foot and mouth disease (FMD), Provide fodder supplement,
Pig	Pigs/ Piglets		<ul style="list-style-type: none"> Deworming of animals under supervision of registered practitioner, Iron supplements to piglets,
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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ADVISORY FOR DISTRICT: KURUNG KUMEY

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

Weather summery of the previous week	Weather forecast valid up to 12 th May 2019
Rainfall (Koloriang): 17.2 mm	Partly cloudy with possibility of light/moderate rain. Daily maximum and minimum temperature for the following period is predicted to be 24.0-26.0°C and 15.0-16.0°C respectively. Expected morning and evening relative humidity will be 92-94% and 51-56% respectively. Wind direction is mainly W & WNW with average wind speed range of 5.8-6.4 kmph.
Warning:	<ul style="list-style-type: none">Thunderstorm accompanied with gusty wind speed (30-40) KMPH and lightning is very likely to occur at isolated places over Arunachal

GENERAL RECOMMENDATIONS

- Monitor for possible attack of insects/pests
- Application of fertilizers/manure can be done during clear/dry days
- Proper drainage to all crop to avoid runoff
- Check of vaccination schedule in poultry/livestock

DETAILS OF ADVISORIES FOR THE PERIOD

Crop	Stage	Pest/Disease	Precautionary Practices to be followed
FIELD CROPS			
Rice (WRC) Early sown crop	Nursery Preparation and transplanting	Yellow stem borer	<ul style="list-style-type: none">❖ Transplanting of seedlings may be done in well puddled WRC field,❖ Cutting of upper portions of leaves of seedlings before transplanting helps in management of stem borer/ installation of Stem borer specific pheromone traps,
Maize	Sowing/ Vegetative	Leaf feeding caterpillars	<ul style="list-style-type: none">❖ Provide proper drainage facility in the crop field❖ Sowing of treated seeds may be done,❖ Monitor against leaf feeding caterpillars. These are the army worm which feeds in groups
VEGETABLES			
French Bean, black gram, green gram.	Sowing and germination	Cut worm	<ul style="list-style-type: none">❖ In view of clear weather ahead sowing of treated seeds @ 2 seeds per hill in traces and in <i>Jhum</i> areas at recommended spacing may be done,❖ Earthing up of already sown crop,❖ Protection of seeds from cut worm by application of Carbofuran. Also caterpillars may be manually collected in the dusk hours in the crop field using a light source
Sponge, bitter, ash, ridge gourd, pumpkin, cucumber	Sowing/ Germination/ Vegetative	Cut worm Damping off	<ul style="list-style-type: none">❖ Earthing up of germinated plants,❖ Sowing of certified seeds in well prepared hills may be done.❖ Protection of seeds from cut worm by application of Carbofuran, /caterpillars may be manually collected in the dusk hours in the crop field using a light source❖ Seed treatment with copper fungicides to control damping off❖ Application of raw cow dung should be avoided,
HORTICULTURAL CROPS			
Banana	---	---	<ul style="list-style-type: none">❖ New planting may be done during the week,❖ Earthing up followed by fertilizer application,
Guava	Bud initiation stage	--	<ul style="list-style-type: none">❖ Basin cleaning,❖ Water stagnation should be avoided,❖ Application of well decomposed manures and fertilizers may be done,
Pineapple	Planting	---	<ul style="list-style-type: none">❖ Planting of new suckers may be done during the week,
LIVESTOCKS			
Livestock	Stage	Disease	Precautionary Practices to be followed
Chickens	All stages		<ul style="list-style-type: none">❖ Deworming against coccidiosis,❖ Vaccination of new born chicks for Rani khet disease
Cattle/ Mithun	All Growth		<ul style="list-style-type: none">❖ Vaccination with foot and mouth disease (FMD),❖ Provide fodder supplement,
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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ADVISORY FOR DISTRICT: LOHIT

Weather summary of the previous week	Weather forecast valid up to 12 th May 2019
Rainfall: 48.4 mm (Tezu)	Partly cloudy with possibility of light to rather heavy rain. Daily maximum and minimum temperature for the following period is predicted to be 25.0-27.0°C and 20.0-23.0°C respectively. Expected morning and evening relative humidity will be 71-81% and 39-56% respectively. Wind direction is mainly E & NE average wind speed range of 6.3-7.3 kmph.
Warning	<ul style="list-style-type: none"> Thunderstorm accompanied with gusty wind speed (30-40) KMPH and lightning is very likely to occur at isolated places over Arunachal

GENERAL RECOMMENDATIONS

- Monitor for possible attack of insects/pests
- Application of fertilizers/manure can be done during clear/dry days
- Proper drainage to all crop to avoid runoff
- Check of vaccination schedule in poultry/livestock

DETAILS OF ADVISORIES FOR THE PERIOD

Crop	Stage	Pest/Disease	Precautionary Practices to be followed
FIELD CROPS			
Rice	Nursery/transplantation	Stem borer	<ul style="list-style-type: none"> ❖ Rice: Weed free & clean nursery periphery to prevent disease/pest harboring. ❖ Wet seed treatment for 12hrs. in Carbendazim 50% WP (1g/litre of water) & Chlorpyrifos 20% EC (2ml in 10 litres of water) solution before sowing. ❖ 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.
Maize	Vegetative	Stem borer	<ul style="list-style-type: none"> ❖ Light interculture operation is advised,
Jhum field	Sowing/germination		<ul style="list-style-type: none"> ❖ Adopt sowing of leguminous crops like cowpea, frenchbean, soybean etc at 2-3 rows across the slope of jhum field at desirable intervals or ratios with rice to prevent soil erosion and conserve moisture and fertility.
VEGETABLES			
Sponge, bitter, ash, ridge gourd, pumpkin, cucumber	Sowing/Germination/Vegetative	Cut worm Damping off	<ul style="list-style-type: none"> ❖ Earthing up of germinated plants, ❖ Sowing of certified seeds in well prepared hills may be done. ❖ Protection of seeds from cut worm by application of Carbofuran, /caterpillars may be manually collected in the dusk hours in the crop field using a light source ❖ Seed treatment with copper fungicides to control damping off ❖ Application of raw cow dung should be avoided,
Tomato, Chilli	Transplanting/Vegetative/Harvesting	Fruit borer/ Late blight	<ul style="list-style-type: none"> ❖ Spraying of Mancozeb @ 2 gm per litre + cypermethrin @ 2 ml per litre of water,
HORTICULTURAL CROPS			
Orange	Fruiting	Aphid	<ul style="list-style-type: none"> ❖ Planting of new seedlings procured from certified source, ❖ Pruning of water suckers, ❖ Manual removal of lichen, mosses and any epiphytes from the tree trunk and other branches, ❖ Constant monitoring of new buds of the crop for probable attack of aphid, ❖ Basin cleaning,
LIVESTOCK and POULTRY			
Livestock	Stage	Disease	Precautionary Practices to be followed
Cattle/ Mithun	All Growth		<ul style="list-style-type: none"> ❖ Vaccination with foot and mouth disease (FMD), ❖ Provide fodder supplement,
Pig	Pigs/ Piglets		<ul style="list-style-type: none"> ❖ Deworming of animals under supervision of registered practitioner, ❖ Iron supplements to piglets,
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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ICAR Research Complex for NEH Region, Arunachal Pradesh Centre, Basar-791101

ADVISORY FOR DISTRICT: LOWER DIBANG VALLEY

Weather summery of the previous week	Weather forecast valid up to 12 th May 2019
Rainfall (Roing): 36.4 mm	Partly cloudy with possibility of light to rather heavy rain. Daily maximum and minimum temperature for the following period is predicted to be 25.0-27.0°C and 20.0-21.0°C respectively. Expected morning and evening relative humidity will be 81-89% and 41-54% respectively. Wind direction is mainly SE & SSE with average wind speed range of 7.1-7.4 kmph.
Warning:	<ul style="list-style-type: none">Thunderstorm accompanied with gusty wind speed (30-40) KMPH and lightning is very likely to occur at isolated places over Arunachal

GENERAL RECOMMENDATIONS

- Monitor for possible attack of insects/pests
- Application of fertilizers/manure can be done during clear/dry days
- Proper drainage to all crop to avoid runoff
- Check of vaccination schedule in poultry/livestock

DETAILS OF ADVISORIES FOR THE PERIOD

Crop	Stage	Pest/Disease	Precautionary Practices to be followed
FIELD CROPS			
Rice	Nursery/transplantation	Stem borer	<ul style="list-style-type: none">❖ Rice: Weed free & clean nursery periphery to prevent disease/pest harboring.❖ Wet seed treatment for 12hrs. in Carbendazim 50% WP (1g/litre of water) & Chlorpyrifos 20% EC (2ml in 10 litres of water) solution before sowing.❖ 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.
Maize	Vegetative	Stem borer	<ul style="list-style-type: none">❖ Light interculture operation is advised,
Jhum field	Sowing/germination		<ul style="list-style-type: none">❖ Adopt sowing of leguminous crops like cowpea, frenchbean, soybean etc at 2-3 rows across the slope of jhum field at desirable intervals or ratios with rice to prevent soil erosion and conserve moisture and fertility.
VEGETABLES			
Sponge, bitter, ash, ridge gourd, pumpkin, cucumber	Sowing/Germination/Vegetative	Cut worm Damping off	<ul style="list-style-type: none">❖ Earthing up of germinated plants,❖ Sowing of certified seeds in well prepared hills may be done.❖ Protection of seeds from cut worm by application of Carbofuran, /caterpillars may be manually collected in the dusk hours in the crop field using a light source❖ Seed treatment with copper fungicides to control damping off❖ Application of raw cow dung should be avoided,
Tomato, Chilli	Transplanting/Vegetative/Harvesting	Fruit borer/Late blight	<ul style="list-style-type: none">❖ Spraying of Mancozeb @ 2 gm per litre + cypermethrin @ 2 ml per litre of water,
HORTICULTURAL CROPS			
Orange	Fruiting	Aphid	<ul style="list-style-type: none">❖ Planting of new seedlings procured from certified source,❖ Pruning of water suckers,❖ Manual removal of lichen, mosses and any epiphytes from the tree trunk and other branches,❖ Constant monitoring of new buds of the crop for probable attack of aphid,❖ Basin cleaning,
LIVESTOCK and POULTRY			
Livestock	Stage	Disease	Precautionary Practices to be followed
Cattle/ Mithun	All Growth		<ul style="list-style-type: none">❖ Vaccination with foot and mouth disease (FMD),❖ Provide fodder supplement,
Pig	Pigs/ Piglets		<ul style="list-style-type: none">❖ Deworming of animals under supervision of registered practitioner,❖ Iron supplements to piglets,
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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ICAR Research Complex for NEH Region, Arunachal Pradesh Centre, Basar-791101

ADVISORY FOR DISTRICT: LOWER SUBANSIRI

Weather summery of the previous week	Weather forecast valid up to 12 th May 2019
Ziro: 51.2 mm	Partly cloudy with possibility moderate to rather heavy rain. Daily maximum and minimum temperature for the following period is predicted to be 24.0-28.0°C and 17.0-19.0°C respectively. Expected morning and evening relative humidity will be 91-96% and 54-69% respectively. Wind direction is mainly W with average wind speed range of 4.5-5.1 kmph.
Warning:	<ul style="list-style-type: none">Thunderstorm accompanied with gusty wind speed (30-40) KMPH and lightning is very likely to occur at isolated places over Arunachal

GENERAL RECOMMENDATIONS			
<ul style="list-style-type: none">Monitor for possible attack of insects/pestsApplication of fertilizers/manure can be done during clear/dry daysProper drainage to all crop to avoid runoffCheck of vaccination schedule in poultry/livestock			
DETAILS OF ADVISORIES FOR THE PERIOD			
Crop	Stage	Pest/Disease	Precautionary Practices to be followed
FIELD CROPS			
Jhum field			<ul style="list-style-type: none">Avoid sowing in case of heavy rain.Proper arrangement to avoid run-off
Rice (WRC) Early sown crop	Nursery Preparation and transplanting	Yellow stem borer	<ul style="list-style-type: none">Transplanting of seedlings may be done in well puddled WRC field,Cutting of upper portions of leaves of seedlings before transplanting helps in management of stem borer/ installation of Stem borer specific pheromone traps,
Maize	Sowing/ Vegetative	Leaf feeding caterpillars	<ul style="list-style-type: none">Provide proper drainage facility in the crop fieldSowing of treated seeds may be done,Monitor against leaf feeding caterpillars. These are the army worm which feeds in groups
VEGETABLES			
French Bean, black gram, green gram.	Sowing and germination	Cut worm	<ul style="list-style-type: none">In view of clear weather ahead sowing of treated seeds @ 2 seeds per hill in traces and in Jhum areas at recommended spacing may be done,Earthing up of already sown crop,Protection of seeds from cut worm by application of Carbofuran. Also caterpillars may be manually collected in the dusk hours in the crop field using a light source
Sponge, bitter, ash, ridge gourd, pumpkin, cucumber	Sowing/ Germination/ Vegetative	Cut worm Damping off	<ul style="list-style-type: none">Earthing up of germinated plants,Sowing of certified seeds in well prepared hills may be done.Protection of seeds from cut worm by application of Carbofuran, /caterpillars may be manually collected in the dusk hours in the crop field using a light sourceSeed treatment with copper fungicides to control damping offApplication of raw cow dung should be avoided,
HORTICULTURAL CROPS			
Banana	---	---	<ul style="list-style-type: none">New planting may be done during the week,Earthing up followed by fertilizer application,
Guava	Bud initiation stage	--	<ul style="list-style-type: none">Basin cleaning,Water stagnation should be avoided,Application of well decomposed manures and fertilizers may be done,
Pineapple	Planting	---	<ul style="list-style-type: none">Planting of new suckers may be done during the week,
LIVESTOCKS			
Livestock	Stage	Disease	Precautionary Practices to be followed
Chickens	All stages		<ul style="list-style-type: none">Deworming against coccidiosis,Vaccination of new born chicks for Rani khet disease
Cattle/ Mithun	All Growth		<ul style="list-style-type: none">Vaccination with foot and mouth disease (FMD),Provide fodder supplement,
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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ADVISORY FOR DISTRICT: PAPUM PARE

Weather summery of the previous week	Weather forecast valid up to 12 th May 2019
Rainfall: 82.6 mm; T. Max: 30.0°C; T. Min: 21.0°C ; RH: 74-93%	Partly cloudy with possibility of moderate to rather heavy rain. Daily maximum and minimum temperature for the following period is predicted to be 24.0-29.0°C and 20.0°C respectively. Expected morning and evening relative humidity will be 85-95% and 59-72% respectively. Wind direction is mainly ENE & E with average wind speed range of 5.0-5.8 kmph.
Warning:	<ul style="list-style-type: none"> Thunderstorm accompanied with gusty wind speed (30-40) KMPH and lightning is very likely to occur at isolated places over Arunachal

GENERAL RECOMMENDATIONS

- Monitor for possible attack of insects/pests
- Application of fertilizers/manure can be done during clear/dry days
- Proper drainage to all crop to avoid runoff
- Check of vaccination schedule in poultry/livestock

DETAILS OF ADVISORIES FOR THE PERIOD

Crop	Stage	Pest/Disease	Precautionary Practices to be followed
FIELD CROPS			
Rice	Nursery/transplantation	Stem borer	<ul style="list-style-type: none"> ❖ Rice: Weed free & clean nursery periphery to prevent disease/pest harboring. ❖ Wet seed treatment for 12hrs. in Carbendazim 50% WP (1g/litre of water) & Chlorpyrifos 20% EC (2ml in 10 litres of water) solution before sowing. ❖ 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.
Maize	Vegetative	Stem borer	<ul style="list-style-type: none"> ❖ Light interculture operation is advised,
Jhum field	Sowing/germination		<ul style="list-style-type: none"> ❖ Adopt sowing of leguminous crops like cowpea, frenchbean, soybean etc at 2-3 rows across the slope of jhum field at desirable intervals or ratios with rice to prevent soil erosion and conserve moisture and fertility.
VEGETABLES			
Sponge, bitter, ash, ridge gourd, pumpkin, cucumber	Sowing/Germination/Vegetative	Cut worm Damping off	<ul style="list-style-type: none"> ❖ Earthing up of germinated plants, ❖ Sowing of certified seeds in well prepared hills may be done. ❖ Protection of seeds from cut worm by application of Carbofuran, /caterpillars may be manually collected in the dusk hours in the crop field using a light source ❖ Seed treatment with copper fungicides to control damping off ❖ Application of raw cow dung should be avoided,
Tomato, Chilli	Transplanting/Vegetative/Harvesting	Fruit borer/ Late blight	<ul style="list-style-type: none"> ❖ Spraying of Mancozeb @ 2 gm per litre + cypermethrin @ 2 ml per litre of water,
HORTICULTURAL CROPS			
Orange	Fruiting	Aphid	<ul style="list-style-type: none"> ❖ Planting of new seedlings procured from certified source, ❖ Pruning of water suckers, ❖ Manual removal of lichen, mosses and any epiphytes from the tree trunk and other branches, ❖ Constant monitoring of new buds of the crop for probable attack of aphid, ❖ Basin cleaning,
LIVESTOCK and POULTRY			
Livestock	Stage	Disease	Precautionary Practices to be followed
Cattle/ Mithun	All Growth		<ul style="list-style-type: none"> ❖ Vaccination with foot and mouth disease (FMD), ❖ Provide fodder supplement,
Pig	Pigs/ Piglets		<ul style="list-style-type: none"> ❖ Deworming of animals under supervision of registered practitioner, ❖ Iron supplements to piglets,
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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ADVISORY FOR DISTRICT: TAWANG

Weather summery of the previous week	Weather forecast valid up to 12 th May 2019
Rainfall: 28.0 mm	Mostly sunny with possibility of very light rain. Daily maximum and minimum temperature for the following period is predicted to be 14.0-15.0°C and 5.0-6.0°C respectively. Expected morning and evening relative humidity will be 84-94% and 40-49% respectively. Wind direction is mainly E & SSW with average wind speed range of 7.7-9.3 kmph.
Warning:	<ul style="list-style-type: none">Thunderstorm accompanied with gusty wind speed (30-40) KMPH and lightning is very likely to occur at isolated places over Arunachal

GENERAL RECOMMENDATIONS

- Monitor for possible attack of insects/pests
- Application of fertilizers/manure can be done during clear/dry days
- Proper drainage to all crop to avoid runoff
- Check of vaccination schedule in poultry/livestock

DETAILS OF ADVISORIES FOR THE PERIOD

FIELD CROPS

<i>Jhum</i> field			<ul style="list-style-type: none">❖ Sowing advocated❖ Make proper arrangement of drainage to avoid water stagnation and runoff.
Rice (WRC) Early sown crop	Nursery Preparation and transplanting	Yellow stem borer	<ul style="list-style-type: none">❖ Transplanting of seedlings may be done in well puddled WRC field,❖ Cutting of upper portions of leaves of seedlings before transplanting helps in management of stem borer/ installation of Stem borer specific pheromone traps,
Maize	Sowing/ Vegetative	Leaf feeding caterpillars	<ul style="list-style-type: none">❖ Provide proper drainage facility in the crop field❖ Sowing of treated seeds may be done,❖ Monitor against leaf feeding caterpillars. These are the army worm which feeds in groups

VEGETABLES

French Bean, black gram, green gram.	Sowing and germination	Cut worm	<ul style="list-style-type: none">❖ In view of clear weather ahead sowing of treated seeds @ 2 seeds per hill in traces and in <i>Jhum</i> areas at recommended spacing may be done,❖ Earthing up of already sown crop,❖ Protection of seeds from cut worm by application of Carbofuran. Also caterpillars may be manually collected in the dusk hours in the crop field using a light source
Sponge, bitter, ash, ridge gourd, pumpkin, cucumber	Sowing/ Germination/ Vegetative	Cut worm Damping off	<ul style="list-style-type: none">❖ Earthing up of germinated plants,❖ Sowing of certified seeds in well prepared hills may be done.❖ Protection of seeds from cut worm by application of Carbofuran, /caterpillars may be manually collected in the dusk hours in the crop field using a light source❖ Seed treatment with copper fungicides to control damping off❖ Application of raw cow dung should be avoided,

HORTICULTURAL CROPS

Banana	---	---	<ul style="list-style-type: none">❖ New planting may be done during the week,❖ Earthing up followed by fertilizer application,
Guava	Bud initiation stage	--	<ul style="list-style-type: none">❖ Basin cleaning,❖ Water stagnation should be avoided,❖ Application of well decomposed manures and fertilizers may be done,
Pineapple	Planting	---	<ul style="list-style-type: none">❖ Planting of new suckers may be done during the week,

LIVESTOCKS

Livestock	Stage	Disease	Precautionary Practices to be followed
Chickens	All stages		<ul style="list-style-type: none">❖ Deworming against coccidiosis,❖ Vaccination of new born chicks for Rani khet disease
Cattle/ Mithun	All Growth		<ul style="list-style-type: none">❖ Vaccination with foot and mouth disease (FMD),❖ Provide fodder supplement,

Contact Scientists (ICAR) or State Agril Staff or KVK staff for measures against adverse conditions or call at 03795-226237/226247



जिला स्तर कृषि मौसम सलाहकार सेवा पत्रिका
District Level Agro-met Advisory Bulletin
Arunachal Pradesh

(Period: 8th to 12th May 2019)

No: AMFU-Basar/2019/36

Dated: Tuesday, 7th May 2019



Gramin Krishi Mausam Sewa
ICAR Research Complex for NEH Region, Arunachal Pradesh Centre, Basar-791101

ADVISORY FOR DISTRICT: TIRAP

Weather summery of the previous week	Weather forecast valid up to 12 th May 2019
Rainfall: NA	Partly cloudy with possibility of light/moderate rain. Daily maximum and minimum temperature for the following period is predicted to be 28.0-29.0°C and 19.0-20.0°C respectively. Expected morning and evening relative humidity will be 78-85% and 39-54% respectively. Wind direction is mainly SSE & ESE with average wind speed range of 4.1-4.7 kmph.
Warning:	<ul style="list-style-type: none">Thunderstorm accompanied with gusty wind speed (30-40) KMPH and lightning is very likely to occur at isolated places over Arunachal

GENERAL RECOMMENDATIONS

- Avoid all spray operations
- Application of fertilizers/manure may be avoided
- Proper drainage to all crop to avoid runoff
- Check of vaccination schedule in poultry/livestock

DETAILS OF ADVISORIES FOR THE PERIOD

Crop	Stage	Pest/Disease	Precautionary Practices to be followed
FIELD CROPS			
Rice	Nursery/transplantation	Stem borer	<ul style="list-style-type: none">❖ Rice: Weed free & clean nursery periphery to prevent disease/pest harboring.❖ Wet seed treatment for 12hrs. in Carbendazim 50% WP (1g/litre of water) & Chlorpyrifos 20% EC (2ml in 10 litres of water) solution before sowing.❖ 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.
Maize	Vegetative	Stem borer	<ul style="list-style-type: none">❖ Light interculture operation is advised,
Jhum field	Sowing/germination		<ul style="list-style-type: none">❖ Adopt sowing of leguminous crops like cowpea, frenchbean, soybean etc at 2-3 rows across the slope of jhum field at desirable intervals or ratios with rice to prevent soil erosion and conserve moisture and fertility.
VEGETABLES			
Sponge, bitter, ash, ridge gourd, pumpkin, cucumber	Sowing/Germination/Vegetative	Cut worm Damping off	<ul style="list-style-type: none">❖ Earthing up of germinated plants,❖ Sowing of certified seeds in well prepared hills may be done.❖ Protection of seeds from cut worm by application of Carbofuran, /caterpillars may be manually collected in the dusk hours in the crop field using a light source❖ Seed treatment with copper fungicides to control damping off❖ Application of raw cow dung should be avoided,
Tomato, Chilli	Transplanting/Vegetative/Harvesting	Fruit borer/Late blight	<ul style="list-style-type: none">❖ Spraying of Mancozeb @ 2 gm per litre + cypermethrin @ 2 ml per litre of water,
HORTICULTURAL CROPS			
Orange	Fruiting	Aphid	<ul style="list-style-type: none">❖ Planting of new seedlings procured from certified source,❖ Pruning of water suckers,❖ Manual removal of lichen, mosses and any epiphytes from the tree trunk and other branches,❖ Constant monitoring of new buds of the crop for probable attack of aphid,❖ Basin cleaning,
LIVESTOCK and POULTRY			
Livestock	Stage	Disease	Precautionary Practices to be followed
Cattle/ Mithun	All Growth		<ul style="list-style-type: none">❖ Vaccination with foot and mouth disease (FMD),❖ Provide fodder supplement,
Pig	Pigs/ Piglets		<ul style="list-style-type: none">❖ Deworming of animals under supervision of registered practitioner,❖ Iron supplements to piglets,
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Gramin Krishi Mausam Sewa

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

ADVISORY FOR DISTRICT: UPPER SIANG

Weather summery of the previous week	Weather forecast valid up to 12 th May 2019
Rainfall: NA	Partly cloudy with possibility of moderate rain. Daily maximum and minimum temperature for the following period is predicted to be 25.0-26.0°C and 15.0-16.0°C respectively. Expected morning and evening relative humidity will be 90-92% and 51-57% respectively. Wind direction is mainly SSW & SW with average wind speed range of 6.2-6.7 kmph.
Warning:	<ul style="list-style-type: none">Thunderstorm accompanied with gusty wind speed (30-40) KMPH and lightning is very likely to occur at isolated places over Arunachal

GENERAL RECOMMENDATIONS <ul style="list-style-type: none">Monitor for possible attack of insects/pestsApplication of fertilizers/manure can be done during clear/dry daysProper drainage to all crop to avoid runoffCheck of vaccination schedule in poultry/livestock			
DETAILS OF ADVISORIES FOR THE PERIOD			
Crop	Stage	Pest/Disease	Precautionary Practices to be followed
FIELD CROPS			
Rice (WRC) Early sown crop	Nursery Preparation and transplanting	Yellow stem borer	<ul style="list-style-type: none">❖ Transplanting of seedlings may be done in well puddled WRC field,❖ Cutting of upper portions of leaves of seedlings before transplanting helps in management of stem borer/ installation of Stem borer specific pheromone traps,
Maize	Sowing/ Vegetative	Leaf feeding caterpillars	<ul style="list-style-type: none">❖ Provide proper drainage facility in the crop field❖ Sowing of treated seeds may be done,❖ <u>Monitor against leaf feeding caterpillars. These are the army worm which feeds in groups</u>
VEGETABLES			
French Bean, black gram, green gram.	Sowing and germination	Cut worm	<ul style="list-style-type: none">❖ In view of clear weather ahead sowing of treated seeds @ 2 seeds per hill in traces and in <i>Jhum</i> areas at recommended spacing may be done,❖ Earthing up of already sown crop,❖ Protection of seeds from cut worm by application of Carbofuran. Also caterpillars may be manually collected in the dusk hours in the crop field using a light source
Sponge, bitter, ash, ridge gourd, pumpkin, cucumber	Sowing/ Germination/ Vegetative	Cut worm Damping off	<ul style="list-style-type: none">❖ Earthing up of germinated plants,❖ Sowing of certified seeds in well prepared hills may be done.❖ Protection of seeds from cut worm by application of Carbofuran, /caterpillars may be manually collected in the dusk hours in the crop field using a light source❖ Seed treatment with copper fungicides to control damping off❖ Application of raw cow dung should be avoided,
HORTICULTURAL CROPS			
Banana	---	---	<ul style="list-style-type: none">❖ New planting may be done during the week,❖ Earthing up followed by fertilizer application,
Guava	Bud initiation stage	--	<ul style="list-style-type: none">❖ Basin cleaning,❖ Water stagnation should be avoided,❖ Application of well decomposed manures and fertilizers may be done,
Pineapple	Planting	---	<ul style="list-style-type: none">❖ Planting of new suckers may be done during the week,
LIVESTOCKS			
Livestock	Stage	Disease	Precautionary Practices to be followed
Chickens	All stages		<ul style="list-style-type: none">❖ Deworming against coccidiosis,❖ Vaccination of new born chicks for Rani khet disease
Cattle/ Mithun	All Growth		<ul style="list-style-type: none">❖ Vaccination with foot and mouth disease (FMD),❖ Provide fodder supplement,
Contact Scientists (ICAR) or State Agril Staff or KVK staff for measures against adverse conditions or call at 03795-226237/226247			