



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



(Period: 15th to 19th June 2019)

No: AMFU-Basar/2019/47

Dated: Friday, 14th June 2019



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

ADVISORY FOR DISTRICT: WEST KAMENG

Weather summery of the previous week	Weather forecast valid up to 19 th June 2019
Rainfall = Bomdila: 0.0 mm ; Bhalukpong: 14.6 mm; Kalaktang: 0.0 mm	Mostly cloudy with possibility of moderate rain. Daily maximum and minimum temperature for the following period is predicted to be 26.0-27.0°C and 18.0-19.0°C respectively. Expected morning and evening relative humidity will be 95-97% and 56-72% respectively. Wind direction is mainly variable wind speed range of 5.0-5.7 kmph.
WARNING:	

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	Transplanting/ Leaf elongation	Yellow stem borer/ Leaf Blast	<ul style="list-style-type: none">❖ Maintain adequate moisture level in the transplanted rice field,❖ Farmers are advised to delay transplanting by two/three days in view of present hot and dry weather,❖ Maintain adequate moisture level in the nursery,❖ Spraying of crop with Carbandazim 50 WP @ 1 grams per litre of water both in nursery and in main crop is advised,
Jhum rice	Leaf elongation/ tillering	Leaf blast/ leaf spot	<ul style="list-style-type: none">❖ On clear/dry days, spray carbendazim @ 2gm/lit water in jhum field against leaf blast & leaf spot.❖ Strengthen the bund to protect from heavy rain. Don't allow the water to stand.❖ Keep the surrounding clean/ weed-free to avoid disease/pest harboring
VEGETABLES			
Cucurbits	Flowering/ Fruiting	Fruit Fly White fly/ blister beetle	<ul style="list-style-type: none">❖ Use traps to capture adult fruit fly,❖ Collection and deep burying of infected fruit. Installation of pheromone traps.❖ Provide support to the plants to climb, as high intensity rainfall at this stage will damage the plant,❖ Mulching with locally available weeds to conserve moisture,
HORTICULTURAL CROPS			
Citrus	Fruiting	Trunk borer	<ul style="list-style-type: none">❖ Manual removal of lichen, mosses and any epiphytes from the tree trunk and other branches,❖ Bordeaux pasting in the trunk (1 metre height),❖ To avoid fruit drop, spray <i>Planofix</i> @ 1ml/10 litres of water,❖ Regular monitoring of crop against attack of trunk borer,❖ Bordeaux pasting of the citrus trees.
Ginger	Vegetative	Soft-root	<ul style="list-style-type: none">❖ Forest litter should be collected and used as mulching material.❖ Proper drainage should be ensured.❖ Hand weeding at 15 days interval.❖ Drenching with COC @ 0.25% at 7-10 days interval for management of soft rot.
LIVESTOCKS			
Livestock	Stage	Disease	Precautionary Practices to be followed
Piggary	All stages		<ul style="list-style-type: none">❖ Deworming of animals under supervision of registered practitioner,❖ Wallowing – Allowing pigs to play in muddy water,❖ Provide fresh clean drinking water,
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
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 summery of the previous week	Weather forecast valid up to 19 th June 2019
Rainfall: 0.0 mm, Max. T: 34.8°C, Min. T: 19.4°C, Wind Speed: 4-8 km/h, RH: 38-89%, Wind Direction: WSW & SSW	Mostly cloudy with possibility of moderate to rather heavy rain. Daily maximum and minimum temperature for the following period is predicted to be 30.0-32.0°C and 25.0-26.0°C respectively. Expected morning and evening relative humidity will be 95-98% and 51-80% respectively. Wind direction is mainly W & WNW with average wind speed range of 3.5-4.8 kmph.
Warning:	NIL

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 (early sown)	Stem elongation/ panicle initiation	Leaf blast/ leaf spot/ leaf folder	❖ On clear/dry days, spray carbendazim @ 2gm/lit water in jhum field against leaf blast & leaf spot if infestation is high. ❖ To control Leaf folder, close the water outlets of the plot and apply mud balls treated with kerosene @ 4-6 balls followed by rope treatment.
Rice (normal sown)	Nursery/ Seeding/ transplanting	Yellow stem borer	❖ Monitor crop against attack of yellow stem borer. Look out for egg mass in the leaves, manual collection of egg mass and its destruction is the most effective method for its control. ❖ Follow seedling root-dip treatment in chlorpyrifos 20EC @ 2ml/10lit water for 12 hrs before transplanting rice
Jhum Rice	Stem elongation/ panicle initiation/ booting	Leaf blast/ leaf spot/ leaf folder	❖ Make structures to avoid runoff in the slope, ❖ Install yellow stem borer pheromone traps to trap the adults, ❖ On clear/dry days, spray carbendazim @ 2gm/lit water in jhum field against leaf blast & leaf spot.
Maize	Silking	Soybean looper/Stem borer	❖ Monitor the crop against attack of insect pests & avoid water stagnation, ❖ Intercropping with legumes & cassava can reduce the incidence of stem borer infestation,
VEGETABLES			
Tomato/ chilli/ brinjal	Flowering/ Fruiting	Aphids / white fly	❖ Keep weed free and avoid water stagnation ❖ Application of petroleum agrospray @ 10ml/litre or neem oil (1500 ppm) @ 5 ml/litre for management of aphids, white fly <i>etc.</i> at 15 daysinterval for 2-3 times during clear/dry days.
French bean/ pulses	Vegetative/ fruiting		❖ Because of heavy rainfall the exposed roots portion of the plant should be earthened up, ❖ Any type of caterpillar observed in the field may be manually collected and destroyed in the dusk hours in the crop field,
HORTICULTURAL CROPS			
Lemon/other citrus fruits	Fruiting	Stem borer	❖ To avoid stem borer attacks in citrus plants, apply a paste made by mixing lime, water and 5% Malathion dust on the stems of the plants up to a height of about 1 m from the ground.
❖ LIVESTOCK and POULTRY			
Livestock	Stage	Disease	Precautionary Practices to be followed
Poultry	All stages		❖ In view of high temperature, provide fresh lemon water all through the day, ❖ Vaccination should be done in the early morning, ❖ Provide clean drinking water to the birds,
Fishery			❖ Pond should be free from unwanted vegetation and insects. ❖ During heavy shower, water should not drain directly into the pond. It should be passed through a bed of sand before draining.
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ADVISORY FOR DISTRICT: ANJAW

{Hawai: Latitude: 28.22/ Longitude: 94.72/Altitude: 1296 m amsl}

Weather summary of the previous week	Weather forecast valid up to 19 th June 2019
No weather summary available	Mostly cloudy with possibility of light to heavy rain. Daily maximum and minimum temperature for the following period is predicted to be 25.0-26.0°C and 19-20.0°C respectively. Expected morning and evening relative humidity will be 91-95% and 64-74% respectively. Wind direction is mainly ENE & E with average wind speed range of 4.5-5.6 kmph.
Warning:	❖ NIL

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	Transplanting/ Leaf elongation	Yellow stem borer/ Leaf Blast	<ul style="list-style-type: none">❖ Maintain adequate moisture level in the transplanted rice field,❖ Farmers are advised to delay transplanting by two/three days in view of present hot and dry weather,❖ Maintain adequate moisture level in the nursery,❖ Spraying of crop with Carbandazim 50 WP @ 1 grams per litre of water both in nursery and in main crop is advised during clear day days or using appropriate sticker if infestation is high
Jhum rice	Leaf elongation/ tillering	Leaf blast/ leaf spot	<ul style="list-style-type: none">❖ On clear/dry days, spray carbendazim @ 2gm/lit water in jhum field against leaf blast & leaf spot.❖ Strengthen the bund to protect from heavy rain. Don't allow the water to stand.❖ Keep the surrounding clean/ weed-free to avoid disease/pest harboring
VEGETABLES			
Cucurbits	Flowering/ Fruiting	Fruit Fly White fly/ blister beetle	<ul style="list-style-type: none">❖ Use traps to capture adult fruit fly,❖ Collection and deep burying of infected fruit. Installation of pheromone traps.❖ Provide support to the plants to climb, as high intensity rainfall at this stage will damage the plant,❖ Mulching with locally available weeds to conserve moisture,
HORTICULTURAL CROPS			
Citrus	Fruiting	Trunk borer	<ul style="list-style-type: none">❖ Manual removal of lichen, mosses and any epiphytes from the tree trunk and other branches,❖ Bordeaux pasting in the trunk (1 metre height),❖ To avoid fruit drop, spray Planofix @ 1ml/10 litres of water,❖ Regular monitoring of crop against attack of trunk borer,❖ Bordeaux pasting of the citrus trees.
Banana	Fruiting		<ul style="list-style-type: none">❖ Provide adequate moisture to the crop,❖ Apply Malathion dust 5D inside the whorl of the plant against scary beetles,
Ginger	Vegetative	Soft-root	<ul style="list-style-type: none">❖ Forest litter should be collected and used as mulching material.❖ Proper drainage should be ensured.❖ Hand weeding at 15 days interval.❖ Drenching with COC @ 0.25% at 7-10 days interval for management of soft rot.
LIVESTOCKS			
Livestock	Stage	Disease	Precautionary Practices to be followed
Piggery	All stages		<ul style="list-style-type: none">❖ Deworming of animals under supervision of registered practitioner,❖ Wallowing – Allowing pigs to play in muddy water,❖ Provide fresh clean drinking water,

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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 19 th June 2019
Rainfall = Changlang: 92.6 mm Miao: 27.8 mm	Mostly cloudy with possibility of moderate to rather heavy rain. Daily maximum and minimum temperature for the following period is predicted to be 30.0-32.0°C and 25.0-26.0°C respectively. Expected morning and evening relative humidity will be 96-99% and 72-82% respectively. Wind direction is mainly SSE & ESE with average wind speed range of 2.8-4.1 kmph.

Warning:

• **NIL**

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
- Right time for digging Jalkunds to harvest rainwater.

DETAILS OF ADVISORIES FOR THE PERIOD

Crop	Stage	Pest/Disease	Precautionary Practices to be followed
FIELD CROPS			
Rice (early sown)	Stem elongation/ panicle initiation	Leaf blast/ leaf spot/ leaf folder	<ul style="list-style-type: none">❖ On clear/dry days, spray carbendazim @ 2gm/lit water in jhum field against leaf blast & leaf spot if infestation is high.❖ To control Leaf folder, close the water outlets of the plot and apply mud balls treated with kerosene @ 4-6 balls followed by rope treatment.
Rice (normal sown)	Nursery/ Seeding/ transplanting	Yellow stem borer	<ul style="list-style-type: none">❖ Monitor crop against attack of yellow stem borer. Look out for egg mass in the leaves, manual collection of egg mass and its destruction is the most effective method for its control.❖ Follow seedling root-dip treatment in chlorpyriphos 20EC @ 2ml/10lit water for 12 hrs before transplanting rice
Jhum Rice	Stem elongation/ panicle initiation/ booting	Leaf blast/ leaf spot/ leaf folder	<ul style="list-style-type: none">❖ Make structures to avoid runoff in the slope,❖ Install yellow stem borer pheromone traps to trap the adults,❖ On clear/dry days, spray carbendazim @ 2gm/lit water in jhum field against leaf blast & leaf spot.
Maize	Silking	Soybean looper/Stem borer	<ul style="list-style-type: none">❖ Monitor the crop against attack of insect pests & avoid water stagnation,❖ Intercropping with legumes & cassava can reduce the incidence of stem borer infestation,

VEGETABLES

Tomato/ chilli/ brinjal	Flowering/ Fruiting	Aphids / white fly	<ul style="list-style-type: none">❖ Keep weed free and avoid water stagnation❖ Application of petroleum agrospray @ 10ml/litre or neem oil (1500 ppm) @ 5 ml/litre for management of aphids, white fly etc. at 15 daysinterval for 2-3 times.
French bean/ pulses	Vegetative/ fruiting		<ul style="list-style-type: none">❖ Because of heavy rainfall the exposed roots portion of the plant should be earthened up,❖ Any type of caterpillar observed in the field may be manually collected and destroyed in the dusk hours in the crop field,

HORTICULTURAL CROPS

Lemon/other citrus fruits	Fruiting	Stem borer	<ul style="list-style-type: none">❖ To avoid stem borer attacks in citrus plants, apply a paste made by mixing lime, water and 5% Malathion dust on the stems of the plants up to a height of about 1 m from the ground.
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❖ **LIVESTOCK and POULTRY**

Livestock	Stage	Disease	Precautionary Practices to be followed
Poultry	All stages		<ul style="list-style-type: none">❖ In view of high temperature, provide fresh lemon water all through the day,❖ Vaccination should be done in the early morning,❖ Provide clean drinking water to the birds,

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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 19 th June 2019
Rainfall = NA	Mostly cloudy with possibility of moderate to heavy rain. Daily maximum and minimum temperature for the following period is predicted to be 30.0-32.0°C and 25.0-26.0°C respectively. Expected morning and evening relative humidity will be 94-96% and 58-78% respectively. Wind direction is mainly ESE & E with average wind speed range of 4.9-6.2 kmph.
Warning:	<ul style="list-style-type: none">NIL

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	Transplanting/ Leaf elongation	Yellow stem borer/ Leaf Blast	<ul style="list-style-type: none">❖ Maintain adequate moisture level in the transplanted rice field,❖ Farmers are advised to delay transplanting by two/three days in view of present hot and dry weather,❖ Maintain adequate moisture level in the nursery,❖ Spraying of crop with Carbandazim 50 WP @ 1 grams per litre of water both in nursery and in main crop is advised during clear day days or using appropriate sticker if infestation is high
Jhum rice	Leaf elongation/ tillering	Leaf blast/ leaf spot	<ul style="list-style-type: none">❖ On clear/dry days, spray carbendazim @ 2gm/lit water in jhum field against leaf blast & leaf spot.❖ Strengthen the bund to protect from heavy rain. Don't allow the water to stand.❖ Keep the surrounding clean/ weed-free to avoid disease/pest harboring
VEGETABLES			
Cucurbits	Flowering/ Fruiting	Fruit Fly White fly/ blister beetle	<ul style="list-style-type: none">❖ Use traps to capture adult fruit fly,❖ Collection and deep burying of infected fruit. Installation of pheromone traps.❖ Provide support to the plants to climb, as high intensity rainfall at this stage will damage the plant,❖ Mulching with locally available weeds to conserve moisture,
HORTICULTURAL CROPS			
Citrus	Fruiting	Trunk borer	<ul style="list-style-type: none">❖ Manual removal of lichen, mosses and any epiphytes from the tree trunk and other branches,❖ Bordeaux pasting in the trunk (1 metre height),❖ To avoid fruit drop, spray Planofix @ 1ml/10 litres of water,❖ Regular monitoring of crop against attack of trunk borer,❖ Bordeaux pasting of the citrus trees.
Ginger	Vegetative	Soft-root	<ul style="list-style-type: none">❖ Forest litter should be collected and used as mulching material.❖ Proper drainage should be ensured.❖ Hand weeding at 15 days interval.❖ Drenching with COC @ 0.25% at 7-10 days interval for management of soft rot.
LIVESTOCKS			
Livestock	Stage	Disease	Precautionary Practices to be followed
Piggary	All stages		<ul style="list-style-type: none">❖ Deworming of animals under supervision of registered practitioner,❖ Wallowing – Allowing pigs to play in muddy water,❖ Provide fresh clean drinking water,
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: EAST KAMENG

Weather summary of the previous week	Weather forecast valid up to 19 th June 2019
Rainfall =0.0 mm	Mostly cloudy with possibility of moderate to rather heavy rain. Daily maximum and minimum temperature for the following period is predicted to be 26-27°C and 18.0-19.0°C respectively. Expected morning and evening relative humidity will be 92-96% and 54-71% respectively. Wind direction is mainly variable with average wind speed range of 4.3-5.1 kmph.
Warning:	<ul style="list-style-type: none"> NIL

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 (early sown)	Stem elongation/ panicle initiation	Leaf blast/ leaf spot/ leaf folder	<ul style="list-style-type: none"> ❖ On clear/dry days, spray carbendazim @ 2gm/lit water in jhum field against leaf blast & leaf spot if infestation is high. ❖ To control Leaf folder, close the water outlets of the plot and apply mud balls treated with kerosene @ 4-6 balls followed by rope treatment.
Rice (normal sown)	Nursery/ Seeding/ transplanting	Yellow stem borer	<ul style="list-style-type: none"> ❖ Monitor crop against attack of yellow stem borer. Look out for egg mass in the leaves, manual collection of egg mass and its destruction is the most effective method for its control. ❖ Follow seedling root-dip treatment in chlorpyrifos 20EC @ 2ml/10lit water for 12 hrs before transplanting rice
Jhum Rice	Stem elongation/ panicle initiation/ booting	Leaf blast/ leaf spot/ leaf folder	<ul style="list-style-type: none"> ❖ Make structures to avoid runoff in the slope, ❖ Install yellow stem borer pheromone traps to trap the adults, ❖ On clear/dry days, spray carbendazim @ 2gm/lit water in jhum field against leaf blast & leaf spot.
Maize	Silking	Soybean looper/Stem borer	<ul style="list-style-type: none"> ❖ Monitor the crop against attack of insect pests & avoid water stagnation, ❖ Intercropping with legumes & cassava can reduce the incidence of stem borer infestation,
VEGETABLES			
Tomato/ chilli/ brinjal	Flowering/ Fruiting	Aphids / white fly	<ul style="list-style-type: none"> ❖ Keep weed free and avoid water stagnation ❖ Application of petroleum agrospray @ 10ml/litre or neem oil (1500 ppm) @ 5 ml/litre for management of aphids, white fly <i>etc.</i> at 15 days interval for 2-3 times during clear/dry days.
French bean/ pulses	Vegetative/ fruiting		<ul style="list-style-type: none"> ❖ Because of heavy rainfall the exposed roots portion of the plant should be earthened up, ❖ Any type of caterpillar observed in the field may be manually collected and destroyed in the dusk hours in the crop field,
HORTICULTURAL CROPS			
Lemon/other citrus fruits	Fruiting	Stem borer	<ul style="list-style-type: none"> ❖ To avoid stem borer attacks in citrus plants, apply a paste made by mixing lime, water and 5% Malathion dust on the stems of the plants up to a height of about 1 m from the ground.
❖ LIVESTOCK and POULTRY			
Livestock	Stage	Disease	Precautionary Practices to be followed
Poultry	All stages		<ul style="list-style-type: none"> ❖ In view of high temperature, provide fresh lemon water all through the day, ❖ Vaccination should be done in the early morning, ❖ Provide clean drinking water to the birds,
Fishery			<ul style="list-style-type: none"> ❖ Pond should be free from unwanted vegetation and insects. ❖ During heavy shower, water should not drain directly into the pond. It should be passed through a bed of sand before draining.

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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 19 th June 2019
Rainfall: 0.0 mm; T. Max: 38.0°C; T. Min: 25.0°C ; RH: 54-74%	Mostly cloudy with possibility of moderate to rather heavy rain. Daily maximum and minimum temperature for the following period is predicted to be 30.0-32.0°C and 25.0-26.0°C respectively. Expected morning and evening relative humidity will be 93-97% and 53-77% respectively. Wind direction is mainly variable with average wind speed range of 3.5-4.7 kmph.
Warning:	<ul style="list-style-type: none">NIL

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 (early sown)	Stem elongation/ panicle initiation	Leaf blast/ leaf spot/ leaf folder	<ul style="list-style-type: none">❖ On clear/dry days, spray carbendazim @ 2gm/lit water in jhum field against leaf blast & leaf spot if infestation is high.❖ To control Leaf folder, close the water outlets of the plot and apply mud balls treated with kerosene @ 4-6 balls followed by rope treatment.
Rice (normal sown)	Nursery/ Seeding/ transplanting	Yellow stem borer	<ul style="list-style-type: none">❖ Monitor crop against attack of yellow stem borer. Look out for egg mass in the leaves, manual collection of egg mass and its destruction is the most effective method for its control.❖ Follow seedling root-dip treatment in chlorpyrifos 20EC @ 2ml/10lit water for 12 hrs before transplanting rice
Jhum Rice	Stem elongation/ panicle initiation/ booting	Leaf blast/ leaf spot/ leaf folder	<ul style="list-style-type: none">❖ Make structures to avoid runoff in the slope,❖ Install yellow stem borer pheromone traps to trap the adults,❖ On clear/dry days, spray carbendazim @ 2gm/lit water in jhum field against leaf blast & leaf spot.
Maize	Silking	Soybean looper/Stem borer	<ul style="list-style-type: none">❖ Monitor the crop against attack of insect pests & avoid water stagnation,❖ Intercropping with legumes & cassava can reduce the incidence of stem borer infestation,
VEGETABLES			
Tomato/ chilli/ brinjal	Flowering/ Fruiting	Aphids / white fly	<ul style="list-style-type: none">❖ Keep weed free and avoid water stagnation❖ Application of petroleum agrospray @ 10ml/litre or neem oil (1500 ppm) @ 5 ml/litre for management of aphids, white fly etc. at 15 days interval for 2-3 times during clear/dry days.
French bean/ pulses	Vegetative/ fruiting		<ul style="list-style-type: none">❖ Because of heavy rainfall the exposed roots portion of the plant should be earthened up,❖ Any type of caterpillar observed in the field may be manually collected and destroyed in the dusk hours in the crop field,
HORTICULTURAL CROPS			
Lemon/other citrus fruits	Fruiting	Stem borer	<ul style="list-style-type: none">❖ To avoid stem borer attacks in citrus plants, apply a paste made by mixing lime, water and 5% Malathion dust on the stems of the plants up to a height of about 1 m from the ground.
❖ LIVESTOCK and POULTRY			
Livestock	Stage	Disease	Precautionary Practices to be followed
Poultry	All stages		<ul style="list-style-type: none">❖ In view of high temperature, provide fresh lemon water all through the day,❖ Vaccination should be done in the early morning,❖ Provide clean drinking water to the birds,
Fishery			<ul style="list-style-type: none">❖ Pond should be free from unwanted vegetation and insects.❖ During heavy shower, water should not drain directly into the pond. It should be passed through a bed of sand before draining.

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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Arunachal Pradesh

(Period: 15th to 19th June 2019)

No: AMFU-Basar/2019/47

Dated: Friday, 14th June 2019



Gramin Krishi Mausam Sewa

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 summery of the previous week	Weather forecast valid up to 19 th June 2019
Rainfall (Koloriang): 6.4 mm	Mostly cloudy with possibility of moderate to rather heavy rain. Daily maximum and minimum temperature for the following period is predicted to be 35.0-37.0°C and 26.0-28.0°C respectively. Expected morning and evening relative humidity will be 92-97% and 51-77% respectively. Wind direction is mainly SE & SSW with average wind speed range of 4.3-5.5 kmph.
Warning:	<ul style="list-style-type: none">NIL

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	Transplanting/ Leaf elongation	Yellow stem borer/ Leaf Blast	<ul style="list-style-type: none">❖ Maintain adequate moisture level in the transplanted rice field,❖ Farmers are advised to delay transplanting by two/three days in view of present hot and dry weather,❖ Maintain adequate moisture level in the nursery,❖ Spraying of crop with Carbandazim 50 WP @ 1 grams per litre of water both in nursery and in main crop is advised during clear day days or using appropriate sticker if infestation is high
Jhum rice	Leaf elongation/ tillering	Leaf blast/ leaf spot	<ul style="list-style-type: none">❖ On clear/dry days, spray carbendazim @ 2gm/lit water in jhum field against leaf blast & leaf spot.❖ Strengthen the bund to protect from heavy rain. Don't allow the water to stand.❖ Keep the surrounding clean/ weed-free to avoid disease/pest harboring
VEGETABLES			
Cucurbits	Flowering/ Fruiting	Fruit Fly White fly/ blister beetle	<ul style="list-style-type: none">❖ Use traps to capture adult fruit fly,❖ Collection and deep burying of infected fruit. Installation of pheromone traps.❖ Provide support to the plants to climb, as high intensity rainfall at this stage will damage the plant,❖ Mulching with locally available weeds to conserve moisture,
HORTICULTURAL CROPS			
Citrus	Fruiting	Trunk borer	<ul style="list-style-type: none">❖ Manual removal of lichen, mosses and any epiphytes from the tree trunk and other branches,❖ Bordeaux pasting in the trunk (1 metre height),❖ To avoid fruit drop, spray <i>Planofix</i> @ 1ml/10 litres of water,❖ Regular monitoring of crop against attack of trunk borer,❖ Bordeaux pasting of the citrus trees.
Ginger	Vegetative	Soft-root	<ul style="list-style-type: none">❖ Forest litter should be collected and used as mulching material.❖ Proper drainage should be ensured.❖ Hand weeding at 15 days interval.❖ Drenching with COC @ 0.25% at 7-10 days interval for management of soft rot.
LIVESTOCKS			
Livestock	Stage	Disease	Precautionary Practices to be followed
Piggary	All stages		<ul style="list-style-type: none">❖ Deworming of animals under supervision of registered practitioner,❖ Wallowing – Allowing pigs to play in muddy water,❖ Provide fresh clean drinking water,
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: LOHIT

Weather summary of the previous week	Weather forecast valid up to 19 th June 2019
Rainfall: 3.4 mm (Tezu)	Mostly cloudy with possibility of moderate to rather heavy rain. Daily maximum and minimum temperature for the following period is predicted to be 29.0-30.0°C and 25.0-26.0°C respectively. Expected morning and evening relative humidity will be 89-95% and 55-74% respectively. Wind direction is mainly NE & ESE average wind speed range of 3.9-4.7 kmph.
Warning	<ul style="list-style-type: none">NIL

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 (early sown)	Stem elongation/ panicle initiation	Leaf blast/ leaf spot/ leaf folder	<ul style="list-style-type: none">❖ On clear/dry days, spray carbendazim @ 2gm/lit water in jhum field against leaf blast & leaf spot if infestation is high.❖ To control Leaf folder, close the water outlets of the plot and apply mud balls treated with kerosene @ 4-6 balls followed by rope treatment.
Rice (normal sown)	Nursery/ Seeding/ transplanting	Yellow stem borer	<ul style="list-style-type: none">❖ Monitor crop against attack of yellow stem borer. Look out for egg mass in the leaves, manual collection of egg mass and its destruction is the most effective method for its control.❖ Follow seedling root-dip treatment in chlorpyrifos 20EC @ 2ml/10lit water for 12 hrs before transplanting rice
Jhum Rice	Stem elongation/ panicle initiation/ booting	Leaf blast/ leaf spot/ leaf folder	<ul style="list-style-type: none">❖ Make structures to avoid runoff in the slope,❖ Install yellow stem borer pheromone traps to trap the adults,❖ On clear/dry days, spray carbendazim @ 2gm/lit water in jhum field against leaf blast & leaf spot.
Maize	Silking	Soybean looper/Stem borer	<ul style="list-style-type: none">❖ Monitor the crop against attack of insect pests & avoid water stagnation,❖ Intercropping with legumes & cassava can reduce the incidence of stem borer infestation,

VEGETABLES

Tomato/ chilli/ brinjal	Flowering/ Fruiting	Aphids / white fly	<ul style="list-style-type: none">❖ Keep weed free and avoid water stagnation❖ Application of petroleum agrospray @ 10ml/litre or neem oil (1500 ppm) @ 5 ml/litre for management of aphids, white fly <i>etc.</i> at 15 daysinterval for 2-3 times during clear/dry days.
French bean/ pulses	Vegetative/ fruiting		<ul style="list-style-type: none">❖ Because of heavy rainfall the exposed roots portion of the plant should be earthened up,❖ Any type of caterpillar observed in the field may be manually collected and destroyed in the dusk hours in the crop field,

HORTICULTURAL CROPS

Lemon/other citrus fruits	Fruiting	Stem borer	<ul style="list-style-type: none">❖ To avoid stem borer attacks in citrus plants, apply a paste made by mixing lime, water and 5% Malathion dust on the stems of the plants up to a height of about 1 m from the ground.
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❖ LIVESTOCK and POULTRY

Livestock	Stage	Disease	Precautionary Practices to be followed
Poultry	All stages		<ul style="list-style-type: none">❖ In view of high temperature, provide fresh lemon water all through the day,❖ Vaccination should be done in the early morning,❖ Provide clean drinking water to the birds,
Fishery			<ul style="list-style-type: none">❖ Pond should be free from unwanted vegetation and insects.❖ During heavy shower, water should not drain directly into the pond. It should be passed through a bed of sand before draining.

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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 19 th June 2019
Rainfall (Roing): 16.63 mm	Mostly cloudy with possibility of moderate to rather heavy rain. Daily maximum and minimum temperature for the following period is predicted to be 30.0-32.0°C and 25.0-26.0°C respectively. Expected morning and evening relative humidity will be 91-96% and 57-73% respectively. Wind direction is mainly ENE & E with average wind speed range of 3.8-5.1 kmph.
Warning:	<ul style="list-style-type: none">NIL

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 (early sown)	Stem elongation/ panicle initiation	Leaf blast/ leaf spot/ leaf folder	<ul style="list-style-type: none">❖ On clear/dry days, spray carbendazim @ 2gm/lit water in jhum field against leaf blast & leaf spot if infestation is high.❖ To control Leaf folder, close the water outlets of the plot and apply mud balls treated with kerosene @ 4-6 balls followed by rope treatment.
Rice (normal sown)	Nursery/ Seeding/ transplanting	Yellow stem borer	<ul style="list-style-type: none">❖ Monitor crop against attack of yellow stem borer. Look out for egg mass in the leaves, manual collection of egg mass and its destruction is the most effective method for its control.❖ Follow seedling root-dip treatment in chlorpyrifos 20EC @ 2ml/10lit water for 12 hrs before transplanting rice
Jhum Rice	Stem elongation/ panicle initiation/ booting	Leaf blast/ leaf spot/ leaf folder	<ul style="list-style-type: none">❖ Make structures to avoid runoff in the slope,❖ Install yellow stem borer pheromone traps to trap the adults,❖ On clear/dry days, spray carbendazim @ 2gm/lit water in jhum field against leaf blast & leaf spot.
Maize	Silking	Soybean looper/Stem borer	<ul style="list-style-type: none">❖ Monitor the crop against attack of insect pests & avoid water stagnation,❖ Intercropping with legumes & cassava can reduce the incidence of stem borer infestation,
VEGETABLES			
Tomato/ chilli/ brinjal	Flowering/ Fruiting	Aphids / white fly	<ul style="list-style-type: none">❖ Keep weed free and avoid water stagnation❖ Application of petroleum agrospray @ 10ml/litre or neem oil (1500 ppm) @ 5 ml/litre for management of aphids, white fly <i>etc.</i> at 15 days interval for 2-3 times during clear/dry days.
French bean/ pulses	Vegetative/ fruiting		<ul style="list-style-type: none">❖ Because of heavy rainfall the exposed roots portion of the plant should be earthened up,❖ Any type of caterpillar observed in the field may be manually collected and destroyed in the dusk hours in the crop field,
HORTICULTURAL CROPS			
Lemon/other citrus fruits	Fruiting	Stem borer	<ul style="list-style-type: none">❖ To avoid stem borer attacks in citrus plants, apply a paste made by mixing lime, water and 5% Malathion dust on the stems of the plants up to a height of about 1 m from the ground.
❖ LIVESTOCK and POULTRY			
Livestock	Stage	Disease	Precautionary Practices to be followed
Poultry	All stages		<ul style="list-style-type: none">❖ In view of high temperature, provide fresh lemon water all through the day,❖ Vaccination should be done in the early morning,❖ Provide clean drinking water to the birds,
Fishery			<ul style="list-style-type: none">❖ Pond should be free from unwanted vegetation and insects.❖ During heavy shower, water should not drain directly into the pond. It should be passed through a bed of sand before draining.
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ADVISORY FOR DISTRICT: LOWER SUBANSIRI

Weather summery of the previous week	Weather forecast valid up to 19 th June 2019
Ziro: 0.0 mm	Mostly cloudy with possibility of moderate to heavy rain. Daily maximum and minimum temperature for the following period is predicted to be 31.0-34.0°C and 25.0-26.0°C respectively. Expected morning and evening relative humidity will be 94-98% and 56-80% respectively. Wind direction is mainly WNW & NW with average wind speed range of 3.6-4.3 kmph.
Warning:	<ul style="list-style-type: none">NIL

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	Transplanting/ Leaf elongation	Yellow stem borer/ Leaf Blast	<ul style="list-style-type: none">Maintain adequate moisture level in the transplanted rice field,Farmers are advised to delay transplanting by two/three days in view of present hot and dry weather,Maintain adequate moisture level in the nursery,Spraying of crop with Carbandazim 50 WP @ 1 grams per litre of water both in nursery and in main crop is advised during clear day days or using appropriate sticker if infestation is high
Jhum rice	Leaf elongation/ tillering	Leaf blast/ leaf spot	<ul style="list-style-type: none">On clear/dry days, spray carbendazim @ 2gm/lit water in jhum field against leaf blast & leaf spot.Strengthen the bund to protect from heavy rain. Don't allow the water to stand.Keep the surrounding clean/ weed-free to avoid disease/pest harboring
VEGETABLES			
Cucurbits	Flowering/ Fruiting	Fruit Fly White fly/ blister beetle	<ul style="list-style-type: none">Use traps to capture adult fruit fly,Collection and deep burying of infected fruit. Installation of pheromone traps.Provide support to the plants to climb, as high intensity rainfall at this stage will damage the plant,Mulching with locally available weeds to conserve moisture,
HORTICULTURAL CROPS			
Citrus	Fruiting	Trunk borer	<ul style="list-style-type: none">Manual removal of lichen, mosses and any epiphytes from the tree trunk and other branches,Bordeaux pasting in the trunk (1 metre height),To avoid fruit drop, spray Planofix @ 1ml/10 litres of water,Regular monitoring of crop against attack of trunk borer,Bordeaux pasting of the citrus trees.
Banana	Fruiting		<ul style="list-style-type: none">Provide adequate moisture to the crop,Apply Malathion dust 5D inside the whorl of the plant against scary beetles,
Ginger	Vegetative	Soft-root	<ul style="list-style-type: none">Forest litter should be collected and used as mulching material.Proper drainage should be ensured.Hand weeding at 15 days interval.Drenching with COC @ 0.25% at 7-10 days interval for management of soft rot.
LIVESTOCKS			
Livestock	Stage	Disease	Precautionary Practices to be followed
Piggery	All stages		<ul style="list-style-type: none">Deworming of animals under supervision of registered practitioner,Wallowing – Allowing pigs to play in muddy water,
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 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 19 th June 2019
Rainfall: 0.0 mm; T. Max: 36.0°C; T. Min: 25.0°C ; RH: 68-83%	Mostly cloudy with possibility of moderate to heavy rain. Daily maximum and minimum temperature for the following period is predicted to be 32.0-35.0°C and 25.0-26.0°C respectively. Expected morning and evening relative humidity will be 95-96% and 62-81% respectively. Wind direction is mainly variable with average wind speed range of 3.7-5.3 kmph.
Warning:	<ul style="list-style-type: none"> NIL

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 (early sown)	Stem elongation/ panicle initiation	Leaf blast/ leaf spot/ leaf folder	<ul style="list-style-type: none"> ❖ On clear/dry days, spray carbendazim @ 2gm/lit water in jhum field against leaf blast & leaf spot if infestation is high. ❖ To control Leaf folder, close the water outlets of the plot and apply mud balls treated with kerosene @ 4-6 balls followed by rope treatment.
Rice (normal sown)	Nursery/ Seeding/ transplanting	Yellow stem borer	<ul style="list-style-type: none"> ❖ Monitor crop against attack of yellow stem borer. Look out for egg mass in the leaves, manual collection of egg mass and its destruction is the most effective method for its control. ❖ Follow seedling root-dip treatment in chlorpyriphos 20EC @ 2ml/10lit water for 12 hrs before transplanting rice
Jhum Rice	Stem elongation/ panicle initiation/ booting	Leaf blast/ leaf spot/ leaf folder	<ul style="list-style-type: none"> ❖ Make structures to avoid runoff in the slope, ❖ Install yellow stem borer pheromone traps to trap the adults, ❖ On clear/dry days, spray carbendazim @ 2gm/lit water in jhum field against leaf blast & leaf spot.
Maize	Silking	Soybean looper/Stem borer	<ul style="list-style-type: none"> ❖ Monitor the crop against attack of insect pests & avoid water stagnation, ❖ Intercropping with legumes & cassava can reduce the incidence of stem borer infestation,

VEGETABLES

Tomato/ chilli/ brinjal	Flowering/ Fruiting	Aphids / white fly	<ul style="list-style-type: none"> ❖ Keep weed free and avoid water stagnation ❖ Application of petroleum agrospray @ 10ml/litre or neem oil (1500 ppm) @ 5 ml/litre for management of aphids, white fly <i>etc.</i> at 15 daysinterval for 2-3 times during clear/dry days.
French bean/ pulses	Vegetative/ fruiting		<ul style="list-style-type: none"> ❖ Because of heavy rainfall the exposed roots portion of the plant should be earthened up, ❖ Any type of caterpillar observed in the field may be manually collected and destroyed in the dusk hours in the crop field,

HORTICULTURAL CROPS

Lemon/other citrus fruits	Fruiting	Stem borer	<ul style="list-style-type: none"> ❖ To avoid stem borer attacks in citrus plants, apply a paste made by mixing lime, water and 5% Malathion dust on the stems of the plants up to a height of about 1 m from the ground.
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❖ **LIVESTOCK and POULTRY**

Livestock	Stage	Disease	Precautionary Practices to be followed
Poultry	All stages		<ul style="list-style-type: none"> ❖ In view of high temperature, provide fresh lemon water all through the day, ❖ Vaccination should be done in the early morning, ❖ Provide clean drinking water to the birds,
Fishery			<ul style="list-style-type: none"> ❖ Pond should be free from unwanted vegetation and insects. ❖ During heavy shower, water should not drain directly into the pond. It should be passed through a bed of sand before draining.

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ADVISORY FOR DISTRICT: TAWANG

Weather summery of the previous week	Weather forecast valid up to 19 th June 2019
Rainfall: 0.0 mm	Partly cloudy with possibility of light/moderate rain. Daily maximum and minimum temperature for the following period is predicted to be 15.0-16.0°C and 8.0-9.0°C respectively. Expected morning and evening relative humidity will be 94-96% and 49-71% respectively. Wind direction is mainly E & SE with average wind speed range of 5.8-7.4 kmph.
Warning:	<ul style="list-style-type: none">NIL

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			
FIELD CROPS			
Rice	Transplanting/ Leaf elongation	Yellow stem borer/ Leaf Blast	<ul style="list-style-type: none">❖ Maintain adequate moisture level in the transplanted rice field,❖ Farmers are advised to delay transplanting by two/three days in view of present hot and dry weather,❖ Maintain adequate moisture level in the nursery,❖ Spraying of crop with Carbandazim 50 WP @ 1 grams per litre of water both in nursery and in main crop is advised,
Jhum rice	Leaf elongation/ tillering	Leaf blast/ leaf spot	<ul style="list-style-type: none">❖ On clear/dry days, spray carbendazim @ 2gm/lit water in jhum field against leaf blast & leaf spot.❖ Strengthen the bund to protect from heavy rain. Don't allow the water to stand.❖ Keep the surrounding clean/ weed-free to avoid disease/pest harboring
VEGETABLES			
Cucurbits	Flowering/ Fruiting	Fruit Fly White fly/ blister beetle	<ul style="list-style-type: none">❖ Use traps to capture adult fruit fly,❖ Collection and deep burying of infected fruit. Installation of pheromone traps.❖ Provide support to the plants to climb, as high intensity rainfall at this stage will damage the plant,❖ Mulching with locally available weeds to conserve moisture,
HORTICULTURAL CROPS			
Citrus	Fruiting	Trunk borer	<ul style="list-style-type: none">❖ Manual removal of lichen, mosses and any epiphytes from the tree trunk and other branches,❖ Bordeaux pasting in the trunk (1 metre height),❖ To avoid fruit drop, spray <i>Planofix</i> @ 1ml/10 litres of water,❖ Regular monitoring of crop against attack of trunk borer,❖ Bordeaux pasting of the citrus trees.
Banana	Fruiting		<ul style="list-style-type: none">❖ Provide adequate moisture to the crop,❖ Apply Malathion dust 5D inside the whorl of the plant against scary beetles,
Ginger	Vegetative	Soft-root	<ul style="list-style-type: none">❖ Forest litter should be collected and used as mulching material.❖ Proper drainage should be ensured.❖ Hand weeding at 15 days interval.❖ Drenching with COC @ 0.25% at 7-10 days interval for management of soft rot.
LIVESTOCKS			
Livestock	Stage	Disease	Precautionary Practices to be followed
Piggary	All stages		<ul style="list-style-type: none">❖ Deworming of animals under supervision of registered practitioner,❖ Wallowing – Allowing pigs to play in muddy water,❖ Provide fresh clean drinking water,
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: TIRAP

Weather summary of the previous week	Weather forecast valid up to 19 th June 2019
Rainfall: 9.2 mm	Mostly cloudy with possibility of moderate to heavy rain. Daily maximum and minimum temperature for the following period is predicted to be 32.0-35.0°C and 25.0-26.0°C respectively. Expected morning and evening relative humidity will be 96-98% and 62-85% respectively. Wind direction is mainly variable with average wind speed range of 3.1-3.9 kmph.
Warning:	<ul style="list-style-type: none"> NIL

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 (early sown)	Stem elongation/ panicle initiation	Leaf blast/ leaf spot/ leaf folder	<ul style="list-style-type: none"> ❖ On clear/dry days, spray carbendazim @ 2gm/lit water in jhum field against leaf blast & leaf spot if infestation is high. ❖ To control Leaf folder, close the water outlets of the plot and apply mud balls treated with kerosene @ 4-6 balls followed by rope treatment.
Rice (normal sown)	Nursery/ Seeding/ transplanting	Yellow stem borer	<ul style="list-style-type: none"> ❖ Monitor crop against attack of yellow stem borer. Look out for egg mass in the leaves, manual collection of egg mass and its destruction is the most effective method for its control. ❖ Follow seedling root-dip treatment in chlorpyrifos 20EC @ 2ml/10lit water for 12 hrs before transplanting rice
Jhum Rice	Stem elongation/ panicle initiation/ booting	Leaf blast/ leaf spot/ leaf folder	<ul style="list-style-type: none"> ❖ Make structures to avoid runoff in the slope, ❖ Install yellow stem borer pheromone traps to trap the adults, ❖ On clear/dry days, spray carbendazim @ 2gm/lit water in jhum field against leaf blast & leaf spot.
Maize	Silking	Soybean looper/Stem borer	<ul style="list-style-type: none"> ❖ Monitor the crop against attack of insect pests & avoid water stagnation, ❖ Intercropping with legumes & cassava can reduce the incidence of stem borer infestation,
VEGETABLES			
Tomato/ chilli/ brinjal	Flowering/ Fruiting	Aphids / white fly	<ul style="list-style-type: none"> ❖ Keep weed free and avoid water stagnation ❖ Application of petroleum agrospray @ 10ml/litre or neem oil (1500 ppm) @ 5 ml/litre for management of aphids, white fly etc. at 15 daysinterval for 2-3 times during clear/dry days.
French bean/ pulses	Vegetative/ fruiting		<ul style="list-style-type: none"> ❖ Because of heavy rainfall the exposed roots portion of the plant should be earthened up, ❖ Any type of caterpillar observed in the field may be manually collected and destroyed in the dusk hours in the crop field,
HORTICULTURAL CROPS			
Lemon/other citrus fruits	Fruiting	Stem borer	<ul style="list-style-type: none"> ❖ To avoid stem borer attacks in citrus plants, apply a paste made by mixing lime, water and 5% Malathion dust on the stems of the plants up to a height of about 1 m from the ground.
❖ LIVESTOCK and POULTRY			
Livestock	Stage	Disease	Precautionary Practices to be followed
Poultry	All stages		<ul style="list-style-type: none"> ❖ In view of high temperature, provide fresh lemon water all through the day, ❖ Vaccination should be done in the early morning, ❖ Provide clean drinking water to the birds,
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: 15th to 19th June 2019)

No: AMFU-Basar/2019/47

Dated: Friday, 14th June 2019



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 19 th June 2019
Rainfall: 91.6 mm	Mostly cloudy with possibility of moderate to rather heavy rain. Daily maximum and minimum temperature for the following period is predicted to be 25.0-26.0°C and 18.0-19.0°C respectively. Expected morning and evening relative humidity will be 93-97% and 51-79% respectively. Wind direction is mainly variable with average wind speed range of 3.7-5.3 kmph.
Warning:	<ul style="list-style-type: none">NIL

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	Transplanting/ Leaf elongation	Yellow stem borer/ Leaf Blast	<ul style="list-style-type: none">❖ Maintain adequate moisture level in the transplanted rice field,❖ Farmers are advised to delay transplanting by two/three days in view of present hot and dry weather,❖ Maintain adequate moisture level in the nursery,❖ Spraying of crop with Carbandazim 50 WP @ 1 grams per litre of water both in nursery and in main crop is advised,
Jhum rice	Leaf elongation/ tillering	Leaf blast/ leaf spot	<ul style="list-style-type: none">❖ On clear/dry days, spray carbendazim @ 2gm/lit water in jhum field against leaf blast & leaf spot.❖ Strengthen the bund to protect from heavy rain. Don't allow the water to stand.❖ Keep the surrounding clean/ weed-free to avoid disease/pest harboring
VEGETABLES			
Cucurbits	Flowering/ Fruiting	Fruit Fly White fly/ blister beetle	<ul style="list-style-type: none">❖ Use traps to capture adult fruit fly,❖ Collection and deep burying of infected fruit. Installation of pheromone traps.❖ Provide support to the plants to climb, as high intensity rainfall at this stage will damage the plant,❖ Mulching with locally available weeds to conserve moisture,
HORTICULTURAL CROPS			
Citrus	Fruiting	Trunk borer	<ul style="list-style-type: none">❖ Manual removal of lichen, mosses and any epiphytes from the tree trunk and other branches,❖ Bordeaux pasting in the trunk (1 metre height),❖ To avoid fruit drop, spray <i>Planofix</i> @ 1ml/10 litres of water,❖ Regular monitoring of crop against attack of trunk borer,❖ Bordeaux pasting of the citrus trees.
Banana	Fruiting		<ul style="list-style-type: none">❖ Provide adequate moisture to the crop,❖ Apply Malathion dust 5D inside the whorl of the plant against scary beetles,
Ginger	Vegetative	Soft-root	<ul style="list-style-type: none">❖ Forest litter should be collected and used as mulching material.❖ Proper drainage should be ensured.❖ Hand weeding at 15 days interval.❖ Drenching with COC @ 0.25% at 7-10 days interval for management of soft rot.
LIVESTOCKS			
Livestock	Stage	Disease	Precautionary Practices to be followed
Piggary	All stages		<ul style="list-style-type: none">❖ Wallowing – Allowing pigs to play in muddy water,❖ Provide fresh clean drinking water,
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Gramin Krishi Mausam Sewa
 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 19 th June 2019
Daporijo: 0.0 mm	Mostly cloudy with possibility of moderate to rather heavy rain. Daily maximum and minimum temperature for the following period is predicted to be 33.0-37.0°C and 26.0-27.0°C respectively. Expected morning and evening relative humidity will be 93-97% and 50-78% respectively. Wind direction is mainly WSW with average wind speed range of 3.7 -5.4 kmph.
Warning:	• NIL

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 (early sown)	Stem elongation/ panicle initiation	Leaf blast/ leaf spot/ leaf folder	<ul style="list-style-type: none"> ❖ On clear/dry days, spray carbendazim @ 2gm/lit water in jhum field against leaf blast & leaf spot if infestation is high. ❖ To control Leaf folder, close the water outlets of the plot and apply mud balls treated with kerosene @ 4-6 balls followed by rope treatment.
Rice (normal sown)	Nursery/ Seeding/ transplanting	Yellow stem borer	<ul style="list-style-type: none"> ❖ Monitor crop against attack of yellow stem borer. Look out for egg mass in the leaves, manual collection of egg mass and its destruction is the most effective method for its control. ❖ Follow seedling root-dip treatment in chlorpyriphos 20EC @ 2ml/10lit water for 12 hrs before transplanting rice
Jhum Rice	Stem elongation/ panicle initiation/ booting	Leaf blast/ leaf spot/ leaf folder	<ul style="list-style-type: none"> ❖ Make structures to avoid runoff in the slope, ❖ Install yellow stem borer pheromone traps to trap the adults, ❖ On clear/dry days, spray carbendazim @ 2gm/lit water in jhum field against leaf blast & leaf spot.
Maize	Silking	Soybean looper/Stem borer	<ul style="list-style-type: none"> ❖ Monitor the crop against attack of insect pests & avoid water stagnation, ❖ Intercropping with legumes & cassava can reduce the incidence of stem borer infestation,
VEGETABLES			
Tomato/ chilli/ brinjal	Flowering/ Fruiting	Aphids / white fly	<ul style="list-style-type: none"> ❖ Keep weed free and avoid water stagnation ❖ Application of petroleum agrospray @ 10ml/litre or neem oil (1500 ppm) @ 5 ml/litre for management of aphids, white fly <i>etc.</i> at 15 daysinterval for 2-3 times during clear/dry days.
French bean/ pulses	Vegetative/ fruiting		<ul style="list-style-type: none"> ❖ Because of heavy rainfall the exposed roots portion of the plant should be earthened up, ❖ Any type of caterpillar observed in the field may be manually collected and destroyed in the dusk hours in the crop field,
HORTICULTURAL CROPS			
Lemon/other citrus fruits	Fruiting	Stem borer	<ul style="list-style-type: none"> ❖ To avoid stem borer attacks in citrus plants, apply a paste made by mixing lime, water and 5% Malathion dust on the stems of the plants up to a height of about 1 m from the ground.
❖ LIVESTOCK and POULTRY			
Livestock	Stage	Disease	Precautionary Practices to be followed
Poultry	All stages		<ul style="list-style-type: none"> ❖ In view of high temperature, provide fresh lemon water all through the day, ❖ Vaccination should be done in the early morning, ❖ Provide clean drinking water to the birds,
Fishery			<ul style="list-style-type: none"> ❖ Pond should be free from unwanted vegetation and insects. ❖ During heavy shower, water should not drain directly into the pond. It should be passed through a bed of sand before draining.
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