



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



(Period: 12th to 16th June 2019)

No: AMFU-Basar/2019/46

Dated: Tuesday, 11th June 2019



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 16 th June 2019
Daporijo: 9.2 mm	Partly/mostly cloudy with possibility of light/moderate rain. Daily maximum and minimum temperature for the following period is predicted to be 27.0-30.0°C and 22.0-23.0°C respectively. Expected morning and evening relative humidity will be 85-96% and 39-54% respectively. Wind direction is mainly NNW with average wind speed range of 5.1 -7.1 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

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	<ul style="list-style-type: none"> ❖ On clear/dry days, spray carbendazim @ 2gm/lit water in jhum field against leaf blast & leaf spot. ❖ Spray chlorpyriphos 20EC @ 2ml/lit water at 15th, 30th & 50th day after transplanting in rice.
Rice (normal sown)	Nursery/ Seeding/ transplanting		<ul style="list-style-type: none"> ❖ Rice: Weed free & clean nursery periphery to prevent disease/pest harboring. ❖ 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	<ul style="list-style-type: none"> ❖ In upland rice, spraying of 1% DAP on clear/dry days recommended to increase the numbers of effective tillers and yields ❖ 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/ Late Blight	<ul style="list-style-type: none"> ❖ 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. ❖ Spraying of COC @ 2-3 ml/lit at weekly interval advocated during clear/dry days in case of grown outside.
HORTICULTURAL CROPS			
Large cardamom	Flowering/ fruiting	Stem borer/ shoot fly/ tea mosquito bug	<ul style="list-style-type: none"> ❖ Application of COC @ 0.25% at monthly interval for management of flower and capsule rot. ❖ Application of neem oil (1500 ppm) @ 5 ml/litre for management of stem borer/ shoot fly/ tea mosquito bug at 15 days interval for 2-3 times.
❖ LIVESTOCK and POULTRY			
Livestock	Stage	Disease	Precautionary Practices to be followed
Cattle/ Goat/ Sheep	All stages		<ul style="list-style-type: none"> ❖ Farmers are advised to look for heat sign especially during early morning or late evening and ensure breeding of the dairy cattle 12 hr after observation of heat. ❖ Breeding of the sheep/goat should be done 24-30 hr after observation of heat. ❖ Feeding of concentrate feed along with jaggery, mineral mixture and salt. ❖ Periodic application of fly repellents and/or netting of dung pit are recommended.

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: WEST KAMENG

Weather summery of the previous week	Weather forecast valid up to 16 th June 2019
Rainfall = Bomdila: 0.0 mm ; Bhalukpong: 85.8 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 25.0-27.0°C and 18.0-19.0°C respectively. Expected morning and evening relative humidity will be 85-96% and 44-64% respectively. Wind direction is mainly NW wind speed range of 4.8-7.5 kmph.
WARNING:	

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	Transplanting/ Leaf elongation	Yellow stem borer/ Leaf Blast	<ul style="list-style-type: none">❖ Follow seedling root-dip treatment in chlorpyriphos 20EC @ 2ml/10lit water for 12 hrs before transplanting rice❖ Maintain adequate moisture level in the transplanted rice field,❖ 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❖ For management of Blast, spraying of Carbendazim @ 2 gram per litre of water or Endofil M45 @ 2.5 gram per litre of water three spraying at 10 days interval,❖ Bio-control using cloves and ginger 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">❖ Collection and deep burying of infected fruit. Installation of pheromone traps.❖ Proper drainage should be ensured.❖ Hand weeding at 15 days interval.❖ Regular monitoring, collection and destruction of beetles.
HORTICULTURAL CROPS			
Citrus	Fruiting	Trunk borer	<ul style="list-style-type: none">❖ Regular monitoring for detection of trunk borer infestation at the base of the trunk is advised. If wooden frass is observed, cleaning and insertion of cotton soaked in kerosene and plastered with clay and cowdung mixture.
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
Poultry	All stages	Coccidiosis, Ranikhet disease	<ul style="list-style-type: none">❖ Ranikhet vaccination at 5th day and at 30th day of age.❖ Inclusion of turmeric powder @ 10g/kg feed for prevention of coccidiosis.
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 summary of the previous week	Weather forecast valid up to 16 th June 2019
Rainfall: 70.4 mm, Max. T: 29.2°C, Min. T: 21.1°C, Wind Speed: 3-6 km/h, RH: 47-98%, Wind Direction: NE & SSW	Partly/mostly cloudy with possibility of light/moderate rain. Daily maximum and minimum temperature for the following period is predicted to be 28.0-31.0°C and 24.0-25.0°C respectively. Expected morning and evening relative humidity will be 84-98% and 40-60% respectively. Wind direction is mainly NNW with average wind speed range of 4.8-6.4 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	<ul style="list-style-type: none">❖ On clear/dry days, spray carbendazim @ 2gm/lit water in jhum field against leaf blast & leaf spot.❖ Spray chlorpyriphos 20EC ? @ 2ml/lit water at 15th, 30th & 50th day after transplanting in rice.
Rice (normal sown)	Nursery/ Seeding/ transplanting		<ul style="list-style-type: none">❖ Rice: Weed free & clean nursery periphery to prevent disease/pest harboring.❖ 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	<ul style="list-style-type: none">❖ In upland rice, spraying of 1% DAP on clear/dry days recommended to increase the numbers of effective tillers and yields❖ 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/ Late Blight	<ul style="list-style-type: none">❖ 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.❖ Spraying of COC @2-3 ml/lit at weekly interval advocated during clear/dry days in case of grown outside.
HORTICULTURAL CROPS			
Large cardamom	Flowering/ fruiting	Stem borer/ shoot fly/ tea mosquito bug	<ul style="list-style-type: none">❖ Application of COC @ 0.25% at monthly interval for management of flower and capsule rot.❖ Application of neem oil (1500 ppm) @ 5 ml/litre for management of stem borer/ shoot fly/ tea mosquito bug at 15 days interval for 2-3 times.
❖ LIVESTOCK and POULTRY			
Livestock	Stage	Disease	Precautionary Practices to be followed
Cattle/ Goat/ Sheep	All stages		<ul style="list-style-type: none">❖ Farmers are advised to look for heat sign especially during early morning or late evening and ensure breeding of the dairy cattle 12 hr after observation of heat.❖ Breeding of the sheep/goat should be done 24-30 hr after observation of heat.❖ Feeding of concentrate feed along with jaggery, mineral mixture and salt.❖ Periodic application of fly repellents and/or netting of dung pit are recommended.
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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 16 th June 2019
No weather summary available	Partly/Mostly cloudy with possibility of light to rather heavy rain. Daily maximum and minimum temperature for the following period is predicted to be 25.0-26.0°C and 17-18.0°C respectively. Expected morning and evening relative humidity will be 83-94% and 38-69% respectively. Wind direction is mainly ENE & E with average wind speed range of 4.9-7.3 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"> ❖ Follow seedling root-dip treatment in chlorpyriphos 20EC @ 2ml/10lit water for 12 hrs before transplanting rice ❖ Maintain adequate moisture level in the transplanted rice field, ❖ 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 ❖ For management of Blast, spraying of Carbendazim @ 2 gram per litre of water or Endofil M45 @ 2.5 gram per litre of water three spraying at 10 days interval, ❖ Bio-control using cloves and ginger 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"> ❖ Collection and deep burying of infected fruit. Installation of pheromone traps. ❖ Proper drainage should be ensured. ❖ Hand weeding at 15 days interval. ❖ Regular monitoring, collection and destruction of beetles.
HORTICULTURAL CROPS			
Citrus	Fruiting	Trunk borer	<ul style="list-style-type: none"> ❖ Regular monitoring for detection of trunk borer infestation at the base of the trunk is advised. If wooden frass is observed, cleaning and insertion of cotton soaked in kerosene and plastered with clay and cowdung mixture.
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
Poultry	All stages	Coccidiosis, Ranikhet disease	<ul style="list-style-type: none"> ❖ Ranikhet vaccination at 5th day and at 30th day of age. ❖ Inclusion of turmeric powder @ 10g/kg feed for prevention of coccidiosis.
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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 16 th June 2019
Rainfall = Changlang: 92.6 mm Miao: 27.8 mm	Partly/mostly cloudy with possibility of moderate to rather heavy rain. Daily maximum and minimum temperature for the following period is predicted to be 29.0-32.0°C and 23.0-25.0°C respectively. Expected morning and evening relative humidity will be 84-97% and 40-89% respectively. Wind direction is mainly SE & ESE with average wind speed range of 3.2-4.6 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
- 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	❖ On clear/dry days, spray carbendazim @ 2gm/lit water in jhum field against leaf blast & leaf spot. ❖ Spray chlorpyriphos 20EC @ 2ml/lit water at 15 th , 30 th & 50 th day after transplanting in rice.
Rice (normal sown)	Nursery/ Seeding/ transplanting		❖ Rice: Weed free & clean nursery periphery to prevent disease/pest harboring. ❖ 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	❖ In upland rice, spraying of 1% DAP on clear/dry days recommended to increase the numbers of effective tillers and yields ❖ 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/ Late Blight	❖ 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. ❖ Spraying of COC @2-3 ml/lit at weekly interval advocated during clear/dry days in case of grown outside.
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HORTICULTURAL CROPS

Lemon/other citrus fruits	Fruiting	Fruit drop/ insect pests	❖ For insect pert, spray Monocrotophos 36 SL @ 7 ml or Dimethoate 30 EC @ 10 ml in 10 lits of water. ❖ Spray Carbendazim 1ml/lit water against fruit drop in citrus.
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❖ **LIVESTOCK and POULTRY**

Livestock	Stage	Disease	Precautionary Practices to be followed
Cattle/ Goat/ Sheep	All stages		❖ Farmers are advised to look for heat sign especially during early morning or late evening and ensure breeding of the dairy cattle 12 hr after observation of heat. ❖ Breeding of the sheep/goat should be done 24-30 hr after observation of heat. ❖ Feeding of concentrate feed along with jaggery, mineral mixture and salt. ❖ Periodic application of fly repellents and/or netting of dung pit are recommended.

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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 16 th June 2019
Rainfall = NA	Partly/mostly 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 23.0-24.0°C respectively. Expected morning and evening relative humidity will be 83-96% and 34-63% respectively. Wind direction is mainly ESE & E with average wind speed range of 5.9-8.1 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">❖ Follow seedling root-dip treatment in chlorpyriphos 20EC @ 2ml/10lit water for 12 hrs before transplanting rice❖ Maintain adequate moisture level in the transplanted rice field,❖ 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❖ For management of Blast, spraying of Carbendazim @ 2 gram per litre of water or Endofil M45 @ 2.5 gram per litre of water three spraying at 10 days interval,❖ Bio-control using cloves and ginger 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">❖ Collection and deep burying of infected fruit. Installation of pheromone traps.❖ Regular monitoring, collection and destruction of beetles.
HORTICULTURAL CROPS			
Citrus	Fruiting	Trunk borer	<ul style="list-style-type: none">❖ Regular monitoring for detection of trunk borer infestation at the base of the trunk is advised. If wooden frass is observed, cleaning and insertion of cotton soaked in kerosene and plastered with clay and cowdung mixture.
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
Poultry	All stages	Coccidiosis, Ranikhet disease	<ul style="list-style-type: none">❖ Ranikhet vaccination at 5th day and at 30th day of age.❖ Inclusion of turmeric powder @ 10g/kg feed for prevention of coccidiosis.
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 16 th June 2019
Rainfall =31.5 mm	Partly/mostly cloudy with possibility of light/moderate rain. Daily maximum and minimum temperature for the following period is predicted to be 25-27°C and 18.0-19.0°C respectively. Expected morning and evening relative humidity will be 80-94% and 42-61% respectively. Wind direction is mainly variable with average wind speed range of 4.4-6.6 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	<ul style="list-style-type: none"> On clear/dry days, spray carbendazim @ 2gm/lit water in jhum field against leaf blast & leaf spot. Spray chlorpyrifos 20EC @ 2ml/lit water at 15th, 30th & 50th day after transplanting in rice.
Rice (normal sown)	Nursery/ Seeding/ transplanting		<ul style="list-style-type: none"> Rice: Weed free & clean nursery periphery to prevent disease/pest harboring. 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	<ul style="list-style-type: none"> In upland rice, spraying of 1% DAP on clear/dry days recommended to increase the numbers of effective tillers and yields 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/ Late Blight	<ul style="list-style-type: none"> 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. Spraying of COC @2-3 ml/lit at weekly interval advocated during clear/dry days in case of grown outside.
HORTICULTURAL CROPS			
Lemon/other citrus fruits	Fruiting	Fruit drop/ insect pests	<ul style="list-style-type: none"> For insect pert, spray Monocrotophos 36 SL @ 7 ml or Dimethoate 30 EC @ 10 ml in 10 lits of water. Spray Carbendazim 1ml/lit water against fruit drop in citrus.
Large cardamom	Flowering/ fruiting	Stem borer/ shoot fly/ tea mosquito bug	<ul style="list-style-type: none"> Application of COC @ 0.25% at monthly interval for management of flower and capsule rot. Application of neem oil (1500 ppm) @ 5 ml/litre for management of stem borer/ shoot fly/ tea mosquito bug at 15 days interval for 2-3 times.
❖ LIVESTOCK and POULTRY			
Livestock	Stage	Disease	Precautionary Practices to be followed
Cattle/ Goat/ Sheep	All stages		<ul style="list-style-type: none"> Farmers are advised to look for heat sign especially during early morning or late evening and ensure breeding of the dairy cattle 12 hr after observation of heat. Breeding of the sheep/goat should be done 24-30 hr after observation of heat. Feeding of concentrate feed along with jaggery, mineral mixture and salt. Periodic application of fly repellents and/or netting of dung pit are recommended.

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 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 16 th June 2019
Rainfall: 112.7 mm; T. Max: 34.0°C; T. Min: 23.0°C ; RH: 73-98%	Partly/mostly cloudy with possibility of light to rather heavy rain. Daily maximum and minimum temperature for the following period is predicted to be 28.0-31.0°C and 24.0-25.0°C respectively. Expected morning and evening relative humidity will be 78-95% and 35-71% respectively. Wind direction is mainly W & WNW with average wind speed range of 4.4-5.4 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	❖ On clear/dry days, spray carbendazim @ 2gm/lit water in jhum field against leaf blast & leaf spot. ❖ Spray chlorpyriphos 20EC @ 2ml/lit water at 15 th , 30 th & 50 th day after transplanting in rice.
Rice (normal sown)	Nursery/ Seeding/ transplanting		❖ Rice: Weed free & clean nursery periphery to prevent disease/pest harboring. ❖ 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	❖ In upland rice, spraying of 1% DAP on clear/dry days recommended to increase the numbers of effective tillers and yields ❖ 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/ Late Blight	❖ 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. ❖ Spraying of COC @ 2-3 ml/lit at weekly interval advocated during clear/dry days in case of grown outside.
HORTICULTURAL CROPS			
Lemon/other citrus fruits	Fruiting	Fruit drop/ insect pests	❖ For insect pert, spray Monocrotophos 36 SL @ 7 ml or Dimethoate 30 EC @ 10 ml in 10 lits of water. ❖ Spray Carbendazim 1ml/lit water against fruit drop in citrus.
Large cardamom	Flowering/ fruiting	Stem borer/ shoot fly/ tea mosquito bug	❖ Application of COC @ 0.25% at monthly interval for management of flower and capsule rot. ❖ Application of neem oil (1500 ppm) @ 5 ml/litre for management of stem borer/ shoot fly/ tea mosquito bug at 15 days interval for 2-3 times.
❖ LIVESTOCK and POULTRY			
Livestock	Stage	Disease	Precautionary Practices to be followed
Cattle/ Goat/ Sheep	All stages		❖ Farmers are advised to look for heat sign especially during early morning or late evening and ensure breeding of the dairy cattle 12 hr after observation of heat. ❖ Breeding of the sheep/goat should be done 24-30 hr after observation of heat. ❖ Feeding of concentrate feed along with jaggery, mineral mixture and salt.
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: 12th to 16th June 2019)

No: AMFU-Basar/2019/46

Dated: Tuesday, 11th 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 16 th June 2019
Rainfall (Koloriang): 32.1 mm	Partly/Mostly cloudy with possibility of light/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 83-94% and 42-55% respectively. Wind direction is mainly W & WSW with average wind speed range of 5.2-6.7 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">❖ Follow seedling root-dip treatment in chlorpyriphos 20EC @ 2ml/10lit water for 12 hrs before transplanting rice❖ Maintain adequate moisture level in the transplanted rice field,❖ 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❖ For management of Blast, spraying of Carbendazim @ 2 gram per litre of water or Endofil M45 @ 2.5 gram per litre of water three spraying at 10 days interval,❖ Bio-control using cloves and ginger 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">❖ Collection and deep burying of infected fruit. Installation of pheromone traps.❖ Proper drainage should be ensured.❖ Hand weeding at 15 days interval.❖ Regular monitoring, collection and destruction of beetles.
HORTICULTURAL CROPS			
Citrus	Fruiting	Trunk borer	<ul style="list-style-type: none">❖ Regular monitoring for detection of trunk borer infestation at the base of the trunk is advised. If wooden frass is observed, cleaning and insertion of cotton soaked in kerosene and plastered with clay and cowdung mixture.
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
Poultry	All stages	Coccidiosis, Ranikhet disease	<ul style="list-style-type: none">❖ Ranikhet vaccination at 5th day and at 30th day of age.❖ Inclusion of turmeric powder @ 10g/kg feed for prevention of coccidiosis.
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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 16 th June 2019
Rainfall: 53.6 mm (Tezu)	Mostly cloudy with possibility of moderate to rather heavy rain after 13th June. Daily maximum and minimum temperature for the following period is predicted to be 28.0-31.0°C and 24.0-25.0°C respectively. Expected morning and evening relative humidity will be 65-91% and 31-67% respectively. Wind direction is mainly E & ENE average wind speed range of 4.2-6.9 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	<ul style="list-style-type: none"> ❖ On clear/dry days, spray carbendazim @ 2gm/lit water in jhum field against leaf blast & leaf spot. ❖ Spray chlorpyriphos 20EC @ 2ml/lit water at 15th, 30th & 50th day after transplanting in rice.
Rice (normal sown)	Nursery/ Seeding/ transplanting		<ul style="list-style-type: none"> ❖ Rice: Weed free & clean nursery periphery to prevent disease/pest harboring. ❖ 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	<ul style="list-style-type: none"> ❖ In upland rice, spraying of 1% DAP on clear/dry days recommended to increase the numbers of effective tillers and yields ❖ 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/ Late Blight	<ul style="list-style-type: none"> ❖ 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. ❖ Spraying of COC @2-3 ml/lit at weekly interval advocated during clear/dry days in case of grown outside.
HORTICULTURAL CROPS			
Lemon/other citrus fruits	Fruiting	Fruit drop/ insect pests	<ul style="list-style-type: none"> ❖ For insect pert, spray Monocrotophos 36 SL @ 7 ml or Dimethoate 30 EC @ 10 ml in 10 lits of water. ❖ Spray Carbendazim 1ml/lit water against fruit drop in citrus.
Large cardamom	Flowering/ fruiting	Stem borer/ shoot fly/ tea mosquito bug	<ul style="list-style-type: none"> ❖ Application of COC @ 0.25% at monthly interval for management of flower and capsule rot. ❖ Application of neem oil (1500 ppm) @ 5 ml/litre for management of stem borer/ shoot fly/ tea mosquito bug at 15 days interval for 2-3 times.
❖ LIVESTOCK and POULTRY			
Livestock	Stage	Disease	Precautionary Practices to be followed
Cattle/ Goat/ Sheep	All stages		<ul style="list-style-type: none"> ❖ Farmers are advised to look for heat sign especially during early morning or late evening and ensure breeding of the dairy cattle 12 hr after observation of heat. ❖ Breeding of the sheep/goat should be done 24-30 hr after observation of heat. ❖ Feeding of concentrate feed along with jaggery, mineral mixture and salt.
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Gramin Krishi Mausam Sewa
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 16 th June 2019
Rainfall (Roing): 92.1 mm	Partly/Mostly 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 23.0-24.0°C respectively. Expected morning and evening relative humidity will be 75-93% and 32-66% respectively. Wind direction is mainly SE with average wind speed range of 5.0-7.4 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	<ul style="list-style-type: none">❖ On clear/dry days, spray carbendazim @ 2gm/lit water in jhum field against leaf blast & leaf spot.❖ Spray chlorpyrifos 20EC @ 2ml/lit water at 15th, 30th & 50th day after transplanting in rice.
Rice (normal sown)	Nursery/ Seeding/ transplanting		<ul style="list-style-type: none">❖ Rice: Weed free & clean nursery periphery to prevent disease/pest harboring.❖ 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	<ul style="list-style-type: none">❖ In upland rice, spraying of 1% DAP on clear/dry days recommended to increase the numbers of effective tillers and yields❖ 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/ Late Blight	<ul style="list-style-type: none">❖ 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.❖ Spraying of COC @ 2-3 ml/lit at weekly interval advocated during clear/dry days in case of grown outside.
HORTICULTURAL CROPS			
Lemon/other citrus fruits	Fruiting	Fruit drop/ insect pests	<ul style="list-style-type: none">❖ For insect pert, spray Monocrotophos 36 SL @ 7 ml or Dimethoate 30 EC @ 10 ml in 10 lits of water.❖ Spray Carbendazim 1ml/lit water against fruit drop in citrus.
Large cardamom	Flowering/ fruiting	Stem borer/ shoot fly/ tea mosquito bug	<ul style="list-style-type: none">❖ Application of COC @ 0.25% at monthly interval for management of flower and capsule rot.❖ Application of neem oil (1500 ppm) @ 5 ml/litre for management of stem borer/ shoot fly/ tea mosquito bug at 15 days interval for 2-3 times.
❖ LIVESTOCK and POULTRY			
Livestock	Stage	Disease	Precautionary Practices to be followed
Cattle/ Goat/ Sheep	All stages		<ul style="list-style-type: none">❖ Farmers are advised to look for heat sign especially during early morning or late evening and ensure breeding of the dairy cattle 12 hr after observation of heat.❖ Breeding of the sheep/goat should be done 24-30 hr after observation of heat.❖ Feeding of concentrate feed along with jaggery, mineral mixture and salt.❖ Periodic application of fly repellents and/or netting of dung pit are recommended.

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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 16 th June 2019
Ziro: 3.0 mm	Partly/Mostly cloudy with possibility light to rather heavy rain. Daily maximum and minimum temperature for the following period is predicted to be 27.0-30.0°C and 22.0-23.0°C respectively. Expected morning and evening relative humidity will be 81-96% and 40-62% respectively. Wind direction is mainly WNW & NW with average wind speed range of 4.1-5.8 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">Follow seedling root-dip treatment in chlorpyriphos 20EC @ 2ml/10lit water for 12 hrs before transplanting riceMaintain adequate moisture level in the transplanted rice field,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 borerFor management of Blast, spraying of Carbendazim @ 2 gram per litre of water or Endofil M45 @ 2.5 gram per litre of water three spraying at 10 days interval,Bio-control using cloves and ginger 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">Collection and deep burying of infected fruit. Installation of pheromone traps.Proper drainage should be ensured.Hand weeding at 15 days interval.Regular monitoring, collection and destruction of beetles.
HORTICULTURAL CROPS			
Citrus	Fruiting	Trunk borer	<ul style="list-style-type: none">Regular monitoring for detection of trunk borer infestation at the base of the trunk is advised. If wooden frass is observed, cleaning and insertion of cotton soaked in kerosene and plastered with clay and cowdung mixture.
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
Poultry	All stages	Coccidiosis, Ranikhet disease	<ul style="list-style-type: none">Ranikhet vaccination at 5th day and at 30th day of age.Inclusion of turmeric powder @ 10g/kg feed for prevention of coccidiosis.
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ADVISORY FOR DISTRICT: PAPUM PARE

Weather summery of the previous week	Weather forecast valid up to 16 th June 2019
Rainfall: 92.0 mm; T. Max: 35.0°C; T. Min: 24.0°C ; RH: 77-95%	Mostly cloudy with possibility of moderate to rather heavy rain. Daily maximum and minimum temperature for the following period is predicted to be 29.0-32.0°C and 23.0-25.0°C respectively. Expected morning and evening relative humidity will be 84-93% and 47-70% respectively. Wind direction is mainly variable with average wind speed range of 4.0-5.9 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	<ul style="list-style-type: none"> ❖ On clear/dry days, spray carbendazim @ 2gm/lit water in jhum field against leaf blast & leaf spot. ❖ Spray chlorpyriphos 20EC ?@ 2ml/lit water at 15th, 30th & 50th day after transplanting in rice.
Rice (normal sown)	Nursery/ Seeding/ transplanting		<ul style="list-style-type: none"> ❖ Rice: Weed free & clean nursery periphery to prevent disease/pest harboring. ❖ 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	<ul style="list-style-type: none"> ❖ In upland rice, spraying of 1% DAP on clear/dry days recommended to increase the numbers of effective tillers and yields ❖ 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/ Late Blight	<ul style="list-style-type: none"> ❖ 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. ❖ Spraying of COC @2-3 ml/lit at weekly interval advocated during clear/dry days in case of grown outside.
HORTICULTURAL CROPS			
Lemon/other citrus fruits	Fruiting	Fruit drop/ insect pests	<ul style="list-style-type: none"> ❖ For insect pert, spray Monocrotophos 36 SL @ 7 ml or Dimethoate 30 EC @ 10 ml in 10 lits of water. ❖ Spray Carbendazim 1ml/lit water against fruit drop in citrus.
Large cardamom	Flowering/ fruiting	Stem borer/ shoot fly/ tea mosquito bug	<ul style="list-style-type: none"> ❖ Application of COC @ 0.25% at monthly interval for management of flower and capsule rot. ❖ Application of neem oil (1500 ppm) @ 5 ml/litre for management of stem borer/ shoot fly/ tea mosquito bug at 15 days interval for 2-3 times.
❖ LIVESTOCK and POULTRY			
Livestock	Stage	Disease	Precautionary Practices to be followed
Cattle/ Goat/ Sheep	All stages		<ul style="list-style-type: none"> ❖ Farmers are advised to look for heat sign especially during early morning or late evening and ensure breeding of the dairy cattle 12 hr after observation of heat. ❖ Breeding of the sheep/goat should be done 24-30 hr after observation of heat. ❖ Feeding of concentrate feed along with jaggery, mineral mixture and salt. ❖ Periodic application of fly repellents and/or netting of dung pit are recommended.
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ADVISORY FOR DISTRICT: TAWANG

Weather summery of the previous week	Weather forecast valid up to 16 th June 2019
Rainfall: 1.4 mm	Mostly sunny cloudy with possibility of light 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 92-94% and 38-49% respectively. Wind direction is mainly E & SE with average wind speed range of 6.1-7.7 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">❖ Follow seedling root-dip treatment in chlorpyriphos 20EC @ 2ml/10lit water for 12 hrs before transplanting rice❖ Maintain adequate moisture level in the transplanted rice field,❖ 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❖ For management of Blast, spraying of Carbendazim @ 2 gram per litre of water or Endofil M45 @ 2.5 gram per litre of water three spraying at 10 days interval,❖ Bio-control using cloves and ginger 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">❖ Collection and deep burying of infected fruit. Installation of pheromone traps.❖ Proper drainage should be ensured.❖ Hand weeding at 15 days interval.❖ Regular monitoring, collection and destruction of beetles.
HORTICULTURAL CROPS			
Citrus	Fruiting	Trunk borer	<ul style="list-style-type: none">❖ Regular monitoring for detection of trunk borer infestation at the base of the trunk is advised. If wooden frass is observed, cleaning and insertion of cotton soaked in kerosene and plastered with clay and cowdung mixture.
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
Poultry	All stages	Coccidiosis, Ranikhet disease	<ul style="list-style-type: none">❖ Ranikhet vaccination at 5th day and at 30th day of age.❖ Inclusion of turmeric powder @ 10g/kg feed for prevention of coccidiosis.
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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No: AMFU-Basar/2019/46

Dated: Tuesday, 11th June 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 16 th June 2019
Rainfall: NA	Partly/mostly cloudy with possibility of moderate to rather heavy rain. Daily maximum and minimum temperature for the following period is predicted to be 29.0-32.0°C and 23.0-25.0°C respectively. Expected morning and evening relative humidity will be 86-97% and 46-76% respectively. Wind direction is mainly ESE & SE with average wind speed range of 2.9-4.6 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	<ul style="list-style-type: none">❖ On clear/dry days, spray carbendazim @ 2gm/lit water in jhum field against leaf blast & leaf spot.❖ Spray chlorpyriphos 20EC ?@ 2ml/lit water at 15th, 30th & 50th day after transplanting in rice.
Rice (normal sown)	Nursery/ Seeding/ transplanting		<ul style="list-style-type: none">❖ Rice: Weed free & clean nursery periphery to prevent disease/pest harboring.❖ 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	<ul style="list-style-type: none">❖ In upland rice, spraying of 1% DAP on clear/dry days recommended to increase the numbers of effective tillers and yields❖ 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/ Late Blight	<ul style="list-style-type: none">❖ 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.❖ Spraying of COC @ 2-3 ml/lit at weekly interval advocated during clear/dry days in case of grown outside.
HORTICULTURAL CROPS			
Large cardamom	Flowering/ fruiting	Stem borer/ shoot fly/ tea mosquito bug	<ul style="list-style-type: none">❖ Application of COC @ 0.25% at monthly interval for management of flower and capsule rot.❖ Application of neem oil (1500 ppm) @ 5 ml/litre for management of stem borer/ shoot fly/ tea mosquito bug at 15 days interval for 2-3 times.
❖ LIVESTOCK and POULTRY			
Livestock	Stage	Disease	Precautionary Practices to be followed
Cattle/ Goat/ Sheep	All stages		<ul style="list-style-type: none">❖ Farmers are advised to look for heat sign especially during early morning or late evening and ensure breeding of the dairy cattle 12 hr after observation of heat.❖ Breeding of the sheep/goat should be done 24-30 hr after observation of heat.❖ Feeding of concentrate feed along with jaggery, mineral mixture and salt.
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: 12th to 16th June 2019)

No: AMFU-Basar/2019/46

Dated: Tuesday, 11th 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 16 th June 2019
Rainfall: 38.4 mm	Partly/mostly cloudy with possibility of light/moderate rain. Daily maximum and minimum temperature for the following period is predicted to be 25.0-26.0°C and 17.0-19.0°C respectively. Expected morning and evening relative humidity will be 82-97% and 38-60% respectively. Wind direction is mainly SW with average wind speed range of 5.2-6.9 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">❖ Follow seedling root-dip treatment in chlorpyriphos 20EC @ 2ml/10lit water for 12 hrs before transplanting rice❖ Maintain adequate moisture level in the transplanted rice field,❖ 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❖ For management of Blast, spraying of Carbendazim @ 2 gram per litre of water or Endofil M45 @ 2.5 gram per litre of water three spraying at 10 days interval,❖ Bio-control using cloves and ginger 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">❖ Collection and deep burying of infected fruit. Installation of pheromone traps.❖ Proper drainage should be ensured.❖ Hand weeding at 15 days interval.❖ Regular monitoring, collection and destruction of beetles.
HORTICULTURAL CROPS			
Citrus	Fruiting	Trunk borer	<ul style="list-style-type: none">❖ Regular monitoring for detection of trunk borer infestation at the base of the trunk is advised. If wooden frass is observed, cleaning and insertion of cotton soaked in kerosene and plastered with clay and cowdung mixture.
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
Poultry	All stages	Coccidiosis, Ranikhet disease	<ul style="list-style-type: none">❖ Ranikhet vaccination at 5th day and at 30th day of age.❖ Inclusion of turmeric powder @ 10g/kg feed for prevention of coccidiosis.
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