



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



(Period: 26th to 30th June 2019)

No: AMFU-Basar/2019/50

Dated: Tuesday, 25th June 2019



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

ADVISORY FOR DISTRICT: TIRAP

Weather summary of the previous week	Weather forecast valid up to 30 th June 2019
Rainfall: 10.8 mm	Mostly cloudy with possibility of moderate to heavy rain. Daily maximum and minimum temperature for the following period is predicted to be 28.0-30.0°C and 25.0-27.0°C respectively. Expected morning and evening relative humidity will be 95-99% and 73-89% respectively. Wind direction is mainly ESE & E with average wind speed range of 2.2-3.8 kmph.
Warning:	<ul style="list-style-type: none"> Moderate rain/thundershowers is very likely to occur at most places over Arunachal Pradesh.

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 (normal sown)	Nursery/ Transplantation	Blast	<ul style="list-style-type: none"> ❖ Rice Blast may occur in the nursery bed. Temperature above 30°C with humidity over 80 percent is highly favourable for the disease. Over use of nitrogen aggravates the disease. To manage the attacks apply Carbendazim+ Mancozeb @ 2.5 gm per liter of water into the seedbed. ❖ Field sanitation along with removal of hosts and infected debris from the field also would be helpful to manage the attack.
Rice (early sown)	Stem elongation/ panicle initiation	Leaf blast/ leaf spot/ leaf folder	<ul style="list-style-type: none"> ❖ Keep the periphery of field clean and weed-free to avoid disease/pest harboring. ❖ Regular monitoring of field to detect any possible attack of insects/ disease. ❖ In case of heavy infestation of Blast, spray Carbendazim @ 2 gram per litre of water or Endofil M45 @ 2.5 gram per litre of water in 3 spraying at 10 days interval
Jhum Rice	Stem elongation/ panicle initiation/ booting	leaf folder	<ul style="list-style-type: none"> ❖ Strengthen the bund to protect from heavy rain. Avoid water stagnation. ❖ Keep the periphery of the field clean and weed free.
Maize	Silking		<ul style="list-style-type: none"> ❖ Monitor the crop against attack of insect pests & avoid water stagnation

VEGETABLES

Tomato/ chilli/ brinjal	Flowering/ Fruiting	Aphids / white fly	<ul style="list-style-type: none"> ❖ Provide proper support to the crop, ❖ Spraying of Mancozeb @ 2 gm per litre + cypermethrin @ 2 ml per litre of water for crop grown under protected environment,
French bean/ pulses	Vegetative/ fruiting		<ul style="list-style-type: none"> ❖ Proper drainage in the field ❖ Any type of caterpillar observed in the field may be manually collected and destroyed in the dusk hours in the crop field.

HORTICULTURAL CROPS

Banana	Multiple stage		<ul style="list-style-type: none"> ❖ Earthing up followed by fertilizer application during clear/dry days followed by mulching with locally available grass/straw to protect from rain
Guava	Flowering/ fruiting		<ul style="list-style-type: none"> ❖ Dispose off dropped fruit properly by digging up, ❖ Water stagnation should be avoided, ❖ Smoking on a clear evening will repel the insect pests

❖ **LIVESTOCK and POULTRY**

Livestock	Stage	Disease	Precautionary Practices to be followed
Pig	All stages	Piglet Diarrhoea	<ul style="list-style-type: none"> ❖ Causes by bacteria and sudden change in feed and temperature, managed by Furazolidone, streptomycin etc.
Cattle/goat/sheep	All stages		<ul style="list-style-type: none"> ❖ Animals should be grazed in pastures during the early hours of the morning, in the evening or at night. In addition, adequate amounts of water should also be provided to them.

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: UPPER SIANG

Weather summary of the previous week	Weather forecast valid up to 30 th June 2019
Rainfall: 112.4 mm	Mostly cloudy with possibility of moderate to heavy rain. Daily maximum and minimum temperature for the following period is predicted to be 32.0-34.0°C and 25.0-26.0°C respectively. Expected morning and evening relative humidity will be 94-98% and 70-85% respectively. Wind direction is mainly SSW & S with average wind speed of 3.8-4.4 kmph.
Warning:	<ul style="list-style-type: none">Heavy to very heavy rain is very likely to occur at isolated places over Arunachal Pradesh

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	Transplantation/ Tillering/ Stem elongagtion	Yellow stem borer/ Leaf Blast	<ul style="list-style-type: none">❖ Transplanting of healthy seedling @ 2 seedlings per hill❖ Before transplanting, remove the upper tip portions of the seedlings to destroy the eggs of YSB❖ Spraying of crop with Carbandazim 50 WP @ 1 grams per litre of water both in nursery and in main crop is advised,
Jhum rice	Tillering/Stem elongagtion	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. Avoid water stagnation.❖ Keep the surrounding clean/ weed-free to avoid disease/pest harboring
Kharif Maize	Sowing		<ul style="list-style-type: none">❖ Collect seed of variety DA-61A, Vivek Hybrid-21, Vivek QPM-9 etc from certified agency❖ Ensure seed treatment with carbendazim/Thiram @2g/kg seeds.❖ Sowing only during clear/dry weather
VEGETABLES			
Chilli/ tomato/ brinjal	Vegetative/ Flowering	Leaf Curl	<ul style="list-style-type: none">❖ Spray imidacloprid 17.8 SL (0.003%) to the crops inside net/green house or grown in shade
French Bean, black gram, green gram	Fruiting	Bean borer	<ul style="list-style-type: none">❖ Any type of caterpillar observed in the field may be manually collected and destroyed in the dusk hours in the crop field.
HORTICULTURAL CROPS			
Citrus	Flowering/fruiti ng	Trunk borer	<ul style="list-style-type: none">❖ Install light trap to collect trunk borer adults or hand pick the adults during May-June by shaking the trees to dislodge the adults feeding on leaves & twigs,
Ginger/turmeric	Vegetative stage	Rhizome rot	<ul style="list-style-type: none">❖ The plot should be well drained free from water logging to prevent rhizome rot. The field must be inspected regularly for disease appearance and more often when it rains.
Kiwi	Flowering	Leaf eating beetle	<ul style="list-style-type: none">❖ Hand collection of the insects and its destruction,❖ Make proper drainage facility in the crop area
LIVESTOCKS			
Livestock	Stage	Disease	Precautionary Practices to be followed
Poultry	Chicks		<ul style="list-style-type: none">❖ Vaccination as per the schedule with proper consultation with vet. Day old chick: HVT Marek disease vaccine, 4-7 days: F/Lasota, 14-18 days: Intermediate plus/IBD vaccine, 35 days: F/Lasota, 6-7 weeks: Chicken embryo adopted fowl pox vaccine and 56-70 days: RD R-2B strain.
Fishery			<ul style="list-style-type: none">❖ To avoid water turbidity, use grass turfing or horticultural crop at embankment/dyke of the earthen fish pond.
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 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 30 th June 2019
Daporijo: 41.8 mm	Mostly cloudy with possibility of moderate to heavy rain. Daily maximum and minimum temperature for the following period is predicted to be 28.0-29.0°C and 23.0-25.0°C respectively. Expected morning and evening relative humidity will be 96-98% and 70-84% respectively. Wind direction is mainly SSE & S with average wind speed range of 3.5 -4.2 kmph.
Warning:	<ul style="list-style-type: none"> Moderate rain/thundershowers is very likely to occur at most places over Arunachal Pradesh.

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 (normal sown)	Nursery/ Transplantation	Blast	<ul style="list-style-type: none"> ❖ Rice Blast may occur in the nursery bed. Temperature above 30°C with humidity over 80 percent is highly favourable for the disease. Over use of nitrogen aggravates the disease. To manage the attacks apply Carbendazim+ Mancozeb @ 2.5 gm per liter of water into the seedbed. ❖ Field sanitation along with removal of hosts and infected debris from the field also would be helpful to manage the attack.
Rice (early sown)	Stem elongation/ panicle initiation	Leaf blast/ leaf spot/ leaf folder	<ul style="list-style-type: none"> ❖ Keep the periphery of field clean and weed-free to avoid disease/pest harboring. ❖ Regular monitoring of field to detect any possible attack of insects/ disease. ❖ In case of heavy infestation of Blast, spray Carbendazim @ 2 gram per litre of water or Endofil M45 @ 2.5 gram per litre of water in 3 spraying at 10 days interval
Jhum Rice	Stem elongation/ panicle initiation/ booting	leaf folder	<ul style="list-style-type: none"> ❖ Strengthen the bund to protect from heavy rain. Avoid water stagnation. ❖ Keep the periphery of the field clean and weed free.
Maize	Silking		<ul style="list-style-type: none"> ❖ Monitor the crop against attack of insect pests & avoid water stagnation

VEGETABLES

Tomato/ chilli/ brinjal	Flowering/ Fruiting	Aphids / white fly	<ul style="list-style-type: none"> ❖ Provide proper support to the crop. ❖ Spraying of Mancozeb @ 2 gm per litre + cypermethrin @ 2 ml per litre of water for crop grown under protected environment,
French bean/ pulses	Vegetative/ fruiting		<ul style="list-style-type: none"> ❖ Proper drainage in the field ❖ Any type of caterpillar observed in the field may be manually collected and destroyed in the dusk hours in the crop field.

HORTICULTURAL CROPS

Banana	Multiple stage		<ul style="list-style-type: none"> ❖ Earthing up followed by fertilizer application during clear/dry days followed by mulching with locally available grass/straw to protect from rain
Guava	Flowering/ fruiting		<ul style="list-style-type: none"> ❖ Dispose off dropped fruit properly by digging up, ❖ Water stagnation should be avoided, ❖ Smoking on a clear evening will repel the insect pests

❖ **LIVESTOCK and POULTRY**

Livestock	Stage	Disease	Precautionary Practices to be followed
Pig	All stages	Piglet Diarrhoea	<ul style="list-style-type: none"> ❖ Causes by bacteria and sudden change in feed and temperature, managed by Furazolidone, streptomycin etc.
Cattle/goat/sheep	All stages		<ul style="list-style-type: none"> ❖ Animals should be grazed in pastures during the early hours of the morning, in the evening or at night. In addition, adequate amounts of water should also be provided to them.

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ADVISORY FOR DISTRICT: WEST KAMENG

Weather summery of the previous week	Weather forecast valid up to 30 th June 2019
Rainfall = Bomdila: 0.0 mm ; Bhalukpong: 3.2 mm; Kalaktang: 1.2 mm	Mostly cloudy with possibility of moderate to heavy rain. Daily maximum and minimum temperature for the following period is predicted to be 26.0-27.0°C and 23.0-24.0°C respectively. Expected morning and evening relative humidity will be 96-98% and 75-92% respectively. Wind direction is mainly variable wind speed range of 3.9-5.4 kmph.
WARNING:	Heavy to very heavy rain is very likely to occur at isolated places over Arunachal Pradesh

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	Transplantation/ Tillering/ Stem elongagtion	Yellow stem borer/ Leaf Blast	<ul style="list-style-type: none">❖ <i>Transplanting of healthy seedling @ 2 seedlings per hill</i>❖ Before transplanting, remove the upper tip portions of the seedlings to destroy the eggs of YSB❖ Spraying of crop with Carbandazim 50 WP @ 1 grams per litre of water both in nursery and in main crop is advised,
Jhum rice	Tillering/Stem elongagtion	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. Avoid water stagnation.❖ Keep the surrounding clean/ weed-free to avoid disease/pest harboring
Kharif Maize	Sowing		<ul style="list-style-type: none">❖ Collect seed of variety DA-61A, Vivek Hybrid-21, Vivek QPM-9 etc from certified agency❖ Ensure seed treatment with carbendazim/Thiram @2g/kg seeds.❖ Sowing only during clear/dry weather
VEGETABLES			
Chilli/ tomato/ brinjal	Vegetative/ Flowering	Leaf Curl	<ul style="list-style-type: none">❖ Spray imidacloprid 17.8 SL (0.003%) to the crops inside net/green house or grown in shade
French Bean, black gram, green gram	Fruiting	Bean borer	<ul style="list-style-type: none">❖ Any type of caterpillar observed in the field may be manually collected and destroyed in the dusk hours in the crop field.
HORTICULTURAL CROPS			
Citrus	Flowering/fruiti ng	Trunk borer	<ul style="list-style-type: none">❖ Install light trap to collect trunk borer adults or hand pick the adults during May-June by shaking the trees to dislodge the adults feeding on leaves & twigs,
Ginger/turmeric	Vegetative stage	Rhizome rot	<ul style="list-style-type: none">❖ The plot should be well drained free from water logging to prevent rhizome rot. The field must be inspected regularly for disease appearance and more often when it rains.
Kiwi	Flowering	Leaf eating beetle	<ul style="list-style-type: none">❖ Hand collection of the insects and its destruction,❖ Make proper drainage facility in the crop area
LIVESTOCKS			
Livestock	Stage	Disease	Precautionary Practices to be followed
Poultry	Chicks		<ul style="list-style-type: none">❖ Vaccination as per the schedule with proper consultation with vet. Day old chick: HVT Marek disease vaccine, 4-7 days: F/Lasota, 14-18 days: Intermediate plus/IBD vaccine, 35 days: F/Lasota, 6-7 weeks: Chicken embryo adopted fowl pox vaccine and 56-70 days: RD R-2B strain.
Fishery			<ul style="list-style-type: none">❖ To avoid water turbidity, use grass turfing or horticultural crop at embankment/dyke of the earthen fish pond.

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ADVISORY FOR DISTRICT: WEST SIANG

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

Weather summery of the previous week	Weather forecast valid up to 30 th June 2019
BASAR Rainfall: 63.8 mm, Max. T: 32.0°C, Min. T: 22.0°C, Wind Speed: 4-5 km/h, RH: 68-99%, Wind Direction: WSW	Mostly cloudy with possibility of moderate to heavy rain. Daily maximum and minimum temperature for the following period is predicted to be 27.0-29.0°C and 24.0-25.0°C respectively. Expected morning and evening relative humidity will be 96-98% and 70-90% respectively. Wind direction is mainly SSE & S with average wind speed of 3.5-4.3 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 (normal sown)	Nursery/ Transplantation	Blast	<ul style="list-style-type: none">❖ Rice Blast may occur in the nursery bed. Temperature above 30°C with humidity over 80 percent is highly favourable for the disease. Over use of nitrogen aggravates the disease. To manage the attacks apply Carbendazim+ Mancozeb @ 2.5 gm per liter of water into the seedbed.❖ Field sanitation along with removal of hosts and infected debris from the field also would be helpful to manage the attack.
Rice (early sown)	Stem elongation/ panicle initiation	Leaf blast/ leaf spot/ leaf folder	<ul style="list-style-type: none">❖ Keep the periphery of field clean and weed-free to avoid disease/pest harboring.❖ Regular monitoring of field to detect any possible attack of insects/ disease.❖ In case of heavy infestation of Blast, spray Carbendazim @ 2 gram per litre of water or Endofil M45 @ 2.5 gram per litre of water in 3 spraying at 10 days interval
Jhum Rice	Stem elongation/ panicle initiation/ booting	leaf folder	<ul style="list-style-type: none">❖ Strengthen the bund to protect from heavy rain. Avoid water stagnation.❖ Keep the periphery of the field clean and weed free.
Maize	Silking		<ul style="list-style-type: none">❖ Monitor the crop against attack of insect pests & avoid water stagnation
VEGETABLES			
Tomato/ chilli/ brinjal	Flowering/ Fruiting	Aphids / white fly	<ul style="list-style-type: none">❖ <u>Provide proper support to the crop,</u>❖ Spraying of Mancozeb @ 2 gm per litre + cypermethrin @ 2 ml per litre of water for crop grown under protected environment,
French bean/ pulses	Vegetative/ fruiting		<ul style="list-style-type: none">❖ Proper drainage in the field❖ Any type of caterpillar observed in the field may be manually collected and destroyed in the dusk hours in the crop field.
HORTICULTURAL CROPS			
Banana	Multiple stage		<ul style="list-style-type: none">❖ Earthing up followed by fertilizer application during clear/dry days followed by mulching with locally available grass/straw to protect from rain
Guava	Flowering/ fruiting		<ul style="list-style-type: none">❖ Dispose off dropped fruit properly by digging up,❖ Water stagnation should be avoided,❖ Smoking on a clear evening will repel the insect pests
❖ LIVESTOCK and POULTRY			
Livestock	Stage	Disease	Precautionary Practices to be followed
Pig	All stages	Piglet Diarrhoea	<ul style="list-style-type: none">❖ Causes by bacteria and sudden change in feed and temperature, managed by Furazolidone, streptomycin etc.
Cattle/goat/sheep	All stages		<ul style="list-style-type: none">❖ Animals should be grazed in pastures during the early hours of the morning, in the evening or at night. In addition, adequate amounts of water should also be provided to them.
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: ANJAW

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

Weather summary of the previous week	Weather forecast valid up to 30 th June 2019
No weather summary available	Mostly cloudy with possibility of moderate to very heavy rain. Daily maximum and minimum temperature for the following period is predicted to be 24.0-25.0°C and 19-20.0°C respectively. Expected morning and evening relative humidity will be 93-98% and 74-88% respectively. Wind direction is mainly E with average wind speed range of 3.7-5.5 kmph.
Warning:	❖ Heavy to very heavy rain is very likely to occur at isolated places over Arunachal Pradesh

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	Transplantation/ Tillering/ Stem elongagtion	Yellow stem borer/ Leaf Blast	<ul style="list-style-type: none">❖ <i>Transplanting of healthy seedling @ 2 seedlings per hill</i>❖ Before transplanting, remove the upper tip portions of the seedlings to destroy the eggs of YSB❖ Spraying of crop with Carbandazim 50 WP @ 1 grams per litre of water both in nursery and in main crop is advised,
Jhum rice	Tillering/Stem elongagtion	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. Avoid water stagnation.❖ Keep the surrounding clean/ weed-free to avoid disease/pest harboring
Kharif Maize	Sowing		<ul style="list-style-type: none">❖ Collect seed of variety DA-61A, Vivek Hybrid-21, Vivek QPM-9 etc from certified agency❖ Ensure seed treatment with carbendazim/Thiram @2g/kg seeds.❖ Sowing only during clear/dry weather
VEGETABLES			
Chilli/ tomato/ brinjal	Vegetative/ Flowering	Leaf Curl	❖ Spray imidacloprid 17.8 SL (0.003%) to the crops inside net/green house or grown in shade
French Bean, black gram, green gram	Fruiting	Bean borer	❖ Any type of caterpillar observed in the field may be manually collected and destroyed in the dusk hours in the crop field.
HORTICULTURAL CROPS			
Citrus	Flowering/fruti ng	Trunk borer	<ul style="list-style-type: none">❖ Install light trap to collect trunk borer adults or hand pick the adults during May-June by shaking the trees to dislodge the adults feeding on leaves & twigs,
Ginger/turmeric	Vegetative stage	Rhizome rot	❖ The plot should be well drained free from water logging to prevent rhizome rot. The field must be inspected regularly for disease appearance and more often when it rains.
Kiwi	Flowering	Leaf eating beetle	<ul style="list-style-type: none">❖ Hand collection of the insects and its destruction,❖ Make proper drainage facility in the crop area
LIVESTOCKS			
Livestock	Stage	Disease	Precautionary Practices to be followed
Pigs	All stages		❖ Avoid dampness and cover weak and sick animals with sack cloth.
Poultry	Chicks		❖ Vaccination as per the schedule with proper consultation with vet. Day old chick: HVT Marek disease vaccine, 4-7 days: F/Lasota, 14-18 days: Intermediate plus/IBD vaccine, 35 days: F/Lasota, 6-7 weeks: Chicken embryo adopted fowl pox vaccine and 56-70 days: RD R-2B strain.
Fishery			❖ To avoid water turbidity, use grass turfing or horticultural crop at embankment/dyke of the earthen fish pond.

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

ADVISORY FOR DISTRICT: CHANGLANG

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

Weather summery of the previous week	Weather forecast valid up to 30 th June 2019
Rainfall = Changlang: 56.6 mm Miao: 53.4 mm	Mostly cloudy with possibility of moderate to heavy rain. Daily maximum and minimum temperature for the following period is predicted to be 27.0-29.0°C and 24.0-25.0°C respectively. Expected morning and evening relative humidity will be 94-98% and 73-89% respectively. Wind direction is mainly SE & ESE with average wind speed range of 2.2-3.3 kmph.

Warning:

- Moderate rain/thundershowers is very likely to occur at most places over Arunachal Pradesh.**

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 (normal sown)	Nursery/ Transplantation	Blast	<ul style="list-style-type: none">Rice Blast may occur in the nursery bed. Temperature above 30°C with humidity over 80 percent is highly favourable for the disease. Over use of nitrogen aggravates the disease. To manage the attacks apply Carbendazim+ Mancozeb @ 2.5 gm per liter of water into the seedbed.Field sanitation along with removal of hosts and infected debris from the field also would be helpful to manage the attack.
Rice (early sown)	Stem elongation/ panicle initiation	Leaf blast/ leaf spot/ leaf folder	<ul style="list-style-type: none">Keep the periphery of field clean and weed-free to avoid disease/pest harboring.Regular monitoring of field to detect any possible attack of insects/ disease.In case of heavy infestation of Blast, spray Carbendazim @ 2 gram per litre of water or Endofil M45 @ 2.5 gram per litre of water in 3 spraying at 10 days interval
Jhum Rice	Stem elongation/ panicle initiation/ booting	leaf folder	<ul style="list-style-type: none">Strengthen the bund to protect from heavy rain. Avoid water stagnation.Keep the periphery of the field clean and weed free.

VEGETABLES

Tomato/ chilli/ brinjal	Flowering/ Fruiting	Aphids / white fly	<ul style="list-style-type: none">Provide proper support to the crop,Spraying of Mancozeb @ 2 gm per litre + cypermethrin @ 2 ml per litre of water for crop grown under protected environment,
French bean/ pulses	Vegetative/ fruiting		<ul style="list-style-type: none">Proper drainage in the fieldAny type of caterpillar observed in the field may be manually collected and destroyed in the dusk hours in the crop field.

HORTICULTURAL CROPS

Banana	Multiple stage		<ul style="list-style-type: none">Earthing up followed by fertilizer application during clear/dry days followed by mulching with locally available grass/straw to protect from rain
Guava	Flowering/ fruiting		<ul style="list-style-type: none">Dispose off dropped fruit properly by digging up,Water stagnation should be avoided,Smoking on a clear evening will repel the insect pests

❖ LIVESTOCK and POULTRY

Livestock	Stage	Disease	Precautionary Practices to be followed
Pig	All stages	Piglet Diarrhoea	<ul style="list-style-type: none">Causes by bacteria and sudden change in feed and temperature, managed by Furazolidone, streptomycin etc.
Cattle/goat/sheep	All stages		<ul style="list-style-type: none">Animals should be grazed in pastures during the early hours of the morning, in the evening or at night. In addition, adequate amounts of water should also be provided to them.

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: 26th to 30th June 2019)

No: AMFU-Basar/2019/50

Dated: Tuesday, 25th June 2019



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

ADVISORY FOR DISTRICT: UPPER DIBANG VALLEY

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

Weather summery of the previous week	Weather forecast valid up to 30 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 25.0-27.0°C and 22.0-24.0°C respectively. Expected morning and evening relative humidity will be 94-98% and 76-86% respectively. Wind direction is mainly ESE & E with average wind speed range of 4.6-5.5 kmph.
Warning:	<ul style="list-style-type: none">Heavy to very heavy rain is very likely to occur at isolated places over Arunachal Pradesh

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	Transplantation/ Tillering/ Stem elongagtion	Yellow stem borer/ Leaf Blast	<ul style="list-style-type: none">❖ <i>Transplanting of healthy seedling @ 2 seedlings per hill</i>❖ Before transplanting, remove the upper tip portions of the seedlings to destroy the eggs of YSB❖ Spraying of crop with Carbandazim 50 WP @ 1 grams per litre of water both in nursery and in main crop is advised,
Jhum rice	Tillering/Stem elongagtion	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. Avoid water stagnation.❖ Keep the surrounding clean/ weed-free to avoid disease/pest harboring
Kharif Maize	Sowing		<ul style="list-style-type: none">❖ Collect seed of variety DA-61A, Vivek Hybrid-21, Vivek QPM-9 etc from certified agency❖ Ensure seed treatment with carbendazim/Thiram @2g/kg seeds.❖ Sowing only during clear/dry weather
VEGETABLES			
Chilli/ tomato/ brinjal	Vegetative/ Flowering	Leaf Curl	<ul style="list-style-type: none">❖ Spray imidacloprid 17.8 SL (0.003%) to the crops inside net/green house or grown in shade
French Bean, black gram, green gram	Fruiting	Bean borer	<ul style="list-style-type: none">❖ Any type of caterpillar observed in the field may be manually collected and destroyed in the dusk hours in the crop field.
HORTICULTURAL CROPS			
Citrus	Flowering/fruiti ng	Trunk borer	<ul style="list-style-type: none">❖ Install light trap to collect trunk borer adults or hand pick the adults during May-June by shaking the trees to dislodge the adults feeding on leaves & twigs,
Ginger/turmeric	Vegetative stage	Rhizome rot	<ul style="list-style-type: none">❖ The plot should be well drained free from water logging to prevent rhizome rot. The field must be inspected regularly for disease appearance and more often when it rains.
Kiwi	Flowering	Leaf eating beetle	<ul style="list-style-type: none">❖ Hand collection of the insects and its destruction,❖ Make proper drainage facility in the crop area
LIVESTOCKS			
Livestock	Stage	Disease	Precautionary Practices to be followed
Poultry	Chicks		<ul style="list-style-type: none">❖ Vaccination as per the schedule with proper consultation with vet. Day old chick: HVT Marek disease vaccine, 4-7 days: F/Lasota, 14-18 days: Intermediate plus/IBD vaccine, 35 days: F/Lasota, 6-7 weeks: Chicken embryo adopted fowl pox vaccine and 56-70 days: RD R-2B strain.
Fishery			<ul style="list-style-type: none">❖ To avoid water turbidity, use grass turfing or horticultural crop at embankment/dyke of the earthen fish pond.
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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Dated: Tuesday, 25th June 2019



Gramin Krishi Mausam Sewa
 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 30 th June 2019
Rainfall = 42.3 mm	Mostly cloudy with possibility of moderate to very heavy rain. Daily maximum and minimum temperature for the following period is predicted to be 26-27°C and 23.0-24.0°C respectively. Expected morning and evening relative humidity will be 95-98% and 68-90% respectively. Wind direction is mainly E & S with average wind speed range of 3.6-4.8 kmph.
Warning:	<ul style="list-style-type: none"> Moderate rain/thundershowers is very likely to occur at most places over Arunachal Pradesh.

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 (normal sown)	Nursery/ Transplantation	Blast	<ul style="list-style-type: none"> Rice Blast may occur in the nursery bed. Temperature above 30°C with humidity over 80 percent is highly favourable for the disease. Over use of nitrogen aggravates the disease. To manage the attacks apply Carbendazim+ Mancozeb @ 2.5 gm per liter of water into the seedbed. Field sanitation along with removal of hosts and infected debris from the field also would be helpful to manage the attack.
Rice (early sown)	Stem elongation/ panicle initiation	Leaf blast/ leaf spot/ leaf folder	<ul style="list-style-type: none"> Keep the periphery of field clean and weed-free to avoid disease/pest harboring. Regular monitoring of field to detect any possible attack of insects/ disease. In case of heavy infestation of Blast, spray Carbendazim @ 2 gram per litre of water or Endofil M45 @ 2.5 gram per litre of water in 3 spraying at 10 days interval
Jhum Rice	Stem elongation/ panicle initiation/ booting	leaf folder	<ul style="list-style-type: none"> Strengthen the bund to protect from heavy rain. Avoid water stagnation. Keep the periphery of the field clean and weed free.
Maize	Silking		<ul style="list-style-type: none"> Monitor the crop against attack of insect pests & avoid water stagnation
VEGETABLES			
Tomato/ chilli/ brinjal	Flowering/ Fruiting	Aphids / white fly	<ul style="list-style-type: none"> Provide proper support to the crop, Spraying of Mancozeb @ 2 gm per litre + cypermethrin @ 2 ml per litre of water for crop grown under protected environment,
French bean/ pulses	Vegetative/ fruiting		<ul style="list-style-type: none"> Proper drainage in the field Any type of caterpillar observed in the field may be manually collected and destroyed in the dusk hours in the crop field.
HORTICULTURAL CROPS			
Banana	Multiple stage		<ul style="list-style-type: none"> Earthing up followed by fertilizer application during clear/dry days followed by mulching with locally available grass/straw to protect from rain
Guava	Flowering/ fruiting		<ul style="list-style-type: none"> Dispose off dropped fruit properly by digging up, Water stagnation should be avoided, Smoking on a clear evening will repel the insect pests
❖ LIVESTOCK and POULTRY			
Livestock	Stage	Disease	Precautionary Practices to be followed
Pig	All stages	Piglet Diarrhoea	<ul style="list-style-type: none"> Causes by bacteria and sudden change in feed and temperature, managed by Furazolidone, streptomycin etc.
Cattle/goat/sheep	All stages		<ul style="list-style-type: none"> Animals should be grazed in pastures during the early hours of the morning, in the evening or at night. In addition, adequate amounts of water should also be provided to them.
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: EAST SIANG

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

Weather summery of the previous week	Weather forecast valid up to 30 th June 2019
Rainfall: 96.8 mm; T. Max: 35.0°C; T. Min: 24.0°C ; RH: 69-100%	Mostly cloudy with possibility of moderate to heavy rain. Daily maximum and minimum temperature for the following period is predicted to be 27.0-29.0°C and 24.0-25.0°C respectively. Expected morning and evening relative humidity will be 93-98% and 65-95% respectively. Wind direction is mainly E & ESE with average wind speed of 3.0-3.8 kmph.
Warning:	<ul style="list-style-type: none"> Moderate rain/thundershowers is very likely to occur at most places over Arunachal Pradesh.

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 (normal sown)	Nursery/ Transplantation	Blast	<ul style="list-style-type: none"> Rice Blast may occur in the nursery bed. Temperature above 30°C with humidity over 80 percent is highly favourable for the disease. Over use of nitrogen aggravates the disease. To manage the attacks apply Carbendazim+ Mancozeb @ 2.5 gm per liter of water into the seedbed. Field sanitation along with removal of hosts and infected debris from the field also would be helpful to manage the attack.
Rice (early sown)	Stem elongation/ panicle initiation	Leaf blast/ leaf spot/ leaf folder	<ul style="list-style-type: none"> Keep the periphery of field clean and weed-free to avoid disease/pest harboring. Regular monitoring of field to detect any possible attack of insects/ disease. In case of heavy infestation of Blast, spray Carbendazim @ 2 gram per litre of water or Endofil M45 @ 2.5 gram per litre of water in 3 spraying at 10 days interval
Jhum Rice	Stem elongation/ panicle initiation/ booting	leaf folder	<ul style="list-style-type: none"> Strengthen the bund to protect from heavy rain. Avoid water stagnation. Keep the periphery of the field clean and weed free.
Maize	Silking		<ul style="list-style-type: none"> Monitor the crop against attack of insect pests & avoid water stagnation
VEGETABLES			
Tomato/ chilli/ brinjal	Flowering/ Fruiting	Aphids / white fly	<ul style="list-style-type: none"> Provide proper support to the crop. Spraying of Mancozeb @ 2 gm per litre + cypermethrin @ 2 ml per litre of water for crop grown under protected environment,
French bean/ pulses	Vegetative/ fruiting		<ul style="list-style-type: none"> Proper drainage in the field Any type of caterpillar observed in the field may be manually collected and destroyed in the dusk hours in the crop field.
HORTICULTURAL CROPS			
Banana	Multiple stage		<ul style="list-style-type: none"> Earthing up followed by fertilizer application during clear/dry days followed by mulching with locally available grass/straw to protect from rain
Guava	Flowering/ fruiting		<ul style="list-style-type: none"> Dispose off dropped fruit properly by digging up, Water stagnation should be avoided, Smoking on a clear evening will repel the insect pests
❖ LIVESTOCK and POULTRY			
Livestock	Stage	Disease	Precautionary Practices to be followed
Pig	All stages	Piglet Diarrhoea	<ul style="list-style-type: none"> Causes by bacteria and sudden change in feed and temperature, managed by Furazolidone, streptomycin etc.
Cattle/goat/sheep	All stages		<ul style="list-style-type: none"> Animals should be grazed in pastures during the early hours of the morning, in the evening or at night. In addition, adequate amounts of water should also be provided to them.
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: KURUNG KUMEY

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

Weather summery of the previous week	Weather forecast valid up to 30 th June 2019
Rainfall (Koloriang): NA	Mostly cloudy with possibility of moderate to heavy rain. Daily maximum and minimum temperature for the following period is predicted to be 22-23.0°C and 18-19.0°C respectively. Expected morning and evening relative humidity will be 96-98% and 68-83% respectively. Wind direction is mainly SE & S with average wind speed range of 4.2-5.2 kmph.
Warning:	<ul style="list-style-type: none">Heavy to very heavy rain is very likely to occur at isolated places over Arunachal Pradesh

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	Transplantation/ Tillering/ Stem elongagtion	Yellow stem borer/ Leaf Blast	<ul style="list-style-type: none">❖ <i>Transplanting of healthy seedling @ 2 seedlings per hill</i>❖ Before transplanting, remove the upper tip portions of the seedlings to destroy the eggs of YSB❖ Spraying of crop with Carbandazim 50 WP @ 1 grams per litre of water both in nursery and in main crop is advised,
Jhum rice	Tillering/Stem elongagtion	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. Avoid water stagnation.❖ Keep the surrounding clean/ weed-free to avoid disease/pest harboring
Kharif Maize	Sowing		<ul style="list-style-type: none">❖ Collect seed of variety DA-61A, Vivek Hybrid-21, Vivek QPM-9 etc from certified agency❖ Ensure seed treatment with carbendazim/Thiram @2g/kg seeds.❖ Sowing only during clear/dry weather
VEGETABLES			
Chilli/ tomato/ brinjal	Vegetative/ Flowering	Leaf Curl	<ul style="list-style-type: none">❖ Spray imidacloprid 17.8 SL (0.003%) to the crops inside net/green house or grown in shade
French Bean, black gram, green gram	Fruiting	Bean borer	<ul style="list-style-type: none">❖ Any type of caterpillar observed in the field may be manually collected and destroyed in the dusk hours in the crop field.
HORTICULTURAL CROPS			
Citrus	Flowering/fruiti ng	Trunk borer	<ul style="list-style-type: none">❖ Install light trap to collect trunk borer adults or hand pick the adults during May-June by shaking the trees to dislodge the adults feeding on leaves & twigs,
Ginger/turmeric	Vegetative stage	Rhizome rot	<ul style="list-style-type: none">❖ The plot should be well drained free from water logging to prevent rhizome rot. The field must be inspected regularly for disease appearance and more often when it rains.
Kiwi	Flowering	Leaf eating beetle	<ul style="list-style-type: none">❖ Hand collection of the insects and its destruction,❖ Make proper drainage facility in the crop area
LIVESTOCKS			
Livestock	Stage	Disease	Precautionary Practices to be followed
Poultry	Chicks		<ul style="list-style-type: none">❖ Vaccination as per the schedule with proper consultation with vet. Day old chick: HVT Marek disease vaccine, 4-7 days: F/Lasota, 14-18 days: Intermediate plus/IBD vaccine, 35 days: F/Lasota, 6-7 weeks: Chicken embryo adopted fowl pox vaccine and 56-70 days: RD R-2B strain.
Fishery			<ul style="list-style-type: none">❖ To avoid water turbidity, use grass turfing or horticultural crop at embankment/dyke of the earthen fish pond.

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Dated: Tuesday, 25th June 2019



Gramin Krishi Mausam Sewa
 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 30 th June 2019
Rainfall: 40.2 mm (Tezu)	Mostly cloudy with possibility of moderate to very heavy rain. Daily maximum and minimum temperature for the following period is predicted to be 26.0-29.0°C and 23.0-25.0°C respectively. Expected morning and evening relative humidity will be 87-98% and 69-91% respectively. Wind direction is mainly NE & ENE average wind speed range of 3.9-5.3 kmph.
Warning	<ul style="list-style-type: none"> Moderate rain/thundershowers is very likely to occur at most places over Arunachal Pradesh.

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 (normal sown)	Nursery/ Transplantation	Blast	<ul style="list-style-type: none"> ❖ Rice Blast may occur in the nursery bed. Temperature above 30°C with humidity over 80 percent is highly favourable for the disease. Over use of nitrogen aggravates the disease. To manage the attacks apply Carbendazim+ Mancozeb @ 2.5 gm per liter of water into the seedbed. ❖ Field sanitation along with removal of hosts and infected debris from the field also would be helpful to manage the attack.
Rice (early sown)	Stem elongation/ panicle initiation	Leaf blast/ leaf spot/ leaf folder	<ul style="list-style-type: none"> ❖ Keep the periphery of field clean and weed-free to avoid disease/pest harboring. ❖ Regular monitoring of field to detect any possible attack of insects/ disease. ❖ In case of heavy infestation of Blast, spray Carbendazim @ 2 gram per litre of water or Endofil M45 @ 2.5 gram per litre of water in 3 spraying at 10 days interval
Jhum Rice	Stem elongation/ panicle initiation/ booting	leaf folder	<ul style="list-style-type: none"> ❖ Strengthen the bund to protect from heavy rain. Avoid water stagnation. ❖ Keep the periphery of the field clean and weed free.
Maize	Silking		<ul style="list-style-type: none"> ❖ Monitor the crop against attack of insect pests & avoid water stagnation
VEGETABLES			
Tomato/ chilli/ brinjal	Flowering/ Fruiting	Aphids / white fly	<ul style="list-style-type: none"> ❖ Provide proper support to the crop. ❖ Spraying of Mancozeb @ 2 gm per litre + cypermethrin @ 2 ml per litre of water for crop grown under protected environment,
French bean/ pulses	Vegetative/ fruiting		<ul style="list-style-type: none"> ❖ Proper drainage in the field ❖ Any type of caterpillar observed in the field may be manually collected and destroyed in the dusk hours in the crop field.
HORTICULTURAL CROPS			
Banana	Multiple stage		<ul style="list-style-type: none"> ❖ Earthing up followed by fertilizer application during clear/dry days followed by mulching with locally available grass/straw to protect from rain
Guava	Flowering/ fruiting		<ul style="list-style-type: none"> ❖ Dispose off dropped fruit properly by digging up, ❖ Water stagnation should be avoided, ❖ Smoking on a clear evening will repel the insect pests
❖ LIVESTOCK and POULTRY			
Livestock	Stage	Disease	Precautionary Practices to be followed
Pig	All stages	Piglet Diarrhoea	<ul style="list-style-type: none"> ❖ Causes by bacteria and sudden change in feed and temperature, managed by Furazolidone, streptomycin etc.
Cattle/goat/sheep	All stages		<ul style="list-style-type: none"> ❖ Animals should be grazed in pastures during the early hours of the morning, in the evening or at night. In addition, adequate amounts of water should also be provided to them.
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: LOWER DIBANG VALLEY

Weather summary of the previous week	Weather forecast valid up to 30 th June 2019
Rainfall (Roing): 99.2 mm	Mostly cloudy with possibility of moderate to very heavy rain. Daily maximum and minimum temperature for the following period is predicted to be 27.0-29.0°C and 24.0-25.0°C respectively. Expected morning and evening relative humidity will be 92-97% and 70-88% respectively. Wind direction is mainly E & ENE with average wind speed range of 3.8-4.6 kmph.
Warning:	<ul style="list-style-type: none">Moderate rain/thundershowers is very likely to occur at most places over Arunachal Pradesh.

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 (normal sown)	Nursery/ Transplantation	Blast	<ul style="list-style-type: none">❖ Rice Blast may occur in the nursery bed. Temperature above 30°C with humidity over 80 percent is highly favourable for the disease. Over use of nitrogen aggravates the disease. To manage the attacks apply Carbendazim+ Mancozeb @ 2.5 gm per liter of water into the seedbed.❖ Field sanitation along with removal of hosts and infected debris from the field also would be helpful to manage the attack.
Rice (early sown)	Stem elongation/ panicle initiation	Leaf blast/ leaf spot/ leaf folder	<ul style="list-style-type: none">❖ Keep the periphery of field clean and weed-free to avoid disease/pest harboring.❖ Regular monitoring of field to detect any possible attack of insects/ disease.❖ In case of heavy infestation of Blast, spray Carbendazim @ 2 gram per litre of water or Endofil M45 @ 2.5 gram per litre of water in 3 spraying at 10 days interval
Jhum Rice	Stem elongation/ panicle initiation/ booting	leaf folder	<ul style="list-style-type: none">❖ Strengthen the bund to protect from heavy rain. Avoid water stagnation.❖ Keep the periphery of the field clean and weed free.
Maize	Silking		<ul style="list-style-type: none">❖ Monitor the crop against attack of insect pests & avoid water stagnation
VEGETABLES			
Tomato/ chilli/ brinjal	Flowering/ Fruiting	Aphids / white fly	<ul style="list-style-type: none">❖ Provide proper support to the crop,❖ Spraying of Mancozeb @ 2 gm per litre + cypermethrin @ 2 ml per litre of water for crop grown under protected environment,
French bean/ pulses	Vegetative/ fruiting		<ul style="list-style-type: none">❖ Proper drainage in the field❖ Any type of caterpillar observed in the field may be manually collected and destroyed in the dusk hours in the crop field.
HORTICULTURAL CROPS			
Banana	Multiple stage		<ul style="list-style-type: none">❖ Earthing up followed by fertilizer application during clear/dry days followed by mulching with locally available grass/straw to protect from rain
Guava	Flowering/ fruiting		<ul style="list-style-type: none">❖ Dispose off dropped fruit properly by digging up,❖ Water stagnation should be avoided,❖ Smoking on a clear evening will repel the insect pests
❖ LIVESTOCK and POULTRY			
Livestock	Stage	Disease	Precautionary Practices to be followed
Pig	All stages	Piglet Diarrhoea	<ul style="list-style-type: none">❖ Causes by bacteria and sudden change in feed and temperature, managed by Furazolidone, streptomycin etc.
Cattle/goat/sheep	All stages		<ul style="list-style-type: none">❖ Animals should be grazed in pastures during the early hours of the morning, in the evening or at night. In addition, adequate amounts of water should also be provided to them.
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



(Period: 26th to 30th June 2019)

No: AMFU-Basar/2019/50

Dated: Tuesday, 25th June 2019



Gramin Krishi Mausam Sewa
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 30 th June 2019
Ziro: 7.2 mm	Mostly cloudy with possibility of moderate to very heavy rain. Daily maximum and minimum temperature for the following period is predicted to be 28.0-29.0°C and 23.0-25.0°C respectively. Expected morning and evening relative humidity will be 95-99% and 67-97% respectively. Wind direction is mainly W & NW with average wind speed range of 3.0-4.3 kmph.
Warning:	<ul style="list-style-type: none">Heavy to very heavy rain is very likely to occur at isolated places over Arunachal Pradesh

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	Transplantation/ Tillering/ Stem elongagtion	Yellow stem borer/ Leaf Blast	<ul style="list-style-type: none">❖ Transplanting of healthy seedling @ 2 seedlings per hill❖ Before transplanting, remove the upper tip portions of the seedlings to destroy the eggs of YSB❖ Spraying of crop with Carbandazim 50 WP @ 1 grams per litre of water both in nursery and in main crop is advised,
Jhum rice	Tillering/Stem elongagtion	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. Avoid water stagnation.❖ Keep the surrounding clean/ weed-free to avoid disease/pest harboring
Kharif Maize	Sowing		<ul style="list-style-type: none">❖ Collect seed of variety DA-61A, Vivek Hybrid-21, Vivek QPM-9 etc from certified agency❖ Ensure seed treatment with carbendazim/Thiram @2g/kg seeds.❖ Sowing only during clear/dry weather
VEGETABLES			
Chilli/ tomato/ brinjal	Vegetative/ Flowering	Leaf Curl	<ul style="list-style-type: none">❖ Spray imidacloprid 17.8 SL (0.003%) to the crops inside net/green house or grown in shade
French Bean, black gram, green gram	Fruiting	Bean borer	<ul style="list-style-type: none">❖ Any type of caterpillar observed in the field may be manually collected and destroyed in the dusk hours in the crop field.
HORTICULTURAL CROPS			
Citrus	Flowering/fruiti ng	Trunk borer	<ul style="list-style-type: none">❖ Install light trap to collect trunk borer adults or hand pick the adults during May-June by shaking the trees to dislodge the adults feeding on leaves & twigs,
Ginger/turmeric	Vegetative stage	Rhizome rot	<ul style="list-style-type: none">❖ The plot should be well drained free from water logging to prevent rhizome rot. The field must be inspected regularly for disease appearance and more often when it rains.
Kiwi	Flowering	Leaf eating beetle	<ul style="list-style-type: none">❖ Hand collection of the insects and its destruction,❖ Make proper drainage facility in the crop area
LIVESTOCKS			
Livestock	Stage	Disease	Precautionary Practices to be followed
Pigs	All stages		<ul style="list-style-type: none">❖ Avoid dampness and cover weak and sick animals with sack cloth.
Poultry	Chicks		<ul style="list-style-type: none">❖ Vaccination as per the schedule with proper consultation with vet. Day old chick: HVT Marek disease vaccine, 4-7 days: F/Lasota, 14-18 days: Intermediate plus/IBD vaccine, 35 days: F/Lasota, 6-7 weeks: Chicken embryo adopted fowl pox vaccine and 56-70 days: RD R-2B strain.
Fishery			<ul style="list-style-type: none">❖ To avoid water turbidity, use grass turfing or horticultural crop at embankment/dyke of the earthen fish pond.

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Gramin Krishi Mausam Sewa
 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 30 th June 2019
Rainfall: 59.7 mm; T. Max: 35.0°C; T. Min: 25.0°C ; RH: 76-95%	Mostly cloudy with possibility of moderate to very heavy rain. Daily maximum and minimum temperature for the following period is predicted to be 28.0-30.0°C and 25.0-27.0°C respectively. Expected morning and evening relative humidity will be 92-99% and 69-97% respectively. Wind direction is mainly E & ESE with average wind speed range of 3.5-5.1 kmph.
Warning:	<ul style="list-style-type: none"> Moderate rain/thundershowers is very likely to occur at most places over Arunachal Pradesh.

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 (normal sown)	Nursery/ Transplantation	Blast	<ul style="list-style-type: none"> ❖ Rice Blast may occur in the nursery bed. Temperature above 30°C with humidity over 80 percent is highly favourable for the disease. Over use of nitrogen aggravates the disease. To manage the attacks apply Carbendazim+ Mancozeb @ 2.5 gm per liter of water into the seedbed. ❖ Field sanitation along with removal of hosts and infected debris from the field also would be helpful to manage the attack.
Rice (early sown)	Stem elongation/ panicle initiation	Leaf blast/ leaf spot/ leaf folder	<ul style="list-style-type: none"> ❖ Keep the periphery of field clean and weed-free to avoid disease/pest harboring. ❖ Regular monitoring of field to detect any possible attack of insects/ disease. ❖ In case of heavy infestation of Blast, spray Carbendazim @ 2 gram per litre of water or Endofil M45 @ 2.5 gram per litre of water in 3 spraying at 10 days interval
Jhum Rice	Stem elongation/ panicle initiation/ booting	leaf folder	<ul style="list-style-type: none"> ❖ Strengthen the bund to protect from heavy rain. Avoid water stagnation. ❖ Keep the periphery of the field clean and weed free.
Maize	Silking		<ul style="list-style-type: none"> ❖ Monitor the crop against attack of insect pests & avoid water stagnation
VEGETABLES			
Tomato/ chilli/ brinjal	Flowering/ Fruiting	Aphids / white fly	<ul style="list-style-type: none"> ❖ <u>Provide proper support to the crop.</u> ❖ Spraying of Mancozeb @ 2 gm per litre + cypermethrin @ 2 ml per litre of water for crop grown under protected environment,
French bean/ pulses	Vegetative/ fruiting		<ul style="list-style-type: none"> ❖ Proper drainage in the field ❖ Any type of caterpillar observed in the field may be manually collected and destroyed in the dusk hours in the crop field.
HORTICULTURAL CROPS			
Banana	Multiple stage		<ul style="list-style-type: none"> ❖ Earthing up followed by fertilizer application during clear/dry days followed by mulching with locally available grass/straw to protect from rain
Guava	Flowering/ fruiting		<ul style="list-style-type: none"> ❖ Dispose off dropped fruit properly by digging up, ❖ Water stagnation should be avoided, ❖ Smoking on a clear evening will repel the insect pests
❖ LIVESTOCK and POULTRY			
Livestock	Stage	Disease	Precautionary Practices to be followed
Pig	All stages	Piglet Diarrhoea	<ul style="list-style-type: none"> ❖ Causes by bacteria and sudden change in feed and temperature, managed by Furazolidone, streptomycin etc.
Cattle/goat/sheep	All stages		<ul style="list-style-type: none"> ❖ Animals should be grazed in pastures during the early hours of the morning, in the evening or at night. In addition, adequate amounts of water should also be provided to them.
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ICAR Research Complex for NEH Region, Arunachal Pradesh Centre, Basar-791101

ADVISORY FOR DISTRICT: TAWANG

Weather summery of the previous week	Weather forecast valid up to 30 th June 2019
Rainfall: 6.6 mm	Mostly/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 9.0-10.0°C respectively. Expected morning and evening relative humidity will be 91-95% and 57-77% respectively. Wind direction is mainly ENE & E with average wind speed range of 5.3-7.0 kmph.
Warning:	<ul style="list-style-type: none">Heavy to very heavy rain is very likely to occur at isolated places over Arunachal Pradesh

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	Transplantation/ Tillering/ Stem elongagtion	Yellow stem borer/ Leaf Blast	<ul style="list-style-type: none">❖ <i>Transplanting of healthy seedling @ 2 seedlings per hill</i>❖ Before transplanting, remove the upper tip portions of the seedlings to destroy the eggs of YSB❖ Spraying of crop with Carbandazim 50 WP @ 1 grams per litre of water both in nursery and in main crop is advised,
Jhum rice	Tillering/Stem elongagtion	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. Avoid water stagnation.❖ Keep the surrounding clean/ weed-free to avoid disease/pest harboring
Kharif Maize	Sowing		<ul style="list-style-type: none">❖ Collect seed of variety DA-61A, Vivek Hybrid-21, Vivek QPM-9 etc from certified agency❖ Ensure seed treatment with carbendazim/Thiram @2g/kg seeds.❖ Sowing only during clear/dry weather
VEGETABLES			
Chilli/ tomato/ brinjal	Vegetative/ Flowering	Leaf Curl	<ul style="list-style-type: none">❖ Spray imidacloprid 17.8 SL (0.003%) to the crops inside net/green house or grown in shade
French Bean, black gram, green gram	Fruiting	Bean borer	<ul style="list-style-type: none">❖ Any type of caterpillar observed in the field may be manually collected and destroyed in the dusk hours in the crop field.
HORTICULTURAL CROPS			
Citrus	Flowering/fruiti ng	Trunk borer	<ul style="list-style-type: none">❖ Install light trap to collect trunk borer adults or hand pick the adults during May-June by shaking the trees to dislodge the adults feeding on leaves & twigs,
Ginger/turmeric	Vegetative stage	Rhizome rot	<ul style="list-style-type: none">❖ The plot should be well drained free from water logging to prevent rhizome rot. The field must be inspected regularly for disease appearance and more often when it rains.
Kiwi	Flowering	Leaf eating beetle	<ul style="list-style-type: none">❖ Hand collection of the insects and its destruction,❖ Make proper drainage facility in the crop area
LIVESTOCKS			
Livestock	Stage	Disease	Precautionary Practices to be followed
Poultry	Chicks		<ul style="list-style-type: none">❖ Vaccination as per the schedule with proper consultation with vet. Day old chick: HVT Marek disease vaccine, 4-7 days: F/Lasota, 14-18 days: Intermediate plus/IBD vaccine, 35 days: F/Lasota, 6-7 weeks: Chicken embryo adopted fowl pox vaccine and 56-70 days: RD R-2B strain.
Fishery			<ul style="list-style-type: none">❖ To avoid water turbidity, use grass turfing or horticultural crop at embankment/dyke of the earthen fish pond.
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