



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



(Period: 29<sup>th</sup> June to 3<sup>rd</sup> July 2019)

**No: AMFU-Basar/2019/51**

**Dated: Friday, 28<sup>th</sup> 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 3 <sup>rd</sup> July 2019
Daporijo: 18.6 mm	Mostly cloudy with possibility of moderate rain. Daily maximum and minimum temperature for the following period is predicted to be 27.0-29.0°C and 23.0-24.0°C respectively. Expected morning and evening relative humidity will be 88-95% and 60-75% respectively. Wind direction is mainly WSW with average wind speed range of 4.1 -5.1 kmph.
<b>Warning:</b>	• <b>NIL</b>

**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
<b>FIELD CROPS</b>			
Rice (normal sown)	Nursery/Transplantation	Blast	<ul style="list-style-type: none"> <li>❖ 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.</li> <li>❖ Field sanitation along with removal of hosts and infected debris from the field also would be helpful to manage the attack.</li> </ul>
Rice (early sown)	Stem elongation/panicle initiation	Leaf blast/ leaf spot/ leaf folder	<ul style="list-style-type: none"> <li>❖ Keep the periphery of field clean and weed-free to avoid disease/pest harboring.</li> <li>❖ Regular monitoring of field to detect any possible attack of insects/ disease.</li> <li>❖ 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</li> </ul>
Jhum Rice	Stem elongation/panicle initiation/booting	leaf folder	<ul style="list-style-type: none"> <li>❖ Strengthen the bund to protect from heavy rain. Avoid water stagnation.</li> <li>❖ Keep the periphery of the field clean and weed free.</li> </ul>
Maize	Silking		<ul style="list-style-type: none"> <li>❖ Monitor the crop against attack of insect pests &amp; avoid water stagnation</li> </ul>

**VEGETABLES**

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

**HORTICULTURAL CROPS**

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

❖ **LIVESTOCK and POULTRY**

Livestock	Stage	Disease	Precautionary Practices to be followed
Pig	All stages	Piglet Diarrhoea	<ul style="list-style-type: none"> <li>❖ Causes by bacteria and sudden change in feed and temperature, managed by Furazolidone, streptomycin etc.</li> </ul>
Cattle/goat/sheep	All stages		<ul style="list-style-type: none"> <li>❖ 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.</li> </ul>

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



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**Arunachal Pradesh**



(Period: 29<sup>th</sup> June to 3<sup>rd</sup> July 2019)

**No: AMFU-Basar/2019/51**

**Dated: Friday, 28<sup>th</sup> June 2019**



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

**ADVISORY FOR DISTRICT: WEST KAMENG**

Weather summery of the previous week	Weather forecast valid up to 3 <sup>rd</sup> July 2019
Rainfall = Bomdila: 3.0 mm ; Bhalukpong: 113.0 mm; Kalaktang: 29.3 mm	<b>Mostly cloudy with possibility of moderate to rather heavy rain.</b> Daily maximum and minimum temperature for the following period is predicted to be 32.0-37.0°C and 26.0-28.0°C respectively. Expected morning and evening relative humidity will be 81-97% and 55-80% respectively. Wind direction is mainly WSW wind speed range of 4.7-6.9 kmph.
<b>WARNING:</b>	<b>NIL</b>

GENERAL RECOMMENDATIONS			
<ul style="list-style-type: none"><li>• Monitor for possible attack of insects/pests</li><li>• Application of fertilizers/manure can be done during clear/dry days</li><li>• Proper drainage to all crop to avoid runoff</li><li>• Check of vaccination schedule in poultry/livestock</li></ul>			
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"><li>❖ <i>Transplanting of healthy seedling @ 2 seedlings per hill</i></li><li>❖ Before transplanting, remove the upper tip portions of the seedlings to destroy the eggs of YSB</li><li>❖ Spraying of crop with Carbandazim 50 WP @ 1 grams per litre of water both in nursery and in main crop is advised,</li></ul>
Jhum rice	Tillering/Stem elongagtion	Leaf blast/ leaf spot	<ul style="list-style-type: none"><li>❖ On clear/dry days, spray carbendazim @ 2gm/lit water in jhum field against leaf blast &amp; leaf spot.</li><li>❖ <b>Strengthen the bund to protect from heavy rain. Avoid water stagnation.</b></li><li>❖ <b>Keep the surrounding clean/ weed-free to avoid disease/pest harboring</b></li></ul>
Kharif Maize	Sowing		<ul style="list-style-type: none"><li>❖ <b>Collect seed of variety DA-61A, Vivek Hybrid-21, Vivek QPM-9 etc from certified agency</b></li><li>❖ Ensure seed treatment with carbendazim/Thiram @2g/kg seeds.</li><li>❖ Sowing only during clear/dry weather</li></ul>
VEGETABLES			
Chilli/ tomato/ brinjal	Vegetative/ Flowering	Leaf Curl	<ul style="list-style-type: none"><li>❖ <b>Spray imidacloprid 17.8 SL (0.003%) to the crops inside net/green house or grown in shade</b></li></ul>
French Bean, black gram, green gram	Fruiting	Bean borer	<ul style="list-style-type: none"><li>❖ Any type of caterpillar observed in the field may be manually collected and destroyed in the dusk hours in the crop field.</li></ul>
HORTICULTURAL CROPS			
Citrus	Flowering/fruiti ng	Trunk borer	<ul style="list-style-type: none"><li>❖ 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 &amp; twigs,</li></ul>
Ginger/turmeric	Vegetative stage	Rhizome rot	<ul style="list-style-type: none"><li>❖ <b>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.</b></li></ul>
Kiwi	Flowering	Leaf eating beetle	<ul style="list-style-type: none"><li>❖ Hand collection of the insects and its destruction,</li><li>❖ Make proper drainage facility in the crop area</li></ul>
LIVESTOCKS			
Livestock	Stage	Disease	Precautionary Practices to be followed
Poultry	Chicks		<ul style="list-style-type: none"><li>❖ 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.</li></ul>
Fishery			<ul style="list-style-type: none"><li>❖ To avoid water turbidity, use grass turfing or horticultural crop at embankment/dyke of the earthen fish pond.</li></ul>
Contact Scientists (ICAR) or State Agril Staff or KVK staff for measures against adverse conditions or call at 03795-226237/226247			



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

**ADVISORY FOR DISTRICT: WEST SIANG**

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

Weather summery of the previous week	Weather forecast valid up to 3 <sup>rd</sup> July 2019
<b>BASAR Rainfall: 66.6 mm, Max. T: 27.5°C, Min. T: 21.4°C, Wind Speed: 4-5 km/h, RH: 55-98%, Wind Direction: WSW &amp; SSW</b>	<b>Mostly cloudy with possibility of moderate rain.</b> Daily maximum and minimum temperature for the following period is predicted to be 26.0-27.0°C and 23.0°C respectively. Expected morning and evening relative humidity will be 88-97% and 60-77% respectively. Wind direction is mainly variable with average wind speed of 3.6-4.9 kmph.
<b>Warning:</b>	<b>NIL</b>

**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
<b>FIELD CROPS</b>			
Rice (normal sown)	Nursery/ Transplantation	Blast	<ul style="list-style-type: none"><li>❖ <b>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.</b></li><li>❖ Field sanitation along with removal of hosts and infected debris from the field also would be helpful to manage the attack.</li></ul>
Rice (early sown)	Stem elongation/ panicle initiation	Leaf blast/ leaf spot/ leaf folder	<ul style="list-style-type: none"><li>❖ <b>Keep the periphery of field clean and weed-free to avoid disease/pest harboring.</b></li><li>❖ Regular monitoring of field to detect any possible attack of insects/ disease.</li><li>❖ <b>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</b></li></ul>
Jhum Rice	Stem elongation/ panicle initiation/ booting	leaf folder	<ul style="list-style-type: none"><li>❖ <b>Strengthen the bund to protect from heavy rain. Avoid water stagnation.</b></li><li>❖ Keep the periphery of the field clean and weed free.</li></ul>
Maize	Silking		<ul style="list-style-type: none"><li>❖ Monitor the crop against attack of insect pests &amp; avoid water stagnation</li></ul>

**VEGETABLES**

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

**HORTICULTURAL CROPS**

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

**❖ LIVESTOCK and POULTRY**

Livestock	Stage	Disease	Precautionary Practices to be followed
Pig	All stages	Piglet Diarrhoea	<ul style="list-style-type: none"><li>❖ Causes by bacteria and sudden change in feed and temperature, managed by Furazolidone, streptomycin etc.</li></ul>
Cattle/goat/sheep	All stages		<ul style="list-style-type: none"><li>❖ 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.</li></ul>

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Gramin Krishi Mausam Sewa  
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 3 <sup>rd</sup> July 2019
No weather summary available	<b>Mostly cloudy with possibility of rather heavy to very heavy rain.</b> 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 89-95% and 66-79% respectively. Wind direction is mainly E & ENE with average wind speed range of 4.0-5.7 kmph.
<b>Warning:</b>	❖ <b>NIL</b>

**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
<b>FIELD CROPS</b>			
Rice	Transplantation/ Tillering/ Stem elongagtion	Yellow stem borer/ Leaf Blast	<ul style="list-style-type: none"><li>❖ <i>Transplanting of healthy seedling @ 2 seedlings per hill</i></li><li>❖ Before transplanting, remove the upper tip portions of the seedlings to destroy the eggs of YSB</li><li>❖ Spraying of crop with Carbandazim 50 WP @ 1 grams per litre of water both in nursery and in main crop is advised,</li></ul>
Jhum rice	Tillering/Stem elongagtion	Leaf blast/ leaf spot	<ul style="list-style-type: none"><li>❖ On clear/dry days, spray carbendazim @ 2gm/lit water in jhum field against leaf blast &amp; leaf spot.</li><li>❖ <b>Strengthen the bund to protect from heavy rain. Avoid water stagnation.</b></li><li>❖ <b>Keep the surrounding clean/ weed-free to avoid disease/pest harboring</b></li></ul>
Kharif Maize	Sowing		<ul style="list-style-type: none"><li>❖ <b>Collect seed of variety DA-61A, Vivek Hybrid-21, Vivek QPM-9 etc from certified agency</b></li><li>❖ Ensure seed treatment with carbendazim/Thiram @2g/kg seeds.</li><li>❖ Sowing only during clear/dry weather</li></ul>
<b>VEGETABLES</b>			
Chilli/ tomato/ brinjal	Vegetative/ Flowering	Leaf Curl	❖ <b>Spray imidacloprid 17.8 SL (0.003%) to the crops inside net/green house or grown in shade</b>
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.
<b>HORTICULTURAL CROPS</b>			
Citrus	Flowering/fruiti ng	Trunk borer	❖ 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	❖ <b>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.</b>
Kiwi	Flowering	Leaf eating beetle	<ul style="list-style-type: none"><li>❖ Hand collection of the insects and its destruction,</li><li>❖ Make proper drainage facility in the crop area</li></ul>
<b>LIVESTOCKS</b>			
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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Gramin Krishi Mausam Sewa  
 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 3 <sup>rd</sup> July 2019
Rainfall = Changlang: 68.6 mm Miao: 37.8 mm	<b>Mostly cloudy with possibility of moderate to heavy rain.</b> Daily maximum and minimum temperature for the following period is predicted to be 29.0-30.0°C and 24.0-25.0°C respectively. Expected morning and evening relative humidity will be 93-96% and 60-87% respectively. Wind direction is mainly SE with average wind speed range of 2.9-4.8 kmph.

**Warning:**

• **NIL**

**GENERAL RECOMMENDATIONS**

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

**DETAILS OF ADVISORIES FOR THE PERIOD**

Crop	Stage	Pest/Disease	Precautionary Practices to be followed
<b>FIELD CROPS</b>			
Rice (normal sown)	Nursery/ Transplantation	Blast	<ul style="list-style-type: none"> <li>❖ 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.</li> <li>❖ Field sanitation along with removal of hosts and infected debris from the field also would be helpful to manage the attack.</li> </ul>
Rice (early sown)	Stem elongation/ panicle initiation	Leaf blast/ leaf spot/ leaf folder	<ul style="list-style-type: none"> <li>❖ Keep the periphery of field clean and weed-free to avoid disease/pest harboring.</li> <li>❖ Regular monitoring of field to detect any possible attack of insects/ disease.</li> <li>❖ 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</li> </ul>
Jhum Rice	Stem elongation/ panicle initiation/ booting	leaf folder	<ul style="list-style-type: none"> <li>❖ Strengthen the bund to protect from heavy rain. Avoid water stagnation.</li> <li>❖ Keep the periphery of the field clean and weed free.</li> </ul>
<b>VEGETABLES</b>			
Tomato/ chilli/ brinjal	Flowering/ Fruiting	Aphids / white fly	<ul style="list-style-type: none"> <li>❖ <u>Provide proper support to the crop.</u></li> <li>❖ Spraying of Mancozeb @ 2 gm per litre + cypermethrin @ 2 ml per litre of water for crop grown under protected environment,</li> </ul>
French bean/ pulses	Vegetative/ fruiting		<ul style="list-style-type: none"> <li>❖ Proper drainage in the field</li> <li>❖ Any type of caterpillar observed in the field may be manually collected and destroyed in the dusk hours in the crop field.</li> </ul>
<b>HORTICULTURAL CROPS</b>			
Banana	Multiple stage		<ul style="list-style-type: none"> <li>❖ Earthing up followed by fertilizer application during clear/dry days followed by mulching with locally available grass/straw to protect from rain</li> </ul>
Guava	Flowering/ fruiting		<ul style="list-style-type: none"> <li>❖ Dispose off dropped fruit properly by digging up,</li> <li>❖ Water stagnation should be avoided,</li> <li>❖ Smoking on a clear evening will repel the insect pests</li> </ul>
❖ <b>LIVESTOCK and POULTRY</b>			
Livestock	Stage	Disease	Precautionary Practices to be followed
Pig	All stages	Piglet Diarrhoea	<ul style="list-style-type: none"> <li>❖ Causes by bacteria and sudden change in feed and temperature, managed by Furazolidone, streptomycin etc.</li> </ul>
Cattle/goat/sheep	All stages		<ul style="list-style-type: none"> <li>❖ 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.</li> </ul>
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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 3 <sup>rd</sup> July 2019
Rainfall = NA	Mostly cloudy with possibility of moderate to rather heavy rain. Daily maximum and minimum temperature for the following period is predicted to be 26.0-27.0°C and 23.0°C respectively. Expected morning and evening relative humidity will be 93-96% and 65-80% respectively. Wind direction is mainly ENE & E with average wind speed range of 4.9-6.0 kmph.
<b>Warning:</b>	<ul style="list-style-type: none"><li><b>NIL</b></li></ul>

GENERAL RECOMMENDATIONS			
<ul style="list-style-type: none"><li>Monitor for possible attack of insects/pests</li><li>Application of fertilizers/manure can be done during clear/dry days</li><li>Proper drainage to all crop to avoid runoff</li><li>Check of vaccination schedule in poultry/livestock</li></ul>			
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"><li>❖ <i>Transplanting of healthy seedling @ 2 seedlings per hill</i></li><li>❖ Before transplanting, remove the upper tip portions of the seedlings to destroy the eggs of YSB</li><li>❖ Spraying of crop with Carbandazim 50 WP @ 1 grams per litre of water both in nursery and in main crop is advised,</li></ul>
Jhum rice	Tillering/Stem elongagtion	Leaf blast/ leaf spot	<ul style="list-style-type: none"><li>❖ On clear/dry days, spray carbendazim @ 2gm/lit water in jhum field against leaf blast &amp; leaf spot.</li><li>❖ <b>Strengthen the bund to protect from heavy rain. Avoid water stagnation.</b></li><li>❖ <b>Keep the surrounding clean/ weed-free to avoid disease/pest harboring</b></li></ul>
Kharif Maize	Sowing		<ul style="list-style-type: none"><li>❖ <b>Collect seed of variety DA-61A, Vivek Hybrid-21, Vivek QPM-9 etc from certified agency</b></li><li>❖ Ensure seed treatment with carbendazim/Thiram @2g/kg seeds.</li><li>❖ Sowing only during clear/dry weather</li></ul>
VEGETABLES			
Chilli/ tomato/ brinjal	Vegetative/ Flowering	Leaf Curl	<ul style="list-style-type: none"><li>❖ <b>Spray imidacloprid 17.8 SL (0.003%) to the crops inside net/green house or grown in shade</b></li></ul>
French Bean, black gram, green gram	Fruiting	Bean borer	<ul style="list-style-type: none"><li>❖ Any type of caterpillar observed in the field may be manually collected and destroyed in the dusk hours in the crop field.</li></ul>
HORTICULTURAL CROPS			
Citrus	Flowering/fruiti ng	Trunk borer	<ul style="list-style-type: none"><li>❖ 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 &amp; twigs,</li></ul>
Ginger/turmeric	Vegetative stage	Rhizome rot	<ul style="list-style-type: none"><li>❖ <b>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.</b></li></ul>
Kiwi	Flowering	Leaf eating beetle	<ul style="list-style-type: none"><li>❖ Hand collection of the insects and its destruction,</li><li>❖ Make proper drainage facility in the crop area</li></ul>
LIVESTOCKS			
Livestock	Stage	Disease	Precautionary Practices to be followed
Poultry	Chicks		<ul style="list-style-type: none"><li>❖ 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.</li></ul>
Fishery			<ul style="list-style-type: none"><li>❖ To avoid water turbidity, use grass turfing or horticultural crop at embankment/dyke of the earthen fish pond.</li></ul>
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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(Period: 29<sup>th</sup> June to 3<sup>rd</sup> July 2019)

**No: AMFU-Basar/2019/51**

**Dated: Friday, 28<sup>th</sup> 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 3 <sup>rd</sup> July 2019
Rainfall = 93.2 mm	Mostly cloudy with possibility of rather heavy to heavy rain. Daily maximum and minimum temperature for the following period is predicted to be 25-27°C and 21.0-22.0°C respectively. Expected morning and evening relative humidity will be 86-97% and 54-77% respectively. Wind direction is mainly variable with average wind speed range of 4.3-6.1 kmph.
<b>Warning:</b>	<ul style="list-style-type: none"><li><b>NIL</b></li></ul>

**GENERAL RECOMMENDATIONS<sup>6</sup>**

- 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
<b>FIELD CROPS</b>			
Rice (normal sown)	Nursery/ Transplantation	Blast	<ul style="list-style-type: none"><li>❖ 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.</li><li>❖ Field sanitation along with removal of hosts and infected debris from the field also would be helpful to manage the attack.</li></ul>
Rice (early sown)	Stem elongation/ panicle initiation	Leaf blast/ leaf spot/ leaf folder	<ul style="list-style-type: none"><li>❖ Keep the periphery of field clean and weed-free to avoid disease/pest harboring.</li><li>❖ Regular monitoring of field to detect any possible attack of insects/ disease.</li><li>❖ 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</li></ul>
Jhum Rice	Stem elongation/ panicle initiation/ booting	leaf folder	<ul style="list-style-type: none"><li>❖ Strengthen the bund to protect from heavy rain. Avoid water stagnation.</li><li>❖ Keep the periphery of the field clean and weed free.</li></ul>
Maize	Silking		<ul style="list-style-type: none"><li>❖ Monitor the crop against attack of insect pests &amp; avoid water stagnation</li></ul>
<b>VEGETABLES</b>			
Tomato/ chilli/ brinjal	Flowering/ Fruiting	Aphids / white fly	<ul style="list-style-type: none"><li>❖ <u>Provide proper support to the crop,</u></li><li>❖ Spraying of Mancozeb @ 2 gm per litre + cypermethrin @ 2 ml per litre of water for crop grown under protected environment,</li></ul>
French bean/ pulses	Vegetative/ fruiting		<ul style="list-style-type: none"><li>❖ Proper drainage in the field</li><li>❖ Any type of caterpillar observed in the field may be manually collected and destroyed in the dusk hours in the crop field.</li></ul>
<b>HORTICULTURAL CROPS</b>			
Banana	Multiple stage		<ul style="list-style-type: none"><li>❖ Earthing up followed by fertilizer application during clear/dry days followed by mulching with locally available grass/straw to protect from rain</li></ul>
Guava	Flowering/ fruiting		<ul style="list-style-type: none"><li>❖ Dispose off dropped fruit properly by digging up,</li><li>❖ Water stagnation should be avoided,</li><li>❖ Smoking on a clear evening will repel the insect pests</li></ul>
<b>❖ LIVESTOCK and POULTRY</b>			
Livestock	Stage	Disease	Precautionary Practices to be followed
Pig	All stages	Piglet Diarrhoea	<ul style="list-style-type: none"><li>❖ Causes by bacteria and sudden change in feed and temperature, managed by Furazolidone, streptomycin etc.</li></ul>
Cattle/goat/sheep	All stages		<ul style="list-style-type: none"><li>❖ 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.</li></ul>
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/2019/51**

**Dated: Friday, 28<sup>th</sup> June 2019**



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

**ADVISORY FOR DISTRICT: EAST SIANG**

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

Weather summery of the previous week	Weather forecast valid up to 3 <sup>rd</sup> July 2019
Rainfall: 186.2 mm; T. Max: 26.0°C; T. Min: 24.0°C ; RH: 98-100%	<b>Mostly cloudy with possibility of moderate rain.</b> Daily maximum and minimum temperature for the following period is predicted to be 26.0-27.0°C and 23.0°C respectively. Expected morning and evening relative humidity will be 87-96% and 52-83% respectively. Wind direction is mainly variable with average wind speed of 3.6-5.3 kmph.
<b>Warning:</b>	<ul style="list-style-type: none"><li><b>NIL</b></li></ul>

**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
<b>FIELD CROPS</b>			
Rice (normal sown)	Nursery/ Transplantation	Blast	<ul style="list-style-type: none"><li>❖ <b>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.</b></li><li>❖ Field sanitation along with removal of hosts and infected debris from the field also would be helpful to manage the attack.</li></ul>
Rice (early sown)	Stem elongation/ panicle initiation	Leaf blast/ leaf spot/ leaf folder	<ul style="list-style-type: none"><li>❖ <b>Keep the periphery of field clean and weed-free to avoid disease/pest harboring.</b></li><li>❖ Regular monitoring of field to detect any possible attack of insects/ disease.</li><li>❖ <b>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</b></li></ul>
Jhum Rice	Stem elongation/ panicle initiation/ booting	leaf folder	<ul style="list-style-type: none"><li>❖ <b>Strengthen the bund to protect from heavy rain. Avoid water stagnation.</b></li><li>❖ Keep the periphery of the field clean and weed free.</li></ul>
Maize	Silking		<ul style="list-style-type: none"><li>❖ Monitor the crop against attack of insect pests &amp; avoid water stagnation</li></ul>
<b>VEGETABLES</b>			
Tomato/ chilli/ brinjal	Flowering/ Fruiting	Aphids / white fly	<ul style="list-style-type: none"><li>❖ <b><u>Provide proper support to the crop,</u></b></li><li>❖ Spraying of Mancozeb @ 2 gm per litre + cypermethrin @ 2 ml per litre of water for crop grown under protected environment,</li></ul>
French bean/ pulses	Vegetative/ fruiting		<ul style="list-style-type: none"><li>❖ Proper drainage in the field</li><li>❖ Any type of caterpillar observed in the field may be manually collected and destroyed in the dusk hours in the crop field.</li></ul>
<b>HORTICULTURAL CROPS</b>			
Banana	Multiple stage		<ul style="list-style-type: none"><li>❖ <b>Earthing up followed by fertilizer application during clear/dry days followed by mulching with locally available grass/straw to protect from rain</b></li></ul>
Guava	Flowering/ fruiting		<ul style="list-style-type: none"><li>❖ Dispose off dropped fruit properly by digging up,</li><li>❖ Water stagnation should be avoided,</li><li>❖ Smoking on a clear evening will repel the insect pests</li></ul>
<b>❖ LIVESTOCK and POULTRY</b>			
Livestock	Stage	Disease	Precautionary Practices to be followed
Pig	All stages	Piglet Diarrhoea	<ul style="list-style-type: none"><li>❖ Causes by bacteria and sudden change in feed and temperature, managed by Furazolidone, streptomycin etc.</li></ul>
Cattle/goat/sheep	All stages		<ul style="list-style-type: none"><li>❖ 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.</li></ul>
<b>Contact Scientists (ICAR) or State Agril Staff or KVK staff for measures against adverse conditions or call at 03795-226237/226247</b>			





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**Dated: Friday, 28<sup>th</sup> 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 summary of the previous week	Weather forecast valid up to 3 <sup>rd</sup> July 2019
Rainfall (Koloriang): 15.9 mm	<b>Mostly cloudy with possibility of moderate to rather heavy rain.</b> Daily maximum and minimum temperature for the following period is predicted to be 22-23.0°C and 16-17.0°C respectively. Expected morning and evening relative humidity will be 89-96% and 61-76% respectively. Wind direction is mainly SSW with average wind speed range of 4.8-6.0 kmph.
<b>Warning:</b>	<ul style="list-style-type: none"><li><b>NIL</b></li></ul>

**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
<b>FIELD CROPS</b>			
Rice	Transplantation/ Tillering/ Stem elongagtion	Yellow stem borer/ Leaf Blast	<ul style="list-style-type: none"><li>❖ <i>Transplanting of healthy seedling @ 2 seedlings per hill</i></li><li>❖ Before transplanting, remove the upper tip portions of the seedlings to destroy the eggs of YSB</li><li>❖ Spraying of crop with Carbandazim 50 WP @ 1 grams per litre of water both in nursery and in main crop is advised,</li></ul>
Jhum rice	Tillering/Stem elongagtion	Leaf blast/ leaf spot	<ul style="list-style-type: none"><li>❖ On clear/dry days, spray carbendazim @ 2gm/lit water in jhum field against leaf blast &amp; leaf spot.</li><li>❖ <b>Strengthen the bund to protect from heavy rain. Avoid water stagnation.</b></li><li>❖ <b>Keep the surrounding clean/ weed-free to avoid disease/pest harboring</b></li></ul>
Kharif Maize	Sowing		<ul style="list-style-type: none"><li>❖ <b>Collect seed of variety DA-61A, Vivek Hybrid-21, Vivek QPM-9 etc from certified agency</b></li><li>❖ Ensure seed treatment with carbendazim/Thiram @2g/kg seeds.</li><li>❖ Sowing only during clear/dry weather</li></ul>
<b>VEGETABLES</b>			
Chilli/ tomato/ brinjal	Vegetative/ Flowering	Leaf Curl	<ul style="list-style-type: none"><li>❖ <b>Spray imidacloprid 17.8 SL (0.003%) to the crops inside net/green house or grown in shade</b></li></ul>
French Bean, black gram, green gram	Fruiting	Bean borer	<ul style="list-style-type: none"><li>❖ Any type of caterpillar observed in the field may be manually collected and destroyed in the dusk hours in the crop field.</li></ul>
<b>HORTICULTURAL CROPS</b>			
Citrus	Flowering/fruiti ng	Trunk borer	<ul style="list-style-type: none"><li>❖ 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 &amp; twigs,</li></ul>
Ginger/turmeric	Vegetative stage	Rhizome rot	<ul style="list-style-type: none"><li>❖ <b>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.</b></li></ul>
Kiwi	Flowering	Leaf eating beetle	<ul style="list-style-type: none"><li>❖ Hand collection of the insects and its destruction,</li><li>❖ Make proper drainage facility in the crop area</li></ul>
<b>LIVESTOCKS</b>			
Livestock	Stage	Disease	Precautionary Practices to be followed
Poultry	Chicks		<ul style="list-style-type: none"><li>❖ 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.</li></ul>
Fishery			<ul style="list-style-type: none"><li>❖ To avoid water turbidity, use grass turfing or horticultural crop at embankment/dyke of the earthen fish pond.</li></ul>
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/2019/51**

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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 3 <sup>rd</sup> July 2019
Rainfall: 96.8 mm (Tezu)	<b>Mostly cloudy with possibility of light/moderate rain.</b> Daily maximum and minimum temperature for the following period is predicted to be 27.0-28.0°C and 22.0-23.0°C respectively. Expected morning and evening relative humidity will be 79-95% and 49-81% respectively. Wind direction is mainly ENE average wind speed range of 4.3-5.4 kmph.
<b>Warning</b>	<ul style="list-style-type: none"> <li><b>NIL</b></li> </ul>

**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
<b>FIELD CROPS</b>			
Rice (normal sown)	Nursery/Transplantation	Blast	<ul style="list-style-type: none"> <li>❖ <b>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.</b></li> <li>❖ Field sanitation along with removal of hosts and infected debris from the field also would be helpful to manage the attack.</li> </ul>
Rice (early sown)	Stem elongation/panicle initiation	Leaf blast/ leaf spot/ leaf folder	<ul style="list-style-type: none"> <li>❖ <b>Keep the periphery of field clean and weed-free to avoid disease/pest harboring.</b></li> <li>❖ Regular monitoring of field to detect any possible attack of insects/ disease.</li> <li>❖ <b>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</b></li> </ul>
Jhum Rice	Stem elongation/panicle initiation/booting	leaf folder	<ul style="list-style-type: none"> <li>❖ <b>Strengthen the bund to protect from heavy rain. Avoid water stagnation.</b></li> <li>❖ Keep the periphery of the field clean and weed free.</li> </ul>
Maize	Silking		<ul style="list-style-type: none"> <li>❖ Monitor the crop against attack of insect pests &amp; avoid water stagnation</li> </ul>
<b>VEGETABLES</b>			
Tomato/ chilli/ brinjal	Flowering/Fruiting	Aphids / white fly	<ul style="list-style-type: none"> <li>❖ <b><u>Provide proper support to the crop,</u></b></li> <li>❖ Spraying of Mancozeb @ 2 gm per litre + cypermethrin @ 2 ml per litre of water for crop grown under protected environment,</li> </ul>
French bean/ pulses	Vegetative/ fruiting		<ul style="list-style-type: none"> <li>❖ Proper drainage in the field</li> <li>❖ Any type of caterpillar observed in the field may be manually collected and destroyed in the dusk hours in the crop field.</li> </ul>
<b>HORTICULTURAL CROPS</b>			
Banana	Multiple stage		<ul style="list-style-type: none"> <li>❖ <b>Earthing up followed by fertilizer application during clear/dry days followed by mulching with locally available grass/straw to protect from rain</b></li> </ul>
Guava	Flowering/ fruiting		<ul style="list-style-type: none"> <li>❖ Dispose off dropped fruit properly by digging up,</li> <li>❖ Water stagnation should be avoided,</li> <li>❖ Smoking on a clear evening will repel the insect pests</li> </ul>
<b>❖ LIVESTOCK and POULTRY</b>			
Livestock	Stage	Disease	Precautionary Practices to be followed
Pig	All stages	Piglet Diarrhoea	<ul style="list-style-type: none"> <li>❖ Causes by bacteria and sudden change in feed and temperature, managed by Furazolidone, streptomycin etc.</li> </ul>
Cattle/goat/sheep	All stages		<ul style="list-style-type: none"> <li>❖ 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.</li> </ul>
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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 summery of the previous week	Weather forecast valid up to 3 <sup>rd</sup> July 2019
Rainfall (Roing): 177.1 mm	<b>Mostly cloudy with possibility of moderate rain.</b> Daily maximum and minimum temperature for the following period is predicted to be 26.0-27.0°C and 23.0°C respectively. Expected morning and evening relative humidity will be 83-96% and 58-78% respectively. Wind direction is mainly E & ENE with average wind speed range of 4.4-5.5 kmph.
<b>Warning:</b>	<ul style="list-style-type: none"><li><b>NIL</b></li></ul>

**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
<b>FIELD CROPS</b>			
Rice (normal sown)	Nursery/ Transplantation	Blast	<ul style="list-style-type: none"><li>❖ <b>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.</b></li><li>❖ Field sanitation along with removal of hosts and infected debris from the field also would be helpful to manage the attack.</li></ul>
Rice (early sown)	Stem elongation/ panicle initiation	Leaf blast/ leaf spot/ leaf folder	<ul style="list-style-type: none"><li>❖ <b>Keep the periphery of field clean and weed-free to avoid disease/pest harboring.</b></li><li>❖ Regular monitoring of field to detect any possible attack of insects/ disease.</li><li>❖ <b>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</b></li></ul>
Jhum Rice	Stem elongation/ panicle initiation/ booting	leaf folder	<ul style="list-style-type: none"><li>❖ <b>Strengthen the bund to protect from heavy rain. Avoid water stagnation.</b></li><li>❖ Keep the periphery of the field clean and weed free.</li></ul>
Maize	Silking		<ul style="list-style-type: none"><li>❖ Monitor the crop against attack of insect pests &amp; avoid water stagnation</li></ul>
<b>VEGETABLES</b>			
Tomato/ chilli/ brinjal	Flowering/ Fruiting	Aphids / white fly	<ul style="list-style-type: none"><li>❖ <b><u>Provide proper support to the crop,</u></b></li><li>❖ Spraying of Mancozeb @ 2 gm per litre + cypermethrin @ 2 ml per litre of water for crop grown under protected environment,</li></ul>
French bean/ pulses	Vegetative/ fruiting		<ul style="list-style-type: none"><li>❖ Proper drainage in the field</li><li>❖ Any type of caterpillar observed in the field may be manually collected and destroyed in the dusk hours in the crop field.</li></ul>
<b>HORTICULTURAL CROPS</b>			
Banana	Multiple stage		<ul style="list-style-type: none"><li>❖ <b>Earthing up followed by fertilizer application during clear/dry days followed by mulching with locally available grass/straw to protect from rain</b></li></ul>
Guava	Flowering/ fruiting		<ul style="list-style-type: none"><li>❖ Dispose off dropped fruit properly by digging up,</li><li>❖ Water stagnation should be avoided,</li><li>❖ Smoking on a clear evening will repel the insect pests</li></ul>
<b>❖ LIVESTOCK and POULTRY</b>			
Livestock	Stage	Disease	Precautionary Practices to be followed
Pig	All stages	Piglet Diarrhoea	<ul style="list-style-type: none"><li>❖ Causes by bacteria and sudden change in feed and temperature, managed by Furazolidone, streptomycin etc.</li></ul>
Cattle/goat/sheep	All stages		<ul style="list-style-type: none"><li>❖ 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.</li></ul>
<b>Contact Scientists (ICAR) or State Agril Staff or KVK staff for measures against adverse conditions or call at 03795-226237/226247</b>			



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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 3 <sup>rd</sup> July 2019
Ziro: 4.0 mm	<b>Mostly cloudy with possibility of moderate rain.</b> Daily maximum and minimum temperature for the following period is predicted to be 29.0-30.0°C and 24.0-25.0°C respectively. Expected morning and evening relative humidity will be 87-96% and 53-88% respectively. Wind direction is mainly NW with average wind speed range of 2.8-5.9 kmph.
<b>Warning:</b>	<ul style="list-style-type: none"><li><b>NIL</b></li></ul>

**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
<b>FIELD CROPS</b>			
Rice	Transplantation/ Tillering/ Stem elongagtion	Yellow stem borer/ Leaf Blast	<ul style="list-style-type: none"><li>❖ <i>Transplanting of healthy seedling @ 2 seedlings per hill</i></li><li>❖ Before transplanting, remove the upper tip portions of the seedlings to destroy the eggs of YSB</li><li>❖ Spraying of crop with Carbandazim 50 WP @ 1 grams per litre of water both in nursery and in main crop is advised,</li></ul>
Jhum rice	Tillering/Stem elongagtion	Leaf blast/ leaf spot	<ul style="list-style-type: none"><li>❖ On clear/dry days, spray carbendazim @ 2gm/lit water in jhum field against leaf blast &amp; leaf spot.</li><li>❖ <b>Strengthen the bund to protect from heavy rain. Avoid water stagnation.</b></li><li>❖ <b>Keep the surrounding clean/ weed-free to avoid disease/pest harboring</b></li></ul>
Kharif Maize	Sowing		<ul style="list-style-type: none"><li>❖ <b>Collect seed of variety DA-61A, Vivek Hybrid-21, Vivek QPM-9 etc from certified agency</b></li><li>❖ Ensure seed treatment with carbendazim/Thiram @2g/kg seeds.</li><li>❖ Sowing only during clear/dry weather</li></ul>
<b>VEGETABLES</b>			
Chilli/ tomato/ brinjal	Vegetative/ Flowering	Leaf Curl	<ul style="list-style-type: none"><li>❖ <b>Spray imidacloprid 17.8 SL (0.003%) to the crops inside net/green house or grown in shade</b></li></ul>
French Bean, black gram, green gram	Fruiting	Bean borer	<ul style="list-style-type: none"><li>❖ Any type of caterpillar observed in the field may be manually collected and destroyed in the dusk hours in the crop field.</li></ul>
<b>HORTICULTURAL CROPS</b>			
Citrus	Flowering/fruiti ng	Trunk borer	<ul style="list-style-type: none"><li>❖ 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 &amp; twigs,</li></ul>
Ginger/turmeric	Vegetative stage	Rhizome rot	<ul style="list-style-type: none"><li>❖ <b>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.</b></li></ul>
Kiwi	Flowering	Leaf eating beetle	<ul style="list-style-type: none"><li>❖ Hand collection of the insects and its destruction,</li><li>❖ Make proper drainage facility in the crop area</li></ul>
<b>LIVESTOCKS</b>			
Livestock	Stage	Disease	Precautionary Practices to be followed
Pigs	All stages		<ul style="list-style-type: none"><li>❖ Avoid dampness and cover weak and sick animals with sack cloth.</li></ul>
Poultry	Chicks		<ul style="list-style-type: none"><li>❖ 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.</li></ul>
Fishery			<ul style="list-style-type: none"><li>❖ To avoid water turbidity, use grass turfing or horticultural crop at embankment/dyke of the earthen fish pond.</li></ul>

**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: 29<sup>th</sup> June to 3<sup>rd</sup> July 2019)

**No: AMFU-Basar/2019/51**

**Dated: Friday, 28<sup>th</sup> June 2019**



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

**ADVISORY FOR DISTRICT: PAPUM PARE**

Weather summery of the previous week	Weather forecast valid up to 3 <sup>rd</sup> July 2019
Rainfall: 75.0 mm; T. Max: 31.0°C; T. Min: 24.0°C ; RH: 82-95%	<b>Mostly/partly cloudy with possibility of rather heavy to heavy rain.</b> Daily maximum and minimum temperature for the following period is predicted to be 29.0-30.0°C and 24.0-25.0°C respectively. Expected morning and evening relative humidity will be 82-96% and 59-82% respectively. Wind direction is mainly SE & ESE with average wind speed range of 4.2-8.2 kmph.
<b>Warning:</b>	• <b>NIL</b>

**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
<b>FIELD CROPS</b>			
Rice (normal sown)	Nursery/ Transplantation	Blast	<ul style="list-style-type: none"> <li>❖ 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.</li> <li>❖ Field sanitation along with removal of hosts and infected debris from the field also would be helpful to manage the attack.</li> </ul>
Rice (early sown)	Stem elongation/ panicle initiation	Leaf blast/ leaf spot/ leaf folder	<ul style="list-style-type: none"> <li>❖ Keep the periphery of field clean and weed-free to avoid disease/pest harboring.</li> <li>❖ Regular monitoring of field to detect any possible attack of insects/ disease.</li> <li>❖ 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</li> </ul>
Jhum Rice	Stem elongation/ panicle initiation/ booting	leaf folder	<ul style="list-style-type: none"> <li>❖ Strengthen the bund to protect from heavy rain. Avoid water stagnation.</li> <li>❖ Keep the periphery of the field clean and weed free.</li> </ul>
Maize	Silking		<ul style="list-style-type: none"> <li>❖ Monitor the crop against attack of insect pests &amp; avoid water stagnation</li> </ul>
<b>VEGETABLES</b>			
Tomato/ chilli/ brinjal	Flowering/ Fruiting	Aphids / white fly	<ul style="list-style-type: none"> <li>❖ Provide proper support to the crop.</li> <li>❖ Spraying of Mancozeb @ 2 gm per litre + cypermethrin @ 2 ml per litre of water for crop grown under protected environment,</li> </ul>
French bean/ pulses	Vegetative/ fruiting		<ul style="list-style-type: none"> <li>❖ Proper drainage in the field</li> <li>❖ Any type of caterpillar observed in the field may be manually collected and destroyed in the dusk hours in the crop field.</li> </ul>
<b>HORTICULTURAL CROPS</b>			
Banana	Multiple stage		<ul style="list-style-type: none"> <li>❖ Earthing up followed by fertilizer application during clear/dry days followed by mulching with locally available grass/straw to protect from rain</li> </ul>
Guava	Flowering/ fruiting		<ul style="list-style-type: none"> <li>❖ Dispose off dropped fruit properly by digging up,</li> <li>❖ Water stagnation should be avoided,</li> <li>❖ Smoking on a clear evening will repel the insect pests</li> </ul>
<b>❖ LIVESTOCK and POULTRY</b>			
Livestock	Stage	Disease	Precautionary Practices to be followed
Pig	All stages	Piglet Diarrhoea	<ul style="list-style-type: none"> <li>❖ Causes by bacteria and sudden change in feed and temperature, managed by Furazolidone, streptomycin etc.</li> </ul>
Cattle/goat/sheep	All stages		<ul style="list-style-type: none"> <li>❖ 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.</li> </ul>
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/2019/51**

**Dated: Friday, 28<sup>th</sup> June 2019**



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

**ADVISORY FOR DISTRICT: TAWANG**

Weather summary of the previous week	Weather forecast valid up to 3 <sup>rd</sup> July 2019
Rainfall: 3.4 mm	<b>Mostly/partly cloudy with possibility of light rain.</b> Daily maximum and minimum temperature for the following period is predicted to be 14.0-15.0°C and 9.0-10.0°C respectively. Expected morning and evening relative humidity will be 87-95% and 53-68% respectively. Wind direction is mainly ENE & E with average wind speed range of 6.4-8.1 kmph.
<b>Warning:</b>	<ul style="list-style-type: none"><li><b>NIL</b></li></ul>

**GENERAL RECOMMENDATIONS**

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

**DETAILS OF ADVISORIES FOR THE PERIOD**

**FIELD CROPS**

Rice	Transplantation/ Tillering/ Stem elongation	Yellow stem borer/ Leaf Blast	<ul style="list-style-type: none"><li>❖ <i>Transplanting of healthy seedling @ 2 seedlings per hill</i></li><li>❖ Before transplanting, remove the upper tip portions of the seedlings to destroy the eggs of YSB</li><li>❖ Spraying of crop with Carbandazim 50 WP @ 1 grams per litre of water both in nursery and in main crop is advised,</li></ul>
Jhum rice	Tillering/Stem elongation	Leaf blast/ leaf spot	<ul style="list-style-type: none"><li>❖ On clear/dry days, spray carbendazim @ 2gm/lit water in jhum field against leaf blast &amp; leaf spot.</li><li>❖ <b>Strengthen the bund to protect from heavy rain. Avoid water stagnation.</b></li><li>❖ <b>Keep the surrounding clean/ weed-free to avoid disease/pest harboring</b></li></ul>
Kharif Maize	Sowing		<ul style="list-style-type: none"><li>❖ <b>Collect seed of variety DA-61A, Vivek Hybrid-21, Vivek QPM-9 etc from certified agency</b></li><li>❖ Ensure seed treatment with carbendazim/Thiram @2g/kg seeds.</li><li>❖ Sowing only during clear/dry weather</li></ul>

**VEGETABLES**

Chilli/ tomato/ brinjal	Vegetative/ Flowering	Leaf Curl	<ul style="list-style-type: none"><li>❖ <b>Spray imidacloprid 17.8 SL (0.003%) to the crops inside net/green house or grown in shade</b></li></ul>
French Bean, black gram, green gram	Fruiting	Bean borer	<ul style="list-style-type: none"><li>❖ Any type of caterpillar observed in the field may be manually collected and destroyed in the dusk hours in the crop field.</li></ul>

**HORTICULTURAL CROPS**

Citrus	Flowering/fruiting	Trunk borer	<ul style="list-style-type: none"><li>❖ 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 &amp; twigs,</li></ul>
Ginger/turmeric	Vegetative stage	Rhizome rot	<ul style="list-style-type: none"><li>❖ <b>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.</b></li></ul>
Kiwi	Flowering	Leaf eating beetle	<ul style="list-style-type: none"><li>❖ Hand collection of the insects and its destruction,</li><li>❖ Make proper drainage facility in the crop area</li></ul>

**LIVESTOCKS**

Livestock	Stage	Disease	Precautionary Practices to be followed
Poultry	Chicks		<ul style="list-style-type: none"><li>❖ 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.</li></ul>
Fishery			<ul style="list-style-type: none"><li>❖ To avoid water turbidity, use grass turfing or horticultural crop at embankment/dyke of the earthen fish pond.</li></ul>

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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 3 <sup>rd</sup> July 2019
Rainfall: 0.0 mm	<b>Mostly cloudy with possibility of moderate rain.</b> Daily maximum and minimum temperature for the following period is predicted to be 29.0-30.0°C and 24.0-25.0°C respectively. Expected morning and evening relative humidity will be 85-96% and 55-88% respectively. Wind direction is mainly ESE & SE with average wind speed range of 2.7-6.7 kmph.
<b>Warning:</b>	<ul style="list-style-type: none"><li><b>NIL</b></li></ul>

GENERAL RECOMMENDATIONS			
<ul style="list-style-type: none"><li>Avoid all spray operations</li><li>Application of fertilizers/manure may be avoided</li><li>Proper drainage to all crop to avoid runoff</li><li>Check of vaccination schedule in poultry/livestock</li></ul>			
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"><li>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.</li><li>Field sanitation along with removal of hosts and infected debris from the field also would be helpful to manage the attack.</li></ul>
Rice (early sown)	Stem elongation/ panicle initiation	Leaf blast/ leaf spot/ leaf folder	<ul style="list-style-type: none"><li>Keep the periphery of field clean and weed-free to avoid disease/pest harboring.</li><li>Regular monitoring of field to detect any possible attack of insects/ disease.</li><li>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</li></ul>
Jhum Rice	Stem elongation/ panicle initiation/ booting	leaf folder	<ul style="list-style-type: none"><li>Strengthen the bund to protect from heavy rain. Avoid water stagnation.</li><li>Keep the periphery of the field clean and weed free.</li></ul>
Maize	Silking		<ul style="list-style-type: none"><li>Monitor the crop against attack of insect pests &amp; avoid water stagnation</li></ul>
VEGETABLES			
Tomato/ chilli/ brinjal	Flowering/ Fruiting	Aphids / white fly	<ul style="list-style-type: none"><li>Provide proper support to the crop.</li><li>Spraying of Mancozeb @ 2 gm per litre + cypermethrin @ 2 ml per litre of water for crop grown under protected environment,</li></ul>
French bean/ pulses	Vegetative/ fruiting		<ul style="list-style-type: none"><li>Proper drainage in the field</li><li>Any type of caterpillar observed in the field may be manually collected and destroyed in the dusk hours in the crop field.</li></ul>
HORTICULTURAL CROPS			
Banana	Multiple stage		<ul style="list-style-type: none"><li>Earthing up followed by fertilizer application during clear/dry days followed by mulching with locally available grass/straw to protect from rain</li></ul>
Guava	Flowering/ fruiting		<ul style="list-style-type: none"><li>Dispose off dropped fruit properly by digging up,</li><li>Water stagnation should be avoided,</li><li>Smoking on a clear evening will repel the insect pests</li></ul>
❖ LIVESTOCK and POULTRY			
Livestock	Stage	Disease	Precautionary Practices to be followed
Pig	All stages	Piglet Diarrhoea	<ul style="list-style-type: none"><li>Causes by bacteria and sudden change in feed and temperature, managed by Furazolidone, streptomycin etc.</li></ul>
Cattle/goat/sheep	All stages		<ul style="list-style-type: none"><li>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.</li></ul>
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Gramin Krishi Mausam Sewa  
ICAR Research Complex for NEH Region, Arunachal Pradesh Centre, Basar-791101

**ADVISORY FOR DISTRICT: UPPER SIANG**

Weather summery of the previous week	Weather forecast valid up to 3 <sup>rd</sup> July 2019
Rainfall: 50.4 mm	<b>Mostly cloudy with possibility of moderate to rather heavy rain.</b> Daily maximum and minimum temperature for the following period is predicted to be 23.0°C and 18.0-19.0°C respectively. Expected morning and evening relative humidity will be 88-96% and 62-78% respectively. Wind direction is mainly variable with average wind speed of 3.9-5.1 kmph.
Warning:	<ul style="list-style-type: none"><li><b>NIL</b></li></ul>

GENERAL RECOMMENDATIONS			
<ul style="list-style-type: none"><li>Monitor for possible attack of insects/pests</li><li>Application of fertilizers/manure can be done during clear/dry days</li><li>Proper drainage to all crop to avoid runoff</li><li>Check of vaccination schedule in poultry/livestock</li></ul>			
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"><li>❖ <i>Transplanting of healthy seedling @ 2 seedlings per hill</i></li><li>❖ Before transplanting, remove the upper tip portions of the seedlings to destroy the eggs of YSB</li><li>❖ Spraying of crop with Carbandazim 50 WP @ 1 grams per litre of water both in nursery and in main crop is advised,</li></ul>
Jhum rice	Tillering/Stem elongagtion	Leaf blast/ leaf spot	<ul style="list-style-type: none"><li>❖ On clear/dry days, spray carbendazim @ 2gm/lit water in jhum field against leaf blast &amp; leaf spot.</li><li>❖ <b>Strengthen the bund to protect from heavy rain. Avoid water stagnation.</b></li><li>❖ <b>Keep the surrounding clean/ weed-free to avoid disease/pest harboring</b></li></ul>
Kharif Maize	Sowing		<ul style="list-style-type: none"><li>❖ <b>Collect seed of variety DA-61A, Vivek Hybrid-21, Vivek QPM-9 etc from certified agency</b></li><li>❖ Ensure seed treatment with carbendazim/Thiram @2g/kg seeds.</li><li>❖ Sowing only during clear/dry weather</li></ul>
VEGETABLES			
Chilli/ tomato/ brinjal	Vegetative/ Flowering	Leaf Curl	<ul style="list-style-type: none"><li>❖ <b>Spray imidacloprid 17.8 SL (0.003%) to the crops inside net/green house or grown in shade</b></li></ul>
French Bean, black gram, green gram	Fruiting	Bean borer	<ul style="list-style-type: none"><li>❖ Any type of caterpillar observed in the field may be manually collected and destroyed in the dusk hours in the crop field.</li></ul>
HORTICULTURAL CROPS			
Citrus	Flowering/fruiti ng	Trunk borer	<ul style="list-style-type: none"><li>❖ 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 &amp; twigs,</li></ul>
Ginger/turmeric	Vegetative stage	Rhizome rot	<ul style="list-style-type: none"><li>❖ <b>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.</b></li></ul>
Kiwi	Flowering	Leaf eating beetle	<ul style="list-style-type: none"><li>❖ Hand collection of the insects and its destruction,</li><li>❖ Make proper drainage facility in the crop area</li></ul>
LIVESTOCKS			
Livestock	Stage	Disease	Precautionary Practices to be followed
Poultry	Chicks		<ul style="list-style-type: none"><li>❖ 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.</li></ul>
Fishery			<ul style="list-style-type: none"><li>❖ To avoid water turbidity, use grass turfing or horticultural crop at embankment/dyke of the earthen fish pond.</li></ul>
Contact Scientists (ICAR) or State Agril Staff or KVK staff for measures against adverse conditions or call at 03795-226237/226247			