

# कृषि मौसम सलाहकार सेवा पत्रिका

## Agro-met Advisory Bulletin

(Period: 27<sup>th</sup> to 30<sup>th</sup> May 2017)

ग्रामीण कृषि मौसम सेवा



**GRAMIN KRISHI MAUSAM SEWA**  
(Integrated Agro-Meteorological Advisory Services)

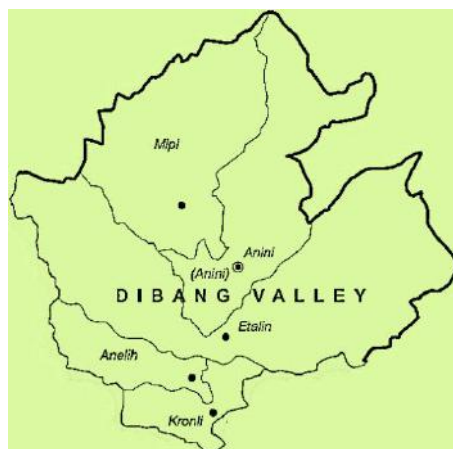


AMFU, ICAR Research Complex for NEH Region  
Arunachal Pradesh Centre, Basar-791101

**District: Dibang Valley**

**No: 42/2017/Fri**

**Dated: 26<sup>th</sup> May, 2017**



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

Weather summary of the previous week	Weather forecast valid up to 31 <sup>st</sup> May, 2017
Rainfall = 25.0 mm (Anini)	<b>Partly cloudy with possibility of light/moderate rainfall.</b> Daily maximum and minimum temperature for the following period is predicted to be 20-23°C and 12-13°C respectively. Expected morning and evening relative humidity will be 72-86% and 35-51% respectively. Wind direction is mainly E with speed range of 4-6 kmph.
<b>Warning:</b>	<ul style="list-style-type: none"><li><b>Heavy rainfall is very likely to occur at isolated places on 27<sup>th</sup> and 30<sup>th</sup> May</b></li></ul>

### Weather Based Agro-meteorological Advisories Bulletin

#### General recommendations

- Disinfecting the animal/bird sheds with lime powder/ bleaching powder/ 4%NaOH at regular interval is advocated
- Go for spray operation only on dry/clear weather.
- Go for low cost polyhouses for year round cultivation of vegetables
- Obtain seeds from reputed/certified/reliable source
- Use fertilizers/pesticides as per recommended doses for the location
- Preference must be given on use of organic manures/bio-fertilizers & bio-pesticides
- ICAR Basar recommend poultry variety VANARAJA for backyard rearing

Crop	Stage	Pest/Disease	Precautionary Practices to be followed
<b>FIELD CROPS</b>			
Rice	Nursery/transplanting	Stem borer	<ul style="list-style-type: none"> <li>Cut the tips of the leaves before transplanting reduces the population of stem borer as the eggs are laid on that site. It will reduce the carryover of the infestation to the main field.</li> <li>Rice: Spray Triazophos 40EC @ 4 ml/lit against stem borer in rice nursery as well as in main field during sunny days</li> </ul>
Jhum field	Tillering		<ul style="list-style-type: none"> <li>Manual weeding advocated</li> <li>Top dressing of urea one third of recommended dose can be carried out in upland/jhum rice</li> </ul>
Soybean	Sowing		<ul style="list-style-type: none"> <li><b>Right time for sowing of soybean</b></li> <li><b>Carry out seed dressing/treatment with Thiram or Carbendazim @ 2g/kg seed before sowing</b></li> </ul>
Maize	Knee height		<ul style="list-style-type: none"> <li><b>Carry out thinning and earthing up in maize without delay</b></li> </ul>
Finger millet	Sowing		<ul style="list-style-type: none"> <li>Sowing of short duration finger millet varieties like VL-324 &amp; VR-708 can be carried out without delay.</li> </ul>
<b>VEGETABLES</b>			
Pre-summer vegetables	Seedling/vegetative		<ul style="list-style-type: none"> <li>Provision of drainage to remove excess water followed by earthing up in vegetables.</li> <li>On clear/dry weather, spray Boom (organic liquid manure) @ 4ml/lit of water for proper growth and development.</li> <li>On clear day, spray Azadirachtin 0.15EC@ 6ml/lit water against insect pests</li> <li>In cucurbitaceous crops like bottle gourd, cucumber, ridge gourd etc, earthing up to be done followed by manuring; and stacking should be followed and trained on a bower system made of bamboo + sticks.</li> <li><b>Seed treatment: Before sowing treat seed with trichoderma viridi1% WP @ 10g/kg seed.</b></li> </ul>
<b>HORTICULTURAL CROPS</b>			
Pineapple	Vegetative		<ul style="list-style-type: none"> <li><b>Earthing-up and removal of excess suckers for better plant establishment and anchorage.</b></li> </ul>
Banana	Vegetative		<ul style="list-style-type: none"> <li>Planting of banana making pit maintaining at a spacing of 2.5 X 2.5 meter plant to plant and row to row distance.</li> <li><b>Denavelling (removal of male bud) to improve bunch weight</b></li> <li><b>Bagging of bunches to protect against unusual rainfall.</b></li> </ul>
Citrus	Fruiting	Citrus scab/ leaf miner	<ul style="list-style-type: none"> <li>Spray of Difenocomazole <a href="#">25EC@0.05%</a> against citrus scab in Khasi Mandarin. Mix sticker 1ml/lit in case of rain.</li> <li><b>Spray Imidacloprid <a href="#">17.8%SL@0.2ml/lit</a> of water against citrus leaf miner.</b></li> </ul>
Ginger/Turmeric	Sowing/germination		<ul style="list-style-type: none"> <li>Disease free ginger/turmeric rhizomes of 30-40g having atleast 2 eyes to be sown in finely tilled bed of 1 meter width, 15 cm high and of convenient length at a spacing of 30 cm between rows and 25cm between plants.</li> <li><b>Mulching ginger beds with locally available leaves/materials is advocated to enhance germination</b></li> </ul>
Orchards			<ul style="list-style-type: none"> <li>Prepare half moon terraces in fruit crops (orange/banana/apple/peach) grown in steep slopes to prevent nutrient loss during heavy downpour.</li> <li>Follow proper drainage and earthing up practices in low land/plain areas to avoid water stagnation in fruit orchards</li> </ul>
Large Cardamom	Sowing		<ul style="list-style-type: none"> <li>Should be sown in Primary nursery bed at 2cm deep and 10 cm apart followed by mulching &amp; regular light irrigation.</li> <li>The duration of primary nursery being 3-4 months.</li> </ul>
Apple	Vegetative	Woolly aphids	<ul style="list-style-type: none"> <li>Swab the stem with mineral oil against woolly aphid.</li> </ul>
<b>Honey Bees</b>			
Honey bees			<ul style="list-style-type: none"> <li>In case of rain provide sugar syrup</li> </ul>
<b>LIVESTOCKS</b>			
Livestock	Stage	Disease	Precautionary Practices to be followed

<b>Fishery</b>	<b>Fingerlings</b>		<ul style="list-style-type: none"> <li>• <b>Broadcasting of Mustard Oil Cake (MOC) @ 5kg/pond twice daily advocated for healthy fingerlings</b></li> </ul>
Pigs	All stages	FMD (high fever and appearance of mucous membrane of the mouth and foot.)	<ul style="list-style-type: none"> <li>• Animals should be given lukewarm feed and water.</li> <li>• Keep the houses dry and clean.</li> <li>• 1<sup>st</sup> injection at 6 months of age and 2<sup>nd</sup> injection at 12 months of age followed by annual vaccination under vet supervision</li> </ul>
Poultry	All stages		<ul style="list-style-type: none"> <li>• Follow 'All in All out' system of rearing and do not rear birds of different age groups together.</li> <li>• Avoid overcrowding.</li> <li>• Provide adequate clean drinking water+electrolyte and multi-vitamins</li> <li>• Vaccination as per the schedule with proper consultation with vet. <ul style="list-style-type: none"> <li>➤ 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> </li> <li>• Remove wet litter/provide artificial heating and light</li> </ul>
Cattle	All stages	FMD	<ul style="list-style-type: none"> <li>• 1<sup>st</sup> injection at 6-8 weeks of age, 2<sup>nd</sup> injection after 6 months of 1<sup>st</sup> injection followed by annual vaccination under vet supervision</li> </ul>
Mithun		FMD	<ul style="list-style-type: none"> <li>• Polyvalent FMD vaccine with serotype O, A and Asia at 6 months of age and repeat after that 6 months interval by sub-cutaneous route.</li> <li>• Pregnant animals above 7 months of pregnancy should be avoided.</li> </ul>

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

Issued jointly by ICAR-RC for NEH Region, Arunachal Pradesh Centre, Basar and India Meteorological Department  
Contact: - [IAAS.BASAR@gmail.com](mailto:IAAS.BASAR@gmail.com), Phone Number: - 03795-226247/37, -96 (Fax)

**Agrometeorological Field Unit  
ICAR, BASAR**

# कृषि मौसम सलाहकार सेवा पत्रिका

## Agro-met Advisory Bulletin

(Period: 27<sup>th</sup> to 30<sup>th</sup> May 2017)

ग्रामीण कृषि मौसम सेवा



**GRAMIN KRISHI MAUSAM SEWA**  
(Integrated Agro-Meteorological Advisory Services)



भा.क.अनु.प. - पू.प.सं.  
ICAR - RCNEH

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

**District: East Kameng**

**No: 41/2017/Tue**

**Dated: 23<sup>rd</sup> May, 2017**



Weather summary of the previous week	Weather forecast valid up to 31 <sup>st</sup> May 2017
Rainfall = 25.6 mm	<b>Partly cloudy with possibility of light/moderate rainfall.</b> Daily maximum and minimum temperature for the following period is predicted to be 20-23°C and 12-13°C respectively. Expected morning and evening relative humidity will be 75-95% and 45-64% respectively. Expected wind direction is mainly NE with speed range of 3-5 kmph.
<b>Warning:</b>	<ul style="list-style-type: none"> <li><b>Heavy rainfall is very likely to occur at isolated places on 27<sup>th</sup> and 30<sup>th</sup> May</b></li> </ul>

### Weather Based Agro-meteorological Advisories Bulletin

#### General Recommendations

- Go for low cost polyhouses for year round cultivation of vegetables
- Obtain seeds from reputed/certified/reliable source
- Use fertilizers/pesticides as per recommended doses for the location
- Preference must be given on use of organic manures/bio-fertilizers & bio-pesticides
- ICAR Basar recommend poultry variety VANARAJA for backyard rearing
- Disinfecting the animal/bird sheds with lime powder/ bleaching powder/ 4%NaOH at regular interval is advocated

Crop	Stage	Pest/Disease	Precautionary Practices to be followed
<b>FIELD CROPS</b>			
Rice	Nursery/transplanting	Stem borer	<ul style="list-style-type: none"> <li>Cut the tips of the leaves before transplanting reduces the population of stem borer as the eggs are laid on that site. It will reduce the carryover of the infestation to the main field.</li> <li>Rice: Spray Triazophos 40EC @ 4 ml/lit against stem borer in rice nursery as well as in main field during sunny days</li> </ul>
Jhum field	Tillering		<ul style="list-style-type: none"> <li>Manual weeding advocated</li> <li>Top dressing of urea one third of recommended dose can be carried out in upland/jhum rice</li> </ul>
Maize	Knee height		<ul style="list-style-type: none"> <li><b>Carry out thinning and earthing up in maize without delay</b></li> </ul>
Soybean	Sowing		<ul style="list-style-type: none"> <li><b>Right time for sowing of soybean</b></li> <li><b>Carry out seed dressing/treatment with Thiram or Carbendazim @ 2g/kg seed before sowing</b></li> </ul>
Finger millet	Sowing		<ul style="list-style-type: none"> <li>Sowing of short duration finger millet varieties like VL-324 &amp; VR-708 can be carried out without delay.</li> </ul>
<b>VEGETABLES</b>			
Pre-summer vegetables	Seedling/vegetative		<ul style="list-style-type: none"> <li>Provision of drainage to remove excess water followed by earthing up in vegetables.</li> <li>On clear/dry weather, spray Boom (organic liquid manure) @ 4ml/lit of water for proper growth and development.</li> <li>On clear day, spray Azadirachtin 0.15EC@ 6ml/lit water against insect pests</li> <li>In cucurbitaceous crops like bottle gourd, cucumber, ridge gourd etc, earthing up to be done followed by manuring; and stacking should be followed and trained on a bower system made of bamboo + sticks.</li> <li><b>Seed treatment: Before sowing treat seed with trichoderma viridi1% WP @ 10g/kg seed.</b></li> </ul>
<b>HORTICULTURAL CROPS</b>			
Pineapple	Vegetative		<ul style="list-style-type: none"> <li><b>Earthing-up and removal of excess suckers for better plant establishment and anchorage.</b></li> </ul>
Citrus	Fruiting	Citrus scab/ leaf miner	<ul style="list-style-type: none"> <li>Spray of Difenocomazole <a href="#">25EC@0.05%</a> against citrus scab in Khasi Mandarin. Mix sticker 1ml/lit in case of rain.</li> <li><b>Spray Imidacloprid <a href="#">17.8%SL@0.2ml/lit</a> of water against citrus leaf miner.</b></li> </ul>
Banana	Vegetative		<ul style="list-style-type: none"> <li>Planting of banana making pit maintaining at a spacing of 2.5 X 2.5 meter plant to plant and row to row distance.</li> <li><b>Denavelling (removal of male bud) to improve bunch weight</b></li> <li><b>Bagging of bunches to protect against unusual rainfall.</b></li> </ul>
Ginger/Turmeric	Sowing/germination		<ul style="list-style-type: none"> <li>Disease free ginger/turmeric rhizomes of 30-40g having atleast 2 eyes to be sown in finely tilled bed of 1 meter width, 15 cm high and of convenient length at a spacing of 30 cm between rows and 25cm between plants.</li> <li><b>Mulching ginger beds with locally available leaves/materials is advocated to enhance germination</b></li> </ul>
Orchards			<ul style="list-style-type: none"> <li>Prepare half moon terraces in fruit crops (orange/banana/apple/peach) grown in steep slopes to prevent nutrient loss during heavy downpour.</li> <li>Follow proper drainage and earthing up practices in low land/plain areas to avoid water stagnation in fruit orchards</li> </ul>
Large Cardamom	Sowing		<ul style="list-style-type: none"> <li>Should be sown in Primary nursery bed at 2cm deep and 10 cm apart followed by mulching &amp; regular light irrigation.</li> <li>The duration of primary nursery being 3-4 months.</li> </ul>
<b>Agroforestry</b>			
Toko palm	Nursery		Filling of nursery polybags for raising of takopalm seedlings

<b>LIVESTOCKS</b>			
<b>Livestock</b>	<b>Stage</b>	<b>Disease</b>	<b>Precautionary Practices to be followed</b>
Fishery	Fingerlings		<ul style="list-style-type: none"> <li>• <b>Broadcasting of Mustard Oil Cake (MOC) @ 5kg/pond twice daily advocated for healthy fingerlings</b></li> </ul>
Pigs	All stages	FMD (high fever and appearance of mucous membrane of the mouth and foot.)	<ul style="list-style-type: none"> <li>• Animals should be given lukewarm feed and water.</li> <li>• Keep the houses dry and clean.</li> <li>• 1<sup>st</sup> injection at 6 months of age and 2<sup>nd</sup> injection at 12 months of age followed by annual vaccination under vet supervision</li> </ul>
Poultry	All stages		<ul style="list-style-type: none"> <li>• Follow 'All in All out' system of rearing and do not rear birds of different age groups together.</li> <li>• Avoid overcrowding.</li> <li>• Provide adequate clean drinking water+electrolyte and multi-vitamins</li> <li>• Vaccination as per the schedule with proper consultation with vet. <ul style="list-style-type: none"> <li>➤ 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> </li> <li>• Remove wet litter/provide artificial heating and light</li> </ul>
Fishery			<ul style="list-style-type: none"> <li>• Best time to prepare the culture pond like cleaning aquatic weeds</li> </ul>
Cattle	All stages	FMD	<ul style="list-style-type: none"> <li>• 1<sup>st</sup> injection at 6-8 weeks of age, 2<sup>nd</sup> injection after 6 months of 1<sup>st</sup> injection followed by annual vaccination under vet supervision</li> </ul>
Mithun		FMD	<ul style="list-style-type: none"> <li>• Polyvalent FMD vaccine with serotype O, A and Asia at 6 months of age and repeat after that 6 months interval by sub-cutaneous route.</li> <li>• Pregnant animals above 7 months of pregnancy should be avoided.</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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**Agrometeorological Field Unit  
ICAR, BASAR**

# कृषि मौसम सलाहकार सेवा पत्रिका

## Agro-met Advisory Bulletin

(Period: 27<sup>th</sup> to 30<sup>th</sup> May 2017)

ग्रामीण कृषि मौसम सेवा



**GRAMIN KRISHI MAUSAM SEWA**  
(Integrated Agro-Meteorological Advisory Services)



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

**District: East Siang**

No: 42/2017/Fri

Dated: 26<sup>th</sup> May, 2017



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

Weather summary of the previous week	Weather forecast valid up to 31 <sup>st</sup> May 2017
Rainfall: 89.5 mm; T. Max: 28.0°C; T. Min: 22.0°C; RH: 86-96%	<b>Partly cloudy with possibility of moderate rainfall.</b> Daily maximum and minimum temperature for the following period is predicted to be 26-33°C and 21-23°C respectively. Expected morning and evening relative humidity will be 78-88% and 36-57% respectively. Expected wind direction is mainly W and WNW with speed range of 3-6 kmph.
<b>Warning:</b>	<b>• Heavy rainfall is very likely to occur at isolated places on 27<sup>th</sup> and 30<sup>th</sup> May</b>

### Weather Based Agro-meteorological Advisories Bulletin

#### General Recommendations

- Go for low cost polyhouses for year round cultivation of vegetables
- Obtain seeds from reputed/certified/reliable source
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Jhum field	Tillering		<ul style="list-style-type: none"> <li>• Manual weeding advocated</li> <li>• Top dressing of urea one third of recommended dose can be carried out in upland/jhum rice</li> </ul>
Soybean	Sowing		<ul style="list-style-type: none"> <li>• <b>Right time for sowing of soybean</b></li> <li>• <b>Carry out seed dressing/treatment with Thiram or Carbendazim @ 2g/kg seed before sowing</b></li> </ul>
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Maize	Knee height		<ul style="list-style-type: none"> <li>• <b>Carry out thinning and earthing up in maize without delay</b></li> </ul>
Pulses	Vegetative		<ul style="list-style-type: none"> <li>• <b>Apply biosulphur @2ml/lit water to enhance yield</b></li> </ul>
<b>VEGETABLES</b>			
Pre-summer vegetables	Seedling/vegetative		<ul style="list-style-type: none"> <li>• Provision of drainage to remove excess water followed by earthing up in vegetables.</li> <li>• On clear/dry weather, spray Boom (organic liquid manure) @ 4ml/lit of water for proper growth and development.</li> <li>• On clear day, spray Azadirachtin 0.15EC@ 6ml/lit water against insect pests</li> <li>• In cucurbitaceous crops like bottle gourd, cucumber, ridge gourd etc, earthing up to be done followed by manuring; and stacking should be followed and trained on a bower system made of bamboo + sticks.</li> <li>• <b>Seed treatment: Before sowing treat seed with trichoderma viridi1% WP @ 10g/kg seed.</b></li> </ul>
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Ginger/Turmeric	Sowing/germination		<ul style="list-style-type: none"> <li>• Disease free ginger/turmeric rhizomes of 30-40g having atleast 2 eyes to be sown in finely tilled bed of 1 meter width, 15 cm high and of convenient length at a spacing of 30 cm between rows and 25cm between plants.</li> <li>• <b>Mulching ginger beds with locally available leaves/materials is advocated to enhance germination</b></li> </ul>
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Large Cardamom	Sowing		<ul style="list-style-type: none"> <li>• Should be sown in Primary nursery bed at 2cm deep and 10 cm apart followed by mulching &amp; regular light irrigation.</li> <li>• The duration of primary nursery being 3-4 months.</li> </ul>
<b>Honey Bees</b>			



Honey bees			<ul style="list-style-type: none"> <li>On prolong rain, provide sugar syrup</li> </ul>
<b>LIVESTOCKS</b>			
<b>Livestock</b>	<b>Stage</b>	<b>Disease</b>	<b>Precautionary Practices to be followed</b>
Fishery	Fingerlings		<ul style="list-style-type: none"> <li><b>Broadcasting of Mustard Oil Cake (MOC) @ 5kg/pond twice daily advocated for healthy fingerlings</b></li> </ul>
Pigs	All stages	FMD (high fever and appearance of mucous membrane of the mouth and foot.)	<ul style="list-style-type: none"> <li>1<sup>st</sup> injection at 6 months of age and 2<sup>nd</sup> injection at 12 months of age followed by annual vaccination under vet supervision</li> </ul>
Poultry	All stages		<ul style="list-style-type: none"> <li>Follow 'All in All out' system of rearing and do not rear birds of different age groups together.</li> <li>Provide adequate clean drinking water+electrolyte and multi-vitamins</li> <li>Give broad-spectrum antihelmintic drugs as per prescribed doses.</li> <li>Vaccination as per the schedule with proper consultation with vet. <ul style="list-style-type: none"> <li>➤ 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> </li> <li>Remove wet litter/provide artificial heating and light</li> </ul>
Cattle	All stages	FMD	<ul style="list-style-type: none"> <li>1<sup>st</sup> injection at 6-8 weeks of age, 2<sup>nd</sup> injection after 6 months of 1<sup>st</sup> injection followed by annual vaccination under vet supervision</li> </ul>
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(Period: 27<sup>th</sup> to 30<sup>th</sup> May 2017)

ग्रामीण कृषि मौसम सेवा



**GRAMIN KRISHI MAUSAM SEWA**  
(Integrated Agro-Meteorological Advisory Services)



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

**District: Kurung Kumey**

No: 42/2017/Fri

Dated: 26<sup>th</sup> May, 2017



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

Weather summary of the previous week	Weather forecast valid up to 31 <sup>st</sup> May 2016
Past weather summary not available	<b>Variable weather with possibility of light/moderate rainfall till 29<sup>th</sup> May.</b> Daily maximum and minimum temperature for the following period is predicted to be 22-26°C and 15-16°C respectively. Expected morning and evening relative humidity will be 86-90% and 51-77% respectively. Wind direction is mainly E with speed range of 2-4 kmph.
Warning	<b>• Heavy rainfall is very likely to occur at isolated places on 27<sup>th</sup> and 30<sup>th</sup> May</b>

### Weather Based Agro-meteorological Advisories Bulletin

#### General Recommendations

- **Spray operations should be done only on dry/clear weather or in extreme case use stickers**
- **Go for low cost polyhouses for year round cultivation of vegetables**
- **Obtain seeds from reputed/certified/reliable source**
- **Use fertilizers/pesticides as per recommended doses for the location**
- **Preference must be given on use of organic manures/bio-fertilizers & bio-pesticides**
- **ICAR Basar recommend poultry variety VANARAJA for backyard rearing**
- **Disinfecting the animal/bird sheds with lime powder/ bleaching powder/ 4%NaOH at regular interval is advocated**

Crop	Stage	Pest/Disease	Precautionary Practices to be followed
<b>FIELD CROPS</b>			
Rice	Nursery/transplanting	Stem borer	<ul style="list-style-type: none"> <li>• Cut the tips of the leaves before transplanting reduces the population of stem borer as the eggs are laid on that site. It will reduce the carryover of the infestation to the main field.</li> <li>• Rice: Spray Triazophos 40EC @ 4 ml/lit against stem borer in rice nursery as well as in main field during sunny days</li> </ul>
Jhum field	Tillering		<ul style="list-style-type: none"> <li>• Manual weeding advocated</li> <li>• Top dressing of urea one third of recommended dose can be carried out in upland/jhum rice</li> </ul>
Soybean	Sowing		<ul style="list-style-type: none"> <li>• <b>Right time for sowing of soybean</b></li> <li>• <b>Carry out seed dressing/treatment with Thiram or Carbendazim @ 2g/kg seed before sowing</b></li> </ul>
Maize	Knee height		<ul style="list-style-type: none"> <li>• <b>Carry out thinning and earthing up in maize without delay</b></li> </ul>
Finger millet	Sowing		<ul style="list-style-type: none"> <li>• Sowing of short duration finger millet varieties like VL-324 &amp; VR-708 can be carried out without delay.</li> </ul>
Pea	Seedling		<ul style="list-style-type: none"> <li>• Provide proper drainage to already sown crops</li> </ul>
<b>VEGETABLES</b>			
Pre-summer vegetables	Seedling/vegetative		<ul style="list-style-type: none"> <li>• Provision of drainage to remove excess water followed by earthing up in vegetables.</li> <li>• On clear/dry weather, spray Boom (organic liquid manure) @ 4ml/lit of water for proper growth and development.</li> <li>• On clear day, spray Azadirachtin 0.15EC @ 6ml/lit water against insect pests</li> <li>• In cucurbitaceous crops like bottle gourd, cucumber, ridge gourd etc, earthing up to be done followed by manuring; and stacking should be followed and trained on a bower system made of bamboo + sticks.</li> <li>• <b>Seed treatment: Before sowing treat seed with trichoderma viridi 1% WP @ 10g/kg seed.</b></li> </ul>
<b>HORTICULTURAL CROPS</b>			
Pineapple	Vegetative		<ul style="list-style-type: none"> <li>• <b>Earthing-up and removal of excess suckers for better plant establishment and anchorage.</b></li> </ul>
Citrus	Fruiting	Citrus scab/ leaf miner	<ul style="list-style-type: none"> <li>• Spray of Difenocomazole <a href="#">25EC@0.05%</a> against citrus scab in Khasi Mandarin. Mix sticker 1ml/lit in case of rain.</li> <li>• <b>Spray Imidacloprid <a href="#">17.8%SL@0.2ml/lit</a> of water against citrus leaf miner.</b></li> </ul>
Banana	Vegetative		<ul style="list-style-type: none"> <li>• Planting of banana making pit maintaining at a spacing of 2.5 X 2.5 meter plant to plant and row to row distance.</li> <li>• <b>Denavelling (removal of male bud) to improve bunch weight</b></li> <li>• <b>Bagging of bunches to protect against unusual rainfall.</b></li> </ul>
Ginger/Turmeric	Sowing/germination		<ul style="list-style-type: none"> <li>• Disease free ginger/turmeric rhizomes of 30-40g having atleast 2 eyes to be sown in finely tilled bed of 1 meter width, 15 cm high and of convenient length at a spacing of 30 cm between rows and 25cm between plants.</li> <li>• <b>Mulching ginger beds with locally available leaves/materials is advocated to enhance germination</b></li> </ul>
Large Cardamom	Sowing		<ul style="list-style-type: none"> <li>• Should be sown in Primary nursery bed at 2cm deep and 10 cm apart followed by mulching &amp; regular light irrigation.</li> <li>• The duration of primary nursery being 3-4 months.</li> </ul>
<b>Honey Bees</b>			
			<ul style="list-style-type: none"> <li>• Box must be covered with straw/dry leaves to provide warmth</li> </ul>
<b>LIVESTOCKS</b>			
<b>Livestock</b>	<b>Stage</b>	<b>Disease</b>	<b>Precautionary Practices to be followed</b>
Fishery	Fingerlings		<ul style="list-style-type: none"> <li>• <b>Broadcasting of Mustard Oil Cake (MOC) @ 5kg/pond twice daily advocated for healthy fingerlings</b></li> </ul>

Cattle	All stages	FMD	<ul style="list-style-type: none"> <li>• 1<sup>st</sup> injection at 6-8 weeks of age, 2<sup>nd</sup> injection after 6 months of 1<sup>st</sup> injection followed by annual vaccination under vet supervision</li> <li>• Separate sick animals</li> <li>• The animal should be washed with lukewarm water added with little potash (KMnO<sub>4</sub>) or neem leaves</li> <li>• Long hair near the udder/stomach/back legs should be teamed short.</li> </ul>
Pigs	All stages	FMD (high fever and appearance of mucous membrane of the mouth and foot.)	<ul style="list-style-type: none"> <li>• Provide adequate bedding material (paddy straw, rice husk) to newly born piglets.</li> <li>• Animals should be given lukewarm feed and water.</li> <li>• All animals should be tethered in a covered shelter. Keep the houses dry and clean.</li> <li>• 1<sup>st</sup> injection at 6 months of age and 2<sup>nd</sup> injection at 12 months of age followed by annual vaccination under vet supervision</li> </ul>
Poultry	All stages		<ul style="list-style-type: none"> <li>• Follow 'All in All out' system of rearing and do not rear birds of different age groups together.</li> <li>• Avoid overcrowding.</li> <li>• Provide adequate clean drinking water+electrolyte and multi-vitamins</li> <li>• Vaccination as per the schedule with proper consultation with vet. <ul style="list-style-type: none"> <li>➤ 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> </li> <li>• Remove wet litter/provide artificial heating and light</li> </ul>
Mithun		FMD	<ul style="list-style-type: none"> <li>• Polyvalent FMD vaccine with serotype O, A and Asia at 6 months of age and repeat after that 6 months interval by sub-cutaneous route.</li> <li>• Pregnant animals above 7 months of pregnancy should be avoided.</li> </ul>

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

Issued jointly by ICAR-RC for NEH Region, Arunachal Pradesh Centre, Basar and India Meteorological Department  
Contact: - [IAAS.BASAR@gmail.com](mailto:IAAS.BASAR@gmail.com), Phone Number: - 03795-226247/37, -96 (Fax)

**Agrometeorological Field Unit  
ICAR, BASAR**

# कृषि मौसम सलाहकार सेवा पत्रिका

## Agro-met Advisory Bulletin

(Period: 27<sup>th</sup> to 30<sup>th</sup> May 2017)

ग्रामीण कृषि मौसम सेवा



**GRAMIN KRISHI MAUSAM SEWA**  
(Integrated Agro-Meteorological Advisory Services)



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

**District: Lohit**

No: 42/2017/Fri

Dated: 26<sup>th</sup> May, 2017



Weather summary of the previous week	Weather forecast valid up to 31 <sup>st</sup> May, 2017
Rainfall = 56.4 mm (Tezu)	Partly cloudy weather with possibility of moderate rainfall. Daily maximum and minimum temperature for the following period is predicted to be 23-26°C and 15-16°C respectively. Expected morning and evening relative humidity will be 81-87% and 47-64% respectively. Wind direction is E with speed range of 3-5 kmph.
<b>Warning:</b>	<ul style="list-style-type: none"><li>Heavy rainfall is very likely to occur at isolated places on 27<sup>th</sup> and 30<sup>th</sup> May</li></ul>

### Weather Based Agro-meteorological Advisories Bulletin

#### General Recommendations

- Spraying operation should be done only on dry/clear weather
- Go for low cost polyhouses for year round cultivation of vegetables
- Obtain seeds from reputed/certified/reliable source
- Use fertilizers/pesticides as per recommended doses for the location
- Preference must be given on use of organic manures/bio-fertilizers & bio-pesticides
- ICAR Basar recommend poultry variety VANARAJA for backyard rearing

Crop	Stage	Pest/Disease	Precautionary Practices to be followed
<b>FIELD CROPS</b>			
Rice	Nursery/transplanting	Stem borer	<ul style="list-style-type: none"> <li>Cut the tips of the leaves before transplanting reduces the population of stem borer as the eggs are laid on that site. It will reduce the carryover of the infestation to the main field.</li> <li>Rice: Spray Triazophos 40EC @ 4 ml/lit against stem borer in rice nursery as well as in main field during sunny days</li> </ul>
Jhum field	Tillering		<ul style="list-style-type: none"> <li>Manual weeding advocated</li> <li>Top dressing of urea one third of recommended dose can be carried out in upland/jhum rice</li> </ul>
Maize	Knee height		<ul style="list-style-type: none"> <li><b>Carry out thinning and earthing up in maize without delay</b></li> </ul>
Finger millet	Sowing		<ul style="list-style-type: none"> <li>Sowing of short duration finger millet varieties like VL-324 &amp; VR-708 can be carried out without delay.</li> </ul>
Rice	Seedling	Stem borer	<ul style="list-style-type: none"> <li>Top dressing of urea one third of recommended dose can be carried out in upland/jhum rice and maize.</li> <li>Rice: Spray Triazophos 40EC @ 4 ml/lit against stem borer in rice nursery as well as in main field.</li> <li>Cut the tips of the leaves before transplanting reduces the population of stem borer as the eggs are laid on that site. It will reduce the carryover of the infestation to the main field.</li> </ul>
<b>VEGETABLES</b>			
Pre-summer vegetables	Seedling/vegetative		<ul style="list-style-type: none"> <li>Provision of drainage to remove excess water followed by earthing up in vegetables.</li> <li>On clear/dry weather, spray Boom (organic liquid manure) @ 4ml/lit of water for proper growth and development.</li> <li>On clear day, spray Azadirachtin 0.15EC @ 6ml/lit water against insect pests</li> <li>In cucurbitaceous crops like bottle gourd, cucumber, ridge gourd etc, earthing up to be done followed by manuring; and stacking should be followed and trained on a bower system made of bamboo + sticks.</li> <li><b>Seed treatment: Before sowing treat seed with trichoderma viridi1% WP @ 10g/kg seed.</b></li> </ul>
<b>HORTICULTURAL CROPS</b>			
Pineapple	Vegetative		<ul style="list-style-type: none"> <li><b>Earthing-up and removal of excess suckers for better plant establishment and anchorage.</b></li> </ul>
Citrus	Fruiting	Citrus scab/ leaf miner	<ul style="list-style-type: none"> <li>Spray of Difenocomazole <a href="#">25EC@0.05%</a> against citrus scab in Khasi Mandarin. Mix sticker 1ml/lit in case of rain.</li> <li><b>Spray Imidacloprid <a href="#">17.8%SL@0.2ml/lit</a> of water against citrus leaf miner.</b></li> </ul>
Banana	Vegetative		<ul style="list-style-type: none"> <li>Planting of banana making pit maintaining at a spacing of 2.5 X 2.5 meter plant to plant and row to row distance.</li> <li><b>Denavelling (removal of male bud) to improve bunch weight</b></li> <li><b>Bagging of bunches to protect against unusual rainfall.</b></li> </ul>
Orchards			<ul style="list-style-type: none"> <li>Prepare half moon terraces in fruit crops (orange/banana/apple/peach) grown in steep slopes to prevent nutrient loss during heavy downpour.</li> <li>Follow proper drainage and earthing up practices in low land/plain areas to avoid water stagnation in fruit orchards</li> </ul>
Large Cardamom	Sowing		<ul style="list-style-type: none"> <li>Should be sown in Primary nursery bed at 2cm deep and 10 cm apart followed by mulching &amp; regular light irrigation.</li> <li>The duration of primary nursery being 3-4 months.</li> </ul>
<b>Honey Bees</b>			
Honey bees			<ul style="list-style-type: none"> <li>Provide sugar syrup near the box</li> <li>Add insulation and ventilation systems</li> </ul>
<b>LIVESTOCKS</b>			
Livestock	Stage	Disease	Precautionary Practices to be followed

<b>Fishery</b>	<b>Fingerlings</b>		<ul style="list-style-type: none"> <li>• <b>Broadcasting of Mustard Oil Cake (MOC) @ 5kg/pond twice daily advocated for healthy fingerlings</b></li> </ul>
Pigs	All stages	FMD (high fever and appearance of mucous membrane of the mouth and foot.)	<ul style="list-style-type: none"> <li>• Animals should be given lukewarm feed and water.</li> <li>• Keep the houses dry and clean.</li> <li>• 1<sup>st</sup> injection at 6 months of age and 2<sup>nd</sup> injection at 12 months of age followed by annual vaccination under vet supervision</li> </ul>
Poultry	All stages		<ul style="list-style-type: none"> <li>• Follow 'All in All out' system of rearing and do not rear birds of different age groups together.</li> <li>• Avoid overcrowding.</li> <li>• Provide adequate clean drinking water+electrolyte and multi-vitamins</li> <li>• Give broad-spectrum antihelmintic drugs as per prescribed doses.</li> <li>• Vaccination as per the schedule with proper consultation with vet. <ul style="list-style-type: none"> <li>➤ 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> </li> <li>• Remove wet litter/provide artificial heating and light</li> </ul>
Cattle	All stages	FMD	<ul style="list-style-type: none"> <li>• 1<sup>st</sup> injection at 6-8 weeks of age, 2<sup>nd</sup> injection after 6 months of 1<sup>st</sup> injection followed by annual vaccination under vet supervision</li> <li>• Separate sick animals</li> <li>• The animal should be washed with lukewarm water added with little potash (KMnO<sub>4</sub>) or neem leaves</li> <li>• Long hair near the udder/stomach/back legs should be teamed short.</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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**Agrometeorological Field Unit  
ICAR, BASAR**

# कृषि मौसम सलाहकार सेवा पत्रिका

## Agro-met Advisory Bulletin

(Period: 27<sup>th</sup> to 30<sup>th</sup> May 2017)

ग्रामीण कृषि मौसम सेवा



**GRAMIN KRISHI MAUSAM SEWA**  
(Integrated Agro-Meteorological Advisory Services)

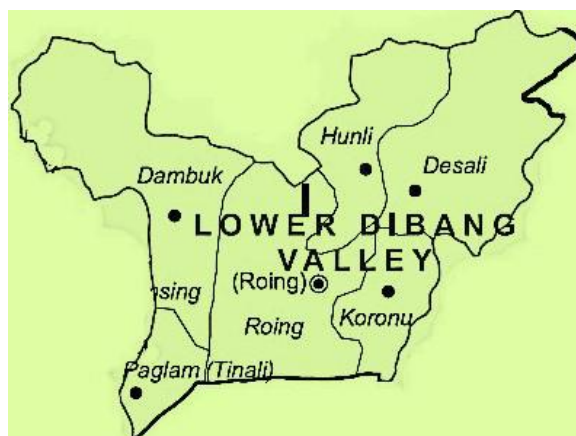


AMFU, ICAR Research Complex for NEH Region  
Arunachal Pradesh Centre, Basar-791101

**District: Lower Dibang Valley**

No: 42/2017/Fri

Dated: 26<sup>th</sup> May, 2017



Weather summary of the previous week	Weather forecast valid up to 31 <sup>st</sup> May, 2017
Rainfall = 73.4 mm (Roing)	<b>Partly cloudy with possibility of moderate/rather heavy rainfall.</b> Daily maximum and minimum temperature for the following period is predicted to be 22-26°C and 15-16°C respectively. Expected morning and evening relative humidity will be 69-85% and 32-45% respectively. Wind direction is mainly E with speed range of 4-6 kmph.
<b>Warning:</b>	<ul style="list-style-type: none"><li>• <b>Heavy rainfall is very likely to occur at isolated places on 27<sup>th</sup> and 30<sup>th</sup> May</b></li></ul>

### Weather Based Agro-meteorological Advisories Bulletin

#### General Recommendations

- **Disinfecting the animal/bird sheds with lime powder/ bleaching powder/ 4%NaOH at regular interval is advocated**
- **Spraying operation should be done only on dry/clear weather**
- **Go for low cost polyhouses for year round cultivation of vegetables**
- **Obtain seeds from reputed/certified/reliable source**
- **Use fertilizers/pesticides as per recommended doses for the location**
- **Preference must be given on use of organic manures/bio-fertilizers & bio-pesticides**
- **ICAR Basar recommend poultry variety VANARAJA for backyard rearing**



Crop	Stage	Pest/Disease	Precautionary Practices to be followed
<b>FIELD CROPS</b>			
Maize	Knee height		<ul style="list-style-type: none"> <li>Carry out thinning and earthing up in maize without delay</li> </ul>
Soybean	Sowing		<ul style="list-style-type: none"> <li>Right time for sowing of soybean</li> <li>Carry out seed dressing/treatment with Thiram or Carbendazim @ 2g/kg seed before sowing</li> </ul>
Rice	Nursery/transplanting	Stem borer	<ul style="list-style-type: none"> <li>Cut the tips of the leaves before transplanting reduces the population of stem borer as the eggs are laid on that site. It will reduce the carryover of the infestation to the main field.</li> <li>Rice: Spray Triazophos 40EC @ 4 ml/lit against stem borer in rice nursery as well as in main field during sunny days</li> </ul>
Jhum field	Tillering		<ul style="list-style-type: none"> <li>Manual weeding advocated</li> <li>Top dressing of urea one third of recommended dose can be carried out in upland/jhum rice</li> </ul>
Finger millet	Sowing		<ul style="list-style-type: none"> <li>Sowing of short duration finger millet varieties like VL-324 &amp; VR-708 can be carried out without delay.</li> </ul>
<b>VEGETABLES</b>			
Pre-summer vegetables	Seedling/vegetative		<ul style="list-style-type: none"> <li>Provision of drainage to remove excess water followed by earthing up in vegetables.</li> <li>On clear/dry weather, spray Boom (organic liquid manure) @ 4ml/lit of water for proper growth and development.</li> <li>On clear day, spray Azadirachtin 0.15EC @ 6ml/lit water against insect pests</li> <li>In cucurbitaceous crops like bottle gourd, cucumber, ridge gourd etc, earthing up to be done followed by manuring; and stacking should be followed and trained on a bower system made of bamboo + sticks.</li> <li><b>Seed treatment: Before sowing treat seed with trichoderma viridi 1% WP @ 10g/kg seed.</b></li> </ul>
<b>HORTICULTURAL CROPS</b>			
Pineapple	Vegetative		<ul style="list-style-type: none"> <li>Earthing-up and removal of excess suckers for better plant establishment and anchorage.</li> </ul>
Citrus	Fruiting	Citrus scab/ leaf miner	<ul style="list-style-type: none"> <li>Spray of Difenocomazole <a href="#">25EC@0.05%</a> against citrus scab in Khasi Mandarin. Mix sticker 1ml/lit in case of rain.</li> <li>Spray Imidacloprid <a href="#">17.8%SL@0.2ml/lit</a> of water against citrus leaf miner.</li> </ul>
Banana	Vegetative		<ul style="list-style-type: none"> <li>Planting of banana making pit maintaining at a spacing of 2.5 X 2.5 meter plant to plant and row to row distance.</li> <li>Denavelling (removal of male bud) to improve bunch weight</li> <li>Bagging of bunches to protect against unusual rainfall.</li> </ul>
Orchards			<ul style="list-style-type: none"> <li>Prepare half moon terraces in fruit crops (orange/banana/apple/peach) grown in steep slopes to prevent nutrient loss during heavy downpour.</li> <li>Follow proper drainage and earthing up practices in low land/plain areas to avoid water stagnation in fruit orchards</li> </ul>
Large Cardamom	Sowing		<ul style="list-style-type: none"> <li>Should be sown in Primary nursery bed at 2cm deep and 10 cm apart followed by mulching &amp; regular light irrigation.</li> <li>The duration of primary nursery being 3-4 months.</li> </ul>
<b>Honey Bees</b>			
Honey bees			<ul style="list-style-type: none"> <li>Box must be covered with straw/dry leaves to provide warmth</li> </ul>
<b>LIVESTOCKS</b>			
Livestock	Stage	Disease	Precautionary Practices to be followed
Fishery	Fingerlings		<ul style="list-style-type: none"> <li>Broadcasting of Mustard Oil Cake (MOC) @ 5kg/pond twice daily advocated for healthy fingerlings</li> </ul>
Pigs	All stages	FMD (high fever and appearance of mucous membrane of the mouth and foot.)	<ul style="list-style-type: none"> <li>Animals should be given lukewarm feed and water.</li> <li>Keep the houses dry and clean.</li> <li>1<sup>st</sup> injection at 6 months of age and 2<sup>nd</sup> injection at 12 months of age followed by annual vaccination under vet supervision</li> </ul>

Poultry	All stages		<ul style="list-style-type: none"> <li>• Give broad-spectrum antihelmintic drugs as per prescribed doses.</li> <li>• Follow 'All in All out' system of rearing and do not rear birds of different age groups together.</li> <li>• Avoid overcrowding.</li> <li>• Provide adequate clean drinking water+electrolyte and multi-vitamins</li> <li>• Vaccination as per the schedule with proper consultation with vet. <ul style="list-style-type: none"> <li>➤ 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> </li> <li>• Remove wet litter/provide artificial heating and light</li> </ul>
Cattle	All stages	FMD	<ul style="list-style-type: none"> <li>• 1<sup>st</sup> injection at 6-8 weeks of age, 2<sup>nd</sup> injection after 6 months of 1<sup>st</sup> injection followed by annual vaccination under vet supervision</li> <li>• Separate sick animals</li> <li>• The animal should be washed with lukewarm water added with little potash (KMnO<sub>4</sub>) or neem leaves</li> <li>• Long hair near the udder/stomach/back legs should be teamed short.</li> </ul>

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**Agrometeorological Field Unit  
ICAR, BASAR**

# कृषि मौसम सलाहकार सेवा पत्रिका

## Agro-met Advisory Bulletin

(Period: 27<sup>th</sup> to 30<sup>th</sup> May 2017)

ग्रामीण कृषि मौसम सेवा



**GRAMIN KRISHI MAUSAM SEWA**  
(Integrated Agro-Meteorological Advisory Services)



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

**District: Lower Subansiri**

No: 42/2017/Fri

Dated: 26<sup>th</sup> May, 2017



Weather summary of the previous week	Weather forecast valid up to 31 <sup>st</sup> May 2017
Rainfall = NA (Ziro)	<b>Partly cloudy with possibility of light/moderate rainfall.</b> Daily maximum and minimum temperature for the following period is predicted to be 19-23°C and 12-13°C respectively. Expected morning and evening relative humidity will be 86-94% and 51-77% respectively. Wind direction is mainly SE with speed range of 2-4 kmph.
<b>Warning:</b>	<b>• Heavy rainfall is very likely to occur at isolated places on 27<sup>th</sup> and 30<sup>th</sup> May</b>

### Weather Based Agro-meteorological Advisories Bulletin

- Disinfecting the animal/bird sheds with lime powder/ bleaching powder/ 4%NaOH at regular interval is advocated
- Spraying operation should be done only on dry/clear weather
- Go for low cost polyhouses for year round cultivation of vegetables
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Crop	Stage	Pest/Disease	Precautionary Practices to be followed
<b>FIELD CROPS</b>			
Rice	Nursery/transplanting	Stem borer	<ul style="list-style-type: none"> <li>Cut the tips of the leaves before transplanting reduces the population of stem borer as the eggs are laid on that site. It will reduce the carryover of the infestation to the main field.</li> <li>Rice: Spray Triazophos 40EC @ 4 ml/lit against stem borer in rice nursery as well as in main field during sunny days</li> </ul>
Jhum field	Tillering		<ul style="list-style-type: none"> <li>Manual weeding advocated</li> <li>Top dressing of urea one third of recommended dose can be carried out in upland/jhum rice</li> </ul>
Soybean	Sowing		<ul style="list-style-type: none"> <li><b>Right time for sowing of soybean</b></li> <li><b>Carry out seed dressing/treatment with Thiram or Carbendazim @ 2g/kg seed before sowing</b></li> </ul>
Pulses	Vegetative		<ul style="list-style-type: none"> <li><b>Apply biosulphur @2ml/lit water to enhance yield</b></li> </ul>
Maize	Knee height		<ul style="list-style-type: none"> <li><b>Carry out thinning and earthing up in maize without delay</b></li> </ul>
Finger millet	Sowing		<ul style="list-style-type: none"> <li>Sowing of short duration finger millet varieties like VL-324 &amp; VR-708 can be carried out without delay.</li> </ul>
<b>VEGETABLES</b>			
Pre-summer vegetables	Seedling/vegetative		<ul style="list-style-type: none"> <li>Provision of drainage to remove excess water followed by earthing up in vegetables.</li> <li>On clear/dry weather, spray Boom (organic liquid manure) @ 4ml/lit of water for proper growth and development.</li> <li>On clear day, spray Azadirachtin 0.15EC@ 6ml/lit water against insect pests</li> <li>In cucurbitaceous crops like bottle gourd, cucumber, ridge gourd etc, earthing up to be done followed by manuring; and stacking should be followed and trained on a bower system made of bamboo + sticks.</li> <li><b>Seed treatment: Before sowing treat seed with trichoderma viridi1% WP @ 10g/kg seed.</b></li> </ul>
<b>HORTICULTURAL CROPS</b>			
Pineapple	Vegetative		<ul style="list-style-type: none"> <li><b>Earthing-up and removal of excess suckers for better plant establishment and anchorage.</b></li> </ul>
Citrus	Fruiting	Citrus scab/ leaf miner	<ul style="list-style-type: none"> <li>Spray of Difenocomazole <a href="#">25EC@0.05%</a> against citrus scab in Khasi Mandarin. Mix sticker 1ml/lit in case of rain.</li> <li><b>Spray Imidacloprid <a href="#">17.8%SL@0.2ml/lit</a> of water against citrus leaf miner.</b></li> </ul>
Banana	Vegetative		<ul style="list-style-type: none"> <li>Planting of banana making pit maintaining at a spacing of 2.5 X 2.5 meter plant to plant and row to row distance.</li> <li><b>Denavelling (removal of male bud) to improve bunch weight</b></li> <li><b>Bagging of bunches to protect against unusual rainfall.</b></li> </ul>
Orchards			<ul style="list-style-type: none"> <li>Prepare half moon terraces in fruit crops (orange/banana/apple/peach) grown in steep slopes to prevent nutrient loss during heavy downpour.</li> <li>Follow proper drainage and earthing up practices in low land/plain areas to avoid water stagnation in fruit orchards</li> </ul>
Large Cardamom	Sowing		<ul style="list-style-type: none"> <li>Should be sown in Primary nursery bed at 2cm deep and 10 cm apart followed by mulching &amp; regular light irrigation.</li> <li>The duration of primary nursery being 3-4 months.</li> </ul>
<b>Agroforestry</b>			
Toko palm	Nursery		Filling of nursery polybags for raising of takopalm seedlings
<b>Honey Bees</b>			
Honey bees			<ul style="list-style-type: none"> <li>Box must be covered with straw/dry leaves to provide warmth</li> </ul>
<b>LIVESTOCKS</b>			
Livestock	Stage	Disease	Precautionary Practices to be followed
Fishery	Fingerlings		<ul style="list-style-type: none"> <li><b>Broadcasting of Mustard Oil Cake (MOC) @ 5kg/pond twice daily advocated for healthy fingerlings</b></li> </ul>

Pigs	All stages	FMD (high fever and appearance of mucous membrane of the mouth and foot.)	<ul style="list-style-type: none"> <li>Animals should be given lukewarm feed and water.</li> <li>Keep the houses dry and clean.</li> <li>1<sup>st</sup> injection at 6 months of age and 2<sup>nd</sup> injection at 12 months of age followed by annual vaccination under vet supervision</li> </ul>
Poultry	All stages		<ul style="list-style-type: none"> <li>Give broad-spectrum antihelmintic drugs as per prescribed doses.</li> <li>Follow 'All in All out' system of rearing and do not rear birds of different age groups together.</li> <li>Avoid overcrowding.</li> <li>Provide adequate clean drinking water+electrolyte and multi-vitamins</li> <li>Vaccination as per the schedule with proper consultation with vet. <ul style="list-style-type: none"> <li>➤ 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> </li> <li>Remove wet litter/provide artificial heating and light</li> </ul>
Cattle	All stages	FMD	<ul style="list-style-type: none"> <li>1<sup>st</sup> injection at 6-8 weeks of age, 2<sup>nd</sup> injection after 6 months of 1<sup>st</sup> injection followed by annual vaccination under vet supervision</li> <li>Separate sick animals</li> <li>The animal should be washed with lukewarm water added with little potash (KMnO<sub>4</sub>) or neem leaves</li> <li>Long hair near the udder/stomach/back legs should be teamed short.</li> </ul>
Mithun		FMD	<ul style="list-style-type: none"> <li>Polyvalent FMD vaccine with serotype O, A and Asia at 6 months of age and repeat after that 6 months interval by sub-cutaneous route.</li> <li>Pregnant animals above 7 months of pregnancy should be avoided.</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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Contact: - [IAAS.BASAR@gmail.com](mailto:IAAS.BASAR@gmail.com), Phone Number: - 03795-226247/37, -96 (Fax)

**Agrometeorological Field Unit  
ICAR, BASAR**

# कृषि मौसम सलाहकार सेवा पत्रिका

## Agro-met Advisory Bulletin

(Period: 27<sup>th</sup> to 30<sup>th</sup> May 2017)

ग्रामीण कृषि मौसम सेवा



**GRAMIN KRISHI MAUSAM SEWA**  
(Integrated Agro-Meteorological Advisory Services)



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

**District: Papum Pare**

**No: 42/2017/Fri**

**Dated: 26<sup>th</sup> May, 2017**



Weather summary of the previous week	Weather forecast valid up to 31 <sup>st</sup> May 2017
Rainfall: 86.2 mm; T. Max: 29.0°C; T. Min: 21.0°C ; RH: 86-96%	<b>Partly cloudy with possibility of light/moderate rainfall till 29<sup>th</sup> May.</b> Daily maximum and minimum temperature for the following period is predicted to be 28-32°C and 22-24°C respectively. Expected morning and evening relative humidity will be 76-92% and 40-55% respectively. Expected wind direction is variable with speed range of 2-3 kmph.
<b>Warning:</b>	<b>• Heavy rainfall is very likely to occur at isolated places on 27<sup>th</sup> and 30<sup>th</sup> May</b>

### Weather Based Agro-meteorological Advisories Bulletin

#### General Recommendations

- **Disinfecting the animal/bird sheds with lime powder/ bleaching powder/ 4%NaOH at regular interval is advocated**
- **Spraying operation should be done only on dry/clear weather**
- **Go for low cost polyhouses for year round cultivation of vegetables**
- **Obtain seeds from reputed/certified/reliable source**
- **Use fertilizers/pesticides as per recommended doses for the location**
- **Preference must be given on use of organic manures/bio-fertilizers & bio-pesticides**
- **ICAR Basar recommend poultry variety VANARAJA for backyard rearing**

Crop	Stage	Pest/Disease	Precautionary Practices to be followed
<b>FIELD CROPS</b>			
Rice	Nursery/transplanting	Stem borer	<ul style="list-style-type: none"> <li>Cut the tips of the leaves before transplanting reduces the population of stem borer as the eggs are laid on that site. It will reduce the carryover of the infestation to the main field.</li> <li>Rice: Spray Triazophos 40EC @ 4 ml/lit against stem borer in rice nursery as well as in main field during sunny days</li> </ul>
Jhum field	Tillering		<ul style="list-style-type: none"> <li>Manual weeding advocated</li> <li>Top dressing of urea one third of recommended dose can be carried out in upland/jhum rice</li> </ul>
Soybean	Sowing		<ul style="list-style-type: none"> <li><b>Right time for sowing of soybean</b></li> <li><b>Carry out seed dressing/treatment with Thiram or Carbendazim @ 2g/kg seed before sowing</b></li> </ul>
Pulses	Vegetative		<ul style="list-style-type: none"> <li><b>Apply biosulphur @2ml/lit water to enhance yield</b></li> </ul>
Maize	Knee height		<ul style="list-style-type: none"> <li><b>Carry out thinning and earthing up in maize without delay</b></li> </ul>
Finger millet	Sowing		<ul style="list-style-type: none"> <li>Sowing of short duration finger millet varieties like VL-324 &amp; VR-708 can be carried out without delay.</li> </ul>
<b>VEGETABLES</b>			
Pre-summer vegetables	Seedling/vegetative		<ul style="list-style-type: none"> <li>Provision of drainage to remove excess water followed by earthing up in vegetables.</li> <li>On clear/dry weather, spray Boom (organic liquid manure) @ 4ml/lit of water for proper growth and development.</li> <li>On clear day, spray Azadirachtin 0.15EC@ 6ml/lit water against insect pests</li> <li>In cucurbitaceous crops like bottle gourd, cucumber, ridge gourd etc, earthing up to be done followed by manuring; and stacking should be followed and trained on a bower system made of bamboo + sticks.</li> <li><b>Seed treatment: Before sowing treat seed with trichoderma viridi1% WP @ 10g/kg seed.</b></li> </ul>
<b>HORTICULTURAL CROPS</b>			
Pineapple	Vegetative		<ul style="list-style-type: none"> <li><b>Earthing-up and removal of excess suckers for better plant establishment and anchorage.</b></li> </ul>
Orchards			<ul style="list-style-type: none"> <li>Prepare half moon terraces in fruit crops (orange/banana/apple/peach) grown in steep slopes to prevent nutrient loss during heavy downpour.</li> <li>Follow proper drainage and earthing up practices in low land/plain areas to avoid water stagnation in fruit orchards</li> </ul>
Banana	Vegetative		<ul style="list-style-type: none"> <li>Planting of banana making pit maintaining at a spacing of 2.5 X 2.5 meter plant to plant and row to row distance.</li> <li><b>Denavelling (removal of male bud) to improve bunch weight</b></li> <li><b>Bagging of bunches to protect against unusual rainfall.</b></li> </ul>
Citrus	Fruiting	Citrus scab/ leaf miner	<ul style="list-style-type: none"> <li>Spray of Difenocomazole <a href="#">25EC@0.05%</a> against citrus scab in Khasi Mandarin. Mix sticker 1ml/lit in case of rain.</li> <li><b>Spray Imidacloprid <a href="#">17.8%SL@0.2ml/lit</a> of water against citrus leaf miner.</b></li> </ul>
Large Cardamom	Sowing		<ul style="list-style-type: none"> <li>Should be sown in Primary nursery bed at 2cm deep and 10 cm apart followed by mulching &amp; regular light irrigation.</li> <li>The duration of primary nursery being 3-4 months.</li> </ul>
<b>Honey Bees</b>			
Honey bees			<ul style="list-style-type: none"> <li>Box must be covered with straw/dry leaves to provide warmth</li> </ul>
<b>LIVESTOCKS</b>			
<b>Livestock</b>	<b>Stage</b>	<b>Disease</b>	<b>Precautionary Practices to be followed</b>
<b>Fishery</b>	<b>Fingerlings</b>		<ul style="list-style-type: none"> <li><b>Broadcasting of Mustard Oil Cake (MOC) @ 5kg/pond twice daily advocated for healthy fingerlings</b></li> </ul>
Cattle	All stages	FMD	<ul style="list-style-type: none"> <li>1<sup>st</sup> injection at 6-8 weeks of age, 2<sup>nd</sup> injection after 6 months of 1<sup>st</sup> injection followed by annual vaccination under vet supervision</li> <li>Separate sick animals</li> </ul>

			<ul style="list-style-type: none"> <li>The animal should be washed with lukewarm water added with little potash (KMnO<sub>4</sub>) or neem leaves</li> <li>Long hair near the udder/stomach/back legs should be teamed short.</li> </ul>
Pigs	All stages	FMD (high fever and appearance of mucous membrane of the mouth and foot.)	<ul style="list-style-type: none"> <li>1<sup>st</sup> injection at 6 months of age and 2<sup>nd</sup> injection at 12 months of age followed by annual vaccination under vet supervision</li> </ul>
Poultry	All stages		<ul style="list-style-type: none"> <li>Give broad-spectrum antihelmintic drugs as per prescribed doses.</li> <li>Follow 'All in All out' system of rearing and do not rear birds of different age groups together.</li> <li>Avoid overcrowding.</li> <li>Provide adequate clean drinking water+electrolyte and multi-vitamins</li> <li>Vaccination as per the schedule with proper consultation with vet. <ul style="list-style-type: none"> <li>➤ 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> </li> <li>Remove wet litter/provide artificial heating and light</li> </ul>
Mithun		FMD	<ul style="list-style-type: none"> <li>Polyvalent FMD vaccine with serotype O, A and Asia at 6 months of age and repeat after that 6 months interval by sub-cutaneous route.</li> <li>Pregnant animals above 7 months of pregnancy should be avoided.</li> </ul>

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**Agrometeorological Field Unit  
ICAR, BASAR**



# कृषि मौसम सलाहकार सेवा पत्रिका

## Agro-met Advisory Bulletin

(Period: 27<sup>th</sup> to 30<sup>th</sup> May 2017)

ग्रामीण कृषि मौसम सेवा



**GRAMIN KRISHI MAUSAM SEWA**  
(Integrated Agro-Meteorological Advisory Services)



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

**District: Tawang**

No: 42/2017/Fri

Dated: 26<sup>th</sup> May, 2017



Weather summary of the previous week	Weather forecast valid up to 31 <sup>st</sup> May 2017
Rainfall = 1.0 mm	Partly cloudy with possibility of light/moderate rainfall. Daily maximum and minimum temperature for the following period is predicted to be 15-17°C and 9-10°C respectively. Expected morning and evening relative humidity will be 76-84% and 45-69% respectively. Wind direction is mostly E with probable speed range of 4-6 kmph.
<b>Warning:</b>	<b>• Heavy rainfall is very likely to occur at isolated places on 27<sup>th</sup> and 30<sup>th</sup> May</b>

### Weather Based Agro-meteorological Advisories Bulletin

#### General Recommendations

- Disinfecting the animal/bird sheds with lime powder/ bleaching powder/ 4%NaOH at regular interval is advocated
- All spraying operation should be done only on dry/clear weather
- Go for low cost polyhouses for year round cultivation of vegetables
- Obtain seeds from reputed/certified/reliable source
- Use fertilizers/pesticides as per recommended doses for the location
- Preference must be given on use of organic manures/bio-fertilizers & bio-pesticides
- ICAR Basar recommend poultry variety VANARAJA for backyard rearing

Crop	Stage	Pest/Disease	Precautionary Practices to be followed
<b>FIELD CROPS</b>			
Rice	Nursery/transplanting	Stem borer	<ul style="list-style-type: none"> <li>Cut the tips of the leaves before transplanting reduces the population of stem borer as the eggs are laid on that site. It will reduce the carryover of the infestation to the main field.</li> <li>Rice: Spray Triazophos 40EC @ 4 ml/lit against stem borer in rice nursery as well as in main field during sunny days</li> </ul>
Jhum field	Tillering		<ul style="list-style-type: none"> <li>Manual weeding advocated</li> <li>Top dressing of urea one third of recommended dose can be carried out in upland/jhum rice</li> </ul>
Soybean	Sowing		<ul style="list-style-type: none"> <li><b>Right time for sowing of soybean</b></li> <li><b>Carry out seed dressing/treatment with Thiram or Carbendazim @ 2g/kg seed before sowing</b></li> </ul>
Maize	Knee height		<ul style="list-style-type: none"> <li><b>Carry out thinning and earthing up in maize without delay</b></li> </ul>
Finger millet	Sowing		<ul style="list-style-type: none"> <li>Sowing of short duration finger millet varieties like VL-324 &amp; VR-708 can be carried out without delay.</li> </ul>
<b>VEGETABLES</b>			
Pre-summer vegetables	Seedling/vegetative		<ul style="list-style-type: none"> <li>Provision of drainage to remove excess water followed by earthing up in vegetables.</li> <li>On clear/dry weather, spray Boom (organic liquid manure) @ 4ml/lit of water for proper growth and development.</li> <li>On clear day, spray Azadirachtin 0.15EC@ 6ml/lit water against insect pests</li> <li>In cucurbitaceous crops like bottle gourd, cucumber, ridge gourd etc, earthing up to be done followed by manuring; and stacking should be followed and trained on a bower system made of bamboo + sticks.</li> <li><b>Seed treatment: Before sowing treat seed with trichoderma viridi1% WP @ 10g/kg seed.</b></li> </ul>
<b>HORTICULTURAL CROPS</b>			
Pineapple	Vegetative		<ul style="list-style-type: none"> <li><b>Earthing-up and removal of excess suckers for better plant establishment and anchorage.</b></li> </ul>
Citrus	Fruiting	Citrus scab/ leaf miner	<ul style="list-style-type: none"> <li>Spray of Difenocomazole <a href="#">25EC@0.05%</a> against citrus scab in Khasi Mandarin. Mix sticker 1ml/lit in case of rain.</li> <li><b>Spray Imidacloprid <a href="#">17.8%SL@0.2ml/lit</a> of water against citrus leaf miner.</b></li> </ul>
Orchards			<ul style="list-style-type: none"> <li>Prepare half moon terraces in fruit crops (orange/banana/apple/peach) grown in steep slopes to prevent nutrient loss during heavy downpour.</li> <li>Follow proper drainage and earthing up practices in low land/plain areas to avoid water stagnation in fruit orchards</li> </ul>
Large Cardamom	Sowing		<ul style="list-style-type: none"> <li>Should be sown in Primary nursery bed at 2cm deep and 10 cm apart followed by mulching &amp; regular light irrigation.</li> <li>The duration of primary nursery being 3-4 months.</li> </ul>
<b>Honey Bees</b>			
Honey bees			<ul style="list-style-type: none"> <li>Provide sugar syrup near the box</li> <li>Add insulation and ventilation systems</li> </ul>
<b>LIVESTOCKS</b>			
Livestock	Stage	Disease	Precautionary Practices to be followed
Pigs	All stages	FMD (high fever and appearance of mucous membrane of the mouth and foot.)	<ul style="list-style-type: none"> <li>Animals should be given lukewarm feed and water.</li> <li>Keep the houses dry and clean.</li> <li>1<sup>st</sup> injection at 6 months of age and 2<sup>nd</sup> injection at 12 months of age followed by annual vaccination under vet supervision</li> </ul>
Poultry	All stages		<ul style="list-style-type: none"> <li>Give broad-spectrum antihelmintic drugs as per prescribed doses.</li> <li>Follow 'All in All out' system of rearing and do not rear birds of different age groups together.</li> <li>Avoid overcrowding.</li> <li>Provide adequate clean drinking water+electrolyte and multi-vitamins</li> </ul>

			<ul style="list-style-type: none"> <li>• Vaccination as per the schedule with proper consultation with vet. <ul style="list-style-type: none"> <li>➤ 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> </li> <li>• Remove wet litter/provide artificial heating and light</li> </ul>
Cattle	All stages	FMD	<ul style="list-style-type: none"> <li>• 1<sup>st</sup> injection at 6-8 weeks of age, 2<sup>nd</sup> injection after 6 months of 1<sup>st</sup> injection followed by annual vaccination under vet supervision</li> <li>• Separate sick animals</li> <li>• The animal should be washed with lukewarm water added with little potash (KMnO<sub>4</sub>) or neem leaves</li> <li>• Long hair near the udder/stomach/back legs should be teamed short.</li> </ul>
Mithun		FMD	<ul style="list-style-type: none"> <li>• Polyvalent FMD vaccine with serotype O, A and Asia at 6 months of age and repeat after that 6 months interval by sub-cutaneous route.</li> <li>• Pregnant animals above 7 months of pregnancy should be avoided.</li> </ul>

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**Agrometeorological Field Unit  
ICAR, BASAR**

# कृषि मौसम सलाहकार सेवा पत्रिका

## Agro-met Advisory Bulletin

(Period: 27<sup>th</sup> to 30<sup>th</sup> May 2017)

ग्रामीण कृषि मौसम सेवा



**GRAMIN KRISHI MAUSAM SEWA**  
(Integrated Agro-Meteorological Advisory Services)



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

**District: Tirap**

No: 42/2017/Fri

Dated: 26<sup>th</sup> May, 2017



Weather summary of the previous week	Weather forecast valid up to 31 <sup>st</sup> May, 2017
Rainfall = 37.2 mm (Deomali)	Variable weather with possibility of light rainfall till 28 <sup>th</sup> May and no rain afterwards. Daily maximum and minimum temperature for the following period is predicted to be 26-32°C and 23-25°C respectively. Expected morning and evening relative humidity will be 87-94% and 50-71% respectively. Wind direction is mainly ESE and SE with speed range of 2 kmph.
<b>Warning:</b>	<ul style="list-style-type: none"><li>Heavy rainfall is very likely to occur at isolated places on 27<sup>th</sup> and 30<sup>th</sup> May</li></ul>

### Weather Based Agro-meteorological Advisories Bulletin

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- ICAR Basar recommend poultry variety VANARAJA for backyard rearing

Crop	Stage	Pest/Disease	Precautionary Practices to be followed
<b>FIELD CROPS</b>			
Rice	Nursery/transplanting	Stem borer	<ul style="list-style-type: none"> <li>Cut the tips of the leaves before transplanting reduces the population of stem borer as the eggs are laid on that site. It will reduce the carryover of the infestation to the main field.</li> <li>Rice: Spray Triazophos 40EC @ 4 ml/lit against stem borer in rice nursery as well as in main field during sunny days</li> </ul>
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Soybean	Sowing		<ul style="list-style-type: none"> <li><b>Right time for sowing of soybean</b></li> <li><b>Carry out seed dressing/treatment with Thiram or Carbendazim @ 2g/kg seed before sowing</b></li> </ul>
Maize	Knee height		<ul style="list-style-type: none"> <li><b>Carry out thinning and earthing up in maize without delay</b></li> </ul>
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<b>HORTICULTURAL CROPS</b>			
Pineapple	Vegetative		<ul style="list-style-type: none"> <li><b>Earthing-up and removal of excess suckers for better plant establishment and anchorage.</b></li> </ul>
Citrus	Fruiting	Citrus scab/ leaf miner	<ul style="list-style-type: none"> <li>Spray of Difenocomazole <a href="#">25EC@0.05%</a> against citrus scab in Khasi Mandarin. Mix sticker 1ml/lit in case of rain.</li> <li><b>Spray Imidacloprid <a href="#">17.8%SL@0.2ml/lit</a> of water against citrus leaf miner.</b></li> </ul>
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Orchards			<ul style="list-style-type: none"> <li>Prepare half moon terraces in fruit crops (orange/banana/apple/peach) grown in steep slopes to prevent nutrient loss during heavy downpour.</li> <li>Follow proper drainage and earthing up practices in low land/plain areas to avoid water stagnation in fruit orchards</li> </ul>
Large Cardamom	Sowing		<ul style="list-style-type: none"> <li>Should be sown in Primary nursery bed at 2cm deep and 10 cm apart followed by mulching &amp; regular light irrigation.</li> <li>The duration of primary nursery being 3-4 months.</li> </ul>
<b>Honey Bees</b>			
			<ul style="list-style-type: none"> <li>Box must be covered with straw/dry leaves to provide warmth</li> </ul>
<b>LIVESTOCKS</b>			
Livestock	Stage	Disease	Precautionary Practices to be followed
Fishery	Fingerlings		<ul style="list-style-type: none"> <li><b>Broadcasting of Mustard Oil Cake (MOC) @ 5kg/pond twice daily advocated for healthy fingerlings</b></li> </ul>
Pigs	All stages	FMD (high fever and appearance of mucous membrane of the mouth and foot.)	<ul style="list-style-type: none"> <li>Keep the houses dry and clean.</li> <li>1<sup>st</sup> injection at 6 months of age and 2<sup>nd</sup> injection at 12 months of age followed by annual vaccination under vet supervision</li> </ul>

Poultry	All stages		<ul style="list-style-type: none"> <li>• Give broad-spectrum antihelmintic drugs as per prescribed doses.</li> <li>• Follow 'All in All out' system of rearing and do not rear birds of different age groups together.</li> <li>• Avoid overcrowding.</li> <li>• Provide adequate clean drinking water+electrolyte and multi-vitamins</li> <li>• Vaccination as per the schedule with proper consultation with vet. <ul style="list-style-type: none"> <li>➤ 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> </li> <li>• Remove wet litter/provide artificial heating and light</li> </ul>
Cattle	All stages	FMD	<ul style="list-style-type: none"> <li>• 1<sup>st</sup> injection at 6-8 weeks of age, 2<sup>nd</sup> injection after 6 months of 1<sup>st</sup> injection followed by annual vaccination under vet supervision</li> <li>• Separate sick animals</li> <li>• The animal should be washed with lukewarm water added with little potash (KMnO<sub>4</sub>) or neem leaves</li> <li>• Long hair near the udder/stomach/back legs should be teamed short.</li> </ul>
Mithun		FMD	<ul style="list-style-type: none"> <li>• Polyvalent FMD vaccine with serotype O, A and Asia at 6 months of age and repeat after that 6 months interval by sub-cutaneous route.</li> <li>• Pregnant animals above 7 months of pregnancy should be avoided.</li> </ul>

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

Issued jointly by ICAR-RC for NEH Region, Arunachal Pradesh Centre, Basar and India Meteorological Department  
Contact: - [IAAS.BASAR@gmail.com](mailto:IAAS.BASAR@gmail.com), Phone Number: - 03795-226247/37, -96 (Fax)

**Agrometeorological Field Unit  
ICAR, BASAR**

# कृषि मौसम सलाहकार सेवा पत्रिका

## Agro-met Advisory Bulletin

(Period: 27<sup>th</sup> to 30<sup>th</sup> May 2017)

ग्रामीण कृषि मौसम सेवा



**GRAMIN KRISHI MAUSAM SEWA**  
(Integrated Agro-Meteorological Advisory Services)



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

**District: Upper Siang**

No: 42/2017/Fri

Dated: 26<sup>th</sup> May, 2017



Weather summary of the previous week	Weather forecast valid up to 31 <sup>st</sup> May, 2017
Rainfall = 25.6 mm (Tuting)	<b>Partly cloudy with possibility of moderate rainfall.</b> Daily maximum and minimum temperature for the following period is predicted to be 20-23°C and 12-13°C respectively. Expected morning and evening relative humidity will be 68-83% and 40-49% respectively. Wind direction is mainly SE and SSE with speed range of 4-6 kmph.
<b>Warning:</b>	<b>• Heavy rainfall is very likely to occur at isolated places on 27<sup>th</sup> and 30<sup>th</sup> May</b>

### Weather Based Agro-meteorological Advisories Bulletin

#### General Recommendations

- Disinfecting the animal/bird sheds with lime powder/bleaching powder/4%NaOH at regular interval is advocated
- Spraying operation should be done only on dry/clear weather
- Go for low cost poly-houses for year round cultivation of vegetables
- Obtain seeds from reputed/certified/reliable source
- Use fertilizers/pesticides as per recommended doses for the location
- Preference must be given on use of organic manures/bio-fertilizers & bio-pesticides
- ICAR Basar recommend poultry variety VANARAJA for backyard rearing

Crop	Stage	Pest/Disease	Precautionary Practices to be followed
<b>FIELD CROPS</b>			
Rice	Nursery/transplanting	Stem borer	<ul style="list-style-type: none"> <li>Cut the tips of the leaves before transplanting reduces the population of stem borer as the eggs are laid on that site. It will reduce the carryover of the infestation to the main field.</li> <li>Rice: Spray Triazophos 40EC @ 4 ml/lit against stem borer in rice nursery as well as in main field during sunny days</li> </ul>
Jhum field	Tillering		<ul style="list-style-type: none"> <li>Manual weeding advocated</li> <li>Top dressing of urea one third of recommended dose can be carried out in upland/jhum rice</li> </ul>
Soybean	Sowing		<ul style="list-style-type: none"> <li><b>Right time for sowing of soybean</b></li> <li><b>Carry out seed dressing/treatment with Thiram or Carbendazim @ 2g/kg seed before sowing</b></li> </ul>
Maize	Knee height		<ul style="list-style-type: none"> <li><b>Carry out thinning and earthing up in maize without delay</b></li> </ul>
Finger millet	Sowing		<ul style="list-style-type: none"> <li>Sowing of short duration finger millet varieties like VL-324 &amp; VR-708 can be carried out without delay.</li> </ul>
<b>VEGETABLES</b>			
Pre-summer vegetables	Seedling/vegetative		<ul style="list-style-type: none"> <li>Provision of drainage to remove excess water followed by earthing up in vegetables.</li> <li>On clear/dry weather, spray Boom (organic liquid manure) @ 4ml/lit of water for proper growth and development.</li> <li>On clear day, spray Azadirachtin 0.15EC@ 6ml/lit water against insect pests</li> <li>In cucurbitaceous crops like bottle gourd, cucumber, ridge gourd etc, earthing up to be done followed by manuring; and stacking should be followed and trained on a bower system made of bamboo + sticks.</li> <li><b>Seed treatment: Before sowing treat seed with trichoderma viridi1% WP @ 10g/kg seed.</b></li> </ul>
<b>HORTICULTURAL CROPS</b>			
Pineapple	Vegetative		<ul style="list-style-type: none"> <li><b>Earthing-up and removal of excess suckers for better plant establishment and anchorage.</b></li> </ul>
Citrus	Fruiting	Citrus scab/ leaf miner	<ul style="list-style-type: none"> <li>Spray of Difenocomazole <a href="#">25EC@0.05%</a> against citrus scab in Khasi Mandarin. Mix sticker 1ml/lit in case of rain.</li> <li><b>Spray Imidacloprid <a href="#">17.8%SL@0.2ml/lit</a> of water against citrus leaf miner.</b></li> </ul>
Banana	Vegetative		<ul style="list-style-type: none"> <li>Planting of banana making pit maintaining at a spacing of 2.5 X 2.5 meter plant to plant and row to row distance.</li> <li><b>Denavelling (removal of male bud) to improve bunch weight</b></li> <li><b>Bagging of bunches to protect against unusual rainfall.</b></li> </ul>
Orchards			<ul style="list-style-type: none"> <li>Prepare half moon terraces in fruit crops (orange/banana/apple/peach) grown in steep slopes to prevent nutrient loss during heavy downpour.</li> <li>Follow proper drainage and earthing up practices in low land/plain areas to avoid water stagnation in fruit orchards</li> </ul>
<b>Honey Bees</b>			
Honey bees			<ul style="list-style-type: none"> <li>Box must be covered with straw/dry leaves to provide warmth</li> <li>Provide sugar syrup</li> </ul>
<b>LIVESTOCKS</b>			
Livestock	Stage	Disease	Precautionary Practices to be followed
Pigs	All stages	FMD (high fever and appearance of mucous membrane of the mouth and foot.)	<ul style="list-style-type: none"> <li>Animals should be given lukewarm feed and water.</li> <li>Keep the houses dry and clean.</li> <li>1<sup>st</sup> injection at 6 months of age and 2<sup>nd</sup> injection at 12 months of age followed by annual vaccination under vet supervision</li> </ul>
Poultry	All stages		<ul style="list-style-type: none"> <li>Provide broad-spectrum antihelminthic drugs under vet supervision and recommended doses.</li> <li>Follow 'All in All out' system of rearing and do not rear birds of different age groups together.</li> </ul>



			<ul style="list-style-type: none"> <li>• Avoid overcrowding.</li> <li>• Provide adequate clean drinking water+electrolyte and multi-vitamins</li> <li>• Vaccination as per the schedule with proper consultation with vet. <ul style="list-style-type: none"> <li>➤ 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> </li> <li>• Remove wet litter/provide artificial heating and light</li> </ul>
<b>Fishery</b>	<b>Fingerlings</b>		<ul style="list-style-type: none"> <li>• <b>Broadcasting of Mustard Oil Cake (MOC) @ 5kg/pond twice daily advocated for healthy fingerlings</b></li> </ul>
Cattle	All stages	FMD	<ul style="list-style-type: none"> <li>• 1<sup>st</sup> injection at 6-8 weeks of age, 2<sup>nd</sup> injection after 6 months of 1<sup>st</sup> injection followed by annual vaccination under vet supervision</li> <li>• Separate sick animals</li> <li>• The animal should be washed with lukewarm water added with little potash (KMnO<sub>4</sub>) or neem leaves</li> <li>• Long hair near the udder/stomach/back legs should be teamed short.</li> </ul>
Mithun		FMD	<ul style="list-style-type: none"> <li>• Polyvalent FMD vaccine with serotype O, A and Asia at 6 months of age and repeat after that 6 months interval by sub-cutaneous route.</li> <li>• Pregnant animals above 7 months of pregnancy should be avoided.</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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Contact: - [IAAS.BASAR@gmail.com](mailto:IAAS.BASAR@gmail.com), Phone Number: - 03795-226247/37, -96 (Fax)

**Agrometeorological Field Unit  
ICAR, BASAR**

# कृषि मौसम सलाहकार सेवा पत्रिका

## Agro-met Advisory Bulletin

(Period: 27<sup>th</sup> to 30<sup>th</sup> May 2017)

ग्रामीण कृषि मौसम सेवा



**GRAMIN KRISHI MAUSAM SEWA**  
(Integrated Agro-Meteorological Advisory Services)



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

**District: Upper Subansiri**

No: 42/2017/Fri

Dated: 26<sup>th</sup> May, 2017



Weather summary of the previous week	Weather forecast valid up to 31 <sup>st</sup> May 2017
Rainfall = NA (Puchi Geko); Daporjo: 3.0 mm	<b>Partly cloudy with possibility of light/moderate rainfall.</b> Daily maximum and minimum temperature for the following period is predicted to be 18-23°C and 12-13°C respectively. Expected morning and evening relative humidity will be 89-92% and 54-78% respectively. Expected wind direction is mainly SW with speed range of 3-4 kmph.
<b>Warning</b>	<b>Heavy rainfall is very likely to occur at isolated places on 27<sup>th</sup> and 30<sup>th</sup> May</b>

### Weather Based Agro-meteorological Advisories Bulletin

- Disinfecting the animal/bird sheds with lime powder/ bleaching powder/ 4%NaOH at regular interval is advocated
- Avoid spray of insecticides during flowering stage as it may hinder pollination by honey bees and other insects.
- Spraying operation should be done only on dry/clear weather
- Go for low cost polyhouses for year round cultivation of vegetables
- Obtain seeds from reputed/certified/reliable source
- Use fertilizers/pesticides as per recommended doses for the location
- Preference must be given on use of organic manures/bio-fertilizers & bio-pesticides
- ICAR Basar recommend poultry variety VANARAJA for backyard rearing

Crop	Stage	Pest/Disease	Precautionary Practices to be followed
<b>FIELD CROPS</b>			
Rice	Nursery/transplanting	Stem borer	<ul style="list-style-type: none"> <li>Cut the tips of the leaves before transplanting reduces the population of stem borer as the eggs are laid on that site. It will reduce the carryover of the infestation to the main field.</li> <li>Rice: Spray Triazophos 40EC @ 4 ml/lit against stem borer in rice nursery as well as in main field during sunny days</li> </ul>
Jhum field	Tillering		<ul style="list-style-type: none"> <li>Manual weeding advocated</li> <li>Top dressing of urea one third of recommended dose can be carried out in upland/jhum rice</li> </ul>
Soybean	Sowing		<ul style="list-style-type: none"> <li><b>Right time for sowing of soybean</b></li> <li><b>Carry out seed dressing/treatment with Thiram or Carbendazim @ 2g/kg seed before sowing</b></li> </ul>
Finger millet	Sowing		<ul style="list-style-type: none"> <li>Sowing of short duration finger millet varieties like VL-324 &amp; VR-708 can be carried out without delay.</li> </ul>
Maize	Knee height		<ul style="list-style-type: none"> <li><b>Carry out thinning and earthing up in maize without delay</b></li> </ul>
<b>VEGETABLES</b>			
Pre-summer vegetables	Seedling/vegetative		<ul style="list-style-type: none"> <li>Provision of drainage to remove excess water followed by earthing up in vegetables.</li> <li>On clear/dry weather, spray Boom (organic liquid manure) @ 4ml/lit of water for proper growth and development.</li> <li>On clear day, spray Azadirachtin 0.15EC@ 6ml/lit water against insect pests</li> <li>In cucurbitaceous crops like bottle gourd, cucumber, ridge gourd etc, earthing up to be done followed by manuring; and stacking should be followed and trained on a bower system made of bamboo + sticks.</li> <li><b>Seed treatment: Before sowing treat seed with trichoderma viridi1% WP @ 10g/kg seed.</b></li> </ul>
<b>HORTICULTURAL CROPS</b>			
Pineapple	Vegetative		<ul style="list-style-type: none"> <li><b>Earthing-up and removal of excess suckers for better plant establishment and anchorage.</b></li> </ul>
Citrus	Fruiting	Citrus scab/ leaf miner	<ul style="list-style-type: none"> <li>Spray of Difenocomazole <a href="#">25EC@0.05%</a> against citrus scab in Khasi Mandarin. Mix sticker 1ml/lit in case of rain.</li> <li><b>Spray Imidacloprid <a href="#">17.8%SL@0.2ml/lit</a> of water against citrus leaf miner.</b></li> </ul>
Banana	Vegetative		<ul style="list-style-type: none"> <li>Planting of banana making pit maintaining at a spacing of 2.5 X 2.5 meter plant to plant and row to row distance.</li> <li><b>Denavelling (removal of male bud) to improve bunch weight</b></li> <li><b>Bagging of bunches to protect against unusual rainfall.</b></li> </ul>
Orchards			<ul style="list-style-type: none"> <li>Prepare half moon terraces in fruit crops (orange/banana/apple/peach) grown in steep slopes to prevent nutrient loss during heavy downpour.</li> <li>Follow proper drainage and earthing up practices in low land/plain areas to avoid water stagnation in fruit orchards</li> </ul>
<b>Honey Bees</b>			
Honey bees			<ul style="list-style-type: none"> <li>Provide sugar syrup near the box</li> <li>Add insulation and ventilation systems</li> </ul>
<b>LIVESTOCKS</b>			
Livestock	Stage	Disease	Precautionary Practices to be followed
Fishery	Fingerlings		<ul style="list-style-type: none"> <li><b>Broadcasting of Mustard Oil Cake (MOC) @ 5kg/pond twice daily advocated for healthy fingerlings</b></li> </ul>
Cattle	All stages	FMD	<ul style="list-style-type: none"> <li>1<sup>st</sup> injection at 6-8 weeks of age, 2<sup>nd</sup> injection after 6 months of 1<sup>st</sup> injection followed by annual vaccination under vet supervision</li> <li>Separate sick animals</li> <li>The animal should be washed with lukewarm water added with little potash (KMnO<sub>4</sub>) or neem leaves</li> <li>Long hair near the udder/stomach/back legs should be teamed short.</li> </ul>
Pigs	All stages	FMD (high fever)	<ul style="list-style-type: none"> <li>Provide adequate bedding material (paddy straw, rice husk) to</li> </ul>

		and appearance of mucous membrane of the mouth and foot.)	<p>newly born piglets.</p> <ul style="list-style-type: none"> <li>• Animals should be given lukewarm feed and water.</li> <li>• All animals should be tethered in a covered shelter. Keep the houses dry and clean.</li> <li>• 1<sup>st</sup> injection at 6 months of age and 2<sup>nd</sup> injection at 12 months of age followed by annual vaccination under vet supervision</li> </ul>
Poultry	All stages		<ul style="list-style-type: none"> <li>• Provide broad-spectrum antihelminthic drugs under vet supervision and recommended doses.</li> <li>• Follow 'All in All out' system of rearing and do not rear birds of different age groups together.</li> <li>• Avoid overcrowding.</li> <li>• Provide adequate clean drinking water+electrolyte and multi-vitamins</li> <li>• Vaccination as per the schedule with proper consultation with vet. <ul style="list-style-type: none"> <li>➤ 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> </li> <li>• Remove wet litter/provide artificial heating and light</li> </ul>
Mithun		FMD	<ul style="list-style-type: none"> <li>• Polyvalent FMD vaccine with serotype O, A and Asia at 6 months of age and repeat after that 6 months interval by sub-cutaneous route.</li> <li>• Pregnant animals above 7 months of pregnancy should be avoided.</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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**Agrometeorological Field Unit  
ICAR. BASAR**

# कृषि मौसम सलाहकार सेवा पत्रिका

## Agro-met Advisory Bulletin

(Period: 27<sup>th</sup> to 30<sup>th</sup> May 2017)

ग्रामीण कृषि मौसम सेवा



**GRAMIN KRISHI MAUSAM SEWA**  
(Integrated Agro-Meteorological Advisory Services)



भा.क.अनु.प. - पू.प.सं.  
ICAR - RCNEH

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

**District: West Kameng**

No: 42/2017/Fri

Dated: 26<sup>th</sup> May, 2017



Weather summary of the previous week	Weather forecast valid up to 31 <sup>st</sup> May 2017
Rainfall = Bomdila: 0.0 mm; Bhalukpong: 79.0 mm	<b>Partly cloudy with possibility of light/moderate rainfall.</b> Daily maximum and minimum temperature for the following period is predicted to be 19-23°C and 12-13°C respectively. Expected morning and evening relative humidity will be 72-91% and 44-65% respectively. Wind direction is mainly NE with speed range of 2-5 kmph.
<b>Warning:</b>	<b>• Heavy rainfall is very likely to occur at isolated places on 27<sup>th</sup> and 30<sup>th</sup> May</b>

### Weather Based Agro-meteorological Advisories Bulletin

#### General Recommendations

- **Disinfecting the animal/bird sheds with lime powder/ bleaching powder/ 4%NaOH at regular interval is advocated**
- **Spraying operation should be done only on dry/clear weather**
- **Go for low cost polyhouses for year round cultivation of vegetables**
- **Obtain seeds from reputed/certified/reliable source**
- **Use fertilizers/pesticides as per recommended doses for the location**
- **Preference must be given on use of organic manures/bio-fertilizers & bio-pesticides**
- **ICAR Basar recommend poultry variety VANARAJA for backyard rearing**

Crop	Stage	Pest/Disease	Precautionary Practices to be followed
<b>FIELD CROPS</b>			
Rice	Nursery/transplanting	Stem borer	<ul style="list-style-type: none"> <li>Cut the tips of the leaves before transplanting reduces the population of stem borer as the eggs are laid on that site. It will reduce the carryover of the infestation to the main field.</li> <li>Rice: Spray Triazophos 40EC @ 4 ml/lit against stem borer in rice nursery as well as in main field during sunny days</li> </ul>
Jhum field	Tillering		<ul style="list-style-type: none"> <li>Manual weeding advocated</li> <li>Top dressing of urea one third of recommended dose can be carried out in upland/jhum rice</li> </ul>
Soybean	Sowing		<ul style="list-style-type: none"> <li><b>Right time for sowing of soybean</b></li> <li><b>Carry out seed dressing/treatment with Thiram or Carbendazim @ 2g/kg seed before sowing</b></li> </ul>
Finger millet	Sowing		<ul style="list-style-type: none"> <li>Sowing of short duration finger millet varieties like VL-324 &amp; VR-708 can be carried out without delay.</li> </ul>
<b>VEGETABLES</b>			
Pre-summer vegetables	Seedling/vegetative		<ul style="list-style-type: none"> <li>Provision of drainage to remove excess water followed by earthing up in vegetables.</li> <li>On clear/dry weather, spray Boom (organic liquid manure) @ 4ml/lit of water for proper growth and development.</li> <li>On clear day, spray Azadirachtin 0.15EC@ 6ml/lit water against insect pests</li> <li>In cucurbitaceous crops like bottle gourd, cucumber, ridge gourd etc, earthing up to be done followed by manuring; and stacking should be followed and trained on a bower system made of bamboo + sticks.</li> <li><b>Seed treatment: Before sowing treat seed with trichoderma viridi1% WP @ 10g/kg seed.</b></li> </ul>
<b>HORTICULTURAL CROPS</b>			
Pineapple	Vegetative		<ul style="list-style-type: none"> <li><b>Earthing-up and removal of excess suckers for better plant establishment and anchorage.</b></li> </ul>
Citrus	Fruiting	Citrus scab/ leaf miner	<ul style="list-style-type: none"> <li>Spray of Difenocomazole <a href="#">25EC@0.05%</a> against citrus scab in Khasi Mandarin. Mix sticker 1ml/lit in case of rain.</li> <li><b>Spray Imidacloprid <a href="#">17.8%SL@0.2ml/lit</a> of water against citrus leaf miner.</b></li> </ul>
Banana	Vegetative		<ul style="list-style-type: none"> <li>Planting of banana making pit maintaining at a spacing of 2.5 X 2.5 meter plant to plant and row to row distance.</li> <li><b>Denavelling (removal of male bud) to improve bunch weight</b></li> <li><b>Bagging of bunches to protect against unusual rainfall.</b></li> </ul>
Orchards			<ul style="list-style-type: none"> <li>Prepare half moon terraces in fruit crops (orange/banana/apple/peach) grown in steep slopes to prevent nutrient loss during heavy downpour.</li> <li>Follow proper drainage and earthing up practices in low land/plain areas to avoid water stagnation in fruit orchards</li> </ul>
Apple	Vegetative	Woolly aphids	<ul style="list-style-type: none"> <li>Swab the stem with mineral oil against woolly aphid.</li> </ul>
<b>Honey Bees</b>			
Honey bees			<ul style="list-style-type: none"> <li>Provide sugar syrup near the box</li> <li>Add insulation and ventilation systems</li> </ul>
<b>LIVESTOCKS</b>			
Livestock	Stage	Disease	Precautionary Practices to be followed
Fishery	Fingerlings		<ul style="list-style-type: none"> <li><b>Broadcasting of Mustard Oil Cake (MOC) @ 5kg/pond twice daily advocated for healthy fingerlings</b></li> </ul>
Cattle	All stages	FMD	<ul style="list-style-type: none"> <li>1<sup>st</sup> injection at 6-8 weeks of age, 2<sup>nd</sup> injection after 6 months of 1<sup>st</sup> injection followed by annual vaccination under vet supervision</li> <li>Separate sick animals</li> <li>The animal should be washed with lukewarm water added with little potash (KMnO<sub>4</sub>) or neem leaves</li> <li>Long hair near the udder/stomach/back legs should be teamed</li> </ul>

			short.
Pigs	All stages	FMD (high fever and appearance of mucous membrane of the mouth and foot.)	<ul style="list-style-type: none"> <li>• Animals should be given lukewarm feed and water.</li> <li>• Keep the houses dry and clean.</li> <li>• 1<sup>st</sup> injection at 6 months of age and 2<sup>nd</sup> injection at 12 months of age followed by annual vaccination under vet supervision</li> </ul>
Poultry	All stages		<ul style="list-style-type: none"> <li>• Follow 'All in All out' system of rearing and do not rear birds of different age groups together.</li> <li>• Avoid overcrowding.</li> <li>• Provide adequate clean drinking water+electrolyte and multi-vitamins</li> <li>• Vaccination as per the schedule with proper consultation with vet. <ul style="list-style-type: none"> <li>➤ 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> </li> <li>• Remove wet litter/provide artificial heating and light</li> </ul>
Mithun		FMD	<ul style="list-style-type: none"> <li>• Polyvalent FMD vaccine with serotype O, A and Asia at 6 months of age and repeat after that 6 months interval by sub-cutaneous route.</li> <li>• Pregnant animals above 7 months of pregnancy should be avoided.</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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Contact: - [IAAS.BASAR@gmail.com](mailto:IAAS.BASAR@gmail.com), Phone Number: - 03795-226247/37, -96 (Fax)

**Agrometeorological Field Unit  
ICAR, BASAR**

# कृषि मौसम सलाहकार सेवा पत्रिका Agro-met Advisory Bulletin

(Period: 24<sup>th</sup> to 26<sup>th</sup> May 2017)

ग्रामीण कृषि मौसम सेवा



**GRAMIN KRISHI MAUSAM SEWA**  
(Integrated Agro-Meteorological Advisory Services)



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

**District: West Siang**

**No: 42/2017/Fri**

**Dated: 26<sup>th</sup> May, 2017**



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

Weather summary of the previous week	Weather forecast valid up to 31 <sup>st</sup> May 2017
<b>Basar:</b> Rainfall = 34.6 mm. T. Max: 24.4°C, T. Min: 19.2°C, RH: 75-92%, Wind Speed: 3-6 kmph, Wind Direction: NE & WSW <b>Along:</b> 18.0 mm	<b>Partly cloudy with possibility of moderate rainfall.</b> Daily maximum and minimum temperature for the following period is predicted to be 27-31°C and 22-23°C respectively. Expected morning and evening relative humidity will be 91-93% and 66-81% respectively. Wind direction is mainly ESE with speed range of 2-3 kmph.
<b>Warning:</b>	<ul style="list-style-type: none"><li>• <b>Thundersquall with wind speed exceeding 50kmph is likely in isolated places over Arunachal Pradesh</b></li><li>• <b>Heavy rain is very likely to occur in few isolated places.</b></li></ul>

## Weather Based Agro-meteorological Advisories Bulletin

### General Recommendations

- **Disinfecting the animal/bird sheds with lime powder/ bleaching powder/ 4%NaOH at regular interval is advocated**
- **Go for low cost polyhouses for year round cultivation of vegetables**
- **Obtain seeds from reputed/certified/reliable source**
- **Use fertilizers/pesticides as per recommended doses for the location**
- **Preference must be given on use of organic manures/bio-fertilizers & bio-pesticides**
- **ICAR Basar recommend poultry variety VANARAJA for backyard rearing**



Crop	Stage	Pest/Disease	Precautionary Practices to be followed
<b>FIELD CROPS</b>			
Rice	Nursery/transplanting	Stem borer	<ul style="list-style-type: none"> <li>Cut the tips of the leaves before transplanting reduces the population of stem borer as the eggs are laid on that site. It will reduce the carryover of the infestation to the main field.</li> <li>Rice: Spray Triazophos 40EC @ 4 ml/lit against stem borer in rice nursery as well as in main field during sunny days</li> </ul>
Jhum field	Tillering		<ul style="list-style-type: none"> <li>Manual weeding advocated</li> <li>Top dressing of urea one third of recommended dose can be carried out in upland/jhum rice</li> </ul>
Soybean	Sowing		<ul style="list-style-type: none"> <li><b>Right time for sowing of soybean</b></li> <li><b>Carry out seed dressing/treatment with Thiram or Carbendazim @ 2g/kg seed before sowing</b></li> </ul>
Finger millet	Sowing		<ul style="list-style-type: none"> <li>Sowing of short duration finger millet varieties like VL-324 &amp; VR-708 can be carried out without delay.</li> </ul>
Maize	Knee height		<ul style="list-style-type: none"> <li><b>Carry out thinning and earthing up in maize without delay</b></li> </ul>
Pulses	Vegetative		<ul style="list-style-type: none"> <li><b>Apply biosulphur @2ml/lit water to enhance yield</b></li> </ul>
<b>VEGETABLES</b>			
Pre-summer vegetables	Seedling/vegetative		<ul style="list-style-type: none"> <li>Provision of drainage to remove excess water followed by earthing up in vegetables.</li> <li>On clear/dry weather, spray Boom (organic liquid manure) @ 4ml/lit of water for proper growth and development.</li> <li>On clear day, spray Azadirachtin 0.15EC@ 6ml/lit water against insect pests</li> <li>In cucurbitaceous crops like bottle gourd, cucumber, ridge gourd etc, earthing up to be done followed by manuring; and stacking should be followed and trained on a bower system made of bamboo + sticks.</li> <li><b>Seed treatment: Before sowing treat seed with trichoderma viridi1% WP @ 10g/kg seed.</b></li> </ul>
<b>HORTICULTURAL CROPS</b>			
Citrus	Fruiting	Citrus scab/ leaf miner	<ul style="list-style-type: none"> <li>Spray of Difenocomazole <a href="#">25EC@0.05%</a> against citrus scab in Khasi Mandarin. Mix sticker 1ml/lit in case of rain.</li> <li><b>Spray Imidacloprid <a href="#">17.8%SL@0.2ml/lit</a> of water against citrus leaf miner.</b></li> </ul>
Banana	Vegetative		<ul style="list-style-type: none"> <li>Planting of banana making pit maintaining at a spacing of 2.5 X 2.5 meter plant to plant and row to row distance.</li> <li><b>Denavelling (removal of male bud) to improve bunch weight</b></li> <li><b>Bagging of bunches to protect against unusual rainfall.</b></li> </ul>
Orchards			<ul style="list-style-type: none"> <li>Prepare half moon terraces in fruit crops (orange/banana/apple/peach) grown in steep slopes to prevent nutrient loss during heavy downpour.</li> <li>Follow proper drainage and earthing up practices in low land/plain areas to avoid water stagnation in fruit orchards</li> </ul>
Large Cardamom	Sowing		<ul style="list-style-type: none"> <li>Should be sown in Primary nursery bed at 2cm deep and 10 cm apart followed by mulching &amp; regular light irrigation.</li> <li>The duration of primary nursery being 3-4 months.</li> </ul>
<b>Honey Bees</b>			
Honey bees			<ul style="list-style-type: none"> <li>Box must be covered with straw/dry leaves to provide warmth</li> <li>Provide sugar syrup</li> </ul>
<b>LIVESTOCKS</b>			
Livestock	Stage	Disease	Precautionary Practices to be followed
Fishery	Fingerlings		<ul style="list-style-type: none"> <li><b>Broadcasting of Mustard Oil Cake (MOC) @ 5kg/pond twice daily advocated for healthy fingerlings</b></li> </ul>
Cattle	All stages	FMD	<ul style="list-style-type: none"> <li>1<sup>st</sup> injection at 6-8 weeks of age, 2<sup>nd</sup> injection after 6 months of 1<sup>st</sup> injection followed by annual vaccination under vet supervision</li> <li>Separate sick animals</li> <li>The animal should be washed with lukewarm water added with</li> </ul>

			little potash (KMnO <sub>4</sub> ) or neem leaves <ul style="list-style-type: none"> <li>• Long hair near the udder/stomach/back legs should be teamed short.</li> </ul>
Pigs	All stages	FMD (high fever and appearance of mucous membrane of the mouth and foot.)	<ul style="list-style-type: none"> <li>• Provide adequate bedding material (paddy straw, rice husk) to newly born piglets.</li> <li>• Animals should be given lukewarm feed and water.</li> <li>• Keep the houses dry and clean.</li> <li>• 1<sup>st</sup> injection at 6 months of age and 2<sup>nd</sup> injection at 12 months of age followed by annual vaccination under vet supervision</li> </ul>
Poultry	All stages		<ul style="list-style-type: none"> <li>• Give broad-spectrum antihelmintic drugs as per prescribed doses.</li> <li>• Follow 'All in All out' system of rearing and do not rear birds of different age groups together.</li> <li>• Avoid overcrowding.</li> <li>• Provide adequate clean drinking water+electrolyte and multi-vitamins</li> <li>• Vaccination as per the schedule with proper consultation with vet.             <ul style="list-style-type: none"> <li>➤ 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> </li> <li>• Remove wet litter/provide artificial heating and light</li> </ul>
Mithun		FMD	<ul style="list-style-type: none"> <li>• Polyvalent FMD vaccine with serotype O, A and Asia at 6 months of age and repeat after that 6 months interval by sub-cutaneous route.</li> <li>• Pregnant animals above 7 months of pregnancy should be avoided.</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>			

Issued jointly by ICAR-RC for NEH Region, Arunachal Pradesh Centre, Basar and India Meteorological Department  
 Contact: - [IAAS.BASAR@gmail.com](mailto:IAAS.BASAR@gmail.com), Phone Number: - 03795-226247/37, -96 (Fax)

# कृषि मौसम सलाहकार सेवा पत्रिका

## Agro-met Advisory Bulletin

(Period: 27<sup>th</sup> to 30<sup>th</sup> May 2017)

ग्रामीण कृषि मौसम सेवा



**GRAMIN KRISHI MAUSAM SEWA**  
(Integrated Agro-Meteorological Advisory Services)

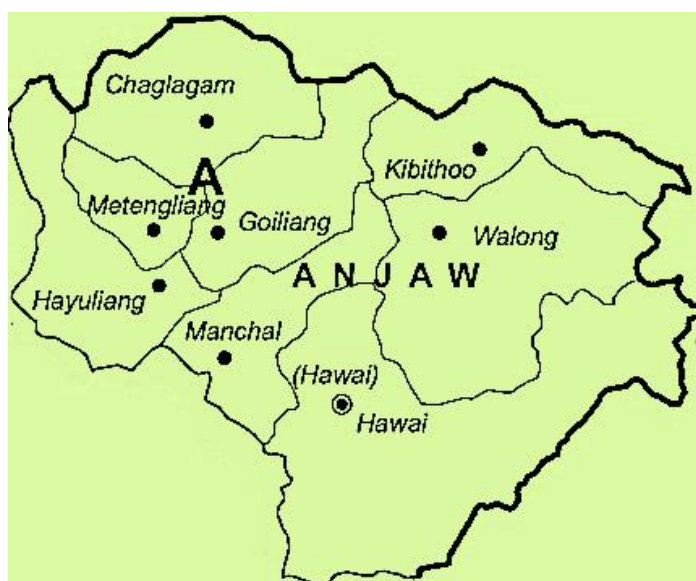


AMFU, ICAR Research Complex for NEH Region  
Arunachal Pradesh Centre, Basar-791101

**District: Anjaw**

**No: 42/2017/Fri**

**Dated: 26<sup>th</sup> May, 2017**



Hawai: Latitude: 28.2179994/ Longitude: 94.7277528/Altitude: 1296 m amsl

Weather summary of the previous week	Weather forecast valid up to 31 <sup>st</sup> May 2017
No weather summary available	<b>Partly cloudy with possibility of light/moderate rainfall.</b> Daily maximum and minimum temperature for the following period is predicted to be 23-26°C and 15-16°C respectively. Expected morning and evening relative humidity will be 80-88% and 35-50% respectively. Wind direction is mainly E at a speed range of 4-5 kmph.
<b>Warning:</b>	<b>• Heavy rainfall is very likely to occur at isolated places on 27<sup>th</sup> and 30<sup>th</sup> May</b>

### Weather Based Agro-meteorological Advisories Bulletin

#### General Recommendations

- **Spraying operation should be done only on dry/clear weather**
- **Obtain seeds from reputed/certified/reliable source**
- **Use fertilizers/pesticides as per recommended doses for the location**
- **Preference must be given on use of organic manures/bio-fertilizers & bio-pesticides**
- **Warning: Spraying of DDT in crops is lethal**

Crop	Stage	Pest/Disease	Precautionary Practices to be followed
<b>FIELD CROPS</b>			
Soybean	Sowing		<ul style="list-style-type: none"> <li>Right time for sowing of soybean</li> <li>Carry out seed dressing/treatment with Thiram or Carbendazim @ 2g/kg seed before sowing</li> </ul>
Finger millet	Sowing		<ul style="list-style-type: none"> <li>Sowing of short duration finger millet varieties like VL-324 &amp; VR-708 can be carried out without delay.</li> </ul>
Rice	Nursery/transplanting	Stem borer	<ul style="list-style-type: none"> <li>Cut the tips of the leaves before transplanting reduces the population of stem borer as the eggs are laid on that site. It will reduce the carryover of the infestation to the main field.</li> <li>Rice: Spray Triazophos 40EC @ 4 ml/lit against stem borer in rice nursery as well as in main field during sunny days</li> </ul>
Jhum field	Tillering		<ul style="list-style-type: none"> <li>Manual weeding advocated</li> <li>Top dressing of urea one third of recommended dose can be carried out in upland/jhum rice</li> </ul>
Maize	Knee height		<ul style="list-style-type: none"> <li><b>Carry out thinning and earthing up in maize without delay</b></li> </ul>
Pulses	Vegetative		<ul style="list-style-type: none"> <li><b>Apply biosulphur @2ml/lit water to enhance yield</b></li> </ul>
<b>VEGETABLES</b>			
Pre-summer vegetables	Seedling/vegetative		<ul style="list-style-type: none"> <li>Provision of drainage to remove excess water followed by earthing up in vegetables.</li> <li>On clear/dry weather, spray Boom (organic liquid manure) @ 4ml/lit of water for proper growth and development.</li> <li>On clear day, spray Azadirachtin 0.15EC@ 6ml/lit water against insect pests</li> <li>In cucurbitaceous crops like bottle gourd, cucumber, ridge gourd etc, earthing up to be done followed by manuring; and stacking should be followed and trained on a bower system made of bamboo + sticks.</li> <li><b>Seed treatment: Before sowing treat seed with trichoderma viridi1% WP @ 10g/kg seed.</b></li> </ul>
<b>HORTICULTURAL CROPS</b>			
Pineapple	Vegetative		<ul style="list-style-type: none"> <li><b>Earthing-up and removal of excess suckers for better plant establishment and anchorage.</b></li> </ul>
Orchards	Multiple stages		<ul style="list-style-type: none"> <li>Prepare half moon terraces in fruit crops (orange/banana/apple/peach) grown in steep slopes to prevent nutrient loss during heavy downpour.</li> <li>Follow proper drainage and earthing up practices in low land/plain areas to avoid water stagnation in fruit orchards</li> </ul>
Banana	Vegetative		<ul style="list-style-type: none"> <li>Planting of banana making pit maintaining at a spacing of 2.5 X 2.5 meter plant to plant and row to row distance.</li> <li><b>Denavelling (removal of male bud) to improve bunch weight</b></li> <li><b>Bagging of bunches to protect against unusual rainfall.</b></li> </ul>
Citrus	Fruiting	Citrus scab/ leaf miner	<ul style="list-style-type: none"> <li>Spray of Difenocomazole <a href="#">25EC@0.05%</a> against citrus scab in Khasi Mandarin. Mix sticker 1ml/lit in case of rain.</li> <li><b>Spray Imidacloprid <a href="#">17.8%SL@0.2ml/lit</a> of water against citrus leaf miner using stickers.</b></li> </ul>
Large Cardamom	Sowing/germination		<ul style="list-style-type: none"> <li>Should be sown in Primary nursery bed at 2cm deep and 10 cm apart followed by mulching &amp; regular light irrigation.</li> <li>The duration of primary nursery being 3-4 months.</li> <li>Provide adequate drainage</li> </ul>
<b>LIVESTOCKS</b>			
Livestock	Stage	Disease	Precautionary Practices to be followed
Fishery	Fingerlings		<ul style="list-style-type: none"> <li><b>Broadcasting of Mustard Oil Cake (MOC) @ 5kg/pond twice daily advocated for healthy fingerlings</b></li> </ul>
Pigs	All stages	FMD (high fever and appearance of mucous membrane of the mouth and foot.)	<ul style="list-style-type: none"> <li>Keep the houses dry and clean.</li> <li>1<sup>st</sup> injection at 6 months of age and 2<sup>nd</sup> injection at 12 months of age followed by annual vaccination under vet supervision against FMD</li> </ul>
Poultry	All stages		<ul style="list-style-type: none"> <li>Follow 'All in All out' system of rearing and do not rear birds of</li> </ul>

			<p>different age groups together.</p> <ul style="list-style-type: none"> <li>• Avoid overcrowding.</li> <li>• Provide broad-spectrum antihelminthic drugs under vet supervision and recommended doses.</li> <li>• Provide adequate clean drinking water+electrolyte and multi-vitamins</li> <li>• Vaccination as per the schedule with proper consultation with vet. <ul style="list-style-type: none"> <li>➤ 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> </li> <li>• Remove wet litter</li> </ul>
Cattle	All stages	FMD	<ul style="list-style-type: none"> <li>• 1<sup>st</sup> injection at 6-8 weeks of age, 2<sup>nd</sup> injection after 6 months of 1<sup>st</sup> injection followed by annual vaccination under vet supervision</li> <li>• Separate sick animals</li> <li>• The animal should be washed with lukewarm water added with little potash (KMnO<sub>4</sub>) or neem leaves</li> <li>• Long hair near the udder/stomach/back legs should be teamed short.</li> </ul>
Mithun		FMD	<ul style="list-style-type: none"> <li>• Polyvalent FMD vaccine with serotype O, A and Asia at 6 months of age and repeat after that 6 months interval by sub-cutaneous route. Pregnant animals above 7 months of pregnancy should be avoided from vaccination.</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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# कृषि मौसम सलाहकार सेवा पत्रिका

## Agro-met Advisory Bulletin

(Period: 27<sup>th</sup> to 30<sup>th</sup> May 2017)

ग्रामीण कृषि मौसम सेवा

**GRAMIN KRISHI MAUSAM SEWA**  
(Integrated Agro-Meteorological Advisory Services)



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

**District: Changlang**

No: 42/2017/Fri

Dated: 26<sup>th</sup> May, 2017



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

Weather summary of the previous week	Weather forecast valid up to 31 <sup>st</sup> May, 2017
Rainfall = Changlang: 19.6 mm Miao: 37.7 mm	<b>Partly cloudy weather forecasted with light/moderate rainfall.</b> Daily maximum and minimum temperature for the following period is predicted to be 25-31°C and 23°C respectively. Expected morning and evening relative humidity will be 82-91% and 54-79% respectively. Wind direction is mainly E with speed range of 2-4 kmph.
<b>Warning</b>	<b>Heavy rainfall is very likely to occur at isolated places on 27<sup>th</sup> and 30<sup>th</sup> May</b>

### Weather Based Agro-meteorological Advisories Bulletin

#### General Recommendations

- **Spraying operation should be done only on dry/clear weather**
- **Go for low cost polyhouses for year round cultivation of vegetables**
- **Obtain seeds from reputed/certified/reliable source**
- **Use fertilizers/pesticides as per recommended doses for the location**
- **Preference must be given on use of organic manures/bio-fertilizers & bio-pesticides**
- **ICAR Basar recommend poultry variety VANARAJA for backyard rearing**

Crop	Stage	Pest/Disease	Precautionary Practices to be followed
<b>FIELD CROPS</b>			
Rice	Nursery/transplanting	Stem borer	<ul style="list-style-type: none"> <li>Cut the tips of the leaves before transplanting reduces the population of stem borer as the eggs are laid on that site. It will reduce the carryover of the infestation to the main field.</li> <li>Rice: Spray Triazophos 40EC @ 4 ml/lit against stem borer in rice nursery as well as in main field during sunny days</li> </ul>
Jhum field	Tillering		<ul style="list-style-type: none"> <li>Manual weeding advocated</li> <li>Top dressing of urea one third of recommended dose can be carried out in upland/jhum rice</li> </ul>
Soybean	Sowing		<ul style="list-style-type: none"> <li><b>Right time for sowing of soybean</b></li> <li><b>Carry out seed dressing/treatment with Thiram or Carbendazim @ 2g/kg seed before sowing</b></li> </ul>
Pulses	Vegetative		<ul style="list-style-type: none"> <li><b>Apply biosulphur @2ml/lit water to enhance yield</b></li> </ul>
Maize	Knee height		<ul style="list-style-type: none"> <li><b>Carry out thinning and earthing up in maize without delay</b></li> </ul>
Finger millet	Sowing		<ul style="list-style-type: none"> <li>Sowing of short duration finger millet varieties like VL-324 &amp; VR-708 can be carried out without delay.</li> </ul>
<b>VEGETABLES</b>			
Pre-summer vegetables	Seedling/vegetative		<ul style="list-style-type: none"> <li>Provision of drainage to remove excess water followed by earthing up in vegetables.</li> <li>On clear/dry weather, spray Boom (organic liquid manure) @ 4ml/lit of water for proper growth and development.</li> <li>On clear day, spray Azadirachtin 0.15EC@ 6ml/lit water against insect pests</li> <li>In cucurbitaceous crops like bottle gourd, cucumber, ridge gourd etc, earthing up to be done followed by manuring; and stacking should be followed and trained on a bower system made of bamboo + sticks.</li> <li><b>Seed treatment: Before sowing treat seed with trichoderma viridi1% WP @ 10g/kg seed.</b></li> </ul>
<b>HORTICULTURAL CROPS</b>			
Pineapple	Vegetative		<ul style="list-style-type: none"> <li><b>Earthing-up and removal of excess suckers for better plant establishment and anchorage.</b></li> </ul>
Citrus	Fruiting	Citrus scab/ leaf miner	<ul style="list-style-type: none"> <li>Spray of Difenocomazole <a href="#">25EC@0.05%</a> against citrus scab in Khasi Mandarin. Mix sticker 1ml/lit in case of rain.</li> <li><b>Spray Imidacloprid <a href="#">17.8%SL@0.2ml/lit</a> of water against citrus leaf miner.</b></li> </ul>
Banana	Vegetative		<ul style="list-style-type: none"> <li>Planting of banana making pit maintaining at a spacing of 2.5 X 2.5 meter plant to plant and row to row distance.</li> <li><b>Denavelling (removal of male bud) to improve bunch weight</b></li> <li><b>Bagging of bunches to protect against unusual rainfall.</b></li> </ul>
Ginger/Turmeric	Sowing/germination		<ul style="list-style-type: none"> <li>Disease free ginger/turmeric rhizomes of 30-40g having atleast 2 eyes to be sown in finely tilled bed of 1 meter width, 15 cm high and of convenient length at a spacing of 30 cm between rows and 25cm between plants.</li> <li><b>Mulching ginger beds with locally available leaves/materials is advocated to enhance germination</b></li> </ul>
Orchards			<ul style="list-style-type: none"> <li>Prepare half moon terraces in fruit crops (orange/banana/apple/peach) grown in steep slopes to prevent nutrient loss during heavy downpour.</li> <li>Follow proper drainage and earthing up practices in low land/plain areas to avoid water stagnation in fruit orchards</li> </ul>
Large Cardamom	Sowing		<ul style="list-style-type: none"> <li>Should be sown in Primary nursery bed at 2cm deep and 10 cm apart followed by mulching &amp; regular light irrigation.</li> <li>The duration of primary nursery being 3-4 months.</li> </ul>
<b>Honey Bees</b>			
Honey bees			<ul style="list-style-type: none"> <li>Box must be covered with straw/dry leaves to provide warmth</li> <li>Provide sugar syrup</li> </ul>

## LIVESTOCKS

Livestock	Stage	Disease	Precautionary Practices to be followed
Fishery	Fingerlings		<ul style="list-style-type: none"> <li>• <b>Broadcasting of Mustard Oil Cake (MOC) @ 5kg/pond twice daily advocated for healthy fingerlings</b></li> </ul>
Pigs	All stages	FMD (high fever and appearance of mucous membrane of the mouth and foot.)	<ul style="list-style-type: none"> <li>• Keep the houses dry and clean.</li> <li>• 1<sup>st</sup> injection at 6 months of age and 2<sup>nd</sup> injection at 12 months of age followed by annual vaccination under vet supervision</li> </ul>
Poultry	All stages		<ul style="list-style-type: none"> <li>• Follow 'All in All out' system of rearing and do not rear birds of different age groups together.</li> <li>• Avoid overcrowding.</li> <li>• Provide adequate clean drinking water+electrolyte and multi-vitamins</li> <li>• Vaccination as per the schedule with proper consultation with vet.                             <ul style="list-style-type: none"> <li>➤ 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> </li> <li>• Remove wet litter/provide artificial heating and light</li> </ul>
Cattle	All stages	FMD	<ul style="list-style-type: none"> <li>• 1<sup>st</sup> injection at 6-8 weeks of age, 2<sup>nd</sup> injection after 6 months of 1<sup>st</sup> injection followed by annual vaccination under vet supervision</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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 Contact: - [IAAS.BASAR@gmail.com](mailto:IAAS.BASAR@gmail.com), Phone Number: - 03795-226247/37, -96 (Fax)

**Agrometeorological Field Unit  
ICAR, BASAR**