### **Agro-met Advisory Bulletin**

(Period: 31st January to 2nd February 2018)

ग्रामीण कृषि मौसम सेवा



#### GRAMIN KRISHI MAUSAM SEWA

(Integrated Agro-Meteorological Advisory Services)

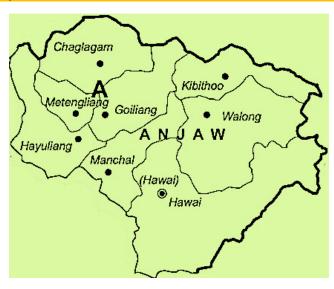


AMFU, ICAR Research Complex for NEH Region Arunachal Pradesh Centre, Basar-791101

**District: Anjaw** 

#### **No: AMFU-Basar/2018/09**

Dated: Tue, 30th January 2018



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

Weather summery of the previous week	Weather forecast valid up to 4 <sup>th</sup> February 2018
No weather summary available	Mostly sunny with possibility of light/moderate rainfall after 2 <sup>nd</sup>
	<b>Feb.</b> Daily maximum and minimum temperature for the following
	period is predicted to be 17-18°C and 05-06°C respectively.
	Expected morning and evening relative humidity will be 56-87%
	and 23-61% respectively. Wind direction is mainly SSE with
	average wind speed range of 4-6 kmph.
Warning:	Moderate to dense fog likely to occur at isolated places

### Weather Based Agro-meteorological Advisories Bulletin

- 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
Pea	Vegetative	Powdery mildew/ leaf eating insects	<ul> <li>On clear/dry day, need based foliar spray of Dinocap (0.2%) or Carbendazim 50WP (0.1%) or Propiconazole (0.1%).</li> <li>On clear weather, spray of Azadirachtin 0.15% EC @ 6ml/lit against leaf eating insects</li> </ul>
			VEGETABLES
Ginger/ Turmeric	Maturity		<ul> <li>Harvest the mature crop,</li> <li>Cure should be taken while harvest so that the rhizome is not damaged,</li> </ul>
Potato	Vegetative stage/ Harvesting stage	Late blight	<ul> <li>In present weather conditions harvesting of mature crops may be done,</li> <li>Regularly monitor against the disease symptoms.         Prominent symptoms include small, dark, circular to irregular shaped lesion in the leaves     </li> <li>Prophylactic spraying of Mancozeb @ 2 gram per 4 litres of water is advised</li> </ul>
Cabbage/	Harvesting		Harvest mature crop.
Cauliflower		HODT	• Constantly monitor against attack of insects pests/mole. <b>FICULTURAL CROPS</b>
Banana	Bunching	Cold	<ul> <li>Cover newly emerged bunches with locally available sack to protect from cold/frost</li> <li>Mulching with straw/crop residue at root zone to avoid frost injury in banana.</li> </ul>
Pineapple	Harvesting		<ul> <li>After winter harvest, collection/Selection of suckers &amp; slip to be done for next season planting</li> </ul>
Citrus	Maturity/ harvesting	Bark eating caterpillar, Trunk borer, Blue & Green mould	<ul> <li>Orange (only if harvesting is over): Go for drenching with Dichlorovos 76 EC@0.05% against trunk-borer.</li> <li>On clear weather or using sticker, against Blue &amp; Green mould, spray Imazalil 34 WP @ 1g/lit. Prune away the diseased portion of the plant.</li> <li>In case of Bark eating caterpillar, remove the wooden frass present in between the joints of the trunk and inject Dichlorovos (DDVP) 76 EC 0.1 percent @ 5ml in the larval tunnel with the help of disposable syringe and push cotton swab soaked in Dichlorovos solution in the larval tunnel.</li> </ul>
Temperate fruits	After harvesting		<ul> <li>Training &amp; pruning of the temperate crops (apple/pears/peach) is recommended</li> </ul>
			• In case of flowering, stop spraying insecticides/pesticides  LIVESTOCKS
Livestock	Stage	Disease	Precautionary Practices to be followed
Poultry	All stages	DISCASE	<ul> <li>Day old chick-Maintain warmth by lighting,</li> <li>In present weather conditions protect the birds from cold by using gunny bags/plastic sheets around the poultryshed during night,</li> <li>Provide heat by lighting 100W bulb @ 1 bulb per 20 newly born chicks.</li> </ul>
Fishery			Keep fish stoking density thin @1200/ha
Pigs	All stages	FMD (high fever and appearance of mucous membrane of the mouth and foot.) Swine Fever	<ul> <li>Avoid dampness and cover weak and sick animals with sack cloth.</li> <li>Animals should be given lukewarm feed and water.</li> <li>Right time to deworm with anti helmetic drugs (particularly Tapeworms) viz. Fento Plus @ 1 tablet per 30 kg body weight.</li> <li>Provide proper bedding materials especially to new-born piglets and lukewarm food &amp; water</li> </ul>
Cattle	All stages	FMD	<ul> <li>Animals should be given lukewarm feed and water.</li> <li>Right time to deworm with anti helmetic drugs         (particularly Tapeworms) viz. Fento Plus @ 1 tablet per 30         kg body weight.</li> <li>Provide proper bedding materials especially to new-born and lukewarm food &amp; water</li> <li>Provide feed supplements</li> </ul>
Mithun		FMD	Polyvalent FMD vaccine with serotype 0, 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.
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: - <a href="mailto:IAAS.BASAR@gmail.com">IAAS.BASAR@gmail.com</a>, Phone Number: - 03795-226247/37, -96 (Fax)

### **Agro-met Advisory Bulletin**

(Period: 31st January to 2nd February 2018)

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### GRAMIN KRISHI MAUSAM SEWA

(Integrated Agro-Meteorological Advisory Services)

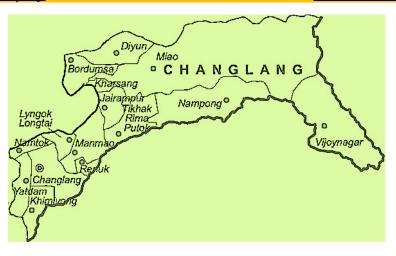


AMFU, ICAR Research Complex for NEH Region Arunachal Pradesh Centre, Basar-791101

**District: Changlang** 

No: AMFU-Basar/2018/09

Dated: Tue, 30th January 2018



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

Weather summery of the previous week	Weather forecast valid up to 4 <sup>th</sup> February 2018
	Generally clear/dry weather forecasted. Daily maximum and
mm (up to 25 <sup>th</sup> Jan)	minimum temperature for the following period is predicted to be 22-
	23°C and 09-10°C respectively. Expected morning and evening
	relative humidity will be 63-81% and 22-30% respectively. Wind
	direction is mainly ESE with speed range of 4-6 kmph.
Warning	Moderate to dense fog likely to occur at isolated places

#### Weather Based Agro-meteorological Advisories Bulletin

- 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
			FIELD CROPS
Pea	Vegetative	Powdery mildew/ leaf eating insects	<ul> <li>Need based foliar spray of Dinocap (0.2%) or Carbendazim 50WP (0.1%) or Propiconazole (0.1%) using sticker in case of rainfall.</li> <li>On clear weather, spray of Azadirachtin 0.15% EC @ 6ml/lit against leaf eating insects</li> </ul>
Maize	Vegetative/ Maturity/ Harvesting	Rats	<ul> <li>Prepare field for sowing of crop,</li> <li>Protect the crop against attack of rats using locally available traps,</li> <li>When rat menace has occurred application of multi dose rodenticide like bromadiolone with proper consultation with experts is advised.</li> </ul>
Datata	X/		VEGETABLES
Potato	Vegetative stage/ Harvesting stage	Late blight	<ul> <li>In present weather conditions harvesting of mature crops may be done,</li> <li>Regularly monitor against the disease symptoms.         Prominent symptoms include small, dark, circular to irregular shaped lesion in the leaves     </li> <li>Prophylactic spraying of Mancozeb @ 2 gram per 4 litres of water is advised</li> </ul>
Cabbage/	Harvesting		Harvest mature crop.
Cauliflower Ginger/ Turmeric	Maturity		<ul> <li>Constantly monitor against attack of insects pests/mole.</li> <li>Harvest the mature crop,</li> <li>Cure should be taken while harvest so that the rhizome is not damaged,</li> </ul>
Citrus			ICULTURAL CROPS
Banana	Maturity/ harvesting  Bunching	Bark eating caterpillar, Trunk borer, Blue & Green mould  Cold	<ul> <li>Orange (only if harvesting is over): Go for drenching with Dichlorovos 76 EC@0.05% against trunk-borer.</li> <li>Against Blue &amp; Green mould, spray Imazalil 34 WP @ 1g/lit. Prune away the diseased portion of the plant using sticker in case of rainfall.</li> <li>In case of Bark eating caterpillar, remove the wooden frass present in between the joints of the trunk and inject Dichlorovos (DDVP) 76 EC 0.1 percent @ 5ml in the larval tunnel with the help of disposable syringe and push cotton swab soaked in Dichlorovos solution in the larval tunnel.</li> <li>Cover newly emerged bunches with locally available sack to protect from cold/frost</li> <li>Mulching with straw/crop residue at root zone to avoid</li> </ul>
			frost injury in banana.
Honey bees			<ul> <li>Honey Bees</li> <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
0 0			General be diverted for Poultry/livestock feeding the clock and water troughs/feeders should be regularly cleaned,
Goat	All stages	o chigui cu i vuilu	Deworming for gastrointestinal parasite
Cattle	All stages	FMD	<ul> <li>Animals should be given lukewarm feed and water.</li> <li>Right time to deworm with anti helmetic drugs         (particularly Tapeworms) viz. Fento Plus @ 1 tablet per 30         kg body weight.</li> <li>Provide proper bedding materials especially to new-born and lukewarm food &amp; water</li> <li>Provide feed supplements</li> </ul>
Pigs	All stages	FMD (high fever and appearance of mucous membrane of the mouth and foot.) Swine Fever	<ul> <li>Avoid dampness and cover weak and sick animals with sack cloth.</li> <li>Animals should be given lukewarm feed and water.</li> <li>Right time to deworm with anti helmetic drugs (particularly)</li> </ul>

		Provide proper bedding materials especially to new-born piglets and lukewarm food & water	
Poultry	All stages	<ul> <li>Day old chick-Maintain warmth by lighting,</li> </ul>	
		<ul> <li>In present weather conditions protect the birds from cold by using gunny bags/plastic sheets around the poultryshed during night,</li> <li>Provide heat by lighting 100W bulb @ 1 bulb per 20 newly born chicks.</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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## **Agro-met Advisory Bulletin**

(Period: 31st January to 2nd February 2018)

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: AMFU-Basar/2018/09** 

**Dated: Tue, 30th January 2018** 



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

Weather summery of the previous week	Weather forecast valid up to 4 <sup>th</sup> February 2018
Rainfall = $8.0 \text{ mm}$ (Anini) (up to $25^{th}$ Jan)	Partly/moderately cloudy with possibility of light/moderate
	rainfall. Daily maximum and minimum temperature for the
	following period is predicted to be 17-18°C and 05-06°C
	respectively. Expected morning and evening relative humidity will be
	73-91% and 40-68% respectively. Wind direction is mainly SSE & S
	with speed range of 6-9 kmph.
Warning:	Moderate to dense fog likely to occur at isolated places

### Weather Based Agro-meteorological Advisories Bulletin

- 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
			FIELD CROPS
Pea	Vegetative	Powdery	• Need based foliar spray of Dinocap (0.2%) or Carbendazim
		mildew/ leaf	50WP (0.1%) or Propiconazole (0.1%) using sticker in case of
		eating insects	rainfall.
			• On clear weather, spray of Azadirachtin 0.15% EC @
D1 1 G 0	**		6ml/lit against leaf eating insects
Black Gram &	Vegetative		<ul> <li>Need based foliar spray of Sulfex@2g/lit water to control</li> </ul>
Green Gram			powdery mildew in black/green gram/pea
			VEGETABLES
Potato	Vegetative stage/	Late blight	<ul> <li>In present weather conditions harvesting of mature crops</li> </ul>
	Harvesting stage		may be done,
			<ul> <li>Regularly monitor against the disease symptoms.</li> </ul>
			Prominent symptoms include small, dark, circular to
			irregular shaped lesion in the leaves
			<ul> <li>Prophylactic spraying of Mancozeb @ 2 gram per 4 litres</li> </ul>
			of water is advised
Cabbage/	Harvesting		<ul> <li>Harvest mature crop.</li> </ul>
Cauliflower			<ul> <li>Constantly monitor against attack of insects pests/mole.</li> </ul>
			TICULTURAL CROPS
Citrus	Maturity/	Bark eating	• Orange (only if harvesting is over): Go for drenching with
	harvesting	caterpillar,	Dichlorovos 76 EC@0.05% against trunk-borer.
		Trunk borer,	• Against Blue & Green mould, spray Imazalil 34 WP @
		Blue & Green	1g/lit. Prune away the diseased portion of the plant on
		mould	clear/dry day or using stickers.
			• In case of Bark eating caterpillar, remove the wooden frass
			present in between the joints of the trunk and inject
			Dichlorovos (DDVP) 76 EC 0.1 percent @ 5ml in the larval
			tunnel with the help of disposable syringe and push cotton
			swab soaked in Dichlorovos solution in the larval tunnel.
Pineapple	Harvesting		<ul> <li>After winter harvest, collection/Selection of suckers &amp; slip</li> </ul>
			to be done for next season planting
Banana	Bunching	Cold	<ul> <li>Cover newly emerged bunches with locally available sack to</li> </ul>
			protect from cold/frost
			<ul> <li>Mulching with straw/crop residue at root zone to avoid</li> </ul>
			frost injury in banana.
Temperate fruits	After harvesting		• Training & pruning of the temperate crops (apple/pears/peach) is recommended
			Honey Bees
Honey bees			Cover the boxes with locally available dry grass or straw to
Tioney occs			provide warmth
			LIVESTOCKS
Livestock	Store	Disease	
Livestock	Stage	Disease	Precautionary Practices to be followed
D 1	• ( 46	4 . 4 . 1 . 4 . 1	General
	_		e diverted for Poultry/livestock feeding
			the clock and water troughs/feeders should be regularly cleaned,
Pigs	All stages	FMD (high fever	Avoid dampness and cover weak and sick animals
		and appearance of mucous	with sack cloth.
			<ul> <li>Animals should be given lukewarm feed and water.</li> </ul>
		membrane of the	Right time to deworm with anti helmetic drugs (particularly)
		mouth and foot.)	Tapeworms) viz. Fento Plus @ 1 tablet per 30 kg body weight.
		Swine Fever	<ul> <li>Provide proper bedding materials especially to new-born</li> </ul>
			piglets and lukewarm food & water
Cattle	All stages	FMD	<ul> <li>Animals should be given lukewarm feed and water.</li> </ul>
			<ul> <li>Right time to deworm with anti helmetic drugs</li> </ul>
			(particularly Tapeworms) viz. Fento Plus @ 1 tablet per 30
			kg body weight.
			<ul> <li>Provide proper bedding materials especially to new-born and</li> </ul>
			lukewarm food & water
			<ul> <li>Heavy mortality in cloven footed animals has been reported.</li> </ul>
			• Supportive treatment of infected animals under supervision of
			veterinary department officials,
			<ul> <li>Avoid mixing of infected and healthy animals,</li> </ul>
			<ul> <li>Keep infected animals separated from the healthy ones,</li> </ul>
			<del></del>

			<ul> <li>Vaccinate the healthy animals against FMD (Through State Veterinary Dept.)</li> <li>Provide feed supplements</li> </ul>
Poultry	All stages		<ul> <li>Day old chick-Maintain warmth by lighting,</li> <li>In present weather conditions protect the birds from cold by using gunny bags/plastic sheets around the poultryshed during night,</li> <li>Provide heat by lighting 100W bulb @ 1 bulb per 20 newly born chicks.</li> </ul>
Mithun		FMD	<ul> <li>Polyvalent FMD vaccine with serotype O, A and Asia at 6 months of age and repeat after that 6 months interval by subcutaneous route.</li> <li>Pregnant animals above 7 months of pregnancy should be avoided.</li> </ul>
<b>Contact Scient</b>	ists (ICAR) or Sta	te Agril Staff or l	KVK staff for measures against adverse conditions or call at 03795-

 $Is sued jointly \ by \ ICAR-RC \ for \ NEH \ Region, Arunachal \ Pradesh \ Centre, \ Basar \ and \ India \ Meteorological \ Department \ Contact: - \underline{IAAS.BASAR@gmail.com}, \ Phone \ Number: -03795-226247/37, -96 \ (Fax)$ 

226237/226247

### **Agro-met Advisory Bulletin**

(Period: 31st January to 2nd February 2018)

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 Kameng**

No: AMFU-Basar/2018/09

Dated: Tue, 30th January 2018



Weather summery of the previous week	Weather forecast valid up to 4 <sup>th</sup> February 2018
Rainfall = $0.0 \text{ mm}$ (up to $25^{th}$ Jan)	Generally sunny/dry weather forecasted. Daily maximum and
	minimum temperature for the following period is predicted to be 20-
	21°C and 7-8°C respectively. Expected morning and evening relative
	humidity will be 83-89% and 36-51% respectively. Expected wind
	direction is mainly SE & E with speed range of 4-6 kmph.
Warning:	Rain in few isolated places

#### Weather Based Agro-meteorological Advisories Bulletin

- 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
			FIELD CROPS
Pea	Vegetative	Powdery mildew/ leaf eating insects	<ul> <li>Need based foliar spray of Dinocap (0.2%) or Carbendazim 50WP (0.1%) or Propiconazole (0.1%) using sticker.</li> <li>On clear weather, spray of Azadirachtin 0.15% EC @ 6ml/lit against leaf eating insects</li> </ul>
D + +	X7	T 4 11: 14	VEGETABLES
Potato	Vegetative stage/ Harvesting stage	Late blight	<ul> <li>In present weather conditions harvesting of mature crops may be done,</li> <li>Regularly monitor against the disease symptoms.         Prominent symptoms include small, dark, circular to irregular shaped lesion in the leaves     </li> <li>Prophylactic spraying of Mancozeb @ 2 gram per 4 litres of water is advised</li> </ul>
Cabbage/ Cauliflower	Harvesting		Harvest mature crop.
Ginger/ Turmeric	Maturity		<ul> <li>Constantly monitor against attack of insects pests/mole.</li> <li>Harvest the mature crop,</li> <li>Cure should be taken while harvest so that the rhizome is not damaged,</li> </ul>
		HORT	FICULTURAL CROPS
Citrus	Maturity/ harvesting	Bark eating caterpillar, Trunk borer, Blue & Green mould	<ul> <li>Orange (only if harvesting is over): Go for drenching with Dichlorovos 76 EC@0.05% against trunk-borer.</li> <li>Against Blue &amp; Green mould, spray Imazalil 34 WP @ 1g/lit on clear/dry day. Prune away the diseased portion of the plant.</li> <li>In case of Bark eating caterpillar, remove the wooden frass present in between the joints of the trunk and inject Dichlorovos (DDVP) 76 EC 0.1 percent @ 5ml in the larval tunnel with the help of disposable syringe and push cotton swab soaked in Dichlorovos solution in the larval tunnel.</li> </ul>
Banana	Bunching	Cold	<ul> <li>Cover newly emerged bunches with locally available sack to protect from cold/frost</li> <li>Mulching with straw/crop residue at root zone to avoid frost injury in banana.</li> </ul>
Pineapple	Active vegetative		Remove excess suckers to increase fruit size and improve quality.
Ginger/Turmeric	Seedling		<ul> <li>Mulching with locally available materials like dry grass/paddy straw recommended</li> <li>Proper drainage to be done and avoid water stagnation</li> <li>Earthing up of ginger/turmeric along with basal application of required fertilizer should be done</li> </ul> Agroforestry
Toko palm	Nursery		Filling of nursery polybags for raising of takopalm seedlings
			LIVESTOCKS
Livestock	Stage	Disease	Precautionary Practices to be followed
Clean drink	rain (not fungus co	oe ensured round	General e diverted for Poultry/livestock feeding the clock and water troughs/feeders should be regularly cleaned,
Pigs	All stages	FMD (high fever and appearance of mucous membrane of the mouth and foot.) Swine Fever	<ul> <li>with sack cloth.</li> <li>Animals should be given lukewarm feed and water.</li> <li>Right time to deworm with anti helmetic drugs (particularly Tapeworms) viz. Fento Plus @ 1 tablet per 30 kg body weight.</li> <li>Provide proper bedding materials especially to new-born piglets and lukewarm food &amp; water</li> </ul>
Cattle	All stages	FMD	<ul> <li>Animals should be given lukewarm feed and water.</li> <li>Right time to deworm with anti helmetic drugs         (particularly Tapeworms) viz. Fento Plus @ 1 tablet per 30         kg body weight.</li> <li>Provide proper bedding materials especially to new-born and lukewarm food &amp; water</li> <li>Provide feed supplements</li> <li>Day old chick-Maintain warmth by lighting,</li> </ul>
1 outry	Till stages		- Day old chick-Maintain warmin by righting,

		<ul> <li>In present weather conditions protect the birds from cold by using gunny bags/plastic sheets around the poultryshed during night,</li> <li>Provide heat by lighting 100W bulb @ 1 bulb per 20 newly born chicks.</li> </ul>
Fishery		<ul> <li>Application of quick lime is highly recommended in order to rectify water pH.</li> <li>Application of fish feed (mustard oil cake) is essential for achieving higher yield</li> </ul>
Mithun	FMD	<ul> <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 (ICA	AR) or State Agril Staff or	KVK staff for measures against adverse conditions or call at 03795- 226237/226247

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### GRAMIN KRISHI MAUSAM SEWA

(Integrated Agro-Meteorological Advisory Services)



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

**District: East Siang** 

No: AMFU-Basar/2018/09

Dated: Tue, 30th January 2018



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

Weather summery of the previous week	Weather forecast valid up to 4 <sup>th</sup> February 2018
Rainfall: 7.2 mm; T. Max: 25.0°C; T. Min:	Mostly sunny weather forecasted with very light rain on 3 <sup>rd</sup> Feb.
15.0°C; RH: 63-93% (up to 25 <sup>th</sup> Jan)	Daily maximum and minimum temperature for the following period
	is predicted to be 23-24°C and 12-13°C respectively. Expected
	morning and evening relative humidity will be 81-91% and 28-39%
	respectively. Expected wind direction is mainly S with speed range
	of 4-6 kmph.
Warning:	Rain in few isolated places

#### Weather Based Agro-meteorological Advisories Bulletin

- 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
Стор	Biage		FIELD CROPS
Maize	Vegetative/ Maturity/ Harvesting	Rats	<ul> <li>Prepare field for sowing of crop,</li> <li>Protect the crop against attack of rats using locally available traps,</li> <li>When rat menace has occurred application of multi dose rodenticide like bromadiolone with proper consultation with</li> </ul>
Pea	Vegetative	Powdery mildew/ leaf eating insects	<ul> <li>experts is advised.</li> <li>Need based foliar spray of Dinocap (0.2%) or Carbendazim 50WP (0.1%) or Propiconazole (0.1%) using proper sticker.</li> <li>On clear weather, spray of Azadirachtin 0.15% EC @</li> </ul>
Mustard	Vegetative	Aphid	<ul> <li>On clear weather, spray of Azadiracinin 0.13 % EC @ 6ml/lit against leaf eating insects using sticker in case of rainfall</li> <li>When population level is high spraying of Dimethoate @ 4</li> </ul>
Widstard	vegetative	7 <b>I pinu</b>	ml per litre of water is advised using sticker in case of rainfall
			VEGETABLES
Potato	Vegetative stage/ Harvesting stage	Late blight	<ul> <li>In present weather conditions harvesting of mature crops may be done,</li> <li>Regularly monitor against the disease symptoms.         Prominent symptoms include small, dark, circular to irregular shaped lesion in the leaves     </li> <li>Prophylactic spraying of Mancozeb @ 2 gram per 4 litres of water is advised</li> </ul>
Cabbage/	Harvesting		Harvest mature crop.
Cauliflower Ginger/ Turmeric	Maturity		<ul> <li>Constantly monitor against attack of insects pests/mole.</li> <li>Harvest the mature crop,</li> <li>Cure should be taken while harvest so that the</li> </ul>
		HODT	rhizome is not damaged,
Citrus	Maturity/	Bark eating	<ul> <li>Orange (only if harvesting is over): Go for drenching with</li> </ul>
Cittus	harvesting	caterpillar, Trunk borer, Blue & Green mould	<ul> <li>Orange (only it harvesting is over): Go for drenching with Dichlorovos 76 EC@0.05% against trunk-borer.</li> <li>Against Blue &amp; Green mould, spray Imazalil 34 WP @ 1g/lit on clear/dry days. Prune away the diseased portion of the plant.</li> <li>In case of Bark eating caterpillar, remove the wooden frass present in between the joints of the trunk and inject Dichlorovos (DDVP) 76 EC 0.1 percent @ 5ml in the larval tunnel with the help of disposable syringe and push cotton swab soaked in Dichlorovos solution in the larval tunnel.</li> </ul>
Kiwi	Harvesting		<ul> <li>Should be harvested by snapping their stalks</li> <li>Fruit should be stored boxes containing cushioning materials and transported to the market in hard condition.</li> </ul>
			Honey Bees
Honey bees			Cover the boxes with locally available dry grass or straw to provide warmth
			LIVESTOCKS
Livestock	Stage	Disease	Precautionary Practices to be followed  General
	_		e diverted for Poultry/livestock feeding I the clock and water troughs/feeders should be regularly cleaned,
Pigs	All stages	FMD (high fever	
		and appearance of mucous membrane of the mouth and foot.) Swine Fever	<ul> <li>with sack cloth.</li> <li>Animals should be given lukewarm feed and water.</li> <li>Right time to deworm with anti helmetic drugs (particularly)</li> </ul>
Cattle	All stages	FMD	<ul> <li>Animals should be given lukewarm feed and water.</li> <li>Right time to deworm with anti helmetic drugs         <ul> <li>(particularly Tapeworms) viz. Fento Plus @ 1 tablet per 30 kg body weight.</li> </ul> </li> </ul>

Poultry	All stages		<ul> <li>Provide proper bedding materials especially to new-born and lukewarm food &amp; water</li> <li>Heavy mortality in cloven footed animals has been reported.</li> <li>Supportive treatment of infected animals under supervision of veterinary department officials,</li> <li>Avoid mixing of infected and healthy animals,</li> <li>Keep infected animals separated from the healthy ones,</li> <li>Vaccinate the healthy animals against FMD (Through State Veterinary Dept.)</li> <li>Provide feed supplements</li> <li>Day old chick-Maintain warmth by lighting,</li> </ul>
			<ul> <li>In present weather conditions protect the birds from cold by using gunny bags/plastic sheets around the poultryshed during night,</li> <li>Provide heat by lighting 100W bulb @ 1 bulb per 20 newly born chicks.</li> </ul>
Mithun		FMD	<ul> <li>Polyvalent FMD vaccine with serotype O, A and Asia at 6 months of age and repeat after that 6 months interval by subcutaneous route.</li> <li>Pregnant animals above 7 months of pregnancy should be avoided.</li> </ul>
<b>Contact Scien</b>	tists (ICAR) or	State Agril Staff	f or KVK staff for measures against adverse conditions or call

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at 03795-226237/226247

### **Agro-met Advisory Bulletin**

(Period: 31st January to 2nd February 2018)

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: AMFU-Basar/2018/09

Dated: Tue, 30th January 2018



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

Weather summery of the previous week	Weather forecast valid up to 4 <sup>th</sup> February 2018
Past weather summary not available	Mostly sunny with possibility of very light rainfall on 3 <sup>rd</sup> Feb.
	Daily maximum and minimum temperature for the following period
	is predicted to be 16-17°C and 04-05°C respectively. Expected
	morning and evening relative humidity will be 65-87% and 34-54%
	respectively. Wind direction is mainly SW & S with wind speed
	range of 7-10 kmph.
Warning	Rain in few isolated places

### Weather Based Agro-meteorological Advisories Bulletin

- 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
			FIELD CROPS
Pea	Vegetative	Powdery mildew/ leaf eating insects	• Need based foliar spray of Dinocap (0.2%) or Carbendazim 50WP (0.1%) or Propiconazole (0.1%) using sticker in case of rainfall.
			• On clear weather, spray of Azadirachtin 0.15% EC @ 6ml/lit against leaf eating insects
			VEGETABLES
Potato	Vegetative stage/	Late blight	In present weather conditions harvesting of mature crops
	Harvesting stage	Lute singue	may be done,  • Regularly monitor against the disease symptoms.
			Prominent symptoms include small, dark, circular to irregular shaped lesion in the leaves
			Prophylactic spraying of Mancozeb @ 2 gram per 4 litres of water is advised
Cabbage/ Cauliflower	Harvesting		<ul> <li>Harvest mature crop.</li> <li>Constantly monitor against attack of insects pests/mole.</li> </ul>
Caumower		HORT	TCULTURAL CROPS
Temperate fruits	After harvesting	HOKI.	Training & pruning of the temperate crops (apple/pears/peach) is recommended
Citrus	Maturity/	Bark eating	<ul> <li>In case of flowering, stop spraying insecticides/pesticides</li> <li>Orange (only if harvesting is over): Go for drenching with</li> </ul>
Citius	harvesting	caterpillar,	Dichlorovos 76 EC@0.05% against trunk-borer.
		Trunk borer, Blue & Green	• Against Blue & Green mould, spray Imazalil 34 WP @ 1g/lit using sticker in case of rainfall. Prune away the
		mould	diseased portion of the plant.
			<ul> <li>In case of Bark eating caterpillar, remove the wooden frass present in between the joints of the trunk and inject</li> </ul>
			Dichlorovos (DDVP) 76 EC 0.1 percent @ 5ml in the larval
			tunnel with the help of disposable syringe and push cotton swab soaked in Dichlorovos solution in the larval tunnel.
Pineapple	Harvesting		After winter harvest, collection/Selection of suckers & slip
			to be done for next season planting
Banana	Bunching	Cold	Cover newly emerged bunches with locally available sack to  protect from gold/frost.
			<ul> <li>protect from cold/frost</li> <li>Mulching with straw/crop residue at root zone to avoid</li> </ul>
			frost injury in banana.
	1		Honey Bees
			Box must be covered with straw/dry leaves to provide warmth
			LIVESTOCKS
			General
Damaged gr	ain (not fungus co	ontaminated) to b	e diverted for Poultry/livestock feeding
			the clock and water troughs/feeders should be regularly cleaned,
Livestock	Stage	Disease	Precautionary Practices to be followed
Cattle	All stages	FMD	<ul> <li>Animals should be given lukewarm feed and water.</li> <li>Right time to deworm with anti helmetic drugs</li> </ul>
			(particularly Tapeworms) viz. Fento Plus @ 1 tablet per 30
			kg body weight.
			Provide proper bedding materials especially to new-born and lukewarm food & water
			Provide feed supplements
Pigs	All stages	FMD (high fever	Avoid dampness and cover weak and sick animals
		and appearance of mucous	<ul><li>with sack cloth.</li><li>Animals should be given lukewarm feed and water.</li></ul>
		membrane of the	Right time to deworm with anti helmetic drugs (particularly)
		mouth and foot.) Swine Fever	Tapeworms) viz. Fento Plus @ 1 tablet per 30 kg body weight.
		Swille rever	<ul> <li>Provide proper bedding materials especially to new-born piglets and lukewarm food &amp; water</li> </ul>
Poultry	All stages		Day old chick-Maintain warmth by lighting,
			<ul> <li>In present weather conditions protect the birds from cold by using gunny bags/plastic sheets around the poultryshed during night,</li> </ul>

			• Provide heat by lighting 100W bulb @ 1 bulb per 20 newly born chicks.	
Mithun	FMD	•	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.	
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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### **Agro-met Advisory Bulletin**

(Period: 31st January to 2nd February 2018)

ग्रामीण कृषि मौसम सेवा



### GRAMIN KRISHI MAUSAM SEWA

(Integrated Agro-Meteorological Advisory Services)

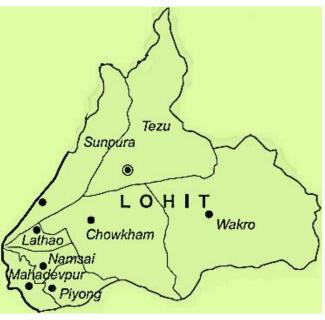


AMFU, ICAR Research Complex for NEH Region Arunachal Pradesh Centre, Basar-791101

**District: Lohit** 

No: AMFU-Basar/2018/09

Dated: Tue, 30th January 2018



Weather summery of the previous week	Weather forecast valid up to 4 <sup>th</sup> February 2018
Rainfall = 10.0 mm (up to 25 <sup>th</sup> Jan)	Mostly sunny with possibility of light rain after 2 <sup>nd</sup> Feb. Daily maximum and minimum temperature for the following period is predicted to be 20-21°C and 07-08°C respectively. Expected morning and evening relative humidity will be 64-76% and 21-38% respectively. Wind direction is mainly ENE with speed range of 4-6
Warning:	<ul> <li>kmph.</li> <li>Moderate to dense fog likely to occur at isolated places</li> </ul>

### Weather Based Agro-meteorological Advisories Bulletin

- 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
			FIELD CROPS
Maize	Vegetative/ Maturity/ Harvesting	Rats	<ul> <li>Prepare field for sowing of crop,</li> <li>Protect the crop against attack of rats using locally available traps,</li> <li>When rat menace has occurred application of multi dose rodenticide like bromadiolone with proper consultation with experts is advised.</li> </ul>
Pea	Vegetative	Powdery mildew/ leaf eating insects	<ul> <li>Need based foliar spray of Dinocap (0.2%) or Carbendazim 50WP (0.1%) or Propiconazole (0.1%) using stickers in case of rainfall.</li> <li>On clear weather, spray of Azadirachtin 0.15% EC @ 6ml/lit against leaf eating insects</li> </ul>
Mustard	Vegetative	Aphid	When population level is high spraying of Dimethoate @ 4 ml per litre of water is advised using sticker in case of rainfall  WHO THE PARTY OF T
D	**		VEGETABLES
Potato	Vegetative stage/ Harvesting stage	Late blight	<ul> <li>In present weather conditions harvesting of mature crops may be done,</li> <li>Regularly monitor against the disease symptoms.         Prominent symptoms include small, dark, circular to irregular shaped lesion in the leaves     </li> <li>Prophylactic spraying of Mancozeb @ 2 gram per 4 litres of water is advised</li> </ul>
Cabbage/	Harvesting		Harvest mature crop.
Cauliflower	3.6		Constantly monitor against attack of insects pests/mole.
Ginger/ Turmeric	Maturity		<ul> <li>Harvest the mature crop,</li> <li>Cure should be taken while harvest so that the rhizome is not damaged,</li> </ul>
		HORT	FICULTURAL CROPS
Large Cardamom	Fruiting	Chirkey Disease	
Citrus	Maturity/ harvesting	Bark eating caterpillar, Gummosis	<ul> <li>In case of Bark eating caterpillar, remove the wooden frass present in between the joints of the trunk and inject Dichlorovos (DDVP) 76 EC 0.1 percent @ 5ml in the larval tunnel with the help of disposable syringe and push cotton swab soaked in Dichlorovos solution in the larval tunnel.</li> <li>Collect dropped fruits &amp; dispose by putting in airtight bags or burry deep in ground.</li> <li>Harvest the mature fruit with stalk and store in dry places.</li> <li>Dead wood pruning may be done after harvesting of crop followed by spraying of fungicide, Carbendazim @ 1gm/lit of water.</li> <li>Breakdown the soil collected around the tree trunk</li> </ul>
Banana	All stages	Sigatoka Leaf spot	<ul> <li>One sword sucker may be allowed after shooting (Flowering),</li> <li>Periodical removal of side suckers by cutting them above the ground level, scoop the core and pour 2 ml of kerosene in the core,</li> <li>Foliar spray of Propiconazole (e.g., Tilt) @ 1 ml per litre of wate using stickers</li> </ul>
Kiwi	Harvesting		<ul> <li>Should be harvested by snapping their stalks</li> <li>Fruit should be stored boxes containing cushioning materials and transported to the market in hard condition.</li> </ul>
			Honey Bees
Honey bees			Cover the boxes with locally available dry grass or straw to provide warmth
			LIVESTOCKS
Livestock	Stage	Disease	Precautionary Practices to be followed General
Damaged gr	ain (not fungus co	ontaminated) to b	General be diverted for Poultry/livestock feeding d the clock and water troughs/feeders should be regularly cleaned

Pigs	All stages	FMD (high fever and appearance of mucous membrane of the mouth and foot.) Swine Fever	<ul> <li>Avoid dampness and cover weak and sick animals with sack cloth.</li> <li>Animals should be given lukewarm feed and water.</li> <li>Right time to deworm with anti helmetic drugs (particularly Tapeworms) viz. Fento Plus @ 1 tablet per 30 kg body weight.</li> <li>Provide proper bedding materials especially to new-born piglets and lukewarm food &amp; water</li> </ul>
Cattle	All stages	FMD	<ul> <li>Animals should be given lukewarm feed and water.</li> <li>Right time to deworm with anti helmetic drugs (particularly Tapeworms) viz. Fento Plus @ 1 tablet per 30 kg body weight.</li> <li>Provide proper bedding materials especially to new-born and lukewarm food &amp; water</li> <li>Heavy mortality in cloven footed animals has been reported.</li> <li>Supportive treatment of infected animals under supervision of veterinary department officials,</li> <li>Avoid mixing of infected and healthy animals,</li> <li>Keep infected animals separated from the healthy ones,</li> <li>Vaccinate the healthy animals against FMD (Through State Veterinary Dept.)</li> <li>Provide feed supplements</li> </ul>
Poultry	All stages		<ul> <li>Day old chick-Maintain warmth by lighting,</li> <li>In present weather conditions protect the birds from cold by using gunny bags/plastic sheets around the poultryshed during night,</li> <li>Provide heat by lighting 100W bulb @ 1 bulb per 20 newly born chicks.</li> </ul>
Mithun  Contact Scien	tists (ICAR) or	FMD  State Agril Staff o	<ul> <li>Polyvalent FMD vaccine with serotype O, A and Asia at 6 months of age and repeat after that 6 months interval by subcutaneous route.</li> <li>Pregnant animals above 7 months of pregnancy should be avoided.</li> <li>TKVK staff for measures against adverse conditions or call</li> </ul>

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at 03795-226237/226247

### **Agro-met Advisory Bulletin**

(Period: 31st January to 2nd February 2018)

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: AMFU-Basar/2018/09

Dated: Tue, 30th January 2018



Weather summery of the previous week	Weather forecast valid up to 4 <sup>th</sup> February 2018
Rainfall = $5.3 \text{ mm}$ (Roing) (up to $25^{th}$ Jan)	Partly cloudy with possibility of light/moderate rain. Daily
	maximum and minimum temperature for the following period is
	predicted to be 23-24°C and 12-13°C respectively. Expected morning
	and evening relative humidity will be 76-98% and 23-44%
	respectively. Wind direction is mainly ESE & SSE with speed range
	of 5-6 kmph.
Warning:	Rain in few isolated places

### 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
- 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	<b>Precautionary Practices to be followed</b>
	Ø <sup>-</sup>		FIELD CROPS
Maize	Vegetative/	Rats	Prepare field for sowing of crop,
	Maturity/		<ul> <li>Protect the crop against attack of rats using locally available</li> </ul>
	Harvesting		traps,
			<ul> <li>When rat menace has occurred application of multi dose</li> </ul>
			rodenticide like bromadiolone with proper consultation with
			experts is advised.
Pea	Vegetative	Powdery	<ul> <li>Need based foliar spray of Dinocap (0.2%) or Carbendazim</li> </ul>
		mildew/ leaf	50WP (0.1%) or Propiconazole (0.1%) using sticker.
		eating insects	• On clear weather, spray of Azadirachtin 0.15% EC @
			6ml/lit against leaf eating insects
Mustard	Vegetative	Aphid	When population level is high spraying of Dimethoate @ 4
Mustaru	vegetative	Apmu	ml per litre of water is advised using sticker in case of
			rainfall
			VEGETABLES
Potato	Vegetative stage/	Late blight	• In present weather conditions harvesting of mature crops
1 0 1 1 1 1	Harvesting stage	Late blight	may be done,
	Tim ( coming orange		<ul> <li>Regularly monitor against the disease symptoms.</li> </ul>
			Prominent symptoms include small, dark, circular to
			irregular shaped lesion in the leaves
			• Prophylactic spraying of Mancozeb @ 2 gram per 4 litres
			of water is advised
Cabbage/	Harvesting		Harvest mature crop.
Cauliflower	_		<ul> <li>Constantly monitor against attack of insects pests/mole.</li> </ul>
Ginger/ Turmeric	Maturity		Harvest the mature crop,
	·		<ul> <li>Cure should be taken while harvest so that the</li> </ul>
			rhizome is not damaged,
		HORT	ICULTURAL CROPS
Large Cardamom	Fruiting	Chirkey Disease	Remove dry/diseased/old tillers & branches & spray
Large Cardamom	Truiting	Chirkey Discuse	Bio NPK@ 2ml/lit water for proper growth on
			clear/dry days.
Citrus	Maturity/	Bark eating	• Orange (only if harvesting is over): Go for drenching with
Citius	harvesting	caterpillar,	Dichlorovos 76 EC@0.05% against trunk-borer.
	nai vesting	Trunk borer,	Against Blue & Green mould, spray Imazalil 34 WP @
		Blue & Green	1g/lit using stickers. Prune away the diseased portion of
		mould	the plant.
			• In case of Bark eating caterpillar, remove the wooden frass
			present in between the joints of the trunk and inject
			Dichlorovos (DDVP) 76 EC 0.1 percent @ 5ml in the larval
			tunnel with the help of disposable syringe and push cotton
			swab soaked in Dichlorovos solution in the larval tunnel.
Banana	Multiple stages	Sigatoka Leaf	• One sword sucker may be allowed after shooting (Flowering),
		spot	<ul> <li>Periodical removal of side suckers by cutting them above the</li> </ul>
			ground level, scoop the core and pour 2 ml of kerosene in the
			core,
			• Foliar spray of Propiconazole (e.g., Tilt) @ 1 ml per litre of
			wate using stickers in case of rainfall.
			Honey Bees
Honey bees			Box must be covered with straw/dry leaves to provide
-			warmth
			LIVESTOCKS
Livestock	Stage	Disease	Precautionary Practices to be followed
LIVESTOCK	Duige	Discuse	General
Damagad gr	ain (not fungue oc	intaminated) to b	e diverted for Poultry/livestock feeding
0 0			the clock and water troughs/feeders should be regularly cleaned,
\ \landalan dwin!ri	All stages	FMD (high fever	
	AH SIARES	` •	Avoid dampness and cover weak and sick animals
• Clean drinki Pigs		and annearance	
		and appearance	with sack cloth.
		of mucous	<ul> <li>Animals should be given lukewarm feed and water.</li> </ul>

			<ul> <li>Provide proper bedding materials especially to new-born piglets and lukewarm food &amp; water</li> </ul>
Cattle	All stages	FMD	<ul> <li>Animals should be given lukewarm feed and water.</li> <li>Right time to deworm with anti helmetic drugs (particularly Tapeworms) viz. Fento Plus @ 1 tablet per 30 kg body weight.</li> <li>Provide proper bedding materials especially to new-born and lukewarm food &amp; water</li> <li>Heavy mortality in cloven footed animals has been reported.</li> <li>Supportive treatment of infected animals under supervision of veterinary department officials,</li> <li>Avoid mixing of infected and healthy animals,</li> <li>Keep infected animals separated from the healthy ones,</li> <li>Vaccinate the healthy animals against FMD (Through State Veterinary Dept.)</li> <li>Provide feed supplements</li> </ul>
Poultry	All stages		<ul> <li>Day old chick-Maintain warmth by lighting,</li> <li>In present weather conditions protect the birds from cold by using gunny bags/plastic sheets around the poultry shed during night,</li> <li>Provide heat by lighting 100W bulb @ 1 bulb per 20 newly born chicks.</li> </ul>
Goat	All stages		<ul> <li>Deworming for gastrointestinal parasite</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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### **Agro-met Advisory Bulletin**

(Period: 31st January to 2nd February 2018)

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: AMFU-Basar/2018/09

Dated: Tue, 30th January 2018



Weather summery of the previous week	Weather forecast valid up to 4 <sup>th</sup> February 2018
Rainfall = NA	Mostly sunny with possibility of very light rainfall on 3 <sup>rd</sup> Feb.
	Daily maximum and minimum temperature for the following period
	is predicted to be 20-21°C and 07-08°C respectively. Expected
	morning and evening relative humidity will be 88-93% and 44-60%
	respectively. Wind direction is mainly SSW with speed range of 5-6
	kmph.
Warning:	Rain in few isolated places

### 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
- 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

C					
Crop	Stage	Pest/Disease		Precautionary Practices to be followed	
Pea	Vegetative	Powdery mildew/ leaf eating insects	•	Need based foliar spray of Dinocap (0.2%) or Carbendazim 50WP (0.1%) or Propiconazole (0.1%) using sticker in case of rainfall.  On clear weather, spray of Azadirachtin 0.15% EC @ 6ml/lit against loof setting inserts.	
			VECE	6ml/lit against leaf eating insects  TABLES	
Potato	Vegetative stage/ Harvesting stage		·	In present weather conditions harvesting of mature crops may be done, Regularly monitor against the disease symptoms. Prominent symptoms include small, dark, circular to irregular shaped lesion in the leaves Prophylactic spraying of Mancozeb @ 2 gram per 4 litres of water is advised	
Cabbage/	Harvesting		•	Harvest mature crop.	
Cauliflower		TIOD TO		Constantly monitor against attack of insects pests/mole.	
Pineapple  Tampagata fruits	Harvesting	HORT	•	After winter harvest, collection/Selection of suckers & slip to be done for next season planting	
Temperate fruits	After harvesting		•	Training & pruning of the temperate crops (apple/pears/peach) is recommended  In case of flowering, stop spraying insecticides/pesticides	
Citrus	Maturity/ harvesting	Bark eating caterpillar, Trunk borer, Blue & Green mould	•	Orange (only if harvesting is over): Go for drenching with Dichlorovos 76 EC@0.05% against trunk-borer.  Against Blue & Green mould, spray Imazalil 34 WP @ 1g/lit using sticker if rains. Prune away the diseased portion of the plant.  In case of Bark eating caterpillar, remove the wooden frass present in between the joints of the trunk and inject Dichlorovos (DDVP) 76 EC 0.1 percent @ 5ml in the larval tunnel with the help of disposable syringe and push cotton swab soaked in Dichlorovos solution in the larval tunnel.	
Banana	Bunching	Cold	•	Cover newly emerged bunches with locally available sack to protect from cold/frost  Mulching with straw/crop residue at root zone to avoid frost injury in banana.	
Tolso nolm	Numaamy			forestry of nursery polybags for raising of takopalm seedlings	
Toko palm	Nursery			** * * * * * * * * * * * * * * * * * * *	
			Hone	ey Bees	
Honey bees			•	Box must be covered with straw/dry leaves to provide warmth	
T 1	G4	D:	LIVES	STOCKS P. C. A. D. C. B.	
Livestock	Stage	Disease		Precautionary Practices to be followed	
	_		e divert	eneral red for Poultry/livestock feeding ck and water troughs/feeders should be regularly cleaned,	
Cattle	All stages	FMD	the cloc	Animals should be given lukewarm feed and water.	
Cattle	An stages	1 1911	•	Right time to deworm with anti helmetic drugs (particularly Tapeworms) viz. Fento Plus @ 1 tablet per 30 kg body weight.  Provide proper bedding materials especially to new-born and lukewarm food & water  Provide feed supplements	
	All stages	FMD (high fever and appearance		Avoid dampness and cover weak and sick animals with sack cloth.	
Pigs	All stages	of mucous membrane of the mouth and foot.) Swine Fever	•	Animals should be given lukewarm feed and water.  Right time to deworm with anti helmetic drugs (particularly Tapeworms) viz. Fento Plus @ 1 tablet per 30 kg body weight.  Provide proper bedding materials especially to new-born piglets and lukewarm food & water  • Day old chick-Maintain warmth by lighting,	

		<ul> <li>In present weather conditions protect the birds from cold by using gunny bags/plastic sheets around the poultryshed during night,</li> <li>Provide heat by lighting 100W bulb @ 1 bulb per 20 newly born chicks.</li> </ul>	
Mithun	FMD	<ul> <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			

 $Is sued jointly \ by \ ICAR-RC \ for \ NEH \ Region, Arunachal \ Pradesh \ Centre, \ Basar \ and \ India \ Meteorological \ Department \ Contact: - \underline{IAAS.BASAR@gmail.com}, \ Phone \ Number: -03795-226247/37, -96 \ (Fax)$ 

### **Agro-met Advisory Bulletin**

(Period: 31st January to 2nd February 2018)

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: AMFU-Basar/2018/09

Dated: Tue, 30th January 2018



Weather summery of the previous week	Weather forecast valid up to 4 <sup>th</sup> February 2018
Rainfall: 1.0 mm; T. Max: 29.0°C; T. Min: 15.0°C; RH: 65-84% (up to 25 <sup>th</sup> Jan)	<b>Partly cloudy with possibility of no rainfall.</b> Daily maximum and minimum temperature for the following period is predicted to be 24-25°C and 10-12°C respectively. Expected morning and evening relative humidity will be 82-92% and 39-48% respectively. Expected wind direction mainly SSW & SW with speed range of 4-5 kmph.
Warning:	Moderate to dense fog likely to occur at isolated places

### 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
- 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
			FIELD CROPS
Maize	Vegetative/ Maturity/ Harvesting	Rats	<ul> <li>Prepare field for sowing of crop,</li> <li>Protect the crop against attack of rats using locally available traps,</li> <li>When rat menace has occurred application of multi dose rodenticide like bromadiolone with proper consultation with</li> </ul>
Pea	Vegetative	Powdery mildew/ leaf eating insects	<ul> <li>experts is advised.</li> <li>Need based foliar spray of Dinocap (0.2%) or Carbendazim 50WP (0.1%) or Propiconazole (0.1%) using stickers in case of rainfall.</li> <li>On clear weather, spray of Azadirachtin 0.15% EC @ 6ml/lit against leaf eating insects</li> </ul>
Mustard	Vegetative	Aphid	When population level is high spraying of Dimethoate @ 4     ml per litre of water is advised using stickers in case of rainfall
			VEGETABLES
Potato	Vegetative stage/ Harvesting stage	Late blight	<ul> <li>In present weather conditions harvesting of mature crops may be done,</li> <li>Regularly monitor against the disease symptoms.         Prominent symptoms include small, dark, circular to irregular shaped lesion in the leaves     </li> <li>Prophylactic spraying of Mancozeb @ 2 gram per 4 litres of water is advised</li> </ul>
Cabbage/	Harvesting		Harvest mature crop.
Cauliflower			Constantly monitor against attack of insects pests/mole.
Ginger/ Turmeric	Maturity		<ul> <li>Harvest the mature crop,</li> <li>Cure should be taken while harvest so that the rhizome is not damaged,</li> </ul>
		HORT	TCULTURAL CROPS
Citrus	Maturity/ harvesting	Bark eating caterpillar, Gummosis	<ul> <li>In case of Bark eating caterpillar, remove the wooden frass present in between the joints of the trunk and inject Dichlorovos (DDVP) 76 EC 0.1 percent @ 5ml in the larval tunnel with the help of disposable syringe and push cotton swab soaked in Dichlorovos solution in the larval tunnel.</li> <li>Collect dropped fruits &amp; dispose by putting in airtight bags or burry deep in ground.</li> <li>Harvest the mature fruit with stalk and store in dry places.</li> <li>Dead wood pruning may be done after harvesting of crop followed by spraying of fungicide, Carbendazim @ 1gm/lit of water.</li> <li>Breakdown the soil collected around the tree trunk</li> </ul>
Large Cardamom	Fruiting	Chirkey Disease	• Remove dry/diseased/old tillers & branches & spray Bio NPK@ 2ml/lit water for proper growth using stickers in case of rainfall.
Banana	Multiple stages	Sigatoka Leaf spot	<ul> <li>One sword sucker may be allowed after shooting (Flowering),</li> <li>Periodical removal of side suckers by cutting them above the ground level, scoop the core and pour 2 ml of kerosene in the core,</li> <li>Foliar spray of Propiconazole (e.g., Tilt) @ 1 ml per litre of water using stickers in case of rainfall</li> </ul>
TT 1			Honey Bees
Honey bees			Box must be covered with straw/dry leaves to provide warmth
			LIVESTOCKS
0 0	, 0		Precautionary Practices to be followed  General be diverted for Poultry/livestock feeding
		be ensured round	the clock and water troughs/feeders should be regularly cleaned,
Goat Pigs	All stages All stages	FMD (high fever and appearance of mucous	<ul> <li>Deworming for gastrointestinal parasite</li> <li>Avoid dampness and cover weak and sick animals with sack cloth.</li> <li>Animals should be given lukewarm feed and water.</li> </ul>

		membrane of the mouth and foot.) Swine Fever	<ul> <li>Right time to deworm with anti helmetic drugs (particularly Tapeworms) viz. Fento Plus @ 1 tablet per 30 kg body weight</li> <li>Provide proper bedding materials especially to new-born piglets and lukewarm food &amp; water</li> </ul>
Fishery			<ul> <li>Keep fish stoking density thin @1200/ha</li> </ul>
Cattle	All stages	FMD	<ul> <li>Animals should be given lukewarm feed and water.</li> <li>Right time to deworm with anti helmetic drugs         (particularly Tapeworms) viz. Fento Plus @ 1 tablet per 3         kg body weight.</li> <li>Provide proper bedding materials especially to new-born ar         lukewarm food &amp; water</li> <li>Provide feed supplements</li> </ul>
Pigs	All stages	FMD (high fever and appearance of mucous membrane of the mouth and foot.) Swine Fever	<ul> <li>Iron injection within 10 days of birth is advised to newly born piglets if they are kept in confined system</li> <li>Deworm with anti helmetic drugs (particularly Tapeworms) viz. Fento Plus @ 1 tablet per 30 kg body weightIn present weather conditions vaccinate against swine fever (Vaccine available in State Veterinary Depts),</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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### **Agro-met Advisory Bulletin**

(Period: 31st January to 2nd February 2018)

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: AMFU-Basar/2018/09

Dated: Tue, 30th January 2018



Weather summery of the previous week	Weather forecast valid up to 4 <sup>th</sup> February 2018
Rainfall = $0.0 \text{ mm (up to } 25^{\text{th}} \text{ Jan)}$	Generally clear/dry weather forecasted. Daily maximum and
	minimum temperature for the following period is predicted to be
	14°C and 3.0-4.0°C respectively. Expected morning and evening
	relative humidity will be 61-81% and 25-35% respectively. Wind
	direction is mainly SSE & W with probable speed range of 4-6
	kmph.
Warning:	Rain in few isolated places

#### Weather Based Agro-meteorological Advisories Bulletin

- 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
			FIELD CROPS
Maize	Vegetative/ Maturity/ Harvesting	Rats	<ul> <li>Prepare field for sowing of crop,</li> <li>Protect the crop against attack of rats using locally available traps,</li> <li>When rat menace has occurred application of multi dose rodenticide like bromadiolone with proper consultation with experts is advised.</li> </ul>
Pea	Vegetative	Powdery mildew/ leaf eating insects	<ul> <li>Need based foliar spray of Dinocap (0.2%) or Carbendazim 50WP (0.1%) or Propiconazole (0.1%).</li> <li>On clear weather, spray of Azadirachtin 0.15% EC @ 6ml/lit against leaf eating insects</li> </ul> VEGETABLES
Potato	Vegetative stage/	Late blight	
Totato	Harvesting stage	Late blight	<ul> <li>In present weather conditions harvesting of mature crops may be done,</li> <li>Regularly monitor against the disease symptoms.         Prominent symptoms include small, dark, circular to irregular shaped lesion in the leaves     </li> <li>Prophylactic spraying of Mancozeb @ 2 gram per 4 litres of water is advised</li> </ul>
Cabbage/	Harvesting		Harvest mature crop.
Cauliflower		порт	Constantly monitor against attack of insects pests/mole.  CONSTANT OF CON
Temperate fruits	After harvesting	HUKT	<ul> <li>Training &amp; pruning of the temperate crops (apple/pears/peach)</li> </ul>
Temperate traits	Titter har vesting		is recommended  In case of flowering, stop spraying insecticides/pesticides
Banana	Bunching	Cold	<ul> <li>Cover newly emerged bunches with locally available sack to protect from cold/frost</li> <li>Mulching with straw/crop residue at root zone to avoid frost injury in banana.</li> </ul>
Kiwi	Harvesting		<ul> <li>Should be harvested by snapping their stalks</li> <li>Fruit should be stored boxes containing cushioning materials and transported to the market in hard condition.</li> </ul>
Orchards			<ul> <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>
Honey bees			Honey Bees
Holley bees			<ul> <li>Provide sugar syrup near the box</li> <li>Cover the boxes with locally available dry grass to provide warmth.</li> </ul>
			LIVESTOCKS
Livestock	Stage	Disease	Precautionary Practices to be followed
	U		General
Damaged gr	ain (not fungus co	ontaminated) to b	e diverted for Poultry/livestock feeding
			the clock and water troughs/feeders should be regularly cleaned,
Pigs	All stages	FMD (high fever and appearance of mucous membrane of the mouth and foot.) Swine Fever	<ul> <li>with sack cloth.</li> <li>Animals should be given lukewarm feed and water.</li> <li>Right time to deworm with anti helmetic drugs (particularly)</li> </ul>
Cattle	All stages	FMD	<ul> <li>Animals should be given lukewarm feed and water.</li> <li>Right time to deworm with anti helmetic drugs         (particularly Tapeworms) viz. Fento Plus @ 1 tablet per 30         kg body weight.</li> <li>Provide proper bedding materials especially to new-born and lukewarm food &amp; water</li> <li>Provide feed supplements</li> </ul>
Poultry	All stages		<ul> <li>Day old chick-Maintain warmth by lighting,</li> <li>In present weather conditions protect the birds from cold by using gunny bags/plastic sheets around the poultryshed during</li> </ul>

	night, • Provide heat by lighting 10 born chicks.	0W bulb @ 1 bulb per 20 newly		
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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### **Agro-met Advisory Bulletin**

(Period: 31st January to 2nd February 2018)

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: AMFU-Basar/2018/09

Dated: Tue, 30th January 2018



Weather summery of the previous week	Weather forecast valid up to 4 <sup>th</sup> February 2018
Rainfall = $4.2 \text{ mm (up to } 25^{\text{th}} \text{ Jan)}$	Generally clear/dry weather forecasted. Daily maximum and
	minimum temperature for the following period is predicted to be 24-
	25°C and 10-12°C respectively. Expected morning and evening
	relative humidity will be 100% and 33-42% respectively. Wind
	direction is mainly SE & SSE with speed range of 2-6 kmph.
Warning:	Rain in few isolated places

### Weather Based Agro-meteorological Advisories Bulletin

- 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
			FIELD CROPS
Maize	Vegetative/ Maturity/ Harvesting	Rats	<ul> <li>Prepare field for sowing of crop,</li> <li>Protect the crop against attack of rats using locally available traps,</li> <li>When rat menace has occurred application of multi dose rodenticide like bromadiolone with proper consultation with experts is advised.</li> </ul>
Pea	Vegetative	Powdery mildew/ leaf eating insects	<ul> <li>Need based foliar spray of Dinocap (0.2%) or Carbendazim 50WP (0.1%) or Propiconazole (0.1%) using stickers in case of rainfall.</li> <li>On clear weather, spray of Azadirachtin 0.15% EC @ 6ml/lit against leaf eating insects or using stickers in case of rainfall</li> </ul>
Mustard	Vegetative	Aphid	<ul> <li>When population level is high spraying of Dimethoate @ 4 ml per litre of water is advised using stickers in case of rainfall</li> </ul>
			VEGETABLES
Potato	Vegetative stage/ Harvesting stage	Late blight	<ul> <li>In present weather conditions harvesting of mature crops may be done,</li> <li>Regularly monitor against the disease symptoms.         Prominent symptoms include small, dark, circular to irregular shaped lesion in the leaves     </li> <li>Prophylactic spraying of Mancozeb @ 2 gram per 4 litres of water is advised</li> </ul>
Cabbage/ Cauliflower	Harvesting		Harvest mature crop.  Constant language of the language o
Ginger/ Turmeric	Maturity		<ul> <li>Constantly monitor against attack of insects pests/mole.</li> <li>Harvest the mature crop,</li> <li>Cure should be taken while harvest so that the rhizome is not damaged,</li> </ul>
		HORT	ICULTURAL CROPS
Citrus	Maturity/ harvesting	Bark eating caterpillar, Trunk borer, Blue & Green mould	<ul> <li>Orange (only if harvesting is over): Go for drenching with Dichlorovos 76 EC@0.05% against trunk-borer.</li> <li>Against Blue &amp; Green mould, spray Imazalil 34 WP @ 1g/lit using stickers in case of rainfall. Prune away the diseased portion of the plant.</li> <li>In case of Bark eating caterpillar, remove the wooden frass present in between the joints of the trunk and inject Dichlorovos (DDVP) 76 EC 0.1 percent @ 5ml in the larval tunnel with the help of disposable syringe and push cotton swab soaked in Dichlorovos solution in the larval tunnel.</li> </ul>
Banana	All stages	Sigatoka Leaf spot	<ul> <li>One sword sucker may be allowed after shooting (Flowering),</li> <li>Periodical removal of side suckers by cutting them above the ground level, scoop the core and pour 2 ml of kerosene in the core,</li> <li>Foliar spray of Propiconazole (e.g., Tilt) @ 1 ml per litre of water using stickers in case of rainfall</li> </ul>
			Honey Bees
			Box must be covered with straw/dry leaves to provide warmth
			LIVESTOCKS
Livestock	Stage	Disease	Precautionary Practices to be followed
			General  e diverted for Poultry/livestock feeding  the clock and water troughs/feeders should be regularly cleaned
			the clock and water troughs/feeders should be regularly cleaned,
Pigs	All stages	FMD (high fever and appearance of mucous membrane of the	<ul> <li>with sack cloth.</li> <li>Animals should be given lukewarm feed and water.</li> <li>Right time to deworm with anti helmetic drugs (particularly</li> </ul>
		mouth and foot.) Swine Fever	<ul> <li>Tapeworms) viz. Fento Plus @ 1 tablet per 30 kg body weight.</li> <li>Provide proper bedding materials especially to new-born piglets and lukewarm food &amp; water</li> </ul>

			•	Right time to deworm with anti helmetic drugs (particularly Tapeworms) viz. Fento Plus @ 1 tablet per 30 kg body weight.  Provide proper bedding materials especially to new-born and lukewarm food & water  Provide feed supplements
Pigs	All stages	FMD (high fever		Iron injection within 10 days of birth is advised to newly born
		and appearance		piglets if they are kept in confined system
		of mucous	•	Deworm with anti helmetic drugs (particularly Tapeworms)
		membrane of the		viz. Fento Plus @ 1 tablet per 30 kg body weight
		mouth and foot.)	•	In present weather conditions vaccinate against swine
		Swine Fever		fever (Vaccines available in State Veterinary Depts),
Contact Scien	tists (ICAR) or	State Agril Staff	or KV	K staff for measures against adverse conditions or call

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at 03795-226237/226247

## **Agro-met Advisory Bulletin**

(Period: 31st January to 2nd February 2018)

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: AMFU-Basar/2018/09

Dated: Tue, 30th January 2018



Weather summery of the previous week	Weather forecast valid up to 4 <sup>th</sup> February 2018
Rainfall = $0.0 \text{ mm}$ (up to $25^{th}$ Jan)	Partly cloudy with possibility of light/moderate rainfall. Daily
	maximum and minimum temperature for the following period is
	predicted to be 17-18°C and 05-06°C respectively. Expected
	morning and evening relative humidity will be 74-84% and 44-58%
	respectively. Wind direction is mainly S with speed range of 5-6
	kmph.
Warning:	Rain in few isolated places

#### 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
			FIELD CROPS
Maize	Vegetative/ Maturity/ Harvesting	Rats	<ul> <li>Prepare field for sowing of crop,</li> <li>Protect the crop against attack of rats using locally available traps,</li> <li>When rat menace has occurred application of multi dose rodenticide like bromadiolone with proper consultation with experts is advised.</li> </ul>
Pea	Vegetative	Powdery mildew/ leaf eating insects	<ul> <li>Need based foliar spray of Dinocap (0.2%) or Carbendazim 50WP (0.1%) or Propiconazole (0.1%) using stickers in case of rainfall.</li> <li>On clear weather, spray of Azadirachtin 0.15% EC @ 6ml/lit against leaf eating insects or using stickers in case of rainfall</li> </ul>
D	XX		VEGETABLES
Potato	Vegetative stage/ Harvesting stage	Late blight	<ul> <li>In present weather conditions harvesting of mature crops may be done,</li> <li>Regularly monitor against the disease symptoms. Prominent symptoms include small, dark, circular to irregular shaped lesion in the leaves</li> <li>Prophylactic spraying of Mancozeb @ 2 gram per 4 litres of water is advised</li> </ul>
Cabbage/	Harvesting		Harvest mature crop.
Cauliflower Ginger/ Turmeric	Maturity		<ul> <li>Constantly monitor against attack of insects pests/mole.</li> <li>Harvest the mature crop,</li> <li>Cure should be taken while harvest so that the</li> </ul>
		HORT	rhizome is not damaged,  ICULTURAL CROPS
Temperate fruits	After harvesting	HORI	Training & pruning of the temperate crops (apple/pears/peach)
			<ul> <li>is recommended</li> <li>In case of flowering, stop spraying insecticides/pesticides</li> </ul>
Citrus	Maturity/ harvesting	Bark eating caterpillar, Trunk borer, Blue & Green mould	<ul> <li>Orange (only if harvesting is over): Go for drenching with Dichlorovos 76 EC@0.05% against trunk-borer.</li> <li>Against Blue &amp; Green mould, spray Imazalil 34 WP @ 1g/lit using stickers in case of rainfall. Prune away the diseased portion of the plant.</li> <li>In case of Bark eating caterpillar, remove the wooden frass present in between the joints of the trunk and inject Dichlorovos (DDVP) 76 EC 0.1 percent @ 5ml in the larval tunnel with the help of disposable syringe and push cotton swab soaked in Dichlorovos solution in the larval tunnel.</li> </ul>
Pineapple	Harvesting		• After winter harvest, collection/Selection of suckers & slip to be done for next season planting
Banana	Bunching	Cold	<ul> <li>Cover newly emerged bunches with locally available sack to protect from cold/frost</li> <li>Mulching with straw/crop residue at root zone to avoid frost injury in banana.</li> </ul>
Kiwi	Harvesting		<ul> <li>Should be harvested by snapping their stalks</li> <li>Fruit should be stored boxes containing cushioning materials and transported to the market in hard condition.</li> <li>Honey Bees</li> </ul>
Honey bees			Box must be covered with straw/dry leaves to provide
Troney occs			<ul> <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
0 0	ain (not fungus co	ontaminated) to b	General e diverted for Poultry/livestock feeding the clock and water troughs/feeders should be regularly cleaned,
Pigs	All stages	FMD (high fever	

	of mu membrar mouth ar Swine	e of the d foot.)  • Right time to deworm with anti helmetic drugs (particularly Tapeworms) viz. Fento Plus @ 1 tablet per 30 kg body weight.
Cattle	All stages FM	<ul> <li>Animals should be given lukewarm feed and water.</li> <li>Right time to deworm with anti helmetic drugs         (particularly Tapeworms) viz. Fento Plus @ 1 tablet per 30         kg body weight.</li> <li>Provide proper bedding materials especially to new-born and lukewarm food &amp; water</li> <li>Provide feed supplements</li> </ul>
Fishery		<ul> <li>Application of quick lime is highly recommended in order to rectify water pH.</li> <li>Application of fish feed (mustard oil cake) is essential for achieving higher yield</li> </ul>
Poultry	All stages	<ul> <li>Day old chick-Maintain warmth by lighting,</li> <li>In present weather conditions protect the birds from cold by using gunny bags/plastic sheets around the poultryshed during night,</li> <li>Provide heat by lighting 100W bulb @ 1 bulb per 20 newly born chicks.</li> </ul>
Mithun	FM	of age and repeat after that 6 months interval by sub-cutaneous route.  • Pregnant animals above 7 months of pregnancy should be avoided.
Contact Scien	tists (ICAR) or State Agr	il Staff or KVK staff for measures against adverse conditions or call at 03795-226237/226247

Agrometeorological Field Unit ICAR, BASAR

### **Agro-met Advisory Bulletin**

(Period: 31st January to 2nd February 2018)

ग्रामीण कृषि मौसम सेवा



#### GRAMIN KRISHI MAUSAM SEWA

(Integrated Agro-Meteorological Advisory Services)

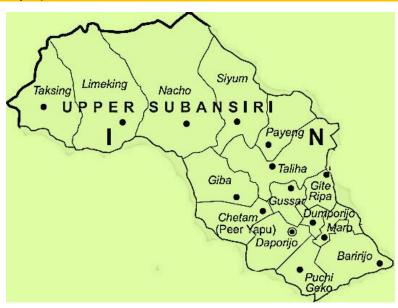


AMFU, ICAR Research Complex for NEH Region Arunachal Pradesh Centre, Basar-791101

**District: Upper Subansiri** 

No: AMFU-Basar/2018/09

Dated: Tue, 30th January 2018



Weather summery of the previous week	Weather forecast valid up to 4 <sup>th</sup> February 2018
Daporijo: 0.0 mm (up to 25 <sup>th</sup> Jan)	Partly cloudy with possibility of light/moderate rainfall. Daily
	maximum and minimum temperature for the following period is
	predicted to be 20-21°C and 07-08°C respectively. Expected
	morning and evening relative humidity will be 82-90% and 49-62%
	respectively. Expected wind direction is mainly SW & WSW with
	speed range of 4-5 kmph.
Warning	Rain in few isolated places

#### 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		<b>Precautionary Practices to be followed</b>
			FIELD	CROPS
Maize	Vegetative/ Maturity/ Harvesting	Rats	•	Prepare field for sowing of crop, Protect the crop against attack of rats using locally available traps, When rat menace has occurred application of multi dose rodenticide like bromadiolone with proper consultation with experts is advised.
Pea	Vegetative	Powdery mildew/ leaf eating insects	•	Need based foliar spray of Dinocap (0.2%) or Carbendazim 50WP (0.1%) or Propiconazole (0.1%) using stickers in case of rainfall.  On clear weather, spray of Azadirachtin 0.15% EC @ 6ml/lit against leaf eating insects or using stickers in case of rainfall
Datata	Vacatating atoms		1	TABLES
Potato	Vegetative stage/ Harvesting stage	Late blight	•	In present weather conditions harvesting of mature crops may be done, Regularly monitor against the disease symptoms. Prominent symptoms include small, dark, circular to irregular shaped lesion in the leaves Prophylactic spraying of Mancozeb @ 2 gram per 4 litres of water is advised
Cabbage/	Harvesting		•	Harvest mature crop.
Cauliflower			•	Constantly monitor against attack of insects pests/mole.
		HORT	<b>ICULT</b>	URAL CROPS
	harvesting	Bark eating caterpillar, Trunk borer, Blue & Green mould	•	Orange (only if harvesting is over): Go for drenching with Dichlorovos 76 EC@0.05% against trunk-borer.  Against Blue & Green mould, spray Imazalil 34 WP @ 1g/lit using stickers in case of rainfall. Prune away the diseased portion of the plant.  In case of Bark eating caterpillar, remove the wooden frass present in between the joints of the trunk and inject Dichlorovos (DDVP) 76 EC 0.1 percent @ 5ml in the larval tunnel with the help of disposable syringe and push cotton swab soaked in Dichlorovos solution in the larval tunnel.
Temperate fruits	After harvesting		•	Training & pruning of the temperate crops (apple/pears/peach) is recommended
Large Cardamom	Fruiting	Chirkey Disease	•	Remove dry/diseased/old tillers & branches & spray Bio NPK@ 2ml/lit water for proper growth using stickers in case of rainfall.
Banana	Bunching	Cold	•	Cover newly emerged bunches with locally available sack to protect from cold/frost
Orchards			•	Prepare half moon terraces in fruit crops (orange/banana/apple/peach) grown in steep slopes to prevent nutrient loss during heavy downpour.  Follow proper drainage and earthing up practices in low land/plain areas to avoid water stagnation in fruit orchards
			Hone	y Bees
Honey bees			•	Provide sugar syrup near the box
			•	Add insulation and ventilation systems
			LIVES	TOCKS
Livestock	Stage	Disease		Precautionary Practices to be followed
0 0			e diverte	neral ed for Poultry/livestock feeding
	ng water should b	e ensured round		k and water troughs/feeders should be regularly cleaned,
Fishery  Cattle	All stages	FMD	•	Keep fish stoking density thin @1200/ha  Animals should be given lukewarm feed and water.  Right time to deworm with anti helmetic drugs (particularly Tapeworms) viz. Fento Plus @ 1 tablet per 30 kg body weight.  Provide proper bedding materials especially to new-born and lukewarm food & water
			•	Provide feed supplements

Pigs	All stages	FMD (high fever and appearance of mucous membrane of the mouth and foot.) Swine Fever	<ul> <li>with sack cloth.</li> <li>Animals should be given lukewarm feed and water.</li> <li>Right time to deworm with anti helmetic drugs (particularly</li> </ul>
Mithun		FMD	<ul> <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 Scien	tists (ICAR) or l	State Agril Staff	or KVK staff for measures against adverse conditions or call

at 03795-226237/226247

Agrometeorological Field Unit ICAR, BASAR

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(Period: 31st January to 2nd February 2018)

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### GRAMIN KRISHI MAUSAM SEWA

(Integrated Agro-Meteorological Advisory Services)



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

**District: West Kameng** 

No: AMFU-Basar/2018/09

Dated: Tue, 30th January 2018



Weather summery of the previous week	Weather forecast valid up to 4 <sup>th</sup> February 2018
Rainfall = Bomdila: 0.0; Bhalukpong: 0.0	Generally clear/dry weather forecasted. Daily maximum and
mm (up to 25 <sup>th</sup> Jan)	minimum temperature for the following period is predicted to be 17-
	18°C and 05-06°C respectively. Expected morning and evening
	relative humidity will be 88-92% and 36-54% respectively. Wind
	direction is mainly NW & SSW with speed range of 5-6 kmph.
Warning:	Moderate to dense fog likely to occur at isolated places

### 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	

) ( :	77	1	FIELD CROPS
Maize	Vegetative/	Rats	Prepare field for sowing of crop,
	Maturity/		<ul> <li>Protect the crop against attack of rats using locally available</li> </ul>
	Harvesting		traps,
			When rat menace has occurred application of multi dose
			rodenticide like bromadiolone with proper consultation with
			experts is advised.
	I =	,	VEGETABLES
otato	Vegetative stage/	Late blight	• In present weather conditions harvesting of mature crops
	Harvesting stage		may be done,
			Regularly monitor against the disease symptoms.
			Prominent symptoms include small, dark, circular to
			irregular shaped lesion in the leaves
			• Prophylactic spraying of Mancozeb @ 2 gram per 4 litres of water is advised
Cabbage/	Harvesting		Harvest mature crop.
Cauliflower	Tim vesting		<ul> <li>Constantly monitor against attack of insects pests/mole.</li> </ul>
		HORT	ICULTURAL CROPS
emperate fruits	After harvesting		Training & pruning of the temperate crops (apple/pears/peach)
r			is recommended
			• In case of flowering, stop spraying insecticides/pesticides
Banana	Bunching	Cold	Cover newly emerged bunches with locally available sack to
			protect from cold/frost
Citrus	Maturity/	Fruit Drop	Harvest the mature fruit with stalk and store in dry places.
	harvesting	Fruit Fly	• Collect & dispose rotten fallen fruits/ install fruit-fly traps
		Gummosis	<ul> <li>Dead wood pruning may be done after harvesting of crop</li> </ul>
			followed by spraying of fungicide, Carbendazim @ 1gm/lit of
			water.
			Breakdown the soil collected around the tree trunk
			Honey Bees
Honey bees			<ul> <li>Provide sugar syrup near the box</li> </ul>
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·	- G	ı	Add insulation and ventilation systems  LIVESTOCKS
Honey bees  Livestock	Stage	Disease	Add insulation and ventilation systems  LIVESTOCKS  Precautionary Practices to be followed
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Livestock  • Damaged gr	rain (not fungus co	Disease	Add insulation and ventilation systems  LIVESTOCKS  Precautionary Practices to be followed  General e diverted for Poultry/livestock feeding
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Livestock  Damaged gr Clean drink Fishery	rain (not fungus co	Disease  Intaminated) to be ensured round  FMD (high fever and appearance of mucous	<ul> <li>Add insulation and ventilation systems</li> <li>LIVESTOCKS         Precautionary Practices to be followed         General         e diverted for Poultry/livestock feeding         the clock and water troughs/feeders should be regularly cleaned,</li> <li>Keep fish stoking density thin @1200/ha</li> <li>Avoid dampness and cover weak and sick animals with sack cloth.</li> <li>Animals should be given lukewarm feed and water.</li> </ul>
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Livestock  Damaged gr Clean drink Fishery Pigs  Cattle	All stages	Disease  Intaminated) to be ensured round  FMD (high fever and appearance of mucous membrane of the mouth and foot.)  Swine Fever	Precautionary Practices to be followed  General e diverted for Poultry/livestock feeding the clock and water troughs/feeders should be regularly cleaned,  • Keep fish stoking density thin @1200/ha  • Avoid dampness and cover weak and sick animals with sack cloth.  • Animals should be given lukewarm feed and water.  • Right time to deworm with anti helmetic drugs (particularly Tapeworms) viz. Fento Plus @ 1 tablet per 30 kg body weight Provide proper bedding materials especially to new-born piglets and lukewarm food & water  • Animals should be given lukewarm feed and water.  • Right time to deworm with anti helmetic drugs (particularly Tapeworms) viz. Fento Plus @ 1 tablet per 30 kg body weight.  • Provide proper bedding materials especially to new-born and lukewarm food & water  • Heavy mortality in cloven footed animals has been reported.  • Supportive treatment of infected animals under supervision of veterinary department officials,  • Avoid mixing of infected and healthy animals,  • Keep infected animals separated from the healthy ones,  • Vaccinate the healthy animals against FMD (Through State Veterinary Dept.)  • Provide feed supplements

		<ul> <li>Provide heat by lighting 100W bulb @ 1 bulb per 20 newly born chicks.</li> </ul>	
Mithun	FMD	<ul> <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			

Agrometeorological Field Unit ICAR, BASAR

## **Agro-met Advisory Bulletin**

(Period: 31st January to 2nd February 2018)



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: AMFU-Basar/2018/09** 

**Dated: Tue, 30th January 2018** 



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

Weather summery of the previous week	Weather forecast valid up to 4 <sup>th</sup> February 2018
<b>Basar:</b> Rainfall = $0.0$ mm. T. Max: $19.0$ °C,	Mostly/partly cloudy with possibility of light/moderate rainfall
T. Min: 5.5°C, RH: 52-97%, Wind Speed: 3-	after 2 <sup>nd</sup> Feb. Daily maximum and minimum temperature for the
5 kmph, Wind Direction: ENE & NNE	following period is predicted to be 22-23°C and 09-10°C
	respectively. Expected morning and evening relative humidity will
	be 70-79% and 41-52% respectively. Wind direction is mainly W &
	WNW with speed range of 4-6 kmph.
Warning:	Rain in few isolated places

#### 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
Main	X7		FIELD CROPS
Maize	Vegetative/ Maturity/ Harvesting	Rats	<ul> <li>Prepare field for sowing of crop,</li> <li>Protect the crop against attack of rats using locally available traps,</li> <li>When rat menace has occurred application of multi dose rodenticide like bromadiolone with proper consultation with experts is advised.</li> </ul>
Pea	Vegetative	Powdery mildew/ leaf eating insects	<ul> <li>Need based foliar spray of Dinocap (0.2%) or Carbendazim 50WP (0.1%) or Propiconazole (0.1%) using stickers in case of rainfall.</li> <li>On clear weather, spray of Azadirachtin 0.15% EC @ 6ml/lit against leaf eating insects or using stickers in case of rainfall</li> </ul>
Mustard	Vegetative	Aphid	<ul> <li>When population level is high spraying of Dimethoate @ 4 ml per litre of water is advised using stickers in case of rainfall</li> </ul>
			VEGETABLES
Potato	Vegetative stage/ Harvesting stage	Late blight	<ul> <li>In present weather conditions harvesting of mature crops may be done,</li> <li>Regularly monitor against the disease symptoms. Prominent symptoms include small, dark, circular to irregular shaped lesion in the leaves</li> <li>Prophylactic spraying of Mancozeb @ 2 gram per 4 litres of water is advised</li> </ul>
Cabbage/	Harvesting		Harvest mature crop.
Cauliflower	N		Constantly monitor against attack of insects pests/mole.
Ginger/ Turmeric	Maturity		<ul> <li>Harvest the mature crop,</li> <li>Cure should be taken while harvest so that the rhizome is not damaged,</li> </ul>
		HORT	TICULTURAL CROPS
Pineapple	Harvesting		After winter harvest, collection/Selection of suckers & slip to be done for next season planting
Temperate fruits	After harvesting		Training & pruning of the temperate crops (apple/pears/peach) is recommended
Citrus	Maturity/ harvesting	Bark eating caterpillar, Trunk borer, Blue & Green mould	<ul> <li>In case of flowering, stop spraying insecticides/pesticides</li> <li>Orange (only if harvesting is over): Go for drenching with Dichlorovos 76 EC@0.05% against trunk-borer.</li> <li>Against Blue &amp; Green mould, spray Imazalil 34 WP @ 1g/lit using stickers in case of rainfall. Prune away the diseased portion of the plant.</li> <li>In case of Bark eating caterpillar, remove the wooden frass present in between the joints of the trunk and inject Dichlorovos (DDVP) 76 EC 0.1 percent @ 5ml in the larval tunnel with the help of disposable syringe and push cotton swab soaked in Dichlorovos solution in the larval tunnel.</li> </ul>
Banana	Bunching	Cold	<ul> <li>Cover newly emerged bunches with locally available sack to protect from cold/frost</li> <li>Mulching with straw/crop residue at root zone to avoid frost injury in banana.</li> </ul>
Large Cardamom	Fruiting	Chirkey Disease	Remove dry/diseased/old tillers & branches & spray Bio NPK@ 2ml/lit water for proper growth using stickers in case of rainfall.
			Honey Bees
Honey bees			Cover the boxes with locally available dry grass or straw to provide warmt
			LIVESTOCKS
Livestock	Stage	Disease	General
			be diverted for Poultry/livestock feeding I the clock and water troughs/feeders should be regularly cleaned,
- Cican unik	All stages	oe ensureu roullu	and crock and water it bugnerictues should be regularly cleaned,

			using gunny bags/plastic sheets around the poultryshed during	
			night,	
			• Provide heat by lighting 100W bulb @ 1 bulb per 20 newly	
			born chicks.	
Pigs	All stages	FMD (high fever	Avoid dampness and cover weak and sick animals	
		and appearance	with sack cloth.	
		of mucous	<ul> <li>Animals should be given lukewarm feed and water.</li> </ul>	
		membrane of the	<ul> <li>Right time to deworm with anti helmetic drugs (particularly</li> </ul>	
		mouth and foot.)	Tapeworms) viz. Fento Plus @ 1 tablet per 30 kg body weight.	
		Swine Fever	<ul> <li>Provide proper bedding materials especially to new-born</li> </ul>	
			piglets and lukewarm food & water	
Cattle	All stages	FMD	<ul> <li>Animals should be given lukewarm feed and water.</li> </ul>	
			<ul> <li>Right time to deworm with anti helmetic drugs</li> </ul>	
			(particularly Tapeworms) viz. Fento Plus @ 1 tablet per 30 kg body weight.	
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			months of age and repeat after that 6 months interval by sub-	
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