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

(Period: 10th to 12th January 2018)

ग्रामीण कृषि मौसम सेवा



#### GRAMIN KRISHI MAUSAM SEWA

(Integrated Agro-Meteorological Advisory Services)

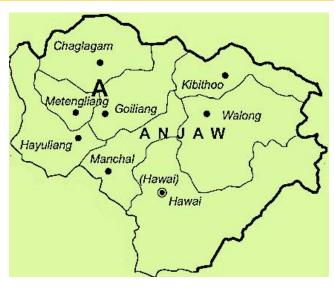


AMFU, ICAR Research Complex for NEH Region Arunachal Pradesh Centre, Basar-791101

**District: Anjaw** 

### No: AMFU-Basar/2018/03

Dated: Tue, 9th January 2018



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

Weather summery of the previous week	Weather forecast valid up to 14 <sup>th</sup> Jan'2018
No weather summary available	<b>Generally clear/dry weather forecasted.</b> Daily maximum and minimum temperature for the following period is predicted to be 16-17°C and 06-07°C respectively. Expected morning and evening relative humidity will be 75-81% and 22-38% respectively. Wind direction is mainly SE and a 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
Mustard	Vegetative	White rust/ Downey mildew	<ul> <li>Need-based foliar spray of Metalaxyl+Dithane M-45 @ 2.5g/lit at 15 days intervalfor management of White rust/Downy mildew in mustard</li> </ul>
Pea	Vegetative	Cut-worm	<ul> <li>Regular monitoring of crop against attack of cutworm is advised,</li> </ul>
Rice	Harvesting		<ul><li>Sun-dry &amp; properly winnow the grains for safe storage.</li><li>In case of rain delay harvesting</li></ul>
Black Gram & Green Gram	Vegetative	Powdery mildew	<ul> <li>Need based foliar spray of Sulfex@2g/lit water to control powdery mildew in black/green gram/pea</li> </ul>
	I		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>
Cabbage/ Cauliflower/ Knolkhol/ Others	Maturity/ harvesting	Leaf eating caterpillars/ Aphids	<ul> <li>Light irrigation is essential,</li> <li>In present weather conditions severe attack of leaf eating caterpillars has been reported. Spray Azadirachtin(0.015%) @6ml/litre of water when weather is clear.</li> <li>Spray with neem based pesticides against aphids</li> </ul>
Potato	Vegetative	Red Ants/ Late blight/ Alternaria blight	<ul> <li>Weeding and application of fertilizer as per recommended doses is suggested in potato.</li> <li>Spray Indofil m-45 at regular interval of 7 days in potato/tomato against Alternaria blight</li> <li>Ridge should be properly made,</li> <li>Red Ants: - Drenching with Chlorpyriphos @ 2 ml per litre of water,</li> <li>Foliar spray of Dithane M-45@2.5g/litre of water for management of potato late blight.</li> </ul>
			TICULTURAL CROPS
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>
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>
Temperate fruits	After harvesting		<ul> <li>Training &amp; pruning of the temperate crops (apple/pears/peach) is recommended</li> </ul>
			LIVESTOCKS
Livestock	Stage	Disease	Precautionary Practices to be followed
Poultry	All stages	DISCUST	<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>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>		
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 So	Contact Scientists (ICAR) or State Agril Staff or KVK staff for measures against adverse conditions or call at 03795- 226237/226247				

## **Agro-met Advisory Bulletin**

(Period: 10th to 12th January 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: Changlang** 

No: AMFU-Basar/2018/03

Dated: Tue, 9th January 2018



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

Weather summery of the previous week	Weather forecast valid up to 14 <sup>th</sup> Jan'2018
Rainfall = Changlang: 0.0 mm Miao: 0.0	Generally clear/dry weather forecasted. Daily maximum and
mm	minimum temperature for the following period is predicted to be 22-
	23°C and 08-09°C respectively. Expected morning and evening
	relative humidity will be 83-85% and 19-32% 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	DIDID	Precautionary Practices to be followed CROPS
N/ / 1	<b>T</b> 7 4 4°		ı	
Mustard	Vegetative	Aphid	•	When population level is high spraying of Dimethoate @ 4
Rice	Hamvastina			ml per litre of water is advised
Rice	Harvesting		•	Sun-dry & properly winnow the grains for safe storage.
Dag	Vacatativa	Cut womm	•	In case of rain delay harvesting
Pea	Vegetative	Cut-worm	•	Regular monitoring of crop against attack of cutworm is
				advised,
			•	Spray neem-based insecticides against leaf eating insects
Black Gram &	Vegetative	Powdery	•	Need based foliar spray of Sulfex@2g/lit water to control
Green Gram		mildew		powdery mildew in black/green gram/pea
			<b>VEGE</b> 1	ABLES
Potato	Vegetative	Red Ants/	•	Weeding and application of fertilizer as per recommended
		Late blight/		doses is suggested in potato.
		Alternaria blight	•	Spray Indofil m-45 at regular interval of 7 days in
				potato/tomato against Alternaria blight
			•	Ridge should be properly made,
			•	Red Ants: - Drenching with Chlorpyriphos @ 2 ml per litre of
				water,
			•	Foliar spray of Dithane M-45@2.5g/litre of water for
				management of potato late blight.
Cabbage/	Maturity/	Leaf eating	•	Light irrigation is essential,
Cauliflower/	Harvesting	caterpillars/	•	In present weather conditions severe attack of leaf eating
Knolkhol/		Aphids		caterpillars has been reported. Spray Azadirachtin(0.015%)
Others				@6ml/litre of water when weather is clear.
			•	Spray with neem based pesticides against aphids
Ginger/ Turmeric	Maturity		•	Harvest the mature crop,
			•	Cure should be taken while harvest so that the
				rhizome is not damaged,
		HORT	ICULT	URAL CROPS
Citrus	Maturity/	Bark eating	•	In case of Bark eating caterpillar, remove the wooden frass
	harvesting	caterpillar, Gummosis	•	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. Collect dropped fruits & dispose by putting in airtight bags or burry deep in ground.  Harvest the mature fruit with stalk and store in dry places. Dead wood pruning may be done after harvesting of crop followed by spraying of fungicide, Carbendazim @ 1gm/lit of water.  Breakdown the soil collected around the tree trunk
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.
Large Cardamom	Fruiting	Chirkey Disease	•	Remove dry/diseased/old tillers & branches & spray
				Bio NPK@ 2ml/lit water for proper growth.
			Hone	y Bees
		T		Box must be covered with straw/dry leaves to provide
Honey bees			. •	Dox must be covered with shawfully leaves to provide
Honey bees			•	•
Honey bees				warmth
Honey bees			•	warmth Provide sugar syrup
			•	warmth Provide sugar syrup TOCKS
Honey bees  Livestock	Stage	Disease	LIVES	warmth Provide sugar syrup  TOCKS  Precautionary Practices to be followed
Livestock	_		LIVES Ger	warmth Provide sugar syrup  TOCKS  Precautionary Practices to be followed neral
Livestock  • Damaged gr	rain (not fungus c	contaminated) to b	LIVES Ger	warmth Provide sugar syrup  TOCKS  Precautionary Practices to be followed neral ed for Poultry/livestock feeding
Livestock  • Damaged gr • Clean drink	ain (not fungus c ing water should	contaminated) to b	LIVES Ger	warmth Provide sugar syrup  TOCKS  Precautionary Practices to be followed neral ed for Poultry/livestock feeding k and water troughs/feeders should be regularly cleaned,
Livestock  • Damaged gr • Clean drink Goat	rain (not fungus c ing water should All stages	ontaminated) to b	Gere diverte the cloc	warmth Provide sugar syrup  TOCKS  Precautionary Practices to be followed  neral ed for Poultry/livestock feeding k and water troughs/feeders should be regularly cleaned,  Deworming for gastrointestinal parasite
Livestock  • Damaged gr • Clean drink	ain (not fungus c ing water should	ontaminated) to be ensured round FMD (high fever	Gere diverte the cloc	warmth Provide sugar syrup  TOCKS  Precautionary Practices to be followed neral ed for Poultry/livestock feeding k and water troughs/feeders should be regularly cleaned,
Livestock  • Damaged gr • Clean drink Goat	rain (not fungus c ing water should All stages	ontaminated) to be ensured round  FMD (high fever and appearance	Gere diverte the cloc	warmth Provide sugar syrup  TOCKS  Precautionary Practices to be followed  neral ed for Poultry/livestock feeding k and water troughs/feeders should be regularly cleaned,  Deworming for gastrointestinal parasite
Livestock  • Damaged gr • Clean drink Goat	rain (not fungus c ing water should All stages	ontaminated) to be ensured round  FMD (high fever and appearance of mucous	Ger diverte the cloc	warmth Provide sugar syrup  TOCKS  Precautionary Practices to be followed  neral ed for Poultry/livestock feeding k and water troughs/feeders should be regularly cleaned, Deworming for gastrointestinal parasite  Avoid dampness and cover weak and sick animals with sack cloth.  Animals should be given lukewarm feed and water.
Livestock  • Damaged gr • Clean drink Goat	rain (not fungus c ing water should All stages	ontaminated) to be ensured round  FMD (high fever and appearance	Ger diverte the cloc	warmth Provide sugar syrup  TOCKS  Precautionary Practices to be followed neral ed for Poultry/livestock feeding k and water troughs/feeders should be regularly cleaned, Deworming for gastrointestinal parasite  Avoid dampness and cover weak and sick animals with sack cloth.

		Swine Fever	<ul> <li>Provide proper bedding materials especially to new-born piglets and lukewarm food &amp; water</li> </ul>
Cattle	All stages	FMD	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.
			<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>
			• Vaccinate the healthy animals against FMD (Through State
			Veterinary Dept.)
			<ul> <li>Provide feed supplements</li> </ul>
Poultry	All stages		<ul> <li>Day old chick-Maintain warmth by lighting,</li> </ul>
			• In present weather conditions protect the birds from cold
			by using gunny bags/plastic sheets around the poultryshed
			during night,
			• Provide heat by lighting 100W bulb @ 1 bulb per 20 newly
			born chicks.

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: 10th to 12th January 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: Dibang Valley** 

No: AMFU-Basar/2018/03

Dated: Tue, 9th January 2018



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

Weather summery of the previous week	Weather forecast valid up to 14 <sup>th</sup> Jan'2018
Rainfall = 10.0 mm (Anini)	Generally clear/dry weather forecasted. Daily maximum and
	minimum temperature for the following period is predicted to be 16-
	17°C and 06-07°C respectively. Expected morning and evening
	relative humidity will be 75-81% and 22-38% respectively. Wind
	direction is mainly SE with speed range of 4-6 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
Rice	Harvesting		FIELD CROPS  Sun day & properly winness the grains for safe storage
Ricc	Traivesting		<ul><li>Sun-dry &amp; properly winnow the grains for safe storage.</li><li>In case of rain delay harvesting</li></ul>
Black Gram &	Vegetative		Need based foliar spray of Sulfex@2g/lit water to control
Green Gram			powdery mildew in black/green gram/pea
Pea	Vegetative	Leaf eating	Provide irrigation to plants
		insects	Mulching with locally available materials like straw/dray grass
			to retain soil moisture
			<ul> <li>Spray neem-based pesticides against leaf eating insects</li> </ul>
			VEGETABLES
Potato	Vegetative	Red Ants/	Weeding and application of fertilizer as per recommended
		Late blight/	doses is suggested in potato.
		Alternaria blight	<ul> <li>Spray Indofil m-45 at regular interval of 7 days in</li> </ul>
			potato/tomato against Alternaria blight
			<ul> <li>Ridge should be properly made,</li> </ul>
			• Red Ants: - Drenching with Chlorpyriphos @ 2 ml per litre of
			water,
			<ul> <li>Foliar spray of Dithane M-45@2.5g/litre of water for management of potato late blight.</li> </ul>
Cabbage/	Maturity/	Leaf eating	Light irrigation is essential,
Cauliflower/	Harvesting	caterpillars/	<ul> <li>In present weather conditions severe attack of leaf eating</li> </ul>
Knolkhol/		Aphids	caterpillars has been reported. Spray Azadirachtin(0.015%)
Others		-	@6ml/litre of water when weather is clear.
			<ul> <li>Spray with neem based pesticides against aphids</li> </ul>
	_	HOR	TICULTURAL CROPS
Citrus	Maturity/	Bark eating	• In case of Bark eating caterpillar, remove the wooden frass
	harvesting	caterpillar,	present in between the joints of the trunk and inject
		Gummosis	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.
			<ul> <li>Collect dropped fruits &amp; dispose by putting in airtight bags or</li> </ul>
			burry deep in ground.
			<ul> <li>Harvest the mature fruit with stalk and store in dry places.</li> </ul>
			<ul> <li>Dead wood pruning may be done after harvesting of crop</li> </ul>
			followed by spraying of fungicide, Carbendazim @ 1gm/lit of
			water.
	- 1.	G 11	Breakdown the soil collected around the tree trunk
Banana	Bunching	Cold	• Cover newly emerged bunches with locally available sack to
			protect from cold/frost  Mulching with straw/oran residue at reat zone to avoid
			<ul> <li>Mulching with straw/crop residue at root zone to avoid frost injury in banana.</li> </ul>
Temperate fruits	After harvesting		<ul> <li>Training &amp; pruning of the temperate crops (apple/pears/peach)</li> </ul>
Temperate frames	Tireer man veganing		is recommended
Large Cardamom	Fruiting	Chirkey Disease	Remove dry/diseased/old tillers & branches & spray
	110101119	21111109 2130430	Bio NPK@ 2ml/lit water for proper growth.
			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	rain (not fungus co	ontaminated) to b	e diverted for Poultry/livestock feeding
0 0		be ensured round	the clock and water troughs/feeders should be regularly cleaned,
Pigs	All stages	FMD (high fever	*
		and appearance	with sack cloth.
		of mucous	<ul> <li>Animals should be given lukewarm feed and water.</li> </ul>
		membrane of the mouth and foot.)	Right time to deworm with anti helmetic drugs (particularly)
		Swine Fever	Tapeworms) viz. Fento Plus @ 1 tablet per 30 kg body weight.
		Swine i ever	Provide proper bedding materials especially to new-born  provide and below are fined for water.    Provide proper bedding materials especially to new-born    Provide proper bedding materials especially to new-born
Couls	A 11 a4a a	EMD	piglets and lukewarm food & water
Cattle	All stages	FMD	Animals should be given lukewarm feed and water.      Dight time to deworm with entired rugs.
			• Right time to deworm with anti helmetic drugs (particularly Tapeworms) viz. Fento Plus @ 1 tablet per 30
	<u> </u>		(particularly rapeworms) viz. remorius @ r tablet per 30

Poultry	All stages		<ul> <li>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		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>		
Contact Scient	Contact Scientists (ICAR) or State Agril Staff or KVK staff for measures against adverse conditions or call at 03795- 226237/226247				

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

( Period: 10th to 12th January 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/2018/03

Dated: Tue, 9th January 2018



Weather summery of the previous week	Weather forecast valid up to 14 <sup>th</sup> Jan'2018
Rainfall = 0.0 mm	Generally clear/dry weather forecasted. Daily maximum and minimum temperature for the following period is predicted to be 20-21°C and 06-07°C respectively. Expected morning and evening relative humidity will be 81-86% and 30-34% respectively. Expected wind direction is mainly SE with speed range of 5-6 kmph.
Warning:	Moderate to dense fog likely to occur at 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	<b>Precautionary Practices to be followed</b>
			FIELD CROPS
Mustard	Vegetative	Aphid	<ul> <li>When population level is high spraying of Dimethoate @ 4 ml per litre of water is advised</li> </ul>
Rice	Harvesting		<ul> <li>Sun-dry &amp; properly winnow the grains for safe storage.</li> <li>In case of rain delay harvesting</li> </ul>
Pea	Sowing		<ul> <li>Treat pea with rhizobium@2gm/kg seed before sowing or treat</li> </ul>
			<ul><li>with carbendazim @ 2g/kg seed before sowing</li><li>Provide irrigation to plants</li></ul>
			<ul> <li>Complete sowing by 1<sup>st</sup> fortnight of Nov. for better yield</li> </ul>
Soybean	Harvesting		Immediately harvest soybean & thoroughly dry in sun.
G: /E			VEGETABLES
Ginger/ Turmeric	Maturity		<ul><li>Harvest the mature crop,</li><li>Cure should be taken while harvest so that the</li></ul>
			rhizome is not damaged,
Potato	Vegetative	Red Ants/ Late blight/	<ul> <li>Weeding and application of fertilizer as per recommended doses is suggested in potato.</li> </ul>
		Alternaria blight	<ul> <li>Spray Indofil m-45 at regular interval of 7 days in</li> </ul>
			potato/tomato against Alternaria blight
			<ul> <li>Ridge should be properly made,</li> <li>Red Ants: - Drenching with Chlorpyriphos @ 2 ml per litre of</li> </ul>
			water,
			<ul> <li>Foliar spray of Dithane M-45@2.5g/litre of water for management of potato late blight.</li> </ul>
Cabbage/	Maturity	Leaf eating	Light irrigation is essential,
Cauliflower/	Ž	caterpillars/	• In present weather conditions severe attack of leaf eating
Knolkhol/ Others		Aphids	caterpillars has been reported. Spray Azadirachtin(0.015%) @6ml/litre of water when weather is clear.
Others			<ul> <li>Spray with neem based pesticides against aphids</li> </ul>
		HOR	TICULTURAL CROPS
Citrus	Maturity/	Bark eating	• In case of Bark eating caterpillar, remove the wooden frass
	harvesting	caterpillar, Gummosis	present in between the joints of the trunk and inject Dichlorovos (DDVP) 76 EC 0.1 percent @ 5ml in the larval
		Guilliosis	tunnel with the help of disposable syringe and push cotton
			swab soaked in Dichlorovos solution in the larval tunnel.
			<ul> <li>Collect dropped fruits &amp; dispose by putting in airtight bags or burry deep in ground.</li> </ul>
			<ul> <li>Harvest the mature fruit with stalk and store in dry places.</li> </ul>
			Dead wood pruning may be done after harvesting of crop
			followed by spraying of fungicide, Carbendazim @ 1gm/lit of water.
			Breakdown the soil collected around the tree trunk
Banana	Bunching	Cold	<ul> <li>Cover newly emerged bunches with locally available sack to protect from cold/frost</li> </ul>
			<ul> <li>Mulching with straw/crop residue at root zone to avoid</li> </ul>
Lawa Cantana	Til	Chi dan Diana	frost injury in banana.
Large Cardamom	Flowering stage	Chirkey Disease (fungal inection)	<ul> <li>Mulching with locally available materials like dry grass/paddy straw recommended</li> </ul>
		&	Remove diseased part & keep inflorescence clean.
		Chirke and Foorkey (virus	Uproot & burn virus infected plants
		infection)	
Pineapple	Active		Mulching with locally available materials like dry grass/paddy
	vegetative		<ul><li>straw recommended</li><li>Remove excess suckers to increase fruit size and improve</li></ul>
Cinco-/T	Caadii		quality.
Ginger/Turmeric	Seedling		<ul> <li>Mulching with locally available materials like dry grass/paddy straw recommended</li> </ul>
			Proper drainage to be done and avoid water stagnation  The stagnation of the st
			<ul> <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		
	General  Damaged grain (not fungus contaminated) to be diverted for Poultry/livestock feeding  Clean drinking water should be ensured round 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>		
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 (ICAR) or State Agril Staff or KVK staff for measures against adverse conditions or call at 03795- 226237/226247					

## **Agro-met Advisory Bulletin**

(Period: 10th to 12th January 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 Siang** 

No: AMFU-Basar/2018/03

Dated: Tue, 9th January 2018



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

Weather summery of the previous week	Weather forecast valid up to 14 <sup>th</sup> Jan'2018
Rainfall: 4.6 mm; T. Max: 25.0°C; T. Min:	Generally clear/dry weather forecasted. Daily maximum and
13.0°C; RH: 62-90%	minimum temperature for the following period is predicted to be 21-
	23°C and 07-08°C respectively. Expected morning and evening
	relative humidity will be 71-75% and 22-32% respectively.
	Expected wind direction is mainly S with speed range of 5-6 kmph.
Warning:	Moderate to dense fog likely to occur at 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
			FIELD	CROPS
Mustard	Vegetative	Aphid	•	When population level is high spraying of Dimethoate @ 4 ml per litre of water is advised
Rice	Harvesting		•	Sun-dry & properly winnow the grains for safe storage. In case of rain delay harvesting
Pea	Vegetative	Leaf eating	•	Provide irrigation to plants
		insects	•	Mulching with locally available materials like straw/dray grass
				to retain soil moisture
			•	Spray neem-based pesticides against leaf eating insects
Maize	Harvesting	Rat	•	Harvest mature cobs and dry properly before storing
			•	Use locally available traps to control rats menace
			VEGE:	<u> </u>
Ginger/ Turmeri	ic Maturity		•	Harvest the mature crop,
			•	Cure should be taken while harvest so that the
				rhizome is not damaged,
Potato	Vegetative	Red Ants/	•	Weeding and application of fertilizer as per recommended
		Late blight/		doses is suggested in potato.
		Alternaria blight	•	Spray Indofil m-45 at regular interval of 7 days in
				potato/tomato against Alternaria blight
			•	Ridge should be properly made,
			•	Red Ants: - Drenching with Chlorpyriphos @ 2 ml per litre of water,
				Foliar spray of Dithane M-45@2.5g/litre of water for
				management of potato late blight.
Cabbage/	Maturity/	Leaf eating	•	Light irrigation is essential,
Cauliflower/	Harvesting	caterpillars/	•	In present weather conditions severe attack of leaf eating
Knolkhol/		Aphids		caterpillars has been reported. Spray Azadirachtin(0.015%)
Others				@6ml/litre of water when weather is clear.
			•	Spray with neem based pesticides against aphids
			ICULT	TURAL CROPS
Citrus	Maturity/	Bark eating	•	In case of Bark eating caterpillar, remove the wooden frass
	harvesting	caterpillar, Gummosis		present in between the joints of the trunk and inject
		Guillilosis		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.
			•	Collect dropped fruits & dispose by putting in airtight bags or
				burry deep in ground.
			•	Harvest the mature fruit with stalk and store in dry places.
			•	Dead wood pruning may be done after harvesting of crop
				followed by spraying of fungicide, Carbendazim @ 1gm/lit of
			•	water. Breakdown the soil collected around the tree trunk
Banana	All stages	Sigatoka Leaf	•	One sword sucker may be allowed after shooting (Flowering),
Danana	7 III stages	spot	•	Periodical removal of side suckers by cutting them above the
		1		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
Kiwi	Harvesting		•	Should be harvested by snapping their stalks
			•	Fruit should be stored boxes containing cushioning materials
			Uona	and transported to the market in hard condition.
Honey bees				
Tioney dees			•	Cover the boxes with locally available dry grass or straw to provide warmth
			LIVES	STOCKS
Livestock	Stage	Disease		Precautionary Practices to be followed
		220000	Ge	neral
Damaged 9	grain (not fungus c	ontaminated) to b		ed for Poultry/livestock feeding
				ck and water troughs/feeders should be regularly cleaned,
Pigs	All stages	FMD (high fever		Avoid dampness and cover weak and sick animals
		and appearance		with sack cloth.
		of mucous	•	Animals should be given lukewarm feed and water.
		membrane of the	•	Right time to deworm with anti helmetic drugs (particularly
			ī	C

		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>
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		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>
Contact Scien	ntists (ICAR) or	•	or KVK staff for measures against adverse conditions or call 195-226237/226247

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

(Period: 10th to 12th January 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/2018/03

Dated: Tue, 9th January 2018



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

Weather summery of the previous week	Weather forecast valid up to 14 <sup>th</sup> Jan'2018
Past weather summary not available	Generally clear/dry weather forecasted Daily maximum and
	minimum temperature for the following period is predicted to be 14-
	15°C and 04-05°C respectively. Expected morning and evening
	relative humidity will be 73-75% and 22-45% respectively. Wind
	direction is mainly S & SSW with wind speed range of 4-11 kmph.
Warning	Moderate to dense fog likely to occur at 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
Rice	Harvesting		<ul><li>FIELD CROPS</li><li>Sun-dry &amp; properly winnow the grains for safe storage.</li></ul>
Black Gram & Green Gram	Vegetative		<ul> <li>Need based foliar spray of Sulfex@2g/lit water to control powdery mildew in black/green gram/pea</li> </ul>
Maize	Harvesting	Rat	Harvest mature cobs and dry properly before storing
			Use locally available traps to control rats menace  VEGETABLES
Potato	Vegetative	Red Ants/	Weeding and application of fertilizer as per recommended
1 0 000	, egettist , e	Late blight/	doses is suggested in potato.
		Alternaria blight	
			potato/tomato against Alternaria blight
			Ridge should be properly made,      Red Ante: Droppling with Chlorovriphes @ 2 ml per litre of
			• Red Ants: - Drenching with Chlorpyriphos @ 2 ml per litre of water,
			• Foliar spray of Dithane M-45@2.5g/litre of water for
			management of potato late blight.
Cabbage/ Cauliflower/	Maturity/ Harvesting	Leaf eating	Light irrigation is essential,
Knolkhol/	Hai vesting	caterpillars/ Aphids	• In present weather conditions severe attack of leaf eating caterpillars has been reported. Spray Azadirachtin(0.015%)
Others		r	@6ml/litre of water when weather is clear.
			Spray with neem based pesticides against aphids
			TCULTURAL CROPS
Citrus	Maturity/	Bark eating	• In case of Bark eating caterpillar, remove the wooden frass
	harvesting	caterpillar, Gummosis	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.
			<ul> <li>Collect dropped fruits &amp; dispose by putting in airtight bags or burry deep in ground.</li> </ul>
			<ul> <li>Harvest the mature fruit with stalk and store in dry places.</li> </ul>
			Dead wood pruning may be done after harvesting of crop
			followed by spraying of fungicide, Carbendazim @ 1gm/lit of
			<ul><li>water.</li><li>Breakdown the soil collected around the tree trunk</li></ul>
Banana	Bunching	Cold	<ul> <li>Breakdown the soil collected around the tree trunk</li> <li>Cover newly emerged bunches with locally available sack to</li> </ul>
Zununu	g	0010	protect from cold/frost
			Mulching with straw/crop residue at root zone to avoid
Peach	Doct homyosting		frost injury in banana.
reach	Post-harvesting		<ul> <li>Training &amp; pruning of diseased/criss-cross branches to harvest more solar energy &amp; for proper growth.</li> </ul>
Kiwi	Harvesting		Should be harvested by snapping their stalks
	_		• Fruit should be stored boxes containing cushioning materials
D' 1	G :		and transported to the market in hard condition.
Pineapple	Sowing		<ul> <li>Clean the vicinity of plants by weeding and loosen up the soil.</li> <li>Remove sly and use it as a new planting material.</li> </ul>
			<ul> <li>Sucker dipping treatment with Bavistin @ 3g + Chlorpyriphos</li> </ul>
			20EC@ 2ml/lt of water to protect against soil borne disease
			and insect.
Large Cardamom	Fruiting	Chirkey Disease	Remove dry/diseased/old tillers & branches & spray
			Bio NPK@ 2ml/lit water for proper growth.
			Honey Bees
			Box must be covered with straw/dry leaves to provide  wormth
			LIVESTOCKS
			General
Damaged gr	ain (not fungus c	ontaminated) to b	be diverted for Poultry/livestock feeding
Clean drink	ing water should	be ensured round	the clock and water troughs/feeders should be regularly cleaned,
Livestock	Stage	Disease	Precautionary Practices to be followed
Pigs	All stages	FMD (high fever	F
		and appearance of mucous	with sack cloth.  A nimals should be given lukewerm feed and weter
		membrane of the	<ul> <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.)	Tagas and to demonia man nomicue drugs (puriodidity

		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>
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</li> </ul>
			<ul> <li>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		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 S	_	f or KVK staff for measures against adverse conditions or call 3795-226237/226247

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

## **Agro-met Advisory Bulletin**

(Period: 10th to 12th January 2018)

ग्रामीण कृषि मौसम सेवा



### GRAMIN KRISHI MAUSAM SEWA

(Integrated Agro-Meteorological Advisory Services)

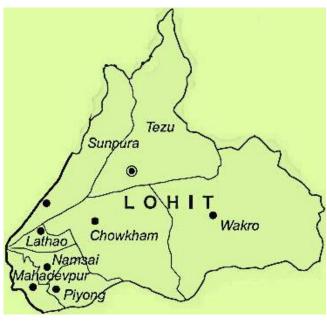


AMFU, ICAR Research Complex for NEH Region Arunachal Pradesh Centre, Basar-791101

**District: Lohit** 

No: AMFU-Basar/2018/02

Dated: Fri, 5th January 2018



Weather summery of the previous week	Weather forecast valid up to 14 <sup>th</sup> Jan'2018
Rainfall = 0.0 mm	Generally clear/dry weather forecasted. Daily maximum and
	minimum temperature for the following period is predicted to be 20-
	21°C and 04-06°C respectively. Expected morning and evening
	relative humidity will be 75-85% and 19-34% respectively. Wind
	direction is mainly ENE with speed range of 5-6 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 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
Mustard	Vegetative	Aphid	•	When population level is high spraying of Dimethoate @ 4 ml per litre of water is advised
Rice	Harvesting		•	Sun-dry & properly winnow the grains for safe storage. In case of rain delay harvesting
Pea	Vegetative	Leaf eating	•	Provide irrigation to plants
1 00	v egetative	insects	•	Mulching with locally available materials like straw/dray grass
			•	to retain soil moisture
		_	•	Spray neem-based pesticides against leaf eating insects
Maize	Harvesting	Rat	•	Harvest mature cobs and dry properly before storing Use locally available traps to control rats menace
			VEGE	TABLES
Ginger/ Turmeric	Maturity		•	Harvest the mature crop,
			•	Cure should be taken while harvest so that the
			•	rhizome is not damaged,
Potato	Vegetative	Red Ants/		Weeding and application of fertilizer as per recommended
rotato	vegetative	Late blight/	•	doses is suggested in potato.
		Alternaria blight	_	Spray Indofil m-45 at regular interval of 7 days in
		Anternaria origin	•	• •
			_	potato/tomato against Alternaria blight Ridge should be properly made,
			•	Red Ants: - Drenching with Chlorpyriphos @ 2 ml per litre of
			•	water,
			•	Foliar spray of Dithane M-45@2.5g/litre of water for
			•	management of potato late blight.
Cabbage/	Maturity	Leaf eating		Light irrigation is essential,
Cauliflower/	Widtailty	caterpillars/	•	In present weather conditions severe attack of leaf eating
Knolkhol/		Aphids	•	caterpillars has been reported. Spray Azadirachtin(0.015%)
Others				@6ml/litre of water when weather is clear.
			•	Spray with neem based pesticides against aphids
		HORT	ICIILT	TURAL CROPS
Large Cardamom	Fruiting	Chirkey Disease		Remove dry/diseased/old tillers & branches & spray
		,		Bio NPK@ 2ml/lit water for proper growth.
Citrus	Maturity/	Bark eating	•	In case of Bark eating caterpillar, remove the wooden frass
	harvesting	caterpillar,		present in between the joints of the trunk and inject
		Gummosis		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.
			•	Collect dropped fruits & dispose by putting in airtight bags or
			•	burry deep in ground.
			•	Harvest the mature fruit with stalk and store in dry places.
			•	Dead wood pruning may be done after harvesting of crop
				followed by spraying of fungicide, Carbendazim @ 1gm/lit of
				water.
			_	Breakdown the soil collected around the tree trunk
			•	breakdown the son confected around the tree trunk
Banana	All stages	Sigatoka Leaf	•	One sword sucker may be allowed after shooting (Flowering),
Banana	All stages	Sigatoka Leaf spot		
Banana	All stages		•	One sword sucker may be allowed after shooting (Flowering),
Banana	All stages		•	One sword sucker may be allowed after shooting (Flowering), Periodical removal of side suckers by cutting them above the
Banana	All stages		•	One sword sucker may be allowed after shooting (Flowering), Periodical removal of side suckers by cutting them above the ground level, scoop the core and pour 2 ml of kerosene in the
	·		•	One sword sucker may be allowed after shooting (Flowering), Periodical removal of side suckers by cutting them above the ground level, scoop the core and pour 2 ml of kerosene in the core,
Banana	All stages  Harvesting		•	One sword sucker may be allowed after shooting (Flowering), Periodical removal of side suckers by cutting them above the 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  Should be harvested by snapping their stalks
	·		•	One sword sucker may be allowed after shooting (Flowering), Periodical removal of side suckers by cutting them above the 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  Should be harvested by snapping their stalks Fruit should be stored boxes containing cushioning materials
	·		•	One sword sucker may be allowed after shooting (Flowering), Periodical removal of side suckers by cutting them above the 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  Should be harvested by snapping their stalks Fruit should be stored boxes containing cushioning materials and transported to the market in hard condition.
Kiwi	·		•	One sword sucker may be allowed after shooting (Flowering), Periodical removal of side suckers by cutting them above the 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  Should be harvested by snapping their stalks Fruit should be stored boxes containing cushioning materials and transported to the market in hard condition.
	·		•	One sword sucker may be allowed after shooting (Flowering), Periodical removal of side suckers by cutting them above the 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  Should be harvested by snapping their stalks Fruit should be stored boxes containing cushioning materials and transported to the market in hard condition.  Ey Bees  Cover the boxes with locally available dry grass or straw to
Kiwi	·		Hone	One sword sucker may be allowed after shooting (Flowering), Periodical removal of side suckers by cutting them above the 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  Should be harvested by snapping their stalks Fruit should be stored boxes containing cushioning materials and transported to the market in hard condition.  By Bees  Cover the boxes with locally available dry grass or straw to provide warmth
Kiwi Honey bees	Harvesting	spot	Hone	One sword sucker may be allowed after shooting (Flowering), Periodical removal of side suckers by cutting them above the 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  Should be harvested by snapping their stalks Fruit should be stored boxes containing cushioning materials and transported to the market in hard condition.  By Bees  Cover the boxes with locally available dry grass or straw to provide warmth
Kiwi	·		Hone	One sword sucker may be allowed after shooting (Flowering), Periodical removal of side suckers by cutting them above the 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  Should be harvested by snapping their stalks Fruit should be stored boxes containing cushioning materials and transported to the market in hard condition.  BY Bees  Cover the boxes with locally available dry grass or straw to provide warmth  STOCKS  Precautionary Practices to be followed
Kiwi Honey bees Livestock	Harvesting  Stage	Disease	Hone	One sword sucker may be allowed after shooting (Flowering), Periodical removal of side suckers by cutting them above the 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  Should be harvested by snapping their stalks Fruit should be stored boxes containing cushioning materials and transported to the market in hard condition.  Tocks  Precautionary Practices to be followed neral
Kiwi  Honey bees  Livestock  Damaged gr	Harvesting  Stage  Pain (not fungus of	Disease contaminated) to b	Hone  LIVES  Ge e divert	One sword sucker may be allowed after shooting (Flowering), Periodical removal of side suckers by cutting them above the 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  Should be harvested by snapping their stalks Fruit should be stored boxes containing cushioning materials and transported to the market in hard condition.  Ey Bees  Cover the boxes with locally available dry grass or straw to provide warmth  STOCKS  Precautionary Practices to be followed neral ed for Poultry/livestock feeding
Honey bees  Livestock  Damaged gr Clean drink	Harvesting  Stage  rain (not fungus of ing water should	Disease contaminated) to b be ensured round	Hone LIVES Ge e divert the clock	One sword sucker may be allowed after shooting (Flowering), Periodical removal of side suckers by cutting them above the 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  Should be harvested by snapping their stalks Fruit should be stored boxes containing cushioning materials and transported to the market in hard condition.  BY Bees  Cover the boxes with locally available dry grass or straw to provide warmth  STOCKS  Precautionary Practices to be followed neral ed for Poultry/livestock feeding ck and water troughs/feeders should be regularly cleaned,
Kiwi  Honey bees  Livestock  Damaged gr	Harvesting  Stage  Pain (not fungus of	Disease contaminated) to b	Hone LIVES Ge e divert the clock	One sword sucker may be allowed after shooting (Flowering), Periodical removal of side suckers by cutting them above the 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  Should be harvested by snapping their stalks Fruit should be stored boxes containing cushioning materials and transported to the market in hard condition.  Ey Bees  Cover the boxes with locally available dry grass or straw to provide warmth  STOCKS  Precautionary Practices to be followed neral ed for Poultry/livestock feeding

		of mucous membrane of the mouth and foot.) Swine Fever	<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 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		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>
Contact Scien	tists (ICAR) or	——————————————————————————————————————	or KVK staff for measures against adverse conditions or call 795-226237/226247

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

(Period: 10th to 12th January 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/2018/03

Dated: Tue, 9th January 2018



Weather summery of the previous week	Weather forecast valid up to 14 <sup>th</sup> Jan'2018
Rainfall = 17.9 mm (Roing)	Generally clear/dry weather forecasted. Daily maximum and
	minimum temperature for the following period is predicted to be 19-
	21°C and 05-06°C respectively. Expected morning and evening
	relative humidity will be 81-85% and 19-33% respectively. Wind
	direction is mainly S with speed range of 5-6 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
Maria	<b>T</b> 7 4 4*		FIELD CROPS
Mustard	Vegetative	Aphid	• When population level is high spraying of Dimethoate @ 4
Rice	Harvesting		ml per litre of water is advised
	Ū		Sun-dry & properly winnow the grains for safe storage.
Pea	Vegetative	Leaf-eating	<ul> <li>Provide irrigation to plants</li> </ul>
		insects	<ul> <li>Spray neem-based insecticides against leaf eating insects</li> </ul>
			VEGETABLES
Ginger/ Turmeric	Maturity		
Omger/ Turmerie	Wiaturity		<ul><li>Harvest the mature crop,</li><li>Cure should be taken while harvest so that the</li></ul>
			rhizome is not damaged,
Potato	Vegetative	Red Ants/	<ul> <li>Weeding and application of fertilizer as per recommended</li> </ul>
		Late blight/	doses is suggested in potato.
		Alternaria blight	• Spray Indofil m-45 at regular interval of 7 days in
			potato/tomato against Alternaria blight
			• Ridge should be properly made,
			• Red Ants: - Drenching with Chlorpyriphos @ 2 ml per litre of
			water,  Folior enroy of Dithono M 45@2 5 c/litro of water for
			<ul> <li>Foliar spray of Dithane M-45@2.5g/litre of water for management of potato late blight.</li> </ul>
Cabbage/	Maturity/	Leaf eating	Light irrigation is essential,
Caudiflower/	Harvesting	caterpillars/	<ul> <li>In present weather conditions severe attack of leaf eating</li> </ul>
Knolkhol/		Aphids	caterpillars has been reported. Spray Azadirachtin(0.015%)
Others		•	@6ml/litre of water when weather is clear.
			<ul> <li>Spray with neem based pesticides against aphids</li> </ul>
	l .	HORT	ICULTURAL CROPS
Citrus	Maturity/	Bark eating	• In case of Bark eating caterpillar, remove the wooden frass
	harvesting	caterpillar,	present in between the joints of the trunk and inject
		Gummosis	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.
			<ul> <li>Collect dropped fruits &amp; dispose by putting in airtight bags or</li> </ul>
			burry deep in ground.
			• Harvest the mature fruit with stalk and store in dry places.
			Dead wood pruning may be done after harvesting of crop
			followed by spraying of fungicide, Carbendazim @ 1gm/lit of
			<ul><li>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
Large Cardamom	Truiting	Chirkey Disease	Bio NPK@ 2ml/lit water for proper growth.
Banana	Multiple stages	Sigatoka Leaf	• One sword sucker may be allowed after shooting (Flowering),
Banana	With the stages	spot	<ul> <li>Periodical removal of side suckers by cutting them above the</li> </ul>
		spor	ground level, scoop the core and pour 2 ml of kerosene in the
			core,
			<ul> <li>Foliar spray of Propiconazole (e.g., Tilt) @ 1 ml per litre of</li> </ul>
			wate
			Honey Bees
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,
Pigs	All stages	FMD (high fever	<ul> <li>Avoid dampness and cover weak and sick animals</li> </ul>
		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.) Swine Fever	Tapeworms) viz. Fento Plus @ 1 tablet per 30 kg body weight.
a.	İ	Swille rever	<ul> <li>Provide proper bedding materials especially to new-born</li> </ul>
Cattle	All stages	FMD	piglets and lukewarm food & water  • Animals should be given lukewarm feed and water.

		<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 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	Deworming for gastrointestinal parasite

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: 10th to 12th January 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/2018/03

Dated: Tue, 9th January 2018



Weather summery of the previous week	Weather forecast valid up to 14 <sup>th</sup> Jan'2018
Rainfall = NA	Generally clear/dry weather forecasted. Daily maximum and
	minimum temperature for the following period is predicted to be 20-
	21°C and 06-07°C respectively. Expected morning and evening
	relative humidity will be 81-86% and 30-34% respectively. Wind
	direction is mainly SE & SSE with speed range of 5-6 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
Dog	Cowing		FIELD CROPS
Pea	Sowing		• Treat pea with rhizobium@2gm/kg seed before sowing or treat
			with carbendazim @ 2g/kg seed before sowing
			<ul> <li>Provide irrigation to plants</li> </ul>
			<ul> <li>Complete sowing by 1<sup>st</sup> fortnight of Nov. for better yield</li> </ul>
Soybean	Harvesting		<ul> <li>Immediately harvest soybean &amp; thoroughly dry in sun.</li> </ul>
Rice	Maturity/	Gundhi bug/	harvest the mature crop
	Harvesting	leaf folder/ rice	• proper sun-drying before storag
		skipper	
Maize	Harvesting	Rat	<ul> <li>Harvest mature cobs and dry properly before storing</li> </ul>
			<ul> <li>Use locally available traps to control rats menace</li> </ul>
			VEGETABLES
Potato	Vegetative	Red Ants/	Weeding and application of fertilizer as per recommended
		Late blight/	doses is suggested in potato.
		Alternaria blight	• Spray Indofil m-45 at regular interval of 7 days in
			potato/tomato against Alternaria blight
			• Ridge should be properly made,
			<ul> <li>Red Ants: - Drenching with Chlorpyriphos @ 2 ml per litre of water,</li> </ul>
			<ul> <li>Foliar spray of Dithane M-45@2.5g/litre of water for</li> </ul>
			management of potato late blight.
Cabbage/	Maturity/	Leaf eating	Light irrigation is essential,
Cauliflower/	Harvesting	caterpillars/	<ul> <li>In present weather conditions severe attack of leaf eating</li> </ul>
Knolkhol/		Aphids	caterpillars has been reported. Spray Azadirachtin(0.015%)
Others		-	@6ml/litre of water when weather is clear.
			<ul> <li>Spray with neem based pesticides against aphids</li> </ul>
		HORT	ICULTURAL CROPS
Banana	Bunching	Cold	Cover newly emerged bunches with locally available sack to
			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		<ul> <li>Training &amp; pruning of the temperate crops (apple/pears/peach) is recommended</li> </ul>
Citrus	Maturity/	Fruit Drop	<ul> <li>Harvest the mature fruit with stalk and store in dry places.</li> </ul>
	harvesting	Fruit Fly	• Collect & dispose rotten fallen fruits/ install fruit-fly traps
		Gummosis	Dead wood pruning may be done after harvesting of crop
			followed by spraying of fungicide, Carbendazim @ 1gm/lit of water.
			<ul> <li>Breakdown the soil collected around the tree trunk</li> </ul>
Pineapple	Sowing		<ul> <li>Clean the vicinity of plants by weeding and loosen up the soil.</li> </ul>
Ппсарыс	bowing		<ul> <li>Remove sly and use it as a new planting material.</li> </ul>
			<ul> <li>Sucker dipping treatment with Bavistin @ 3g + Chlorpyriphos</li> </ul>
			20EC@ 2ml/lt of water to protect against soil borne disease
			and insect.
			Agroforestry
Toko palm	Nursery		Filling of nursery polybags for raising of takopalm seedlings
TORO Pallii	11015C1 y		
	1		Honey Bees
Honey bees			<ul> <li>Box must be covered with straw/dry leaves to provide</li> </ul>
			warmth
			LIVESTOCKS
Livestock	Stage	Disease	Precautionary Practices to be followed
			General
0 0			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	with sack cloth.
		of mucous membrane of the	Animals should be given lukewarm feed and water.
	1	memorane or the	Dight time to derroom with anti-halmatic days (monticularly)
		mouth and foot	• 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.
		mouth and foot.) Swine Fever	

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	ACA P	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> <li>ff or KVK staff for measures against adverse conditions or call</li> </ul>

at 03795-226237/226247

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

(Period: 10th to 12th January 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/2018/02

Dated: Fri, 5<sup>th</sup> January 2018



Weather summery of the previous week	Weather forecast valid up to 14 <sup>th</sup> Jan'2018
Rainfall: 0.0 mm; T. Max: 26.0°C; T. Min: 10.0°C; RH: 67-87%	Generally clear/dry weather forecasted. Daily maximum and minimum temperature for the following period is predicted to be 22-23C and 08-09°C respectively. Expected morning and evening relative humidity will be 75-85% and 28-32% respectively. Expected wind direction mainly SW & WSW 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
Pigg	Homestine		FIELD CROPS
Rice	Harvesting		Sun-dry & properly winnow the grains for safe storage.
Mustard	Vegetative	Aphid	<ul> <li>When population level is high spraying of Dimethoate @ 4 ml per litre of water is advised</li> </ul>
Black Gram & Green Gram	Vegetative		<ul> <li>Need based foliar spray of Sulfex@2g/lit water to control powdery mildew in black/green gram/pea</li> </ul>
Pea	Vegetative	Leaf-eating insects	Provide irrigation to plants
Maize	Harvesting	Rat	<ul> <li>Spray neem-based insecticides against leaf eating insects</li> <li>Harvest mature cobs and dry properly before storing</li> </ul>
			Use locally available traps to control rats menace    Compared to the control rate of the control rat
Cincar/Turmaria	Maturity		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	Red Ants/ Late blight/ Alternaria blight	<ul> <li>Weeding and application of fertilizer as per recommended doses is suggested in potato.</li> <li>Spray Indofil m-45 at regular interval of 7 days in potato/tomato against Alternaria blight</li> <li>Ridge should be properly made,</li> <li>Red Ants: - Drenching with Chlorpyriphos @ 2 ml per litre of water,</li> <li>Foliar spray of Dithane M-45@2.5g/litre of water for</li> </ul>
Cabbage/ Cauliflower/ Knolkhol/ Others	Maturity/ Harvesting	Leaf eating caterpillars/ Aphids	<ul> <li>management of potato late blight.</li> <li>Light irrigation is essential,</li> <li>In present weather conditions severe attack of leaf eating caterpillars has been reported. Spray Azadirachtin(0.015%) @6ml/litre of water when weather is clear.</li> <li>Spray with neem based pesticides against aphids</li> </ul>
		HORT	ICULTURAL 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
Banana	Multiple stages	Sigatoka Leaf spot	<ul> <li>Bio NPK@ 2ml/lit water for proper growth.</li> <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</li> </ul>
			Honey Bees
Honey bees			Box must be covered with straw/dry leaves to provide warmth  **TANDELLE CASE  **TANDEL
T	G.	D:	LIVESTOCKS
0 0			Precautionary Practices to be followed  General e diverted for Poultry/livestock feeding the clock and water troughs/feeders should be regularly cleaned,
Goat	All stages	be choured fould	Deworming for gastrointestinal parasite
Pigs	All stages	FMD (high fever and appearance of mucous membrane of the	

		mouth and foot.)	Tapeworms	s) viz. Fento Plus @ 1 tablet per 30 kg body weight.
		Swine Fever	• Provide pro	oper bedding materials especially to new-born
			piglets and	lukewarm food & water
Fishery			• Keep fish s	stoking density thin @1200/ha
Cattle	All stages	FMD	Animals sh	hould be given lukewarm feed and water.
			• Right time	e to deworm with anti helmetic drugs
			(particular	rly Tapeworms) viz. Fento Plus @ 1 tablet per 30
			kg body w	eight.
			• Provide pro	oper bedding materials especially to new-born and
			lukewarm f	food & water
			• Heavy mor	tality in cloven footed animals has been reported.
			• Supportive	treatment of infected animals under supervision of
			veterinary (	department officials,
			• Avoid mixi	ing of infected and healthy animals,
			• Keep infect	ted animals separated from the healthy ones,
			<ul> <li>Vaccinate</li> </ul>	the healthy animals against FMD (Through State
			Veterinary	Dept.)
			• Provide fee	ed supplements
Pigs	All stages	FMD (high fever	• Iron injection	on within 10 days of birth is advised to newly born
		and appearance	piglets if th	ney are kept in confined system
		of mucous	<ul> <li>Deworm w</li> </ul>	rith anti helmetic drugs (particularly Tapeworms)
		membrane of the	viz. Fento I	Plus @ 1 tablet per 30 kg body weight <b>In present</b>
		mouth and foot.)	weather co	onditions vaccinate against swine fever (Vaccines
		Swine Fever	available i	n State Veterinary Depts),
<b>Contact Scien</b>	tists (ICAR) or	State Agril Staff	KVK staff for	measures against adverse conditions or call

at 03795-226237/226247

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

(Period: 10th to 12th January 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/2018/03

Dated: Tue, 9th January 2018



Weather summery of the previous week	Weather forecast valid up to 14 <sup>th</sup> Jan'2018
Rainfall = 0.0 mm	Generally clear/dry weather forecasted. Daily maximum and
	minimum temperature for the following period is predicted to be 09-
	10°C and 0.0-1.0°C respectively. Expected morning and evening
	relative humidity will be 58-65% and 20-33% respectively. Wind
	direction is mainly SE & SSW with probable speed range of 4-7
	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
- 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

Harvesting
Harvesting
Vegetative
Vegetative
Late blight/ Alternaria blight Alter blight Alter blight Alter et acting caterpillars Aphids Alter in present weather conditions severe attack of leaf eating caterpillars has been reported. Spray Azadirachtin(0.015%) @6ml/litre of water when weather is clear. Spray with neem based pesticides against aphids  HORTICULTURAL CROPS  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.  Training & pruning of the temperate crops (apple/pears/peach) is recommended  Alter harvesting  After harvesting  Alter harvesting  After harvesting  After harvesting  After harvesting  Alter harvesting
Alternaria blight  Alternaria blight  Spray Indofil m-45 at regular interval of 7 days in potato/tomato against Alternaria blight  Ridge should be properly made, Red Ants: - Drenching with Chlorpyriphos @ 2 ml per litre of water, Foliar spray of Dithane M-45@2.5g/litre of water for management of potato late blight.  Maturity  Leaf eating caterpillars/ Aphids  Light irrigation is essential, In present weather conditions severe attack of leaf eating caterpillars has been reported. Spray Azadirachtin(0.015%) @6ml/litre of water when weather is clear.  Spray with neem based pesticides against aphids  HORTICULTURAL CROPS  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.  Training & pruning of the temperate crops (apple/pears/peach) is recommended  Harvesting  Should be harvested by snapping their stalks Fruit should be stored boxes containing cushioning materials and transported to the market in hard condition.  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
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			Provide feed supplements
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>
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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: 10th to 12th January 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/2018/03

Dated: Tue, 9th January 2018



Weather summery of the previous week	Weather forecast valid up to 14 <sup>th</sup> Jan'2018
Rainfall = 0.0 mm	Generally clear/dry weather forecasted. Daily maximum and
	minimum temperature for the following period is predicted to be 22-
	23°C and 08-09°C respectively. Expected morning and evening
	relative humidity will be 83-85% and 19-32% 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

- 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
D:	TT.		FIELD CROPS
Rice	Harvesting		<ul> <li>Sun-dry &amp; properly winnow the grains for safe storage.</li> </ul>
N/ / 1	<b>T</b> 7 4 4*	A 1 · 1	In case of rain delay harvesting
Mustard	Vegetative	Aphid	<ul> <li>When population level is high spraying of Dimethoate @ 4 ml per litre of water is advised</li> </ul>
Pea	Vegetative	Cut-worm	Regular monitoring of crop against attack of cutworm is
			<ul><li>advised,</li><li>Spray neem-based insecticides against leaf eating insects</li></ul>
			VEGETABLES
Ginger/ Turmeric	Maturity		Harvest the mature crop,
Cinger, Turners	,		<ul> <li>Cure should be taken while harvest so that the rhizome is not damaged,</li> </ul>
Potato	Vegetative	Red Ants/	<ul> <li>Weeding and application of fertilizer as per recommended</li> </ul>
		Late blight/	doses is suggested in potato.
		Alternaria blight	• Spray Indofil m-45 at regular interval of 7 days in
			potato/tomato against Alternaria blight
			• Ridge should be properly made,
			• Red Ants: - Drenching with Chlorpyriphos @ 2 ml per litre of water,
			• Foliar spray of Dithane M-45@2.5g/litre of water for
		<b>.</b>	management of potato late blight.
Cabbage/	Maturity/	Leaf eating	Light irrigation is essential,
Cauliflower/ Knolkhol/	Harvesting	caterpillars/ Aphids	• In present weather conditions severe attack of leaf eating
Others		Apillus	caterpillars has been reported. Spray Azadirachtin(0.015%) @6ml/litre of water when weather is clear.
Cincis			<ul> <li>Spray with neem based pesticides against aphids</li> </ul>
		HORT	ICULTURAL CROPS
Citrus	Maturity/	Bark eating	In case of Bark eating caterpillar, remove the wooden frass
	harvesting	caterpillar,	present in between the joints of the trunk and inject
	C	Gummosis	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.
			Collect dropped fruits & dispose by putting in airtight bags or
			burry deep in ground.
			<ul> <li>Harvest the mature fruit with stalk and store in dry places.</li> <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
Banana	All 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 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,
Pigs	All stages	FMD (high fever	<u>*</u>
		and appearance of mucous	with sack cloth.
		membrane of the	Animals should be given lukewarm feed and water.      Bight time to device with ontil helmetic drugs (neuticularly).
		mouth and foot.)	• Right time to deworm with anti helmetic drugs (particularly 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	Animals should be given lukewarm feed and water.
	- <u> </u>		<ul> <li>Right time to deworm with anti helmetic drugs</li> </ul>
			(particularly Tapeworms) viz. Fento Plus @ 1 tablet per 30
	•		Y Y Y

			<ul> <li>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>
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 weight</li> <li>In present weather conditions vaccinate against swine fever (Vaccines 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

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

(Period: 10th to 12th January 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/2018/03

Dated: Tue, 9th January 2018



Weather summery of the previous week	Weather forecast valid up to 14 <sup>th</sup> Jan'2018
Rainfall = 0.0 mm	Generally clear/dry weather forecasted. Daily maximum and
	minimum temperature for the following period is predicted to be 15-
	16°C and 06-07°C respectively. Expected morning and evening
	relative humidity will be 75-81% and 22-38% respectively. Wind
	direction is mainly SE & SSE with speed range of 4-6 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 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
Rice	Harvesting		<ul><li>Sun-dry &amp; properly winnow the grains for safe storage.</li><li>In case of rain delay harvesting</li></ul>
Maize	Harvesting	Rat	<ul> <li>Harvest mature cobs and dry properly before storing</li> <li>Use locally available traps to control rats menace</li> </ul>
			VEGETABLES
Ginger/ Turmeric	Maturity		
Ginger/Turmeric	Maturity		<ul><li>Harvest the mature crop,</li><li>Cure should be taken while harvest so that the</li></ul>
			Cure should be taken while harvest so that the rhizome is not damaged,
Potato	Vegetative	Red Ants/	Weeding and application of fertilizer as per recommended
		Late blight/	doses is suggested in potato.
		Alternaria blight	
			<ul> <li>potato/tomato against Alternaria blight</li> <li>Ridge should be properly made,</li> </ul>
			<ul> <li>Ridge should be properly made,</li> <li>Red Ants: - Drenching with Chlorpyriphos @ 2 ml per litre of</li> </ul>
			water,
			• Foliar spray of Dithane M-45@2.5g/litre of water for
			management of potato late blight.
Cabbage/	Maturity/	Leaf eating	Light irrigation is essential,
Cauliflower/	Harvesting	caterpillars/	• In present weather conditions severe attack of leaf eating
Knolkhol/		Aphids	caterpillars has been reported. Spray Azadirachtin(0.015%)
Others			@6ml/litre of water when weather is clear.
			<ul> <li>Spray with neem based pesticides against aphids</li> </ul>
			TCULTURAL CROPS
Banana	Bunching	Cold	<ul> <li>Cover newly emerged bunches with locally available sack to protect from cold/frost</li> </ul>
			<ul> <li>Mulching with straw/crop residue at root zone to avoid frost injury in banana.</li> </ul>
Temperate fruits	After harvesting		Training & pruning of the temperate crops (apple/pears/peach) is recommended
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.
Kiwi	Hamiastina		Breakdown the soil collected around the tree trunk  Classification of the installar and the insta
KIWI	Harvesting		<ul> <li>Should be harvested by snapping their stalks</li> <li>Fruit should be stored boxes containing cushioning materials</li> </ul>
			• Fruit should be stored boxes containing cushioning materials and transported to the market in hard condition.
			Honey Bees
Honey bees			Box must be covered with straw/dry leaves to provide
			warmth
			Provide sugar syrup
			LIVESTOCKS
Livestock	Stage	Disease	Precautionary Practices to be followed
	8		General
Damaged gr	ain (not fungus co	ontaminated) to b	be diverted for Poultry/livestock feeding
0 0			the clock and water troughs/feeders should be regularly cleaned,
Pigs	All stages	FMD (high fever	
		and appearance	with sack cloth.
		of mucous	<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 piglets and lukewarm food &amp; water</li> </ul>
Cattle	All stages	FMD	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.

Fishery			<ul> <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>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		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> <li>for KVK staff for measures against adverse conditions or call</li> </ul>

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)

at 03795-226237/226247

Agrometeorological Field Unit ICAR, BASAR

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

(Period: 10th to 12th January 2018)

ग्रामीण कृषि मौसम सेवा



### GRAMIN KRISHI MAUSAM SEWA

(Integrated Agro-Meteorological Advisory Services)

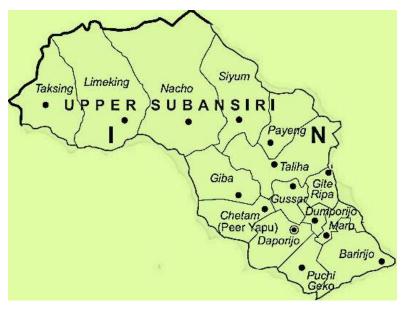


AMFU, ICAR Research Complex for NEH Region Arunachal Pradesh Centre, Basar-791101

**District: Upper Subansiri** 

No: AMFU-Basar/2018/03

Dated: Tue, 9th January 2018



Weather summery of the previous week	Weather forecast valid up to 14 <sup>th</sup> Jan'2018
Daporijo: 7.6 mm	Generally clear/dry weather forecasted. Daily maximum and
	minimum temperature for the following period is predicted to be 19-
	20°C and 05-06°C respectively. Expected morning and evening
	relative humidity will be 84-85% and 28-40% respectively.
	Expected wind direction is mainly SW & S with speed range of 4-6
	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
- Avoid spray of insecticides during flowering stage as it may hinder pollination by honey bees and other insects.
- Spraying operation should be done only on dry/clear weather
- Go for low cost polyhouses for year round cultivation of vegetables
- Obtain seeds from reputed/certified/reliable source
- Use fertilizers/pesticides as per recommended doses for the location
- Preference must be given on use of organic manures/bio-fertilizers & bio-pesticides
- ICAR Basar recommend poultry variety VANARAJA for backyard rearing

Crop	Stage	Pest/Disease	Precautionary Practices to be followed
Mustard	Vegetative	White rust/ Downey	<ul> <li>Need-based foliar spray of Metalaxyl+Dithane M-45 @ 2.5g/lit at 15 days intervalfor management of White</li> </ul>
Rice	Harvesting	mildew	<ul> <li>rust/Downy mildew in mustard</li> <li>Sun-dry &amp; properly winnow the grains for safe storage.</li> </ul>
Pea	Sowing		<ul> <li>Treat pea with rhizobium@2gm/kg seed before sowing or treat with carbendazim @ 2g/kg seed before sowing</li> <li>Provide irrigation to plants</li> <li>Complete sowing by 1<sup>st</sup> fortnight of Nov. for better yield</li> </ul>
			VEGETABLES
Potato	Vegetative	Red Ants/ Late blight/ Alternaria blight	<ul> <li>Weeding and application of fertilizer as per recommended doses is suggested in potato.</li> <li>Spray Indofil m-45 at regular interval of 7 days in potato/tomato against Alternaria blight</li> <li>Ridge should be properly made,</li> <li>Red Ants: - Drenching with Chlorpyriphos @ 2 ml per litre of water,</li> <li>Foliar spray of Dithane M-45@2.5g/litre of water for management of potato late blight.</li> </ul>
Cabbage/ Cauliflower/ Knolkhol/ Others	Maturity	Leaf eating caterpillars/ Aphids	<ul> <li>Light irrigation is essential,</li> <li>In present weather conditions severe attack of leaf eating caterpillars has been reported. Spray Azadirachtin(0.015%) @6ml/litre of water when weather is clear.</li> <li>Spray with neem based pesticides against aphids</li> </ul>
Citrus	Maturity/	HORT Bark eating	<ul> <li>ICULTURAL CROPS</li> <li>In case of Bark eating caterpillar, remove the wooden frass</li> </ul>
	harvesting	caterpillar, Gummosis	<ul> <li>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>
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.
Banana	Bunching	Cold	<ul> <li>Cover newly emerged bunches with locally available sack to protect from cold/frost</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> <li>Honey Bees</li> </ul>
Honey bees			<ul><li>Provide sugar syrup near the box</li><li>Add insulation and ventilation systems</li></ul>
			LIVESTOCKS
~ ~			Precautionary Practices to be followed  General e diverted for Poultry/livestock feeding the clock and water troughs/feeders should be regularly cleaned,
Fishery			Keep fish stoking density thin @1200/ha
Pigs	All stages	FMD (high fever and appearance of mucous membrane of the	<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>

		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>
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>
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> <li>or KVK staff for measures against adverse conditions or call</li> </ul>

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

at 03795-226237/226247

Agrometeorological Field Unit ICAR, BASAR

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

(Period: 10th to 12th January 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 Kameng** 

No: AMFU-Basar/2018/03

Dated: Tue, 9th January 2018



Weather summery of the previous week	Weather forecast valid up to 14 <sup>th</sup> Jan'2018
Rainfall = Bomdila: 0.0; Bhalukpong: 0.0	Generally clear/dry weather forecasted. Daily maximum and
mm	minimum temperature for the following period is predicted to be 19-
	20°C and 05-06°C respectively. Expected morning and evening
	relative humidity will be 81-85% and 28-37% respectively. Wind
	direction variable NW with speed range of 4-6 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

Rice	Crop	Stage	Pest/Disease	Precautionary Practices to be followed
Maize Harvesting Rat				FIELD CROPS
Maize	Rice	Harvesting		
Pea Vegetative	3.6 :	TT	D /	
Penal   Vegetative	Maize	Harvesting	Rat	
Potato Vegetative Red Ants/ Late blight/ Alternaria blight  Ridge should be properly made, Red Ants: Dennehing with Chlorpyriphos @ 2 ml per litre water.  - Foliar spray of Dithane M_45@2_5g/litre of water for management of potato late blight.  Cabbage/ Anturity/ Caudiflower/ Knolkhol/ Others  - Foliar spray of Dithane M_45@2_5g/litre of water for management of potato late blight.  - Foliar spray of Dithane M_45@2_5g/litre of water for management of potato late blight.  - Foliar spray of Dithane M_45@2_5g/litre of water for management of water when weather is clear a caterpillars has been reported. Spray Azadirachtin(0.018 @ml/litre of water when weather is clear -  - Spray with neem based pesticides against aphids  - Training & pruning of the temperate crops (apple/pears/pea is recommended  - Cover newly emerged bunches with locally available sack to protect from cold/frost  - Maturity/ Pruit Drop harvesting - Fruit Drop harvesting - Fruit Try Gummosis  - Training & pruning of the temperate crops (apple/pears/pea is recommended  - Cover newly emerged bunches with locally available sack to protect from cold/frost  - Mulching with straw(rop residue at root zone to avoid frost injury in banana.  - Maturity/ Fruit Drop harvesting - Fruit Try Gummosis  - Collect & Stagose rotten fallen fruits/ Install fruit-fly tra - Dead wood pruning may be done after harvesting of crop followed by spraying of fungicide, Carbendazim @ Igm/lit water.  - Breakdown the soil collected around the tree trunk  - Clean the vicinity of plants by weeding and loosen up the se - Remove sly and use it as a new planting material.  - Sucker dipping treatment with Bavistin @ 3g + Chlorpyrip 20FC@ 2ml/lt of water to protect against soil bome dise and insect.  - Prepare half moon terraces in fruit or corange/banana/apple/peach) grown in steep slopes to prev nutrient loss during heavy downpour.  - Follow proper drainage and e	Dag	Vagatativa		
Potato   Vegetative	rea	vegetative		
Potato   Vegetative				_
Alternaria blight   Alternaria blight   Alternaria blight   Alternaria blight   Alternaria blight   Spray Indofil m-45 at regular interval of 7 days in potato/tomato against Alternaria blight   Ridge should be properly made,   Red Ants: Denehing with Chlorpyriphos @ 2 ml per litre water,   Foliar spray of Dithane M-45@2.5g/litre of water for management of potato late blight.   Caubiflower   Harvesting   Caterpillars   Aphids   Light irrigation is essential,   In present weather conditions severe attack of leaf eat caterpillars has been reported. Spray Azadirachtin(0.015@6ml/litre of water when weather is clear.   Spray with necembesed pesticides against aphids   HORTICULTURAL CROPS	Dotato	Vacatativa	1	
Alternaria blight   Spray Indofil m-45 at regular interval of 7 days in potato/tomato against Alternaria blight	rotato	vegetative		
Potato/tomato against Alternaria blight			_	
Ridge should be properly made,   Red Ants: - Drenching with Chlorpyriphos @ 2 ml per litre water,   Foliar spray of Dithane M-45@2.5g/litre of water for management of potato late blight.   Cabbage/				
Water,   Soliar spray of Dithane M-45@2.5g/litre of water for management of potato late blight.				
Poliar spray of Dithane M-45@2.5g/litre of water for management of potato late blight.				• Red Ants: - Drenching with Chlorpyriphos @ 2 ml per litre of
Cabbage/ Cauliflower/ Caterpillars/ Aphids				· ·
Cabbage/ Cabbage/ Cauliflower/ Knolkhol/ Others				
Cauliflower/ Knolkhol/ Others	C 11 /	<b>N</b>	T C .:	
Aphids		1	_	
Others    College		Trai vesting		
Spray with neem based pesticides against aphids			ripinas	
Temperate fruits    After harvesting    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.  Citrus    Maturity/ harvesting    Fruit Drop Fruit Fly Gummosis    Collect & dispose rotten fallen fruits/ install fruit-fly tra    Dead wood pruning may be done after harvesting of crop followed by spraying of fungicide, Carbendazim @ lgm/lit water.  Pineapple    Sowing    Collect & dispose rotten fallen fruits/ install fruit-fly tra    Dead wood pruning may be done after harvesting of crop followed by spraying of fungicide, Carbendazim @ lgm/lit water.  Breakdown the soil collected around the tree trunk    Clean the vicinity of plants by weeding and loosen up the so    Remove sly and use it as a new planting material.  Sucker dipping treatment with Bavistin @ 3g + Chlorpyrip 20EC @ 2ml/lt of water to protect against soil borne dise   and insect.  Orchards    Prepare half moon terraces in fruit cr   (orange/banana/apple/peach) grown in steep slopes to prev   nutrient loss during heavy downpour.  Follow proper drainage and earthing up practices in   land/plain areas to avoid water stagnation in fruit orchards    Honey Bees    Provide sugar syrup near the box   Add insulation and ventilation systems  LIVESTOCKS    Livestock    Stage    Disease    Precautionary Practices to be followed    General    Damaged grain (not fungus contaminated) to be diverted for Poultry/livestock feeding   Clean drinking water should be ensured round the clock and water troughs/feeders should be regularly cleaned.				
Training & pruning of the temperate crops (apple/pears/pearis recommended			HORT	
Banana   Bunching   Cold   Cover newly emerged bunches with locally available sack to protect from cold/frost protect from cold/frost	Temperate fruits	After harvesting		
Protect from cold/frost   Mulching with straw/crop residue at root zone to avoid frost injury in banana.   Harvest the mature fruit with stalk and store in dry places.   Harvest the mature fruit with stalk and store in dry places.   Collect & dispose rotten fallen fruits/ install fruit-fly tra	D	Description of	C-14	is recommended
Citrus	Banana	Bunching	Cold	
Citrus   Maturity/ harvesting   Fruit Drop   Fruit Fly   Gummosis   • Collect & dispose rotten fallen fruits/ install fruit-fly tra   • Dead wood pruning may be done after harvesting of crop followed by spraying of fungicide, Carbendazim @ 1gm/lit water.   • Breakdown the soil collected around the tree trunk    Pineapple   Sowing   • Clean the vicinity of plants by weeding and loosen up the so   • Remove sly and use it as a new planting material.   • Sucker dipping treatment with Bavistin @ 3g + Chlorpyrip 20EC@ 2ml/lt of water to protect against soil borne dise and insect.    Orchards   • Prepare half moon terraces in fruit crop (orange/banana/apple/peach) grown in steep slopes to prevenutrient loss during heavy downpour.   • Follow proper drainage and earthing up practices in land/plain areas to avoid water stagnation in fruit orchards   Honey bees   • Provide sugar syrup near the box   • Add insulation and ventilation systems    LIVESTOCKS   Livestock   Stage   Disease   Precautionary Practices to be followed   General   • Damaged grain (not fungus contaminated) to be diverted for Poultry/livestock feeding   • Clean drinking water should be ensured round the clock and water troughs/feeders should be regularly cleaned.				
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• Clean drinking water should be ensured round the clock and water troughs/feeders should be regularly cleaned.	Damaged gr	rain (not fungus co	ontaminated) to b	
	0 0			•
- Accp tish swaing uchisity tilli @ 1200/lia	Fishery			Keep fish stoking density thin @1200/ha
Pigs All stages FMD (high fever • Avoid dampness and cover weak and sick animals	•	All stages	FMD (high fever	<u> </u>
and appearance with sack cloth.			and appearance	<u> </u>
of mucous  • Animals should be given lukewarm feed and water.				Animals should be given lukewarm feed and water.
membrane of the  • Right time to deworm with anti helmetic drugs (particularly				Right time to deworm with anti helmetic drugs (particularly)
Crysina Llarran			· · · · · · · · · · · · · · · · · · ·	Tapeworms) viz. Tento i ius @ 1 tablet per 30 kg body weight.
Swine Fever  • Provide proper bedding materials especially to new-born			Swine Fever	
piglets and lukewarm food & water				piglets and lukewarm food & water

Cattle	All stages	FMD	Animals should be given lukewarm feed and water.		
			<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 lukewarm food &amp; water</li> </ul>		
			<ul> <li>Heavy mortality in cloven footed animals has been reported.</li> </ul>		
			• 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		
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>				
			<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 Scien	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)

Agrometeorological Field Unit ICAR, BASAR

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

(Period: 10th to 12th January 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/2018/03

Dated: Tue, 9<sup>th</sup> 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 14 <sup>th</sup> Jan'2018
<b>Basar:</b> Rainfall = 5.4 mm. T. Max: 13.1°C,	Generally clear/dry weather forecasted. Daily maximum and
T. Min: 3.8°C, RH: 52-99%, Wind Speed: 3-	minimum temperature for the following period is predicted to be 19-
5 kmph, Wind Direction: NNE	20°C and 05-06°C respectively. Expected morning and evening
	relative humidity will be 84-85% and 28-40% respectively. Wind
	direction is mainly SW & SSE with speed range of 4-6 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
- 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 B	asar recommend	poultry variety <b>V</b> .	ANARAJA for backyard rearing
Crop	Stage	Pest/Disease	Precautionary Practices to be followed



FIELD CROPS				
Mustard	Vegetative	Aphid	•	When population level is high spraying of Dimethoate @ 4 ml per litre of water is advised
Rice	Harvesting		•	Sun-dry & properly winnow the grains for safe storage. In case of rain delay harvesting
Black Gram & Green Gram	Vegetative		•	Need based foliar spray of Sulfex@2g/lit water to control powdery mildew in black/green gram/pea
Pea	Vegetative	Leaf eating	•	Provide irrigation to plants
		insects	•	Mulching with locally available materials like straw/dray grass to retain soil moisture
			•	Spray neem-based pesticides against leaf eating insects
			VEGE	FABLES
Ginger/ Turmeric	Maturity		•	Harvest the mature crop,
			•	Cure should be taken while harvest so that the rhizome is not damaged,
Potato	Vegetative	Red Ants/	•	Weeding and application of fertilizer as per recommended
		Late blight/ Alternaria blight	•	doses is suggested in potato.  Spray Indofil m-45 at regular interval of 7 days in
		2	-	potato/tomato against Alternaria blight
			•	Ridge should be properly made, Red Ants: - Drenching with Chlorpyriphos @ 2 ml per litre of
			, ,	water,
			•	Foliar spray of Dithane M-45@2.5g/litre of water for
Cabbage/	Maturity	Leaf eating		management of potato late blight.  Light irrigation is essential,
Cauliflower/	Wiaturity	caterpillars/	•	In present weather conditions severe attack of leaf eating
Knolkhol/		Aphids		caterpillars has been reported. Spray Azadirachtin(0.015%)
Others				@6ml/litre of water when weather is clear.
		⊔∩рт	TCIII T	Spray with neem based pesticides against aphids URAL CROPS
Citrus	Maturity/	Bark eating	•	In case of Bark eating caterpillar, remove the wooden frass
	harvesting	caterpillar, Gummosis	•	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. Collect dropped fruits & dispose by putting in airtight bags or burry deep in ground. Harvest the mature fruit with stalk and store in dry places. Dead wood pruning may be done after harvesting of crop followed by spraying of fungicide, Carbendazim @ 1gm/lit of water.
Danama	Dunching	Cold	•	Breakdown the soil collected around the tree trunk
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.
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.
			Hone	y Bees
Honey bees			•	Cover the boxes with locally available dry grass or straw to
			LIVES	provide warmt
Livestock	Stage	Disease		Precautionary Practices to be followed
General General				
0 0			e divert	ed for Poultry/livestock feeding
		be ensured round		ck and water troughs/feeders should be regularly cleaned,
Poultry	All stages		•	Day old chick-Maintain warmth by lighting, In present weather conditions protect the birds from cold by 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 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>
Mithun  Contact Scien	tists (ICAR) or	FMD  State Agril Staff	<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>or KVK staff for measures against adverse conditions or call</li> </ul>

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