Agro-met Advisory Bulletin

(Period: 27th to 30th January 2018) ग्रामीण कृषि मौसम सेवा







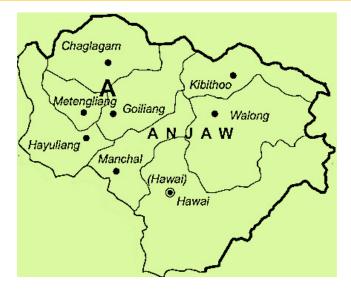


AMFU, ICAR Research Complex for NEH Region Arunachal Pradesh Centre, Basar-791101

District: Anjaw

No: AMFU-Basar/2018/08

Dated: Fri, 26th January 2018



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

Weather summery of the previous week	Weather forecast valid up to 31 st Jan'2018
No weather summary available	Mostly sunny with possibility of light rainfall. Daily maximum and minimum temperature for the following period is predicted to be 21-23°C and 06-07°C respectively. Expected morning and evening relative humidity will be 46-94% and 22-47% respectively. Wind direction is mainly SE and SSE with average wind speed range of 3-6 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

Сгор	Stage	Pest/Disease	Precautionary Practices to be followed
Pea	Vegetative	Powdery mildew/ leaf eating insects	 FIELD CROPS On clear/dry day, need based foliar spray of Dinocap (0.2% or Carbendazim 50WP (0.1%) or Propiconazole (0.1%). On clear weather, spray of Azadirachtin 0.15% EC @ 6ml/lit against leaf eating insects
	1		VEGETABLES
Ginger/ Turmeric	Maturity		 Harvest the mature crop, Cure should be taken while harvest so that the rhizome i not damaged,
Potato	Vegetative	Red Ants/ Late blight/ Alternaria blight	• Suspend all spray operation.
	I		ICULTURAL CROPS
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.
Pineapple	Harvesting		• After winter harvest, collection/Selection of suckers & slip to be done for next season planting
Citrus	Maturity/ harvesting	Bark eating caterpillar, Trunk borer, Blue & Green mould	 Orange (only if harvesting is over): Go for drenching with Dichlorovos 76 EC@0.05% against trunk-borer. On clear weather or using sticker, against Blue & Green mould, spray Imazalil 34 WP @ 1g/lit. Prune away the diseased portion of the plant. In case of Bark eating caterpillar, remove the wooden frass present in between the joints of the trunk and inject Dichlorovos (DDVP) 76 EC 0.1 percent @ 5ml in the larval tunnel with the help of disposable syringe and push cotton swab soaked in Dichlorovos solution in the larval tunnel.
Temperate fruits	After harvesting		• Training & pruning of the temperate crops (apple/pears/peach is recommended
			In case of flowering, stop spraying insecticides/pesticides
	1		LIVESTOCKS
Livestock	Stage	Disease	Precautionary Practices to be followed
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.
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	 Avoid dampness and cover weak and sick animals with sack cloth. Animals should be given lukewarm feed and water. Right time to deworm with anti helmetic drugs (particularly Tapeworms) viz. Fento Plus @ 1 tablet per 30 kg body weight Provide proper bedding materials especially to new-born piglets and lukewarm food & water
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 3 kg body weight. Provide proper bedding materials especially to new-born an lukewarm food & water Provide feed supplements
Mithun		FMD	 Polyvalent FMD vaccine with serotype 0, A and Asia at months of age and repeat after that 6 months interval by

Issued jointly by ICAR-RC for NEH Region, Arunachal Pradesh Centre, Basar and India Meteorological Department

Contact: - IAAS.BASAR@gmail.com, Phone Number: - 03795-226247/37, -96 (Fax)

Agro-met Advisory Bulletin

(Period: 27th to 30th January 2018)

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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/2018/08

Dated: Fri, 26th January 2018



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

Weather summery of the previous week	Weather forecast valid up to 31 st Jan'2018
	Generally clear/dry weather forecasted. Daily maximum and
mm (up to 23^{rd} Jan)	minimum temperature for the following period is predicted to be 26-
	27°C and 13-14°C respectively. Expected morning and evening
	relative humidity will be 48-70% and 16-27% respectively. Wind
	direction is mainly ESE with speed range of 6 kmph.
Warning	Moderate to dense fog likely to occur at isolated places

Weather Based Agro-meteorological Advisories Bulletin

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

Crop	Stage	Pest/Disease	Precautionary Practices to be followed
r	v		FIELD CROPS
Pea	Vegetative	Powdery mildew/ leaf eating insects	 Need based foliar spray of Dinocap (0.2%) or Carbendazim 50WP (0.1%) or Propiconazole (0.1%) using sticker in case of rainfall. On clear weather, spray of Azadirachtin 0.15% EC @ 6ml/lit against leaf eating insects
			VEGETABLES
Potato	Vegetative	Red Ants/ Late blight/ Alternaria blight	 Spray Indofil m-45 at regular interval of 7 days in potato/tomato against Alternaria blight using sticker if rains. 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 on clear/dry day or using proper sticker.
Cabbage/ Cauliflower/ Knolkhol/ Others	Maturity/ Harvesting	Leaf eating caterpillars/ Aphids	• Spray neem-based insecticides against leaf-eating caterpillars.
Ginger/ Turmeric	Maturity	нова	 Harvest the mature crop, Cure should be taken while harvest so that the rhizome is not damaged,
Citrus	Maturity/	Bark eating	ICULTURAL CROPS
	harvesting	caterpillar, Trunk borer, Blue & Green mould	 Orange (only if harvesting is over): Go for drenching with Dichlorovos 76 EC@0.05% against trunk-borer. Against Blue & Green mould, spray Imazalil 34 WP @ 1g/lit. Prune away the diseased portion of the plant using sticker in case of rainfall. In case of Bark eating caterpillar, remove the wooden frass present in between the joints of the trunk and inject Dichlorovos (DDVP) 76 EC 0.1 percent @ 5ml in the larval tunnel with the help of disposable syringe and push cotton swab soaked in Dichlorovos solution in the larval tunnel.
Banana	Bunching	Cold	 Cover newly emerged bunches with locally available sack to protect from cold/frost Mulching with straw/crop residue at root zone to avoid frost injury in banana.
			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
0 0			General e diverted for Poultry/livestock feeding the clock and water troughs/feeders should be regularly cleaned, • Deworming for gastrointestinal parasite
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
Pigs	All stages	FMD (high fever and appearance of mucous membrane of the mouth and foot.) Swine Fever	 Provide feed supplements Avoid dampness and cover weak and sick animals with sack cloth. Animals should be given lukewarm feed and water. Right time to deworm with anti helmetic drugs (particularly Tapeworms) viz. Fento Plus @ 1 tablet per 30 kg body weight. Provide proper bedding materials especially to new-born piglets and lukewarm food & water
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. 		
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: 27th to 30th January 2018)

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ग्रामीण कृषि मौसम सेवा

GRAMIN KRISHI MAUSAM SEWA

(Integrated Agro-Meteorological Advisory Services)



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

District: Dibang Valley

No: AMFU-Basar/2018/08

Dated: Fri, 26th January 2018



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

Weather summery of the previous week	Weather forecast valid up to 31 st Jan'2018
Rainfall = 1.0 mm (Anini) (up to 23 rd Jan)	Partly/moderately cloudy with possibility of light/moderate rainfall. Daily maximum and minimum temperature for the following period is predicted to be 21-23°C and 06-07°C respectively. Expected morning and evening relative humidity will be 70-88% and 43-66% respectively. Wind direction is mainly SSE & S with speed range of 5-9 kmph.
Warning:	Moderate to dense fog likely to occur at isolated places

Weather Based Agro-meteorological Advisories Bulletin

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

Pea Black Gram & Green Gram Potato	Vegetative Vegetative	Powdery mildew/ leaf eating insects	 IELD CROPS Need based foliar spray of Dinocap (0.2%) or 50WP (0.1%) or Propiconazole (0.1%) using stic rainfall. On clear weather, spray of Azadirachtin 0. 6ml/lit against leaf eating insects 	ker in case of
Black Gram & Green Gram		mildew/ leaf	 50WP (0.1%) or Propiconazole (0.1%) using stic rainfall. On clear weather, spray of Azadirachtin 0. 6ml/lit against leaf eating insects 	ker in case of
Green Gram	Vegetative		 rainfall. On clear weather, spray of Azadirachtin 0. 6ml/lit against leaf eating insects 	
Green Gram	Vegetative		• On clear weather, spray of Azadirachtin 0. 6ml/lit against leaf eating insects	
Green Gram	Vegetative		6ml/lit against leaf eating insects	
Green Gram	Vegetative			15% EC @
Green Gram	Vegetative			
			• Need based foliar spray of Sulfex@2g/lit wat	er to control
Potato			powdery mildew in black/green gram/pea	
Potato	XX	D 1 4 × /	EGETABLES	
	Vegetative	Red Ants/ Late blight/	• Spray Indofil m-45 at regular interval of 7	•
		Alternaria blight	potato/tomato against Alternaria blight usi	ng sticker
		Anomaria oligin	in case of rainfall.	1
			 Red Ants: - Drenching with Chlorpyriphos @ 2 m water, 	il per fitre of
			 Foliar spray of Dithane <u>M-45@2.5g/litre</u> of water 	for
			management of potato late blight.	101
Cabbage/	Maturity/	Leaf eating	• Suspend all spraying operations.	
Cauliflower/	Harvesting	caterpillars/	Suspend an spraying operations.	
Knolkhol/		Aphids		
Others				
		T	CULTURAL CROPS	
Citrus	Maturity/ harvesting	Bark eating caterpillar,	• Orange (only if harvesting is over): Go for dreu Diablements 77 DC 20 059/ a spinet terms have	
	naivesting	Trunk borer,	 Dichlorovos 76 <u>EC@0.05%</u> against trunk-bore Against Blue & Green mould, spray Imazalil 3 	
		Blue & Green	• Against blue & Green mound, spray mazam 5 1g/lit. Prune away the diseased portion of the p	
		mould	clear/dry day or using stickers.	lunt on
			• In case of Bark eating caterpillar, remove the woo	den frass
			present in between the joints of the trunk and inje	
			Dichlorovos (DDVP) 76 EC 0.1 percent @ 5ml ir	
			tunnel with the help of disposable syringe and pus	
Discourse II			swab soaked in Dichlorovos solution in the larval	
Pineapple H	arvesting		After winter harvest, collection/Selection of suc to be done for next season planting	kers & slip
Banana B	unching	Cold	Cover newly emerged bunches with locally availa	ble sack to
	C		protect from cold/frost	
			Mulching with straw/crop residue at root zone	to avoid
			frost injury in banana.	
Temperate fruits A	fter harvesting		• Training & pruning of the temperate crops (apple	/pears/peach)
			is recommended	
			Honey Bees	
Honey bees			• Cover the boxes with locally available dry grass of	r straw to
			provide warmth	
.	Ct.	D:	IVESTOCKS	
Livestock	Stage	Disease	Precautionary Practices to be followed	
• Domogod sucia	- (maaningaad) aa b	General	
	-		liverted for Poultry/livestock feeding te clock and water troughs/feeders should be regularly	alaanad
Pigs	All stages	FMD (high fever	Avoid dampness and cover weak and sick a	
1 125	Thi stages	and appearance	with sack cloth.	iiiiiiais
		of mucous	 Animals should be given lukewarm feed and wate 	r
		membrane of the	 Right time to deworm with anti helmetic drugs (p 	
		mouth and foot.)	Tapeworms) viz. Fento Plus @ 1 tablet per 30 kg	
		Swine Fever	 Provide proper bedding materials especially to ne 	
		Swille Fevel	• Trovide proper bedding materials especially to he	
			piglets and lukewarm food & water	
Cattle	All stages	FMD	 piglets and lukewarm food & water Animals should be given lukewarm feed and w 	
Cattle	All stages		 piglets and lukewarm food & water Animals should be given lukewarm feed and w Right time to deworm with anti helmetic drugs 	
Cattle	All stages		 piglets and lukewarm food & water Animals should be given lukewarm feed and w Right time to deworm with anti helmetic drugs (particularly Tapeworms) viz. Fento Plus @ 1 	
Cattle	All stages		 piglets and lukewarm food & water Animals should be given lukewarm feed and w Right time to deworm with anti helmetic drugs (particularly Tapeworms) viz. Fento Plus @ 1 kg body weight. 	ablet per 30
Cattle	All stages		 piglets and lukewarm food & water Animals should be given lukewarm feed and w Right time to deworm with anti helmetic drugs (particularly Tapeworms) viz. Fento Plus @ 1 kg body weight. Provide proper bedding materials especially to r 	ablet per 30
Cattle	All stages		 piglets and lukewarm food & water Animals should be given lukewarm feed and w Right time to deworm with anti helmetic drugs (particularly Tapeworms) viz. Fento Plus @ 1 kg body weight. Provide proper bedding materials especially to r lukewarm food & water 	Eablet per 30 new-born and
Cattle	All stages		 piglets and lukewarm food & water Animals should be given lukewarm feed and w Right time to deworm with anti helmetic drugs (particularly Tapeworms) viz. Fento Plus @ 1 kg body weight. Provide proper bedding materials especially to r 	Eablet per 30 new-born and n reported.

			 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, 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.
Mithun		FMD	 Polyvalent FMD vaccine with serotype O, A and Asia at 6 months of age and repeat after that 6 months interval by subcutaneous route. Pregnant animals above 7 months of pregnancy should be avoided.
Contact Scien	tists (ICAR) or Stat	te Agril Staff or	KVK staff for measures against adverse conditions or call at 03795- 226237/226247

Agro-met Advisory Bulletin

(Period: 24th to 26th January 2018)



ग्रामीण कृषि मौसम सेवा



(Integrated Agro-Meteorological Advisory Services)



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

District: East Kameng

No: AMFU-Basar/2018/08

Dated: Fri, 26th January 2018



Weather summery of the previous week	Weather forecast valid up to 31 st Jan'2018
Rainfall = 0.0 mm (up to 23^{rd} Jan)	Generally sunny/dry weather forecasted with possibility of very
	light rainfall in few places. Daily maximum and minimum
	temperature for the following period is predicted to be 18-20°C and
	6°C respectively. Expected morning and evening relative humidity
	will be 63-88% and 37-44% respectively. Expected wind direction is
	mainly SE with speed range of 5-6 kmph.
Warning:	Rain in few isolated places

Weather Based Agro-meteorological Advisories Bulletin

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

Сгор	Stage	Pest/Disease	Precautionary Practices to be followed
			FIELD CROPS
Pea	Vegetative	Powdery mildew/ leaf eating insects	 Need based foliar spray of Dinocap (0.2%) or Carbendazim 50WP (0.1%) or Propiconazole (0.1%) using sticker. On clear weather, spray of Azadirachtin 0.15% EC @ 6ml/lit against leaf eating insects
Ginger/ Turmeric	Maturity		VEGETABLES
	Waturity		 Harvest the mature crop, Cure should be taken while harvest so that the rhizome is not damaged,
Potato	Vegetative	Red Ants/ Late blight/ Alternaria blight	 Spray Indofil m-45 at regular interval of 7 days in potato/tomato against Alternaria blight on clear/dry day or using stickers. 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/ Knolkhol/ Others	Maturity	Leaf eating caterpillars/ Aphids	 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 on clear/dry day or using stickers
		HOR	TICULTURAL CROPS
Citrus	Maturity/ harvesting	Bark eating caterpillar, Trunk borer, Blue & Green mould	 Orange (only if harvesting is over): Go for drenching with Dichlorovos 76 EC@0.05% against trunk-borer. Against Blue & Green mould, spray Imazalil 34 WP @ 1g/lit on clear/dry day. Prune away the diseased portion of the plant. In case of Bark eating caterpillar, remove the wooden frass present in between the joints of the trunk and inject Dichlorovos (DDVP) 76 EC 0.1 percent @ 5ml in the larval tunnel with the help of disposable syringe and push cotton
Banana	Bunching	Cold	 swab soaked in Dichlorovos solution in the larval tunnel. 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.
Pineapple	Active vegetative		 Remove excess suckers to increase fruit size and improve quality.
Ginger/Turmeric	Seedling		 Mulching with locally available materials like dry grass/paddy straw recommended Proper drainage to be done and avoid water stagnation Earthing up of ginger/turmeric along with basal application of required fertilizer should be done
			Agroforestry
Toko palm	Nursery		Filling of nursery polybags for raising of takopalm seedlings
	• • • • • • • • • • • • • • • • • • • •	·	LIVESTOCKS
Livestock	Stage	Disease	Precautionary Practices to be followed
0 0			General e diverted for Poultry/livestock feeding the clock and water troughs/feeders should be regularly cleaned
Clean drink: Pigs	All stages	be ensured round FMD (high fever and appearance of mucous membrane of the mouth and foot.) Swine Fever	 with sack cloth. Animals should be given lukewarm feed and water. Right time to deworm with anti helmetic drugs (particularly
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 & waterProvide feed supplements
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.
Fishery			 Application of quick lime is highly recommended in order to rectify water pH. Application of fish feed (mustard oil cake) is essential for achieving higher yield
Mithun		FMD	 Polyvalent FMD vaccine with serotype O, A and Asia at 6 months of age and repeat after that 6 months interval by sub-cutaneous route. Pregnant animals above 7 months of pregnancy should be avoided.
Contact Scien	tists (ICAR) or Sta	te Agril Staff or I	KVK staff for measures against adverse conditions or call at 03795- 226237/226247

Agro-met Advisory Bulletin

(Period: 27th to 30th January 2018)



ग्रामीण कृषि मौसम सेवा

GRAMIN KRISHI MAUSAM SEWA





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

District: East Siang

No: AMFU-Basar/2018/08

Dated: Fri, 26th January 2018



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

Weather summery of the previous week	Weather forecast valid up to 31 st Jan'2018
Rainfall: 0.0 mm; T. Max: 26.0°C; T. Min:	Mostly sunny weather forecasted. Daily maximum and minimum
15.0°C ; RH: 64-74% (up to 23 rd Jan)	temperature for the following period is predicted to be 25-26°C and
	14-15°C respectively. Expected morning and evening relative
	humidity will be 56-91% and 26-43% respectively. Expected wind
	direction is mainly NNW & S with speed range of 5-6 kmph.
Warning:	Rain in few isolated places

Weather Based Agro-meteorological Advisories Bulletin

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

Сгор	Stage	Pest/Disease	Precautionary Practices to be followed
- • •			FIELD CROPS
Pea	Vegetative	Powdery	• Need based foliar spray of Dinocap (0.2%) or Carbendazim
	8	mildew/ leaf	50WP (0.1%) or Propiconazole (0.1%) using proper sticker.
		eating insects	
		0	• On clear weather, spray of Azadirachtin 0.15% EC @
			6ml/lit against leaf eating insects using sticker in case of
			rainfall
Mustard	Vegetative	Aphid	 When population level is high spraying of Dimethoate @ 4
			<mark>ml per</mark> litre of water is advised using sticker in case of
			rainfall
			VEGETABLES
Ginger/ Turmeric	Maturity		Harvest the mature crop,
			• Cure should be taken while harvest so that the
			rhizome is not damaged,
Potato	Vegetative	Red Ants/	• Spray Indofil m-45 at regular interval of 7 days in
	e	Late blight/	potato/tomato against Alternaria blight on clear/dry
		Alternaria blight	days
		0	•
			• Red Ants: - Drenching with Chlorpyriphos @ 2 ml per litre of
			water,
			• Foliar spray of Dithane $M-45@2.5g/litre$ of water for
<u> </u>			management of potato late blight.
Cabbage/	Maturity/	Leaf eating	• Spray neem-based insecticides against leaf-eating caterpillars
Cauliflower/	Harvesting	caterpillars/	
Knolkhol/		Aphids	
Others			
			ICULTURAL CROPS
Citrus	Maturity/	Bark eating	• Orange (only if harvesting is over): Go for drenching with
	harvesting	caterpillar,	Dichlorovos 76 <u>EC@0.05%</u> against trunk-borer.
		Trunk borer,	• Against Blue & Green mould, spray Imazalil 34 WP @
		Blue & Green	1g/lit on clear/dry days. Prune away the diseased portion
		mould	of the plant.
			• In case of Bark eating caterpillar, remove the wooden frass
			present in between the joints of the trunk and inject
			Dichlorovos (DDVP) 76 EC 0.1 percent @ 5ml in the larval
			tunnel with the help of disposable syringe and push cotton
			swab soaked in Dichlorovos solution in the larval tunnel.
Kiwi	Harvesting		• Should be harvested by snapping their stalks
	1100 10000008		 Fruit should be stored boxes containing cushioning materials
			and transported to the market in hard condition.
			Honey Bees
Honey bees			 Cover the boxes with locally available dry grass or straw to
Tioney bees			• Cover the boxes with locally available dry grass of straw to provide warmth
			LIVESTOCKS
T ·	6 4	D'	
Livestock	Stage	Disease	Precautionary Practices to be followed
			General
			e diverted for Poultry/livestock feeding
Clean drinki	ng water should	be ensured round	the clock and water troughs/feeders should be regularly cleaned,
Pigs	All stages	FMD (high fever	Avoid dampness and cover weak and sick animals
		and appearance	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
		mouth and foot.)	Tapeworms) viz. Fento Plus @ 1 tablet per 30 kg body weight.
		Swine Fever	 Provide proper bedding materials especially to new-born
Cottle	A 11 ato	EMD	piglets and lukewarm food & water
Cattle	All stages	FMD	Animals should be given lukewarm feed and water.
			Right time to deworm with anti helmetic drugs (nonticularly Transmus) size Funts Place @ 14x blaterer 20
			(particularly Tapeworms) viz. Fento Plus @ 1 tablet per 30
			kg body weight.
			• Provide proper bedding materials especially to new-born and
			lukewarm food & water
			• Heavy mortality in cloven footed animals has been reported.
			• Supportive treatment of infected animals under supervision of
		1	II I I I I I I I I I I I I I I I I I I
			veterinary department officials.
			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, 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.
Mithun		FMD	 Polyvalent FMD vaccine with serotype O, A and Asia at 6 months of age and repeat after that 6 months interval by subcutaneous route. Pregnant animals above 7 months of pregnancy should be avoided.
Contact Scientists (ICAR) or State Agril Staff or KVK staff for measures against adverse conditions or call at 03795-226237/226247			

कृषि मौसम सलाहकार सेवा पत्रिका Agro-met Advisory Bulletin (Period: 27th to 30th January 2018) ग्रामीण कृषि मौसम सेवा CRAMIN 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/2018/08

Dated: Fri, 26th January 2018



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

Weather summery of the previous week	Weather forecast valid up to 31 st Jan'2018
Past weather summary not available	Partly/moderately cloudy with possibility of light/moderate
	rainfall. Daily maximum and minimum temperature for the
	following period is predicted to be 20-22°C and 06-10°C
	respectively. Expected morning and evening relative humidity will
	be 83-87% and 36-80% respectively. Wind direction is mainly
	variable with wind speed range of 5-8 kmph.
Warning	Rain in few isolated places

Weather Based Agro-meteorological Advisories Bulletin

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

Сгор	Stage	Pest/Disease	Precautionary Practices to be followed
Ð	XX •		FIELD CROPS
Pea	Vegetative	Powdery mildew/ leaf eating insects	 Need based foliar spray of Dinocap (0.2%) or Carbendazim 50WP (0.1%) or Propiconazole (0.1%) using sticker in case of rainfall. On clear weather, spray of Azadirachtin 0.15% EC @ 6ml/lit against leaf eating insects
			VEGETABLES
Potato	Vegetative Meturity/	Red Ants/ Late blight/ Alternaria blight	 Spray Indofil m-45 at regular interval of 7 days in potato/tomato against Alternaria blight on clear/dry day or using sticker in case of rainfall 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/ Knolkhol/ Others	Maturity/ Harvesting	Leaf eating caterpillars/ Aphids	• Spray neem-based insecticides against leaf-eating caterpillars.
		HORT	ICULTURAL CROPS
Temperate fruits	After harvesting		 Training & pruning of the temperate crops (apple/pears/peach) is recommended In case of flowering, stop spraying insecticides/pesticides
Citrus	Maturity/ harvesting	Bark eating caterpillar, Trunk borer, Blue & Green mould	 Orange (only if harvesting is over): Go for drenching with Dichlorovos 76 EC@0.05% against trunk-borer. Against Blue & Green mould, spray Imazalil 34 WP @ 1g/lit using sticker in case of rainfall. Prune away the diseased portion of the plant. In case of Bark eating caterpillar, remove the wooden frass present in between the joints of the trunk and inject Dichlorovos (DDVP) 76 EC 0.1 percent @ 5ml in the larval tunnel with the help of disposable syringe and push cotton swab soaked in Dichlorovos solution in the larval tunnel.
Pineapple	Harvesting		 After winter harvest, collection/Selection of suckers & slip to be done for next season planting
Banana	Bunching	Cold	 Cover newly emerged bunches with locally available sack to protect from cold/frost Mulching with straw/crop residue at root zone to avoid frost injury in banana.
			Honey Bees
			• Box must be covered with straw/dry leaves to provide warmth
			LIVESTOCKS
0 0			General e diverted for Poultry/livestock feeding the clock and water troughs/feeders should be regularly cleaned,
Livestock	Stage	Disease	Precautionary Practices to be followed
Cattle	All stages	FMD	 Animals should be given lukewarm feed and water. Right time to deworm with anti helmetic drugs (particularly Tapeworms) viz. Fento Plus @ 1 tablet per 30 kg body weight. Provide proper bedding materials especially to new-born and lukewarm food & water Provide feed supplements
Pigs Poultry	All stages All stages	FMD (high fever and appearance of mucous membrane of the mouth and foot.) Swine Fever	 Avoid dampness and cover weak and sick animals with sack cloth. Animals should be given lukewarm feed and water. Right time to deworm with anti helmetic drugs (particularly Tapeworms) viz. Fento Plus @ 1 tablet per 30 kg body weight. Provide proper bedding materials especially to new-born piglets and lukewarm food & water Day old chick-Maintain warmth by lighting,
Poultry	All stages		Day old chick-Maintain warmth by lighting,In present weather conditions protect the birds from a

		 by using gunny bags/plastic sheets around the poultryshed during night, Provide heat by lighting 100W bulb @ 1 bulb per 20 newly born chicks. 	
Mithun	FMD	 Polyvalent FMD vaccine with serotype O, A and Asia at 6 months of age and repeat after that 6 months interval by sub-cutaneous route. Pregnant animals above 7 months of pregnancy should be avoided. 	
Contact Scientists (ICAR) or State Agril Staff or KVK staff for measures against adverse conditions or call at 03795-226237/226247			

Agro-met Advisory Bulletin

(Period: 27th to 30th January 2018)



ग्रामीण कृषि मौसम सेवा

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

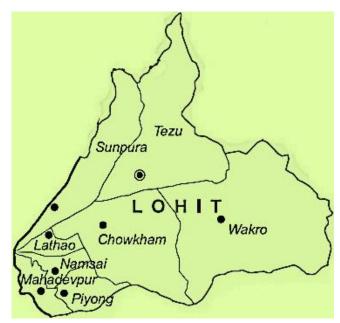


AMFU, ICAR Research Complex for NEH Region Arunachal Pradesh Centre, Basar-791101

District: Lohit

No: AMFU-Basar/2018/08

Dated: Fri, 26th January 2018



Weather summery of the previous week	Weather forecast valid up to 31 st Jan'2018
Rainfall = 0.0 mm	Mostly sunny weather forecasted. Daily maximum and minimum
(up to 23 rd Jan)	temperature for the following period is predicted to be 24-24°C and
	13-14°C respectively. Expected morning and evening relative
	humidity will be 45-77% and 16-36% 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.

Сгор	Stage	Pest/Disease	Precautionary Practices to be followed
			FIELD CROPS
Pea	Vegetative	Powdery mildew/ leaf eating insects	 Need based foliar spray of Dinocap (0.2%) or Carbendazim 50WP (0.1%) or Propiconazole (0.1%) using stickers in case of rainfall. On clear weather, spray of Azadirachtin 0.15% EC @ 6ml/lit against leaf eating insects
Mustard	Vegetative	Aphid	• When population level is high spraying of Dimethoate @ 4 ml per litre of water is advised using sticker in case of rainfall
			VEGETABLES
Ginger/ Turmeric	Maturity		 Harvest the mature crop, Cure should be taken while harvest so that the rhizome is not damaged,
Potato	Vegetative	Red Ants/ Late blight/ Alternaria blight	 Spray Indofil m-45 at regular interval of 7 days in potato/tomato against Alternaria blight using sticker 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/ Knolkhol/ Others	Maturity	Leaf eating caterpillars/ Aphids	 Suspend all spray and fertilizer applications
		HORT	ICULTURAL CROPS
Large Cardamom	Fruiting	Chirkey Disease	• Remove dry/diseased/old tillers & branches & spray Bio NPK@ 2ml/lit water for proper growth on clear/dry days.
Citrus	Maturity/ harvesting	Bark eating caterpillar, Gummosis	 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. 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 spot	 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 using stickers
Kiwi	Harvesting		 Should be harvested by snapping their stalks Fruit should be stored boxes containing cushioning materials and transported to the market in hard condition.
			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
Damaged grClean drinki	ain (not fungus c ing water should	contaminated) to b be ensured round	General e diverted for Poultry/livestock feeding the clock and water troughs/feeders should be regularly cleaned,
Pigs	All stages	FMD (high fever and appearance of mucous membrane of the mouth and foot.) Swine Fever	 Avoid dampness and cover weak and sick animals with sack cloth. Animals should be given lukewarm feed and water. Right time to deworm with anti helmetic drugs (particularly Tapeworms) viz. Fento Plus @ 1 tablet per 30 kg body weight. Provide proper bedding materials especially to new-born piglets and lukewarm food & water

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. 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, 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. 	
Mithun		FMD	 Polyvalent FMD vaccine with serotype O, A and Asia at 6 months of age and repeat after that 6 months interval by sub-cutaneous route. Pregnant animals above 7 months of pregnancy should be avoided. 	
Contact Scien	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: 27th to 30th January 2018)



ग्रामीण कृषि मौसम सेवा



(Integrated Agro-Meteorological Advisory Services)



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

District: Lower Dibang Valley

No: AMFU-Basar/2018/08

Dated: Fri, 26th January 2018



Weather summery of the previous week	Weather forecast valid up to 31 st Jan'2018
Rainfall = 0.0 mm (Roing) (up to 23^{rd} Jan)	Mostly sunny weather forecasted. Daily maximum and minimum
	temperature for the following period is predicted to be 22-24°C and
	11-12°C respectively. Expected morning and evening relative
	humidity will be 64-88% and 21-44% respectively. Wind direction is
	mainly ESE & SSE with speed range of 5-6 kmph.
Warning:	Rain in few isolated places

Weather Based Agro-meteorological Advisories Bulletin

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

Сгор	Stage	Pest/Disease	Precautionary Practices to be followed
Dee	Verst		FIELD CROPS
Pea	Vegetative	Powdery mildew/ leaf eating insects	 Need based foliar spray of Dinocap (0.2%) or Carbendazim 50WP (0.1%) or Propiconazole (0.1%) using sticker. On clear weather, spray of Azadirachtin 0.15% EC @ 6ml/lit against leaf eating insects
Mustard	Vegetative	Aphid	• When population level is high spraying of Dimethoate @ 4 ml per litre of water is advised using sticker in case of rainfall
			VEGETABLES
Ginger/ Turmeric	Maturity		 Harvest the mature crop, Cure should be taken while harvest so that the rhizome is not damaged,
Potato	Vegetative	Red Ants/ Late blight/ Alternaria blight	 Spray Indofil m-45 at regular interval of 7 days in potato/tomato against Alternaria blight 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/ Knolkhol/ Others	Maturity/ Harvesting	Leaf eating caterpillars/ Aphids	Suspend all spray operations and fertilization
		HORT	ICULTURAL CROPS
Large Cardamom	Fruiting	Chirkey Disease	• Remove dry/diseased/old tillers & branches & spray Bio NPK@ 2ml/lit water for proper growth on clear/dry days.
Citrus	Maturity/ harvesting	Bark eating caterpillar, Trunk borer, Blue & Green mould	 Orange (only if harvesting is over): Go for drenching with Dichlorovos 76 EC@0.05% against trunk-borer. Against Blue & Green mould, spray Imazalil 34 WP @ 1g/lit using stickers. Prune away the diseased portion of the plant. In case of Bark eating caterpillar, remove the wooden frass present in between the joints of the trunk and inject Dichlorovos (DDVP) 76 EC 0.1 percent @ 5ml in the larval tunnel with the help of disposable syringe and push cotton swab soaked in Dichlorovos solution in the larval tunnel.
Banana	Multiple stages	Sigatoka Leaf spot	 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 using stickers in case of rainfall.
			Honey Bees
Honey bees			Box must be covered with straw/dry leaves to provide warmth LIVESTOCKS
Livesteel	Stage	Diagon	
	-		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 and appearance of mucous membrane of the mouth and foot.) Swine Fever	
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

Poultry	All stages	 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 Day old chick-Maintain warmth by lighting, In present weather conditions protect the birds from cold by using gunny bags/plastic sheets around the poultry shed during night, Provide heat by lighting 100W bulb @ 1 bulb per 20 newly born chicks.
Goat	All stages	Deworming for gastrointestinal parasite

Agro-met Advisory Bulletin

(Period: 27th to 30th January 2018)



ग्रामीण कृषि मौसम सेवा

GRAMIN KRISHI MAUSAM SEWA





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

District: Lower Subansiri

No: AMFU-Basar/2018/08

Dated: Fri, 26th January 2018



Weather summery of the previous week	Weather forecast valid up to 31 st Jan'2018
Rainfall = NA	Mostly sunny with possibility of very light rainfall. Daily
	maximum and minimum temperature for the following period is
	predicted to be 22-24°C and 11-12°C respectively. Expected
	morning and evening relative humidity will be 79-89% and 40-55%
	respectively. Wind direction is mainly SSW with speed range of 5-6
	kmph.
Warning:	Rain in few isolated places

Weather Based Agro-meteorological Advisories Bulletin

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

~	~		
Сгор	Stage	Pest/Disease	Precautionary Practices to be followed
D	X 7 ()		FIELD CROPS
Pea	Vegetative	Powdery mildew/ leaf eating insects	 Need based foliar spray of Dinocap (0.2%) or Carbendazim 50WP (0.1%) or Propiconazole (0.1%) using sticker in case of rainfall. On clear weather, spray of Azadirachtin 0.15% EC @
			6ml/lit against leaf eating insects
			VEGETABLES
Potato	Vegetative	Red Ants/ Late blight/ Alternaria blight	 Spray Indofil m-45 at regular interval of 7 days in potato/tomato against Alternaria blight using sticker in case of rainfall 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/ Knolkhol/ Others	Maturity/ Harvesting	Leaf eating caterpillars/ Aphids	 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 on clear/dry day
		HORT	ICULTURAL CROPS
Pineapple	Harvesting		• After winter harvest, collection/Selection of suckers & slip to be done for next season planting
Temperate fruits	After harvesting		 Training & pruning of the temperate crops (apple/pears/peach) is recommended In case of flowering, stop spraying insecticides/pesticides
Citrus	Maturity/ harvesting	Bark eating caterpillar, Trunk borer, Blue & Green mould	 Orange (only if harvesting is over): Go for drenching with Dichlorovos 76 EC@0.05% against trunk-borer. Against Blue & Green mould, spray Imazalil 34 WP @ 1g/lit using sticker if rains. Prune away the diseased portion of the plant. In case of Bark eating caterpillar, remove the wooden frass present in between the joints of the trunk and inject Dichlorovos (DDVP) 76 EC 0.1 percent @ 5ml in the larval tunnel with the help of disposable syringe and push cotton swab soaked in Dichlorovos solution in the larval tunnel.
Banana	Bunching	Cold	 Cover newly emerged bunches with locally available sack to protect from cold/frost Mulching with straw/crop residue at root zone to avoid frost injury in banana.
			Agroforestry
Toko palm	Nursery		Filling of nursery polybags for raising of takopalm seedlings
			Honey Bees
Honey bees			• Box must be covered with straw/dry leaves to provide warmth
			LIVESTOCKS
Livestock	Stage	Disease	Precautionary Practices to be followed
Clean drink	ing water should	be ensured round	General e diverted for Poultry/livestock feeding the clock and water troughs/feeders should be regularly cleaned,
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 Provide feed supplements
Pigs	All stages	FMD (high fever and appearance of mucous membrane of the mouth and foot.)	 Avoid dampness and cover weak and sick animals with sack cloth. Animals should be given lukewarm feed and water. Right time to deworm with anti helmetic drugs (particularly

		Swine Fever	• Provide proper bedding materials especially to new-born piglets and lukewarm food & water	
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. 	
Mithun		FMD	 Polyvalent FMD vaccine with serotype O, A and Asia at 6 months of age and repeat after that 6 months interval by sub-cutaneous route. Pregnant animals above 7 months of pregnancy should be avoided. 	
Contact Scie	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: 27th to 30th January 2018)



ग्रामीण कृषि मौसम सेवा

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



भा कु अनुप - पु प सं

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

District: Papum Pare

No: AMFU-Basar/2018/08

Dated: Fri, 26th January 2018



Weather summery of the previous week	Weather forecast valid up to 31 st Jan'2018
Rainfall: 0.0 mm; T. Max: 29.0°C; T. Min:	Partly/mostly cloudy with possibility of light/moderate rainfall.
13.0° C; RH: 64-77% (up to 23 rd Jan)	Daily maximum and minimum temperature for the following period
	is predicted to be 26-27°C and 12-14°C respectively. Expected
	morning and evening relative humidity will be 77-90% and 34-53%
	respectively. Expected wind direction mainly SSW & WNW 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
D	¥7 ·		FIELD CROPS
Pea	Vegetative	Powdery mildew/ leaf eating insects	• Need based foliar spray of Dinocap (0.2%) or Carbendazim 50WP (0.1%) or Propiconazole (0.1%) using stickers in case of rainfall.
			• On clear weather, spray of Azadirachtin 0.15% EC @ 6ml/lit against leaf eating insects
Mustard	Vegetative	Aphid	When population level is high spraying of Dimethoate @ 4
	0		ml per litre of water is advised using stickers in case of rainfall
Maize	Harvesting	Rat	 Harvest mature cobs and dry properly before storing Use locally available traps to control rats menace
			VEGETABLES
Ginger/ Turmeric	Maturity		• Harvest the mature crop,
-			• Cure should be taken while harvest so that the rhizome is not damaged,
Potato	Vegetative	Red Ants/	• Spray Indofil m-45 at regular interval of 7 days in
		Late blight/ Alternaria blight	potato/tomato against Alternaria blight using stickers in case of rainfall
			 Red Ants: - Drenching with Chlorpyriphos @ 2 ml per litre of water,
			• Foliar spray of Dithane <u>M-45@2.5g/litre</u> of water for management of potato late blight.
Cabbage/ Cauliflower/ Knolkhol/ Others	Maturity/ Harvesting	Leaf eating caterpillars/ Aphids	• Suspend all spray operations and fertilizer applications.
		HORT	ICULTURAL CROPS
Citrus Large Cardamom	Maturity/ harvesting Fruiting	Bark eating caterpillar, Gummosis	 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. 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 Remove dry/diseased/old tillers & branches & spray Bio NPK@ 2ml/lit water for proper growth using
_			stickers in case of rainfall.
Banana	Multiple stages	Sigatoka Leaf spot	 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 water using stickers in case of rainfall
II			Honey Bees
Honey bees			• Box must be covered with straw/dry leaves to provide warmth
			LIVESTOCKS
Livestock	Stage	Disease	Precautionary Practices to be followed
0 0			General e diverted for Poultry/livestock feeding the clock and water troughs/feeders should be regularly cleaned,
Goat	All stages		Deworming for gastrointestinal parasite
		EMD (high former	
Pigs	All stages	FMD (high fever and appearance of mucous	with sack cloth.
		membrane of the mouth and foot.)	 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.
		Swine Fever	 Provide proper bedding materials especially to new-born

				piglets and lukewarm food & water	
Fishery			٠	Keep fish stoking density thin @1200/ha	
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 Provide feed supplements	
Pigs	All stages	FMD (high fever and appearance of mucous membrane of the mouth and foot.) Swine Fever	•	Iron injection within 10 days of birth is advised to newly born piglets if they are kept in confined system Deworm with anti helmetic drugs (particularly Tapeworms) viz. Fento Plus @ 1 tablet per 30 kg body weightIn present weather conditions vaccinate against swine fever (Vaccines available in State Veterinary Depts),	
Contact Scien	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: 27th to 30th January 2018)



ग्रामीण कृषि मौसम सेवा

GRAMIN KRISHI MAUSAM SEWA





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

District: Tawang

No: AMFU-Basar/2018/08

Dated: Fri, 26th January 2018



Weather summery of the previous week	Weather forecast valid up to 31 st Jan'2018
Rainfall = 0.0 mm (up to 23^{rd} Jan)	Generally clear/dry weather forecasted. Daily maximum and
	minimum temperature for the following period is predicted to be 14-
	15°C and 2.0-3.0°C respectively. Expected morning and evening
	relative humidity will be 47-75% and 04-23% respectively. Wind
	direction is mainly WSW & W with probable speed range of 5-8
	kmph.
Warning:	Rain in few isolated places

Weather Based Agro-meteorological Advisories Bulletin

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

Сгор	Stage	Pest/Disease	Precautionary Practices to be followed
			FIELD CROPS
Pea	Vegetative	Powdery	• Need based foliar spray of Dinocap (0.2%) or Carbendazim
		mildew/ leaf	50WP(0.1%) or Propiconazole (0.1%).
		eating insects	• On clear weather, spray of Azadirachtin 0.15% EC @
			6ml/lit against leaf eating insects
Maize	Harvesting	Rat	• Harvest mature cobs and dry properly before storing
	0		• Use locally available traps to control rats menace
			VEGETABLES
Potato	Vegetative	Red Ants/	Weeding and application of fertilizer as per recommended
1 00000	, ogetaal e	Late blight/	doses is suggested in potato.
		Alternaria blight	• Spray Indofil m-45 at regular interval of 7 days in
		8	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 <u>M-45@2.5g/litre</u> of water for
			management of potato late blight.
Cabbage/	Maturity	Leaf eating	 Light irrigation is essential,
Cauliflower/	wiaturity	caterpillars/	 In present weather conditions severe attack of leaf eating
Knolkhol/		Aphids	• In present weather conditions severe attack of real eating caterpillars has been reported. Spray Azadirachtin(0.015%)
Others		ripindo	@6ml/litre of water when weather is clear.
ounois			
		ЦОРТ	Spray with neem based pesticides against aphids ICULTURAL CROPS
Tomporato fruita	After hornesting		
Temperate fruits	After harvesting		• Training & pruning of the temperate crops (apple/pears/peach) is recommended
	Devel	C-14	In case of flowering, stop spraying insecticides/pesticides
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 funct inform in known
Kiwi	II		frost injury in banana.
K1W1	Harvesting		• Should be harvested by snapping their stalks
			• Fruit should be stored boxes containing cushioning materials
Qual:			and transported to the market in hard condition.
Orchards			• Prepare half moon terraces in fruit crops
			(orange/banana/apple/peach) grown in steep slopes to prevent
			nutrient loss during heavy downpour.
			• Follow proper drainage and earthing up practices in low land/plain areas to avoid water stagnation in fruit orchards
II			Honey Bees
Honey bees			• Provide sugar syrup near the box
			• Cover the boxes with locally available dry grass to provide
			warmth.
			LIVESTOCKS
Livestock	Stage	Disease	Precautionary Practices to be followed
			General
0 0			e diverted for Poultry/livestock feeding
Clean drink	ing water should	be ensured round	the clock and water troughs/feeders should be regularly cleaned,
Pigs	All stages	FMD (high fever	Avoid dampness and cover weak and sick animals
		and appearance	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
		mouth and foot.)	Tapeworms) viz. Fento Plus @ 1 tablet per 30 kg body weight.
		Swine Fever	 Provide proper bedding materials especially to new-born
			piglets and lukewarm food & water
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
			• Provide proper bedding materials especially to new-born and lukewarm food & water
			 Provide feed supplements
	A 11 .		
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. 			
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: 27th to 30th 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/2018/08

Dated: Fri, 26th January 2018



Weather summery of the previous week	Weather forecast valid up to 28 th Jan'2018
Rainfall = 0.0 mm (up to 23^{rd} Jan)	Generally clear/dry weather forecasted. Daily maximum and
	minimum temperature for the following period is predicted to be 26-
	27°C and 12-14°C respectively. Expected morning and evening
	relative humidity will be 100% and 29-47% respectively. Wind
	direction is mainly ESE & E with speed range of 0-2 kmph.
Warning:	Rain in few isolated places

Weather Based Agro-meteorological Advisories Bulletin

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

Crop	Stage	Pest/Disease	Precautionary Practices to be followed
			FIELD CROPS
Pea	Vegetative	Powdery mildew/ leaf eating insects	 Need based foliar spray of Dinocap (0.2%) or Carbendazim 50WP (0.1%) or Propiconazole (0.1%) using stickers in case of rainfall. On clear weather, spray of Azadirachtin 0.15% EC @ 6ml/lit against leaf eating insects or using stickers in case of rainfall
Mustard	Vegetative	Aphid	 When population level is high spraying of Dimethoate @ 4 ml per litre of water is advised using stickers in case of rainfall
		·	VEGETABLES
Ginger/ Turmeric	Maturity		 Harvest the mature crop, Cure should be taken while harvest so that the rhizome is not damaged,
Potato	Vegetative	Red Ants/ Late blight/ Alternaria blight	 Spray Indofil m-45 at regular interval of 7 days in potato/tomato against Alternaria blight using stickers in case of rainfall 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 using stickers in case of rainfall.
Cabbage/ Cauliflower/ Knolkhol/ Others	Maturity/ Harvesting	Leaf eating caterpillars/ Aphids	Suspend all spray operations
		HORT	ICULTURAL CROPS
Citrus	Maturity/ harvesting	Bark eating caterpillar, Trunk borer, Blue & Green mould	 Orange (only if harvesting is over): Go for drenching with Dichlorovos 76 EC@0.05% against trunk-borer. Against Blue & Green mould, spray Imazalil 34 WP @ 1g/lit using stickers in case of rainfall. Prune away the diseased portion of the plant. In case of Bark eating caterpillar, remove the wooden frass present in between the joints of the trunk and inject Dichlorovos (DDVP) 76 EC 0.1 percent @ 5ml in the larval tunnel with the help of disposable syringe and push cotton swab soaked in Dichlorovos solution in the larval tunnel.
Banana	All stages	Sigatoka Leaf spot	 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 water using stickers in case of rainfall
			Honey Bees
			• Box must be covered with straw/dry leaves to provide warmth
			warmth LIVESTOCKS
Livestock	Stage	Disease	Precautionary Practices to be followed
Damaged gr	ain (not fungus c	contaminated) to b	General e diverted for Poultry/livestock feeding
			the clock and water troughs/feeders should be regularly cleaned,
Pigs	All stages	FMD (high fever and appearance of mucous membrane of the mouth and foot.) Swine Fever	 Avoid dampness and cover weak and sick animals with sack cloth. Animals should be given lukewarm feed and water. Right time to deworm with anti helmetic drugs (particularly Tapeworms) viz. Fento Plus @ 1 tablet per 30 kg body weight. Provide proper bedding materials especially to new-born piglets and lukewarm food & water
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 & waterProvide feed supplements	
Pigs	All stages	FMD (high fever and appearance of mucous membrane of the mouth and foot.) Swine Fever	 Iron injection within 10 days of birth is advised to newly born piglets if they are kept in confined system Deworm with anti helmetic drugs (particularly Tapeworms) viz. Fento Plus @ 1 tablet per 30 kg body weight In present weather conditions vaccinate against swine fever (Vaccines available in State Veterinary Depts), 	
Contact Scientists (ICAR) or State Agril Staff or KVK staff for measures against adverse conditions or call at 03795-226237/226247				



कृषि मौसम सलाहकार सेवा पत्रिका

Agro-met Advisory Bulletin

(Period: 27th to 30th 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/2018/08

Dated: Fri, 26th January 2018



Weather summery of the previous week	Weather forecast valid up to 31 st Jan'2018
Rainfall = 0.0 mm (up to 23^{rd} Jan)	Partly cloudy with possibility of light/moderate rainfall. Daily
	maximum and minimum temperature for the following period is
	predicted to be 21-23°C and 06-07°C respectively. Expected
	morning and evening relative humidity will be 62-82% and 37-58%
	respectively. Wind direction is mainly SSE & S with speed range of
	5-7 kmph.
Warning:	Rain in few isolated places

Weather Based Agro-meteorological Advisories Bulletin

General Recommendations

• Disinfecting the animal/bird sheds with lime powder/bleaching powder/4%NaOH at regular interval is advocated

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

Crop	Stage	Pest/Disease	Precautionary Practices to be followed
			FIELD CROPS
Pea	Vegetative	Powdery mildew/ leaf eating insects	 Need based foliar spray of Dinocap (0.2%) or Carbendazim 50WP (0.1%) or Propiconazole (0.1%) using stickers in case of rainfall. On clear weather, spray of Azadirachtin 0.15% EC @ 6ml/lit against leaf eating insects or using stickers in case of rainfall
			VEGETABLES
Ginger/ Turmeric	Maturity		 Harvest the mature crop, Cure should be taken while harvest so that the rhizome is not damaged,
Potato	Vegetative	Red Ants/ Late blight/ Alternaria blight	 Spray Indofil m-45 at regular interval of 7 days in potato/tomato against Alternaria blight using stickers in case of rainfall 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 using stickers in case of rainfall.
Cabbage/ Cauliflower/ Knolkhol/ Others	Maturity/ Harvesting	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 using stickers in case of rainfall
		HORT	ICULTURAL CROPS
Temperate fruits	After harvesting		 Training & pruning of the temperate crops (apple/pears/peach) is recommended In case of flowering, stop spraying insecticides/pesticides
Citrus	Maturity/ harvesting	Bark eating caterpillar, Trunk borer, Blue & Green mould	 Orange (only if harvesting is over): Go for drenching with Dichlorovos 76 EC@0.05% against trunk-borer. Against Blue & Green mould, spray Imazalil 34 WP @ 1g/lit using stickers in case of rainfall. Prune away the diseased portion of the plant. In case of Bark eating caterpillar, remove the wooden frass present in between the joints of the trunk and inject Dichlorovos (DDVP) 76 EC 0.1 percent @ 5ml in the larval tunnel with the help of disposable syringe and push cotton swab soaked in Dichlorovos solution in the larval tunnel.
Pineapple	Harvesting		 After winter harvest, collection/Selection of suckers & slip to be done for next season planting
Banana	Bunching	Cold	 Cover newly emerged bunches with locally available sack to protect from cold/frost Mulching with straw/crop residue at root zone to avoid frost injury in banana.
Kiwi	Harvesting		 Should be harvested by snapping their stalks 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
• Damaged gr	ain (not fungus co	ontaminated) to b	General de 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	

Cattle	membrane of the mouth and foot.) Swine FeverAll stagesFMD	 Tapeworms) viz. Fento Plus @ 1 tablet per 30 kg body weight. Provide proper bedding materials especially to new-born piglets and lukewarm food & water Animals should be given lukewarm feed and water. Right time to deworm with anti helmetic drugs (particularly Tapeworms) viz. Fento Plus @ 1 tablet per 30 	
		 kg body weight. Provide proper bedding materials especially to new-born and lukewarm food & water Provide feed supplements 	
Fishery		 Application of quick lime is highly recommended in order to rectify water pH. Application of fish feed (mustard oil cake) is essential for achieving higher yield 	
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. 	
Mithun	FMD	 Polyvalent FMD vaccine with serotype O, A and Asia at 6 months of age and repeat after that 6 months interval by sub-cutaneous route. Pregnant animals above 7 months of pregnancy should be avoided. 	
Contact Scien	Contact Scientists (ICAR) or State Agril Staff or KVK staff for measures against adverse conditions or call at 03795-226237/226247		

> Agrometeorological Field Unit ICAR, BASAR

कृषि मौसम सलाहकार सेवा पत्रिका

Agro-met Advisory Bulletin

(Period: 27th to 30th January 2018)



ग्रामीण कृषि मौसम सेवा

GRAMIN KRISHI MAUSAM SEWA



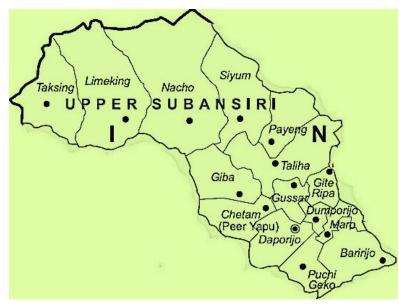


AMFU, ICAR Research Complex for NEH Region Arunachal Pradesh Centre, Basar-791101

District: Upper Subansiri

No: AMFU-Basar/2018/08

Dated: Fri, 26th January 2018



Weather summery of the previous week	Weather forecast valid up to 31 st Jan'2018
Daporijo: 0.0 mm (up to 23 rd Jan)	Partly cloudy with possibility of light/moderate rainfall. Daily
	maximum and minimum temperature for the following period is
	predicted to be 22-24°C and 11-12°C respectively. Expected
	morning and evening relative humidity will be 72-88% and 43-64%
	respectively. Expected wind direction is mainly SW with speed
	range of 3-6 kmph.
Warning	Rain in few isolated places

Weather Based Agro-meteorological Advisories Bulletin

- Disinfecting the animal/bird sheds with lime powder/ bleaching powder/ 4%NaOH at regular interval is advocated
- 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
			FIELD CROPS
Pea	Vegetative	Powdery mildew/ leaf eating insects	 Need based foliar spray of Dinocap (0.2%) or Carbendazim 50WP (0.1%) or Propiconazole (0.1%) using stickers in case of rainfall. On clear weather, spray of Azadirachtin 0.15% EC @ 6ml/lit against leaf eating insects or using stickers in case of rainfall
			VEGETABLES
Potato	Vegetative	Red Ants/ Late blight/ Alternaria blight	 Spray Indofil m-45 at regular interval of 7 days in potato/tomato against Alternaria blight using stickers in case of rainfall 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/ Knolkhol/ Others	Maturity	Leaf eating caterpillars/ Aphids	 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 using stickers in case of rainfall. Spray with neem based pesticides against aphids using stickers in case of rainfall
		HORT	ICULTURAL CROPS
Citrus	Maturity/ harvesting	Bark eating caterpillar, Trunk borer, Blue & Green mould	 Orange (only if harvesting is over): Go for drenching with Dichlorovos 76 EC@0.05% against trunk-borer. Against Blue & Green mould, spray Imazalil 34 WP @ 1g/lit using stickers in case of rainfall. Prune away the diseased portion of the plant. In case of Bark eating caterpillar, remove the wooden frass present in between the joints of the trunk and inject Dichlorovos (DDVP) 76 EC 0.1 percent @ 5ml in the larval tunnel with the help of disposable syringe and push cotton swab soaked in Dichlorovos solution in the larval tunnel.
Temperate fruits	After harvesting		 Training & pruning of the temperate crops (apple/pears/peach) is recommended
Large Cardamom	Fruiting	Chirkey Disease	• Remove dry/diseased/old tillers & branches & spray Bio NPK@ 2ml/lit water for proper growth using stickers in case of rainfall.
Banana	Bunching	Cold	 Cover newly emerged bunches with locally available sack to protect from cold/frost
Orchards			 Prepare half moon terraces in fruit crops (orange/banana/apple/peach) grown in steep slopes to prevent nutrient loss during heavy downpour. Follow proper drainage and earthing up practices in low land/plain areas to avoid water stagnation in fruit orchards Honey Bees
Honey bees			Provide sugar syrup near the box
Tioney bees			Add insulation and ventilation systems
.	C:	D:	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, • Keep fish stoking density thin @1200/ha
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 Provide feed supplements
Pigs	All stages	FMD (high fever and appearance of mucous	

Mithun	membrane of the mouth and foot.) Swine Fever 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 piglets and lukewarm food & water Polyvalent FMD vaccine with serotype O, A and Asia at 6 months of age and repeat after that 6 months interval by sub-cutaneous route. Pregnant animals above 7 months of pregnancy should be avoided. 	
Contact Scientists (ICAR) or State Agril Staff or KVK staff for measures against adverse conditions or call at 03795-226237/226247			

> Agrometeorological Field Unit ICAR, BASAR

कृषि मौसम सलाहकार सेवा पत्रिका

Agro-met Advisory Bulletin

(Period: 27th to 30th January 2018)



ग्रामीण कृषि मौसम सेवा

GRAMIN KRISHI MAUSAM SEWA





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

District: West Kameng

No: AMFU-Basar/2018/08

Dated: Fri, 26th January 2018



Weather summery of the previous week	Weather forecast valid up to 31 st Jan'2018
Rainfall = Bomdila: 0.0 ; Bhalukpong: 0.0 mm (up to 23 rd Jan)	Partly cloudy with possibility of very light rainfall. Daily maximum and minimum temperature for the following period is predicted to be 21-23°C and 06-07°C respectively. Expected morning and evening relative humidity will be 86-91% and 30-42% respectively. Wind direction is mainly NW & NNW with speed
	range of 5-6 kmph.
Warning:	Moderate to dense fog likely to occur at isolated places

Weather Based Agro-meteorological Advisories Bulletin

General Recommendations

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

Сгор	Stage	Pest/Disease	Precautionary Practices to be followed
			FIELD CROPS
Pea	Vegetative		 Suspend all spray operations
			VEGETABLES
Potato	Vegetative	Red Ants/ Late blight/ Alternaria blight	 Spray Indofil m-45 at regular interval of 7 days in potato/tomato against Alternaria blight using stickers in case of rainfall 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 using stickers in case of rainfall.
Cabbage/ Cauliflower/ Knolkhol/ Others	Maturity/ Harvesting	Leaf eating caterpillars/ Aphids	• Suspend all spray operations and application of fertilizers
		HORT	ICULTURAL CROPS
Temperate fruits	After harvesting		 Training & pruning of the temperate crops (apple/pears/peach) is recommended In case of flowering, stop spraying insecticides/pesticides
Banana	Bunching	Cold	 Cover newly emerged bunches with locally available sack to protect from cold/frost
Citrus	Maturity/ harvesting	Fruit Drop Fruit Fly Gummosis	 Harvest the mature fruit with stalk and store in dry places. Collect & dispose rotten fallen fruits/ install fruit-fly traps 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
			Honey Bees
Honey bees			Provide sugar syrup near the box
			Add insulation and ventilation systems
Livestock	Stage	Disease	Precautionary Practices to be followed
LIVESLUCK	Stage	Disease	General
Domogod gr	ain (not fungus c	ontominated) to h	e diverted for Poultry/livestock feeding
0 0			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 mouth and foot.) Swine Fever	 Avoid dampness and cover weak and sick animals with sack cloth. Animals should be given lukewarm feed and water. Right time to deworm with anti helmetic drugs (particularly Tapeworms) viz. Fento Plus @ 1 tablet per 30 kg body weight. Provide proper bedding materials especially to new-born piglets and lukewarm food & water
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. 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

			born chicks.
Mithun		FMD	• Polyvalent FMD vaccine with serotype O, A and Asia at 6 months of age and repeat after that 6 months interval by sub-cutaneous route.
			• Pregnant animals above 7 months of pregnancy should be avoided.
Contact Scientists (ICAR) or State Agril Staff or KVK staff for measures against adverse conditions or call at 03795-226237/226247			

> Agrometeorological Field Unit ICAR, BASAR

कृषि मौसम सलाहकार सेवा पत्रिका Agro-met Advisory Bulletin

(Period: 27th to 30th 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/2018/08

Dated: Fri, 26th 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 31 st Jan'2018
Basar: Rainfall = 0.0 mm. T. Max: 23.0° C,	Mostly/partly cloudy with possibility of light/moderate rainfall.
T. Min: 7.3°C, RH: 52-97%, Wind Speed: 3-	Daily maximum and minimum temperature for the following period
5 kmph, Wind Direction: NW & SW	is predicted to be 25-26°C and 11-12°C respectively. Expected
	morning and evening relative humidity will be 62-78% and 35-57%
	respectively. Wind direction is mainly W & WNW with speed range
	of 3-7 kmph.
Warning:	Rain in few isolated places

Weather Based Agro-meteorological Advisories Bulletin

General Recommendations

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

Сгор	Stage	Pest/Disease	Precautionary Practices to be followed
			FIELD CROPS
Pea	Vegetative	Powdery mildew/ leaf eating insects	 Need based foliar spray of Dinocap (0.2%) or Carbendazim 50WP (0.1%) or Propiconazole (0.1%) using stickers in case of rainfall.
			 On clear weather, spray of Azadirachtin 0.15% EC @ 6ml/lit against leaf eating insects or using stickers in case of rainfall
Mustard	Vegetative	Aphid	 When population level is high spraying of Dimethoate @ 4 ml per litre of water is advised using stickers in case of rainfall
			VEGETABLES
Ginger/ Turmeric	Maturity		 Harvest the mature crop, Cure should be taken while harvest so that the rhizome is not damaged,
Potato	Vegetative	Red Ants/ Late blight/ Alternaria blight	 Spray Indofil m-45 at regular interval of 7 days in potato/tomato against Alternaria blight using stickers in case of rainfall 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 using stickers in case of
Cabbage/ Cauliflower/ Knolkhol/ Others	Maturity	Leaf eating caterpillars/ Aphids	 rainfall. Suspend all spray operations and application of fertilizers
		HORT	ICULTURAL CROPS
Pineapple	Harvesting		• After winter harvest, collection/Selection of suckers & slip to be done for next season planting
Temperate fruits	After harvesting		• Training & pruning of the temperate crops (apple/pears/peach) is recommended
Citrus	Maturity/ harvesting	Bark eating caterpillar, Trunk borer, Blue & Green mould	 In case of flowering, stop spraying insecticides/pesticides Orange (only if harvesting is over): Go for drenching with Dichlorovos 76 EC@0.05% against trunk-borer. Against Blue & Green mould, spray Imazalil 34 WP @ 1g/lit using stickers in case of rainfall. Prune away the diseased portion of the plant. In case of Bark eating caterpillar, remove the wooden frass present in between the joints of the trunk and inject Dichlorovos (DDVP) 76 EC 0.1 percent @ 5ml in the larval tunnel with the help of disposable syringe and push cotton swab soaked in Dichlorovos solution in the larval tunnel.
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 using stickers in case of rainfall.
			Honey Bees
Honey bees			 Cover the boxes with locally available dry grass or straw to provide warmt
			LIVESTOCKS
Livestock	Stage	Disease	Precautionary Practices to be followed
0 0	ain (not fungus co		 General e diverted for Poultry/livestock feeding the clock and water troughs/feeders should be regularly cleaned, 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	 Avoid dampness and cover weak and sick animals with sack cloth. Animals should be given lukewarm feed and water. Right time to deworm with anti helmetic drugs (particularly Tapeworms) viz. Fento Plus @ 1 tablet per 30 kg body weight. Provide proper bedding materials especially to new-born piglets and lukewarm food & water 	
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 Provide feed supplements 	
Mithun		FMD	 Polyvalent FMD vaccine with serotype O, A and Asia at 6 months of age and repeat after that 6 months interval by sub-cutaneous route. Pregnant animals above 7 months of pregnancy should be avoided. 	
Contact Scier	Contact Scientists (ICAR) or State Agril Staff or KVK staff for measures against adverse conditions or call at 03795-226237/226247			