Agro-met Advisory Bulletin

(Period: 13th to 16th January 2018)

ग्रामीण कृषि मौसम सेवा



GRAMIN KRISHI MAUSAM SEWA

(Integrated Agro-Meteorological Advisory Services)

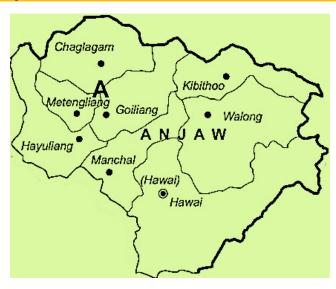


AMFU, ICAR Research Complex for NEH Region Arunachal Pradesh Centre, Basar-791101

District: Anjaw

No: AMFU-Basar/2018/04

Dated: Tue, 12th January 2018



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

Weather summery of the previous week	Weather forecast valid up to 17 th Jan'2018
No weather summary available	Mostly sunny with possibility of very light rainfall. Daily maximum and minimum temperature for the following period is predicted to be 14-16°C and 03-05°C respectively. Expected morning and evening relative humidity will be 80-88% and 27-57% respectively. Wind direction is mainly SE and a speed range of 3-7 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
Crop	Stage	1 COUDISCASE	FIELD CROPS
Mustard	Vegetative	White rust/ Downey mildew	Need-based foliar spray of Metalaxyl+Dithane M-45 @ 2.5g/lit at 15 days intervalfor management of White rust/Downy mildew in mustard
Pea	Vegetative	Cut-worm	 Regular monitoring of crop against attack of cutworm is advised,
Rice	Harvesting		Sun-dry & properly winnow the grains for safe storage.In case of rain delay harvesting
Black Gram & Green Gram	Vegetative	Powdery mildew	 Need based foliar spray of Sulfex@2g/lit water to control powdery mildew in black/green gram/pea
			VEGETABLES
Ginger/ Turmeric	•	X C	 Harvest the mature crop, Cure should be taken while harvest so that the rhizome is not damaged,
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
Potato	Vegetative	Red Ants/ Late blight/ Alternaria blight	 Weeding and application of fertilizer as per recommended doses is suggested in potato. 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,
		НО Р7	 Foliar spray of Dithane M-45@2.5g/litre of water for management of potato late blight. FICULTURAL 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
G':	3.6	D 1 2	frost injury in banana.
Citrus Temperate fruits	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 Training & pruning of the temperate crops (apple/pears/peach)
Temperate frants	Titter har vesting		is recommended
* • •	G:	D.	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	 with sack cloth. Animals should be given lukewarm feed and water. Right time to deworm with anti helmetic drugs (particularly)

			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 	
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 from vaccination.	
Contact S	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: 13th to 16th January 2018)

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GRAMIN KRISHI MAUSAM SEWA

(Integrated Agro-Meteorological Advisory Services)

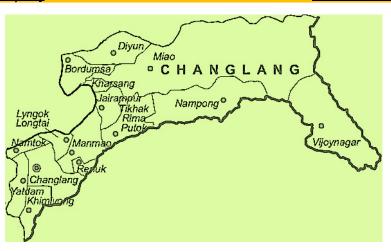


AMFU, ICAR Research Complex for NEH Region Arunachal Pradesh Centre, Basar-791101

District: Changlang

No: AMFU-Basar/2018/04

Dated: Tue, 12th January 2018



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

Weather summery of the previous week	Weather forecast valid up to 17 th 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 21-
	22°C and 07-09°C respectively. Expected morning and evening
	relative humidity will be 85-87% and 21-35% respectively. Wind
	direction is mainly ESE 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 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
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
Potato	Vegetative	Red Ants/	VEGETABLES Weading and application of fautilization as not recommended.
rotato	vegetative	Late blight/	 Weeding and application of fertilizer as per recommended 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,
Cingon, I willier	1/10/00/1109		• Cure should be taken while harvest so that the
			rhizome is not damaged,
		1	ICULTURAL 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.
			• 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 fallowed by approximate of familiated Code and aring (2) 1 and (1) after the familiation of the provided of the p
			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.
TT 1			Honey Bees
Honey bees			Box must be covered with straw/dry leaves to provide
			warmthProvide sugar syrup
			LIVESTOCKS
Livestock	Stage	Disease	Precautionary Practices to be followed
	0	-	General
	_		e diverted for Poultry/livestock feeding
• Clean drink		pe ensured round	the clock and water troughs/feeders should be regularly cleaned,
	All stages	EMD (h: ~h f	Deworming for gastrointestinal parasite A valid day property and seven week and sick animals.
Pigs	All stages	FMD (high fever and appearance	 Avoid dampness and cover weak and sick animals with sack cloth.
		of mucous	 Animals should be given lukewarm feed and water.
		membrane of the	 Affilials should be given lukewarm feed and water. 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	 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. VK staff for measures against adverse conditions or call

at 03795-226237/226247

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(Period: 13th to 16th 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/2018/04

Dated: Tue, 12th January 2018



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

Weather summery of the previous week	Weather forecast valid up to 17 th Jan'2018
Rainfall = 0.0 mm (Anini)	Generally sunny weather forecasted. Daily maximum and
	minimum temperature for the following period is predicted to be 13-
	15°C and 03-04°C respectively. Expected morning and evening
	relative humidity will be 85-94% and 37-51% respectively. Wind
	direction is mainly 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



Crop	Stage	Pest/Disease	Precautionary Practices to be followed
Rice	Harvesting		FIELD CROPS Sun dry & preparly winness the grains for safe storage
Ricc	Trai vesting		Sun-dry & properly winnow the grains for safe storage.In case of rain delay harvesting
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
			 Spray neem-based pesticides against leaf eating insects
			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,
			• Red Ants: - Drenching with Chlorpyriphos @ 2 ml per litre of
			water, Folior energy of Dithono M. 45@2.5 c/litro of vyctor for
			 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/	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
	I .		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
		Guillillosis	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.
Banana	Bunching	Cold	Breakdown the soil collected around the tree trunk Cover results around harden with leadily available coals to
Danana	Building	Colu	 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.
			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
0 0			e diverted for Poultry/livestock feeding
			the clock and water troughs/feeders should be regularly cleaned,
Pigs	All stages	FMD (high fever	Avoid dampness and cover weak and sick animals
		and appearance of mucous	with sack cloth.
		membrane of the	Animals should be given lukewarm feed and water. Dight time to device with out helmestic draws (neutroplant).
		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	 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.
22		-	Right time to deworm with anti helmetic drugs
			(particularly Tapeworms) viz. Fento Plus @ 1 tablet per 30
			· <u>-</u>

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

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(Period: 13th to 16th 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: East Kameng

No: AMFU-Basar/2018/04

Dated: Tue, 12th January 2018



Weather summery of the previous week	Weather forecast valid up to 17 th 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 05-07°C respectively. Expected morning and evening
	relative humidity will be 81-88% and 39-51% respectively.
	Expected wind direction is mainly SE with speed range of 5 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	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.
Pea	Sowing		 In case of rain delay harvesting Treat pea with rhizobium@2gm/kg seed before sowing or treat
			with carbendazim @ 2g/kg seed before sowingProvide irrigation to plants
			 Complete sowing by 1st fortnight of Nov. for better yield
Soybean	Harvesting		• Immediately harvest soybean & thoroughly dry in sun.
Cin con/Transcrip	Maturity		VEGETABLES
Ginger/ Turmeric	Maturity		 Harvest the mature crop, Cure should be taken while harvest so that the
Potato	Vegetative	Red Ants/	rhizome is not damaged,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
		Theomana onghe	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/ Knolkhol/		caterpillars/ Aphids	• In present weather conditions severe attack of leaf eating caterpillars has been reported. Spray Azadirachtin(0.015%)
Others		ripinas	@6ml/litre of water when weather is clear.
			Spray with neem based pesticides against aphids
Citrus	Maturity/	HOR's 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.
Banana	Bunching	Cold	 Breakdown the soil collected around the tree trunk 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	Flowering stage	Chirkey Disease (fungal inection) &	Mulching with locally available materials like dry grass/paddy straw recommended
		Chirke and Foorkey (virus infection)	 Remove diseased part & keep inflorescence clean. Uproot & burn virus infected plants
Pineapple	Active		Mulching with locally available materials like dry grass/paddy
	vegetative		 straw recommended Remove excess suckers to increase fruit size and improve
Ginger/Turmeric	Seedling		quality.Mulching with locally available materials like dry grass/paddy
			straw recommendedProper 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,	
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 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. 	
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 Contact Scienti	ets (ICAP) on St	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 Scienti	Contact Scientists (ICAR) or State Agril Staff or KVK staff for measures against adverse conditions or call at 03795- 226237/226247			

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GRAMIN KRISHI MAUSAM SEWA

(Integrated Agro-Meteorological Advisory Services)



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

District: East Siang

No: AMFU-Basar/2018/04

Dated: Tue, 12th January 2018



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

Weather summery of the previous week	Weather forecast valid up to 17 th Jan'2018
Rainfall: 0.0 mm; T. Max: 23.0°C; T. Min:	Generally clear/dry weather forecasted. Daily maximum and
12.0°C; RH: 60-72%	minimum temperature for the following period is predicted to be 22-
	23°C and 11-12°C respectively. Expected morning and evening
	relative humidity will be 85-87% and 28-51% respectively.
	Expected wind direction is mainly 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

- 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
D	X7	T C .:	ml per litre of water is advised
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
			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/	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
		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.
			 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.
D	A 11	G: 4 1 T G	Breakdown the soil collected around the tree trunk
Banana	All stages	Sigatoka Leaf	One sword sucker may be allowed after shooting (Flowering),
		spot	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
Kiwi	Harvesting		Wate Should be hervested by enemping their stelles
IXIWI	11ai vestilig		Should be harvested by snapping their stalks Fruit should be stored boyes containing auchiening metarials.
			• Fruit should be stored boxes containing cushioning materials and transported to the market in hard condition.
			Honey Bees
Honey bees			
Tioney occs			 Cover the boxes with locally available dry grass or straw to provide warmth
	<u> </u>		LIVESTOCKS
I irrosto al-	Ctoro	Diagona	
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			the clock and water troughs/feeders should be regularly cleaned,
Pigs	All stages	FMD (high fever	
	[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
L	I	1	

			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
Contact Coin	dista (ICAD)	Ctoto A cuil Ct-C	avoided.
Contact Scien	Contact Scientists (ICAR) or State Agril Staff or KVK staff for measures against adverse conditions or call at 03795-226237/226247		

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

Agro-met Advisory Bulletin

(Period: 13th to 16th 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/2018/04

Dated: Tue, 12th January 2018



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

Weather summery of the previous week	Weather forecast valid up to 17 th Jan'2018
Past weather summary not available	Generally sunny weather forecasted Daily maximum and
	minimum temperature for the following period is predicted to be 13-
	14°C and 03-04°C respectively. Expected morning and evening
	relative humidity will be 84-89% and 26-59% 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
71 1 7 0		1	FIELD CROPS
Black Gram & Green Gram	Vegetative		 Need based foliar spray of Sulfex@2g/lit water to control powdery mildew in black/green gram/pea
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
	, egetative	Late blight/	doses is suggested in potato.
		Alternaria blight	
			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
		HORT	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.
			 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
Peach	Post-harvesting		frost injury in banana.
Peach	Post-narvesting		Training & pruning of diseased/criss-cross branches to harvest more soler energy & for prepar growth
17: '	TT .:		more solar energy & for proper growth.
Kiwi	Harvesting		Should be harvested by snapping their stalks
			• Fruit should be stored boxes containing cushioning materials
Dingonalo	Corring		and transported to the market in hard condition.
Pineapple	Sowing		Clean the vicinity of plants by weeding and loosen up the soil. Paragraph and use it as a paragraph planting material.
			• Remove sly and use it as a new planting material.
			• Sucker dipping treatment with Bavistin @ 3g + Chlorpyriphos
			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
			warmth
			LIVESTOCKS
			General
Damaged gr	ain (not fungus c	ontaminated) to b	oe diverted for Poultry/livestock feeding
	_		the clock and water troughs/feeders should be regularly cleaned,
Livestock	Stage	Disease	Precautionary Practices to be followed
Pigs	All stages	FMD (high fever	*
5		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
	<u> </u>	1	1 10 1100 proper obtaing materials especially to new both

			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)
			 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.
Contact Scien	tigta (ICAD) on	State Agril Staff	• Pregnant animals above 7 months of pregnancy should be avoided. for KVK staff for measures against adverse conditions or call

at 03795-226237/226247

Agro-met Advisory Bulletin

(Period: 13th to 16th 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/2018/04

Dated: Tue, 12th January 2018



Weather summery of the previous week	Weather forecast valid up to 17 th Jan'2018
Rainfall = 0.0 mm	Mostly sunny weather forecasted with possibility of very light
	rain. Daily maximum and minimum temperature for the following
	period is predicted to be 22-24°C and 07-09°C respectively. Expected
	morning and evening relative humidity will be 84-87% and 18-45%
	respectively. Wind direction is mainly ENE 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 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
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
Circum / Transcript	Matanita		VEGETABLES
Ginger/ Turmeric	Maturity		Harvest the mature crop, Come about the talent while because that the
			 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
	Ü	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/		caterpillars/	• In present weather conditions severe attack of leaf eating
Knolkhol/ Others		Aphids	caterpillars has been reported. Spray Azadirachtin(0.015%)
Others			@6ml/litre of water when weather is clear.
		HORT	Spray with neem based pesticides against aphids ICULTURAL CROPS
Large Cardamom	Fruiting	Chirkey Disease	Remove dry/diseased/old tillers & branches & spray
20180 001001110111	110111119		Bio NPK@ 2ml/lit water for proper growth.
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
Kiwi	Harvesting		wateShould be harvested by snapping their stalks
	1141 (0001119		• Fruit should be stored boxes containing cushioning materials
			and transported to the market in hard condition.
Honershire			Honey Bees
Honey bees			 Cover the boxes with locally available dry grass or straw to provide warmth
			LIVESTOCKS
Livestock	Stage	Disease	Precautionary Practices to be followed
			General e diverted for Poultry/livestock feeding
0 0			the clock and water troughs/feeders should be regularly cleaned,
Pigs	All stages	FMD (high fever	 Avoid dampness and cover weak and sick animals

		of mucous membrane of the mouth and foot.) Swine Fever	 Animals should be given lukewarm feed and water. Right time to deworm with anti helmetic drugs (particularly Tapeworms) viz. Fento Plus @ 1 tablet per 30 kg body weight. Provide proper bedding materials especially to new-born piglets and lukewarm food & water
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 subcutaneous route. Pregnant animals above 7 months of pregnancy should be avoided.
Contact Scien	atists (ICAR) or	——————————————————————————————————————	or KVK staff for measures against adverse conditions or call 795-226237/226247

Agro-met Advisory Bulletin

(Period: 13th to 16th 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/2018/04

Dated: Tue, 12th January 2018



Weather summery of the previous week	Weather forecast valid up to 17 th Jan'2018
Rainfall = 0.0 mm (Roing)	Generally sunny weather forecasted. Daily maximum and
	minimum temperature for the following period is predicted to be 22-
	23°C and 05-07°C respectively. Expected morning and evening
	relative humidity will be 81-88% and 38-51% respectively. Wind
	direction is mainly S with speed range of 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
		1	FIELD CROPS
Mustard	Vegetative	Aphid	 When population level is high spraying of Dimethoate @ 4 ml per litre of water is advised
Pea	Vegetative	Leaf-eating	 Provide irrigation to plants
		insects	 Spray neem-based insecticides against leaf eating insects
			VEGETABLES
Ginger/ Turmeric	Maturity		
Oniger/ Turnierie	Waturity		 Harvest the mature crop, Cure should be taken while harvest so that the
Detete	Vacatatina	Dod Anto/	rhizome is not damaged,
Potato	Vegetative	Red Ants/ Late blight/	Weeding and application of fertilizer as per recommended 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/ Others		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	ICULTURAL 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
Large Cardamom	Fruiting	Chirkey Disease	• Remove dry/diseased/old tillers & branches & spray Bio NPK@ 2ml/lit water for proper growth.
Banana	Multiple stages	Sigatoka Leaf	One sword sucker may be allowed after shooting (Flowering),
		spot	 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
			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
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.
		membrane of the	Animals should be given lukewarm feed and water. Bight time to deworm with anti-halmetic drugs (particularly).
		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	 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 poultry shed during night, Provide heat by lighting 100W bulb @ 1 bulb per 20 newly born chicks.
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

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

Agro-met Advisory Bulletin

(Period: 13th to 16th 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/2018/04

Dated: Tue, 12th January 2018



Weather summery of the previous week	Weather forecast valid up to 17 th Jan'2018
Rainfall = NA	Generally Sunny weather forecasted. Daily maximum and
	minimum temperature for the following period is predicted to be 22-
	23°C and 05-07°C respectively. Expected morning and evening
	relative humidity will be 81-88% and 38-51% respectively. Wind
	direction is mainly SE & SSE with speed range of 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
Dog	Cowing		FIELD CROPS
Pea	Sowing		• Treat pea with rhizobium@2gm/kg seed before sowing or treat
			with carbendazim @ 2g/kg seed before sowing
			 Provide irrigation to plants
			 Complete sowing by 1st fortnight of Nov. for better yield
Soybean	Harvesting		 Immediately harvest soybean & thoroughly dry in sun.
Rice	Maturity/	Gundhi bug/	harvest the mature crop
	Harvesting	leaf folder/ rice	• proper sun-drying before storag
		skipper	
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
		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
		HORT	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.
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	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
Pineapple	Sowing		 Clean the vicinity of plants by weeding and loosen up the soil.
Ппсарыс	bowing		 Remove sly and use it as a new planting material.
			 Sucker dipping treatment with Bavistin @ 3g + Chlorpyriphos
			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			 Box must be covered with straw/dry leaves to provide
			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 (nanticularly)
		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	 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	ACA D	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. ff or KVK staff for measures against adverse conditions or call

at 03795-226237/226247

Agro-met Advisory Bulletin

(Period: 13th to 16th 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/2018/04

Dated: Tue, 12th January 2018



Weather summery of the previous week	Weather forecast valid up to 17 th Jan'2018
Rainfall: 0.0 mm; T. Max: 26.0°C; T. Min: 09.0°C; RH: 56-76%	Generally clear/dry weather forecasted. Daily maximum and minimum temperature for the following period is predicted to be 24-25°C and 09-10°C respectively. Expected morning and evening relative humidity will be 87-88% and 36-47% 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
		,	FIELD CROPS
Mustard	Vegetative	Aphid	 When population level is high spraying of Dimethoate @ 4 ml per litre of water is advised
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 insects	Provide irrigation to plants
1.6			Spray neem-based insecticides against leaf eating insects
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/	Weeding and application of fertilizer as per recommended
		Late blight/ Alternaria blight	doses is suggested in potato.
		Atternaria origin	• 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/ Others		Aphids	caterpillars has been reported. Spray Azadirachtin(0.015%) @6ml/litre of water when weather is clear.
Others			 Spray with neem based pesticides against aphids
		HORT	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. 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
Large Cardamom	Fruiting	Chirkey Disease	Remove dry/diseased/old tillers & branches & spray Bi- NBV @ 2-1/lite and the formula and the spray Output District and the spray of the spr
Banana	Multiple stages	Sigatoka Leaf	 Bio NPK@ 2ml/lit water for proper growth. One sword sucker may be allowed after shooting (Flowering),
Dallalla	wintiple stages	spot	 One sword sucker may be allowed after shooting (Flowering), Periodical removal of side suckers by cutting them above the
		Spot	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
			Honey Bees
Honey bees			Box must be covered with straw/dry leaves to provide
			warmth
-			LIVESTOCKS
Livestock	Stage	Disease	Precautionary Practices to be followed
. D .	(· · · · ·	4	General
0 0			be diverted for Poultry/livestock feeding
• Clean drink	All stages	De ensurea round	 the clock and water troughs/feeders should be regularly cleaned, Deworming for gastrointestinal parasite
Pigs	All stages	FMD (high fever	-
1 182	All stages	and appearance	Avoid dampness and cover weak and sick animals 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
Fishery			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 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
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	ntists (ICAR) or	State Agril Staff	or KVK staff for measures against adverse conditions or call

at 03795-226237/226247

Agro-met Advisory Bulletin

(Period: 13th to 16th 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/2018/04

Dated: Tue, 12th January 2018



Weather summery of the previous week	Weather forecast valid up to 17 th Jan'2018
Rainfall = 0.0 mm	Generally clear/dry weather forecasted. Daily maximum and
	minimum temperature for the following period is predicted to be 10-
	11°C and 0.0-1.0°C respectively. Expected morning and evening
	relative humidity will be 54-65% and 01-45% respectively. Wind
	direction is mainly SE & SSW with probable speed range of 2-8
	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

Rice	Stage	Pest/Disease	Precautionary Practices to be followed
Rice	Unryacting		FIELD CROPS
Maize	Harvesting	Dot	Sun-dry & properly winnow the grains for safe storage.
Wiaize	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
		Late blight/ Alternaria blight	doses is suggested in potato.
		Atternaria bright	• 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 <u>M-45@2.5g/litre</u> of water for management of potato late blight.
Cabbage/	Maturity	Leaf eating	Light irrigation is essential,
Cauliflower/		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			 Spray with neem based pesticides against aphids
		HORT	FICULTURAL 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.
Temperate fruits	After harvesting		 Training & pruning of the temperate crops (apple/pears/peach
_			is recommended
Kiwi	Harvesting		Should be harvested by snapping their stalks
			 Fruit should be stored boxes containing cushioning material and transported to the market in hard condition.
Orchards			Prepare half moon terraces in fruit crop
			(orange/banana/apple/peach) grown in steep slopes to preven
			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
			 Cover the boxes with locally available dry grass to provide warmth.
			1 Warmin
Livestock	Stage	Disassa	LIVESTOCKS
Livestock	Stage	Disease	LIVESTOCKS Precautionary Practices to be followed
	<u> </u>		LIVESTOCKS
Damaged gra Clean drinki	ain (not fungus co	ontaminated) to b be ensured round	LIVESTOCKS Precautionary Practices to be followed General be diverted for Poultry/livestock feeding d the clock and water troughs/feeders should be regularly cleaned,
Damaged gra	ain (not fungus co	ontaminated) to be ensured round FMD (high fever	Precautionary Practices to be followed General be diverted for Poultry/livestock feeding d the clock and water troughs/feeders should be regularly cleaned, • Avoid dampness and cover weak and sick animals
Damaged gra Clean drinki	ain (not fungus co	ontaminated) to b be ensured round	Control of the clock and water troughs/feeders should be regularly cleaned, at a Avoid dampness and cover weak and sick animals with sack cloth.
Damaged gra Clean drinki	ain (not fungus co	ontaminated) to be ensured round FMD (high fever and appearance of mucous membrane of the	Precautionary Practices to be followed General be diverted for Poultry/livestock feeding d the clock and water troughs/feeders should be regularly cleaned, 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
Damaged gra Clean drinki	ain (not fungus co	ontaminated) to be ensured round FMD (high fever and appearance of mucous membrane of the mouth and foot.)	Precautionary Practices to be followed General be diverted for Poultry/livestock feeding d the clock and water troughs/feeders should be regularly cleaned, or 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 weigh
Damaged gra Clean drinki	ain (not fungus co	ontaminated) to be ensured round FMD (high fever and appearance of mucous membrane of the	Precautionary Practices to be followed General be diverted for Poultry/livestock feeding d the clock and water troughs/feeders should be regularly cleaned, 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 weigh Provide proper bedding materials especially to new-born
Damaged gra Clean drinki Pigs	ain (not fungus co ing water should) All stages	pontaminated) to be ensured round FMD (high fever and appearance of mucous membrane of the mouth and foot.) Swine Fever	Precautionary Practices to be followed General be diverted for Poultry/livestock feeding d the clock and water troughs/feeders should be regularly cleaned, • 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 weigh • Provide proper bedding materials especially to new-born piglets and lukewarm food & water
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Damaged gra Clean drinki Pigs	ain (not fungus co ing water should) All stages	pontaminated) to be ensured round FMD (high fever and appearance of mucous membrane of the mouth and foot.) Swine Fever	Precautionary Practices to be followed General be diverted for Poultry/livestock feeding d the clock and water troughs/feeders should be regularly cleaned, • 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 weigh • 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 3
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Damaged gra Clean drinki Pigs	ain (not fungus co ing water should) All stages	pontaminated) to be ensured round FMD (high fever and appearance of mucous membrane of the mouth and foot.) Swine Fever	Precautionary Practices to be followed General be diverted for Poultry/livestock feeding d the clock and water troughs/feeders should be regularly cleaned, • 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 weigh • 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 3
Damaged gra Clean drinki Pigs	ain (not fungus co ing water should) All stages	pontaminated) to be ensured round FMD (high fever and appearance of mucous membrane of the mouth and foot.) Swine Fever	Precautionary Practices to be followed General be diverted for Poultry/livestock feeding d the clock and water troughs/feeders should be regularly cleaned, • 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 weigh • 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 3 kg body weight. • Provide proper bedding materials especially to new-born an lukewarm food & water • Heavy mortality in cloven footed animals has been reported.
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Damaged gra Clean drinki Pigs	ain (not fungus co ing water should) All stages	pontaminated) to be ensured round FMD (high fever and appearance of mucous membrane of the mouth and foot.) Swine Fever	Drecautionary Practices to be followed General be diverted for Poultry/livestock feeding d the clock and water troughs/feeders should be regularly cleaned, of the clock and water troughs/feeders should be regularly cleaned, of the clock and water troughs/feeders should be regularly cleaned, of the clock and water troughs/feeders should be regularly cleaned, of the clock and water troughs/feeders should be regularly cleaned, of the clock and water troughs/feeders should be regularly cleaned, of the clock and water troughs/feeders should be regularly cleaned, of the clock and water troughs/feeders should be regularly cleaned, of the clock and water troughs/feeders should be given lukewarm feed and water. of Right time to deworm with anti helmetic drugs of the clock and water troughs/feeders should be given lukewarm feed and water. of Animals should be given lukewarm feed and water. of Right time to deworm with anti helmetic drugs of the clock and water. of Right time to deworm with anti helmetic drugs of the clock and water. of Right time to deworm with anti helmetic drugs of the clock and water. of Right time to deworm with anti helmetic drugs of the clock and water. of Right time to deworm with anti helmetic drugs of the clock and water. of Right time to deworm with anti helmetic drugs of the clock and water. of Right time to deworm with anti helmetic drugs of the clock and water. of Right time to deworm with anti helmetic drugs of the clock and water. of Right time to deworm with anti helmetic drugs of the clock and water. of Right time to deworm with anti helmetic drugs of the clock and water. of Right time to deworm with anti helmetic drugs of the clock and water. of Right time to deworm with anti helmetic drugs of the clock and water. of Right time to deworm with anti helmetic drugs of the clock and water. of Right time to deworm with anti helmetic drugs of the clock and water. of Right time to deworm with anti helmetic drugs of the clock and water. of Right time to deworm with anti helmetic drug
Damaged gra Clean drinki Pigs	ain (not fungus co ing water should) All stages	pontaminated) to be ensured round FMD (high fever and appearance of mucous membrane of the mouth and foot.) Swine Fever	Drecautionary Practices to be followed General be diverted for Poultry/livestock feeding d the clock and water troughs/feeders should be regularly cleaned, • 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 weigh • 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 3 kg body weight. • Provide proper bedding materials especially to new-born an 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,
Damaged gra Clean drinki Pigs	ain (not fungus co ing water should) All stages	pontaminated) to be ensured round FMD (high fever and appearance of mucous membrane of the mouth and foot.) Swine Fever	Drecautionary Practices to be followed General be diverted for Poultry/livestock feeding d the clock and water troughs/feeders should be regularly cleaned, • Avoid dampness and cover weak and sick animals with sack cloth. • Animals should be given lukewarm feed and water. • Right time to deworm with anti helmetic drugs (particularly Tapeworms) viz. Fento Plus @ 1 tablet per 30 kg body weight • Provide proper bedding materials especially to new-born piglets and lukewarm food & water • Animals should be given lukewarm feed and water. • Right time to deworm with anti helmetic drugs (particularly Tapeworms) viz. Fento Plus @ 1 tablet per 3 kg body weight. • Provide proper bedding materials especially to new-born an 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,

			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.
a , , a •	((TOLD)	G	T/X/T/ 4 CC C

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

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

Agro-met Advisory Bulletin

(Period: 13th to 16th 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/2018/04

Dated: Tue, 12th January 2018



Weather summery of the previous week	Weather forecast valid up to 17 th Jan'2018
Rainfall = 0.0 mm	Generally sunny weather forecasted. Daily maximum and
	minimum temperature for the following period is predicted to be 24-
	25°C and 09-10°C respectively. Expected morning and evening
	relative humidity will be 87-88% and 36-47% respectively. Wind
	direction is mainly ESE 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.
- 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
	T =-		FIELD CROPS
Mustard	Vegetative	Aphid	 When population level is high spraying of Dimethoate @ 4 ml per litre of water is advised
Pea	Vegetative	Cut-worm	 Regular monitoring of crop against attack of cutworm is advised,
			Spray neem-based insecticides against leaf eating insects
	<u> </u>		VEGETABLES
Ginger/ Turmeric	Maturity		Harvest the mature crop,
	,		• Cure should be taken while harvest so that the
Potato	Vegetative	Red Ants/	rhizome is not damaged,Weeding and application of fertilizer as per recommended
lotato	Vegetative	Late blight/ Alternaria blight	doses is suggested in potato.
		Anternaria oligin	 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
	3	Y C	management of potato late blight.
Cabbage/ Cauliflower/	Maturity/ Harvesting	Leaf eating caterpillars/	• Light irrigation is essential,
Knolkhol/ Others	Trai vesting	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.
Outers			 Spray with neem based pesticides against aphids
G!	36 /		ICULTURAL CROPS
Banana	Maturity/ harvesting All stages	Bark eating caterpillar, Gummosis Sigatoka Leaf spot	 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 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
			Honey Bees
			 Box must be covered with straw/dry leaves to provide warmth
			LIVESTOCKS
Livestock	Stage	Disease	Precautionary Practices to be followed
Damaged grClean drink	rain (not fungus c ing water should	ontaminated) 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	Avoid dampness and cover weak and sick animals
		and appearance of mucous	with sack cloth.Animals should be given lukewarm feed and water.
		membrane of the	 Right time to deworm with anti helmetic drugs (particularly
		mouth and foot.) Swine Fever	Tapeworms) viz. Fento Plus @ 1 tablet per 30 kg body weight.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
	I		- 110 rue proper beauting materials especially to new-bolli 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
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 Scien	itists (ICAR) or	State Agril Staff or	KVK staff for measures against adverse conditions or call

at 03795-226237/226247

Agro-met Advisory Bulletin

(Period: 13th to 16th 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/2018/04

Dated: Tue, 12th January 2018



Weather summery of the previous week	Weather forecast valid up to 17 th Jan'2018
Rainfall = 0.0 mm	Generally sunny weather forecasted. Daily maximum and
	minimum temperature for the following period is predicted to be 13-
	15°C and 03-04°C respectively. Expected morning and evening
	relative humidity will be 85-94% and 37-51% respectively. Wind
	direction is mainly SE & SSE with speed range of 5-9 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
Rice	Harvesting		FIELD CROPS Sun dry & properly winnow the grains for safe storage
Rice	Trai vesting		Sun-dry & properly winnow the grains for safe storage.In case of rain delay harvesting
Maize	Harvesting	Rat	Harvest mature cobs and dry properly before storing
			Use locally available traps to control rats menace
G: /FD :	36		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/	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
		Titternaria origin	Spray Indotil 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/	8	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
			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.
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	Dead wood pruning may be done after harvesting of crop
			followed by spraying of fungicide, Carbendazim @ 1gm/lit of
			water.
Kiwi	Harvesting		 Breakdown the soil collected around the tree trunk Should be harvested by snapping their stalks
Kiwi	Trai vesting		 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
			T TYPE CONTROL
			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,
Pigs	All stages	FMD (high fever	*
		and appearance of mucous	with sack cloth.
		membrane of the	 Animals should be given lukewarm feed and water. 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
			lukewarm food & water
			Heavy mortality in cloven footed animals has been reported.
L	1		, , , , , , , , , , , , , , , , , , ,

Fishery			 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 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. for KVK staff for measures against adverse conditions or call

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)

at 03795-226237/226247

Agrometeorological Field Unit ICAR, BASAR

Agro-met Advisory Bulletin

(Period: 13th to 16th January 2018)

ग्रामीण कृषि मौसम सेवा



GRAMIN KRISHI MAUSAM SEWA

(Integrated Agro-Meteorological Advisory Services)

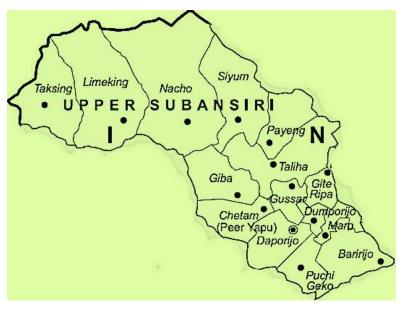


AMFU, ICAR Research Complex for NEH Region Arunachal Pradesh Centre, Basar-791101

District: Upper Subansiri

No: AMFU-Basar/2018/04

Dated: Tue, 12th January 2018



Weather summery of the previous week	Weather forecast valid up to 17 th Jan'2018
Daporijo: 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 05-07°C respectively. Expected morning and evening
	relative humidity will be 81-88% and 38-51% respectively.
	Expected wind direction is mainly SE with speed range of 4 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 mildew	Need-based foliar spray of Metalaxyl+Dithane M-45 @ 2.5g/lit at 15 days intervalfor management of White rust/Downy mildew in mustard
Rice	Harvesting		Sun-dry & properly winnow the grains for safe storage.
Pea	Sowing		 Treat pea with rhizobium@2gm/kg seed before sowing or treat with carbendazim @ 2g/kg seed before sowing Provide irrigation to plants Complete sowing by 1st fortnight of Nov. for better yield
Pototo	Vagatativa		VEGETABLES Westing and application of fartilization as not recommended.
Potato	Vegetative	Red Ants/ Late blight/ Alternaria blight	 Weeding and application of fertilizer as per recommended doses is suggested in potato. 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/ Cauliflower/ Knolkhol/	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%)
Others		F 22	@6ml/litre of water when weather is clear.
		иорт	 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. 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
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	 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 boxAdd insulation and ventilation systems
			LIVESTOCKS
Livestock	Stage	Disease	Precautionary Practices to be followed
0 0	, 0		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 mouth and foot.)	 with sack cloth. Animals should be given lukewarm feed and water. Right time to deworm with anti helmetic drugs (particularly
		Swine Fever	Tapeworms) viz. Fento Plus @ 1 tablet per 30 kg body weigh

			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
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 S	State Agril Staf	ff or KVK staff for measures against adverse conditions or call

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Agrometeorological Field Unit ICAR, BASAR

Agro-met Advisory Bulletin

(Period: 13th to 16th 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/2018/04

Dated: Tue, 12th January 2018



Weather summery of the previous week	Weather forecast valid up to 17 th Jan'2018
Rainfall = Bomdila: 0.0; Bhalukpong: 0.0	Mostly sunny with possibility of very light rainfall. Daily
mm	maximum and minimum temperature for the following period is
	predicted to be 14-16°C and 03-05°C respectively. Expected
	morning and evening relative humidity will be 80-88% and 27-57%
	respectively. Wind direction variable SE with speed range of 3-7
	kmph.
Warning:	Moderate to dense fog likely to occur at isolated places

Weather Based Agro-meteorological Advisories Bulletin

General Recommendations

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

Crop	Stage	Pest/Disease	Precautionary Practices to be followed
D:	TT .		FIELD CROPS
Rice	Harvesting		• Sun-dry & properly winnow the grains for safe storage.
Maize	Harvesting	Rat	 In case of rain delay harvesting Harvest mature cobs and dry properly before storing
Iviaize	Tiui vesting	Rut	 Use locally available traps to control rats menace
Pea	Vegetative		Provide irrigation to plants
			Weeding advocated
			VEGETABLES
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
		ruternaria 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/	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.
		ПО Т	 Spray with neem based pesticides against aphids ICULTURAL CROPS
Temperate fruits	After harvesting	HORI	Training & pruning of the temperate crops (apple/pears/peach)
			is recommended
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	• Harvest the mature fruit with stalk and store in dry places.
	nai vesting	Gummosis	 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.
D' 1	g :		Breakdown the soil collected around the tree trunk
Pineapple	Sowing		 Clean the vicinity of plants by weeding and loosen up the soil. Remove sly and use it as a new planting material.
			 Sucker dipping treatment with Bavistin @ 3g + Chlorpyriphos
			20EC@ 2ml/lt of water to protect against soil borne disease
			and insect.
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
			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
			 Add insulation and ventilation systems
			LIVESTOCKS
Livestock	Stage	Disease	Precautionary Practices to be followed
2 2	1 2		General
	_		e diverted for Poultry/livestock feeding
	ing water should	be ensured round	the clock and water troughs/feeders should be regularly cleaned,
Fishery	A 11 eta coco	EMD (bigh farm	Keep fish stoking density thin @1200/ha A void downward and accordingly and gick onimals.
Pigs	All stages	FMD (high fever and appearance	 Avoid dampness and cover weak and sick animals 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.) Swine Fever	Tapeworms) viz. Fento Plus @ 1 tablet per 30 kg body weight.
		Swille rever	 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			

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Agro-met Advisory Bulletin

(Period: 13th to 16th January 2018)



ग्रामीण कृषि मौसम सेवा



GRAMIN KRISHI MAUSAM SEWA

(Integrated Agro-Meteorological Advisory Services)

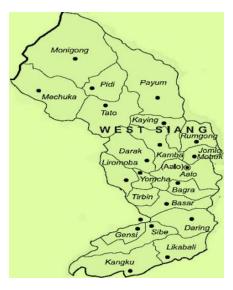


AMFU, ICAR Research Complex for NEH Region Arunachal Pradesh Centre, Basar-791101

District: West Siang

No: AMFU-Basar/2018/04

Dated: Tue, 12th 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 17 th Jan'2018
Basar: Rainfall = 0.0 mm. T. Max: 21.1°C,	Generally clear/dry weather forecasted. Daily maximum and
T. Min: 4.5°C, RH: 54-99%, Wind Speed: 4-	minimum temperature for the following period is predicted to be 21-
5 kmph, Wind Direction: WNW	22°C and 07-09°C respectively. Expected morning and evening
	relative humidity will be 85-87% and 21-35% respectively. Wind
	direction is mainly ESE 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
- 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
3.6	¥7 · · ·	,		CROPS
Mustard	Vegetative	Aphid	•	When population level is high spraying of Dimethoate @ 4 ml per litre of water is advised
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
	, egetani re	insects	•	Mulching with locally available materials like straw/dray grass
				to retain soil moisture
			•	Spray neem-based pesticides against leaf eating insects
			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/ Late blight/	•	Weeding and application of fertilizer as per recommended
		Alternaria blight	•	doses is suggested in potato. 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, Edion approx of Dithono M 45@2 5 c/litro of vyster for
			•	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/	•	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.
		<u> иорт</u>	TCTIT	Spray with neem based pesticides against aphids CURAL CROPS
Citrus	Maturity/	Bark eating	ICUL I	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.
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	ey Bees
Honey bees			•	Cover the boxes with locally available dry grass or straw to
			-	provide warmt
*	G.	D.	LIVES	STOCKS
Livestock	Stage	Disease	~	Precautionary Practices to be followed
0 0	` 0	,	e divert	eneral sed for Poultry/livestock feeding
		be ensured round	the clo	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	 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
Mithun Contact Scien	tists (ICAD) or	FMD State Agril Stoff	 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. or KVK staff for measures against adverse conditions or call

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