Agro-met Advisory Bulletin

(Period: 6th to 9th January 2018)

ग्रामीण कृषि मौसम सेवा







(Integrated Agro-Meteorological Advisory Services)

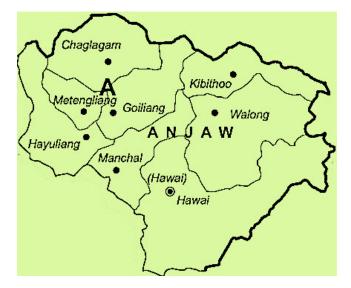


AMFU, ICAR Research Complex for NEH Region Arunachal Pradesh Centre, Basar-791101

District: Anjaw

No: AMFU-Basar/2018/02

Dated: Fri, 5th January 2018



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

Weather summery of the previous week	Weather forecast valid up to 10 th Jan'2018
No weather summary available	Generally clear/dry weather forecasted. Daily maximum and minimum temperature for the following period is predicted to be 17-18°C and 08-09°C respectively. Expected morning and evening relative humidity will be 53-71% and 22-30% respectively. Wind direction is mainly NE and a 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
- Obtain seeds from reputed/certified/reliable source
- Use fertilizers/pesticides as per recommended doses for the location
- Preference must be given on use of organic manures/bio-fertilizers & bio-pesticides
- Warning: Spraying of DDT in crops is lethal

Сгор	Stage	Pest/Disease	Precautionary Practices to be followed
Mustard	Vegetative	White rust/ Downey mildew	 FIELD CROPS 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
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, Foliar spray of Dithane M-45@2.5g/litre of water for management of potato late blight.
		Г	TICULTURAL 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.
Citrus	Maturity/ harvesting	Fruit Drop Fruit Fly Gummosis	 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. Install fruit-fly traps Dead wood pruning may be done after harvesting of crop followed by spraying of fungicide, Carbendazim @ 1gm/lit of water. Breakdown the soil collected around the tree trunk
Temperate fruits	After harvesting		• Training & pruning of the temperate crops (apple/pears/peach) is recommended
			LIVESTOCKS
Livestock	Stage	Disease	Precautionary Practices to be followed
Poultry	All stages		 Day old chick-Maintain warmth by lighting, In present weather conditions protect the birds from cold by using gunny bags/plastic sheets around the poultryshed during night, Provide heat by lighting 100W bulb @ 1 bulb per 20 newly born chicks.
Fishery			Keep fish stoking density thin @1200/ha
Pigs	All stages	FMD (high fever and appearance of mucous membrane of the mouth and foot.) Swine Fever	 Avoid dampness and cover weak and sick animals with sack cloth. Animals should be given lukewarm feed and water. Right time to deworm with anti helmetic drugs (particularly Tapeworms) viz. Fento Plus @ 1 tablet per 30 kg body weight. Provide proper bedding materials especially to new-born piglets and lukewarm food & water
Cattle	All stages	FMD	 Animals should be given lukewarm feed and water. Right time to deworm with anti helmetic drugs (particularly Tapeworms) viz. Fento Plus @ 1 tablet per 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.

Mithun	FMD	 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 Polyvalent FMD vaccine with serotype 0, A and Asia at 6 months of age and repeat after that 6 months interval by sub-cutaneous route. Pregnant animals above 7 months of 	
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: 6th to 9th January 2018)

ग्रामीण कृषि मौसम सेवा

GRAMIN KRISHI MAUSAM SEWA



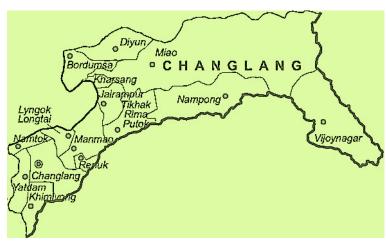


AMFU, ICAR Research Complex for NEH Region Arunachal Pradesh Centre, Basar-791101

District: Changlang

No: AMFU-Basar/2018/02

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



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

Weather summery of the previous week	Weather forecast valid up to 10 th Jan'2018
Rainfall = Changlang: 0.0 mm Miao: 8.2	Generally clear/dry weather forecasted. Daily maximum and
mm	minimum temperature for the following period is predicted to be 23-
	25°C and 12-13°C respectively. Expected morning and evening
	relative humidity will be 47-70% and 16-18% 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

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

Сгор	Stage	Pest/Disease	Precautionary Practices to be followed
			FIELD CROPS
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. In case of rain delay harvesting
Pea	Vegetative	Cut-worm	 Regular monitoring of crop against attack of cutworm is advised, Spray neem-based insecticides against leaf eating insects
Black Gram & Green Gram	Vegetative	Powdery mildew	 Need based foliar spray of Sulfex@2g/lit water to control powdery mildew in black/green gram/pea
		ا ·	VEGETABLES
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
Cabbage/ Cauliflower/ Knolkhol/ Others	Maturity/ Harvesting	Leaf eating caterpillars/ Aphids	 management of potato late blight. 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.
		HORT	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.
Citrus	Maturity/ harvesting	Fruit Drop Fruit Fly Gummosis	 Harvest the mature fruit with stalk and store in dry places. Collect & dispose rotten fallen fruits/ install fruit-fly traps Dead wood pruning may be done after harvesting of crop followed by spraying of fungicide, Carbendazim @ 1gm/lit of water. Breakdown the soil collected around the tree trunk
Large Cardamom	Fruiting	Chirkey Disease	 Remove dry/diseased/old tillers & branches & spray Bio NPK@ 2ml/lit water for proper growth.
			Honey Bees
Honey bees			 Box must be covered with straw/dry leaves to provide warmth Provide sugar syrup
			LIVESTOCKS
Livestock	Stage	Disease	Precautionary Practices to be followed
0 0	ain (not fungus c		General e diverted for Poultry/livestock feeding the clock and water troughs/feeders should be regularly cleaned,
Goat	All stages		Deworming for gastrointestinal parasite
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

Poultry	All stages	 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.
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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(Integrated Agro-Meteorological Advisory Services)

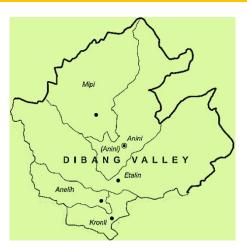


AMFU, ICAR Research Complex for NEH Region Arunachal Pradesh Centre, Basar-791101

District: Dibang Valley

No: AMFU-Basar/2018/02

Dated: Fri, 5th January 2018



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

Weather summery of the previous week	Weather forecast valid up to 10 th Jan'2018
Rainfall = 4.0 mm (Anini)	Mostly sunny to partly cloudy with possibility of light rain. Daily maximum and minimum temperature for the following period is predicted to be 17-18°C and 08-09°C respectively. Expected morning and evening relative humidity will be 50-70% and 19-40% respectively. Wind direction is mainly NE with speed range of 7-9 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

Сгор	Stage	Pest/Disease	Precautionary Practices to be followed
			FIELD CROPS
Rice	Harvesting		• Sun-dry & properly winnow the grains for safe storage.
<u></u>			In case of rain delay harvesting
Black Gram &	Vegetative		• Need based foliar spray of Sulfex@2g/lit water to contro
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
		I	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 <u>M-45@2.5g/litre</u> of water for
Cabbaga/	Maturity/	Loofooting	management of potato late blight.
Cabbage/ Cauliflower/	Maturity/ Harvesting	Leaf eating caterpillars/	Light irrigation is essential,In present weather conditions severe attack of leaf eating
Knolkhol/	11al vesting	Aphids	• In present weather conditions severe attack of leaf eating caterpillars has been reported. Spray Azadirachtin(0.015%
Others		ripindis	@6ml/litre of water when weather is clear.
			 Spray with neem based pesticides against aphids
		HOR	FICULTURAL CROPS
Banana	Bunching	Cold	• Cover newly emerged bunches with locally available sack to
	6		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.
Large Cardamom	Fruiting	Chirkey Disease	Breakdown the soil collected around the tree trunk Demove dry(diagonal (ald fillows & byggabas) & graphics
Large Cardamoni	Futting	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
Toney bees			• Cover the boxes with locally available dry grass of straw to provide warmth
			LIVESTOCKS
Livestock	Stage	Disease	Precautionary Practices to be followed
	Stuge	Discuse	General
• Damaged gr	ain (not fungus co	ntaminated) to h	e diverted for Poultry/livestock feeding
0 0			the clock and water troughs/feeders should be regularly cleaned,
Pigs	All stages	FMD (high fever	
6	C	and appearance	with sack cloth.
		of mucous	• Animals should be given lukewarm feed and water.
		membrane of the	 Right time to deworm with anti helmetic drugs (particularly
		mouth and foot.)	Tapeworms) viz. Fento Plus @ 1 tablet per 30 kg body weight
		Swine Fever	 Provide proper bedding materials especially to new-born
			piglets and lukewarm food & water
	All stages	FMD	Animals should be given lukewarm feed and water.
Cattle	All stages		Right time to deworm with anti helmetic drugs
Cattle	All stages		
Cattle	All stages		(particularly Tapeworms) viz. Fento Plus @ 1 tablet per 30
Cattle	All stages		(particularly Tapeworms) viz. Fento Plus @ 1 tablet per 30 kg body weight.
Cattle	All stages		 (particularly Tapeworms) viz. Fento Plus @ 1 tablet per 30 kg body weight. Provide proper bedding materials especially to new-born and
Cattle	All stages		 (particularly Tapeworms) viz. Fento Plus @ 1 tablet per 30 kg body weight. Provide proper bedding materials especially to new-born and lukewarm food & water
Cattle	All stages		 (particularly Tapeworms) viz. Fento Plus @ 1 tablet per 30 kg body weight. Provide proper bedding materials especially to new-born and

			 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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(Period: 6th to 9th January 2018)



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(Integrated Agro-Meteorological Advisory Services)



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

District: East Kameng

No: AMFU-Basar/2018/02

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



Weather summery of the previous week	Weather forecast valid up to 10 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
	23°C and 10-12°C respectively. Expected morning and evening
	relative humidity will be 67-82% and 28-33% respectively.
	Expected wind direction is mainly SE & SSE with speed range of 5-
	6 kmph.
Warning:	Moderate to dense fog likely to occur at isolated places

Weather Based Agro-meteorological Advisories Bulletin

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

Сгор	Stage	Pest/Disease	Precautionary Practices to be followed
			FIELD CROPS
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.In case of rain delay harvesting
Pea	Sowing		 Treat pea with rhizobium@2gm/kg seed before sowing or treat with carbendazim @ 2g/kg seed before sowing Provide irrigation to plants
Soybean	Harvesting		 Complete sowing by 1st fortnight of Nov. for better yield Immediately harvest soybean & thoroughly dry in sun.
Soybean	Harvesting		
Potato	Vegetative	Red Ants/	VEGETABLES Wooding and application of fartilizer as non-maximum dad
rotato	vegetative	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/ Others	Maturity	Leaf eating caterpillars/ Aphids	 Light irrigation is essential, In present weather conditions severe attack of leaf eating caterpillars has been reported. Spray Azadirachtin(0.015%) @6ml/litre of water when weather is clear.
		UODI	Spray with neem based pesticides against aphids ICULTURAL CROPS
Banana	Bunching	Cold	Cover newly emerged bunches with locally available sack to
Dununu	Duiteining	Cold	 Cover newry energed bunches with locarly available sack to protect from cold/frost Mulching with straw/crop residue at root zone to avoid frost injury in banana.
Citrus	Maturity/ harvesting	Fruit Drop Fruit Fly Gummosis	 Harvest the mature fruit with stalk and store in dry places. Collect & dispose rotten fallen fruits/ install fruit-fly traps Dead wood pruning may be done after harvesting of crop followed by spraying of fungicide, Carbendazim @ 1gm/lit of water. Breakdown the soil collected around the tree trunk
Large Cardamom	Flowering stage	Chirkey Disease (fungal inection) & Chirke and Foorkey (virus	 Mulching with locally available materials like dry grass/paddy straw recommended Remove diseased part & keep inflorescence clean. Uproot & burn virus infected plants
Pineapple	Active vegetative	infection)	• Mulching with locally available materials like dry grass/paddy straw recommended
Ginger/Turmeric	Seedling		 Remove excess suckers to increase fruit size and improve quality. Mulching with locally available materials like dry grass/paddy straw recommended
			 Proper drainage to be done and avoid water stagnation Earthing up of ginger/turmeric along with basal application of required fertilizer should be done Agroforestry
Toko palm	Nursery		Filling of nursery polybags for raising of takopalm seedlings
	ruisery		i ming of nursery porybags for raising of takopathi secullings
			LIVESTOCKS
Livestock	Stage	Disease	Precautionary Practices to be followed
			General e diverted for Poultry/livestock feeding the clock and water troughs/feeders should be regularly cleaned,
Pigs	All stages	FMD (high fever and appearance of mucous	 Avoid dampness and cover weak and sick animals with sack cloth.

Cattle		membrane of the mouth and foot.) Swine Fever FMD	 Animals should be given lukewarm feed and water. Right time to deworm with anti helmetic drugs (particularly Tapeworms) viz. Fento Plus @ 1 tablet per 30 kg body 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 or 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 Stat Veterinary Dept.) Provide feed supplements
Poultry	All stages		 Day old chick-Maintain warmth by lighting, In present weather conditions protect the birds from col by using gunny bags/plastic sheets around the poultryshe during night, Provide heat by lighting 100W bulb @ 1 bulb per 20 newl born chicks.
Fishery			 Application of quick lime is highly recommended in order to rectify water pH. Application of fish feed (mustard oil cake) is essential for achieving higher yield
Mithun		FMD	 Polyvalent FMD vaccine with serotype O, A and Asia at 6 month of age and repeat after that 6 months interval by sub-cutaneou route. Pregnant animals above 7 months of pregnancy should be avoided
Contact Scientis	sts (ICAR) or State	e Agril Staff or K	VK staff for measures against adverse conditions or call at 03795 226237/226247

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(Period: 6th to 9th 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 Siang

No: AMFU-Basar/2018/02

Dated: Fri, 5th January 2018



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

Weather summery of the previous week	Weather forecast valid up to 10 th Jan'2018
Rainfall: 2.5 mm; T. Max: 26.0°C; T. Min:	Mostly sunny with no possibility of rain. Daily maximum and
09.0°C ; RH: 65-72%	minimum temperature for the following period is predicted to be 23-
	24°C and 09-10°C respectively. Expected morning and evening
	relative humidity will be 61-86% and 20-23% respectively.
	Expected wind direction is mainly SE with speed range of 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
Rice	Homesting		FIELD CROPS
KICE	Harvesting		Sun-dry & properly winnow the grains for safe storage.In case of rain delay harvesting
Mustard	Vegetative	White rust/	 Need-based foliar spray of Metalaxyl+Dithane M-45 @
Wiustai u	v egetative	Downey	2.5g/lit at 15 days intervalfor management of White
		mildew	rust/Downy mildew in mustard
Pea	Vegetative	Leaf eating	Provide irrigation to plants
	Ū.	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	
Maize	That vesting	Kat	Harvest mature cobs and dry properly before storingUse locally available traps to control rats menace
			VEGETABLES
Potato	Vegetative	Red Ants/	• Weeding and application of fertilizer as per recommended
	C C	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 <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
Ginger/turmeric	Vegetative stage	Rhizome rot	Under excessive moisture, there is every possibility of
			rhizome rot in ginger and turmeric.
			<u>To manage the disease, provide adequate drainage and</u>
			apply Trichoderma harzianum @ 50 g/bed along with
			FYM/ neem cake.
			• Mulching should be done with locally available mulch,
		HODT	• Earthing up of exposed rhizome,
Citrus	Maturitar		ICULTURAL CROPS
Citrus	Maturity/ harvesting	Fruit Drop Fruit Fly	• Harvest the mature fruit with stalk and store in dry places.
	narvesting	Gummosis	 Collect & dispose rotten fallen fruits/ install fruit-fly traps Deed wood graving mey be done after homesting of even
		Guillinosis	• Dead wood pruning may be done after harvesting of crop followed by spraying of fungicide, Carbendazim @ 1gm/lit of
			water.
			 Breakdown the soil collected around the tree trunk
Banana	All stages	Sigatoka Leaf	 One sword sucker may be allowed after shooting (Flowering),
Dununu	r in stages	spot	 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
			wate
Kiwi	Harvesting		• Should be harvested by snapping their stalks
	8		• Fruit should be stored boxes containing cushioning materials
			and transported to the market in hard condition.
			Honey Bees
Honey bees			• Cover the boxes with locally available dry grass or straw to
			provide warmth
			LIVESTOCKS
Livestock	Stage	Disease	Precautionary Practices to be followed
			General
			e diverted for Poultry/livestock feeding
Clean drink	ing water should l	<u>be ensured roun</u> d	the clock and water troughs/feeders should be regularly cleaned,
Pigs	All stages	FMD (high fever	Avoid dampness and cover weak and sick animals
		and appearance	with sack cloth.
		of mucous	• Animals should be given lukewarm feed and water.
		membrane of the mouth and foot.)	• Right time to deworm with anti helmetic drugs (particularly

		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 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	ntists (ICAR) or S		or KVK staff for measures against adverse conditions or call 795-226237/226247

Agro-met Advisory Bulletin

(Period: 6th to 9th January 2018)



ग्रामीण कृषि मौसम सेवा

GRAMIN KRISHI MAUSAM SEWA





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

District: Kurung Kumey

No: AMFU-Basar/2018/02

Dated: Fri, 5th January 2018



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

Weather summery of the previous week	Weather forecast valid up to 10 th Jan'2018
Past weather summary not available	Generally clear/dry weather forecasted Daily maximum and minimum temperature for the following period is predicted to be 17-18°C and 08-09°C respectively. Expected morning and evening relative humidity will be 50-80% and 28-49% respectively. Wind direction is mainly SW & WSW with wind speed range of 6-9
	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
			FIELD CROPS
Rice	Harvesting		• Sun-dry & properly winnow the grains for safe storage.
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
		Late blight/ 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, 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/ Others	Harvesting	caterpillars/ Aphids	• In present weather conditions severe attack of leaf eating caterpillars has been reported. Spray Azadirachtin(0.015%) @6ml/litre of water when weather is clear.
			 Spray with neem based pesticides against aphids
D	D 1'		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.
Peach	Post-harvesting		• Training & pruning of diseased/criss-cross branches to harvest more solar energy & for proper growth.
Citrus	Maturity/ harvesting	Fruit Drop Fruit Fly Gummosis	 Harvest the mature fruit with stalk and store in dry places. Collect & dispose rotten fallen fruits/ install fruit-fly traps Dead wood pruning may be done after harvesting of crop
			followed by spraying of fungicide, Carbendazim @ 1gm/lit of water.
Kiwi	Harvesting		 Breakdown the soil collected around the tree trunk Should be harvested by snapping their stalks
KIWI	That vesting		 Fruit should be stored boxes containing cushioning materials and transported to the market in hard condition.
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.
Large Cardamom	Fruiting	Chirkey Disease	Remove dry/diseased/old tillers & branches & spray Dia NDV @ 2ml/literration for moments
			Bio NPK@ 2ml/lit water for proper growth. Honey Bees
ſ			Box must be covered with straw/dry leaves to provide
			Box must be covered with straw/dry leaves to provide warmth
			LIVESTOCKS
			General
0 0			e 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 and appearance of mucous	with sack cloth.
		of mucous membrane of the	• Animals should be given lukewarm feed and water.
		mouth and foot.) Swine Fever	Tapeworms) viz. Fento Plus @ 1 tablet per 30 kg body weight.
1		1	• Provide proper bedding materials especially to new-born
			piglets and lukewarm food & water

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

Agro-met Advisory Bulletin

(Period: 6th to 9th January 2018)



ग्रामीण कृषि मौसम सेवा



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

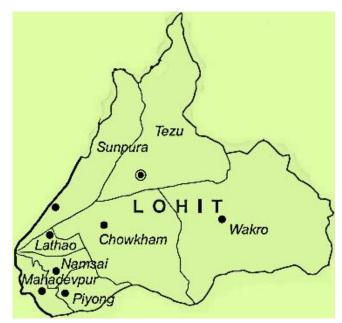


AMFU, ICAR Research Complex for NEH Region Arunachal Pradesh Centre, Basar-791101

District: Lohit

No: AMFU-Basar/2018/02

Dated: Fri, 5th January 2018



Weather summery of the previous week	Weather forecast valid up to 10 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 10-11°C respectively. Expected morning and evening
	relative humidity will be 47-59% and 18-22% respectively. Wind
	direction is mainly ENE with speed range of 5-6 kmph.
Warning:	Moderate to dense fog likely to occur at isolated places

Weather Based Agro-meteorological Advisories Bulletin

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

Crop	Stage	Pest/Disease	Precautionary Practices to be followed
Mustard	Vegetative	White rust/	FIELD CROPS
wiustaru	Vegetative	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. In case of rain delay harvesting
Pea	Vegetative	Leaf eating	Provide irrigation to plants
	C	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
D + +	XX (VEGETABLES
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
		i notinana englio	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/		Aphids	caterpillars has been reported. Spray Azadirachtin(0.015%)
Others			@6ml/litre of water when weather is clear.
		НОРТ	Spray with neem based pesticides against aphids ICULTURAL CROPS
Citrus	Maturity/	Fruit Drop	Harvest the mature fruit with stalk and store in dry places.
Childs	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
Large Cardamom	Fruiting	Chirkey Disease	 Remove dry/diseased/old tillers & branches & spray
C		2	Bio NPK@ 2ml/lit water for proper growth.
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
			Foliar spray of Propiconazole (e.g., Tilt) @ 1 ml per litre of
			wate
Kiwi	Harvesting		• Should be harvested by snapping their stalks
			• Fruit should be stored boxes containing cushioning materials
			and transported to the market in hard condition. Honey Bees
Honey bees			Cover the boxes with locally available dry grass or straw to
			provide warmth
			LIVESTOCKS
Livestock	Stage	Disease	Precautionary Practices to be followed
_			General
0 0			e diverted for Poultry/livestock feeding the clock and water transfe/feeders should be regularly clooped
Clean drink Pigs	All stages	FMD (high fever	 the clock and water troughs/feeders should be regularly cleaned, Avoid dampness and cover weak and sick animals
- 180	i ili biugob	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.) Swine Fever	Tapeworms) viz. Fento Plus @ 1 tablet per 30 kg body weight.
		Swine Fevel	 Provide proper bedding materials especially to new-born
			niglate and hiltorroum food 9
Cattle	All stages	FMD	 piglets and lukewarm food & water Animals should be given lukewarm feed and water
Cattle	All stages	FMD	 piglets and lukewarm food & water Animals should be given lukewarm feed and water. Right time to deworm with anti helmetic drugs

Poultry	All stages		 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 sub-cutaneous route. Pregnant animals above 7 months of pregnancy should be avoided.

Agro-met Advisory Bulletin

(Period: 6th to 9th January 2018)



ग्रामीण कृषि मौसम सेवा



(Integrated Agro-Meteorological Advisory Services)



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

District: Lower Dibang Valley

No: AMFU-Basar/2018/02

Dated: Fri, 5th January 2018



Weather summery of the previous week	Weather forecast valid up to 10 th Jan'2018
Rainfall = 0.0 mm (Roing)	Generally clear/dry weather forecasted. Daily maximum and
	minimum temperature for the following period is predicted to be 22-
	23°C and 10-11°C respectively. Expected morning and evening
	relative humidity will be 49-66% and 19-25% respectively. Wind
	direction is mainly S & SSE with speed range of 6 kmph.
Warning:	• Moderate to dense fog likely to occur at isolated places

Weather Based Agro-meteorological Advisories Bulletin

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

Сгор	Stage	Pest/Disease	Precautionary Practices to be followed
D :	** .*	1	FIELD CROPS
Rice	Harvesting		Sun-dry & properly winnow the grains for safe storage.
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	Leaf-eating	Provide irrigation to plants
		insects	• Spray neem-based insecticides against leaf eating insects
			VEGETABLES
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/ 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
		HORT	ICULTURAL CROPS
Large Cardamom	Fruiting	Chirkey Disease	• Remove dry/diseased/old tillers & branches & spray Bio NPK@ 2ml/lit water for proper growth.
Citrus Banana	Maturity/ harvesting Multiple stages	Fruit Drop Fruit Fly Gummosis Sigatoka Leaf spot	 Harvest the mature fruit with stalk and store in dry places. Collect & dispose rotten fallen fruits/ install fruit-fly traps Dead wood pruning may be done after harvesting of crop followed by spraying of fungicide, Carbendazim @ 1gm/lit of water. Breakdown the soil collected around the tree trunk 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
Honey bees			 Box must be covered with straw/dry leaves to provide warmth LIVESTOCKS
Lizzanto els	Stage	Diagona	
Clean drink	ing water should	be ensured round	Precautionary Practices to be followed General be 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	 with sack cloth. Animals should be given lukewarm feed and water. Right time to deworm with anti helmetic drugs (particularly
Cattle	All stages	FMD	 Animals should be given lukewarm feed and water. Right time to deworm with anti helmetic drugs (particularly Tapeworms) viz. Fento Plus @ 1 tablet per 30 kg body weight. Provide proper bedding materials especially to new-born and lukewarm food & 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 Scier	Contact Scientists (ICAR) or State Agril Staff or KVK staff for measures against adverse conditions or call at 03795-226237/226247			

Agro-met Advisory Bulletin

(Period: 6th to 9th January 2018)



ग्रामीण कृषि मौसम सेवा



(Integrated Agro-Meteorological Advisory Services)



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

District: Lower Subansiri

No: AMFU-Basar/2018/02

Dated: Fri, 5th January 2018



Weather summery of the previous week	Weather forecast valid up to 10 th Jan'2018
Rainfall = NA	Generally clear/dry weather forecasted. Daily maximum and
	minimum temperature for the following period is predicted to be
	23°C and 10-11°C respectively. Expected morning and evening
	relative humidity will be 64-81% and 29-40% respectively. Wind
	direction is mainly SE & SSE with speed range of 6 kmph.
Warning:	Moderate to dense fog likely to occur at isolated places

Weather Based Agro-meteorological Advisories Bulletin

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

Сгор	Stage	Pest/Disease	Precautionary Practices to be followed	
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 1 st fortnight of Nov. for better yield	
Soybean	Harvesting		• Immediately harvest soybean & thoroughly dry in sun.	
Rice	Maturity/ Harvesting	Gundhi bug/ leaf folder/ rice skipper	 harvest the mature crop proper sun-drying before storag 	
Maize	Harvesting	Rat	 Harvest mature cobs and dry properly before storing Use locally available traps to control rats menace 	
			VEGETABLES	
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 	
Cabbage/ Cauliflower/ Knolkhol/ Others	Maturity/ Harvesting	Leaf eating caterpillars/ Aphids	 management of potato late blight. 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 	
		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 	
Temperate fruits	After harvesting		 frost injury in banana. Training & pruning of the temperate crops (apple/pears/peach) is recommended 	
Citrus	Maturity/ harvesting	Fruit Drop Fruit Fly Gummosis	 Harvest the mature fruit with stalk and store in dry places. Collect & dispose rotten fallen fruits/ install fruit-fly traps Dead wood pruning may be done after harvesting of crop followed by spraying of fungicide, Carbendazim @ 1gm/lit of water. Breakdown the soil collected around the tree trunk 	
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. 	
	N		Agroforestry	
Toko palm	Nursery		Filling of nursery polybags for raising of takopalm seedlings	
			Honey Bees	
Honey bees			 Box must be covered with straw/dry leaves to provide warmth 	
			LIVESTOCKS	
Livestock Damaged gr	Stage	Disease	Precautionary Practices to be followed General e diverted for Poultry/livestock feeding	
	-	be ensured round	the clock and water troughs/feeders should be regularly cleaned,	
Pigs	All stages	FMD (high fever and appearance of mucous membrane of the mouth and foot.) Swine Fever	 Avoid dampness and cover weak and sick animals with sack cloth. Animals should be given lukewarm feed and water. Right time to deworm with anti helmetic drugs (particularly Tapeworms) viz. Fento Plus @ 1 tablet per 30 kg body weight. Provide proper bedding materials especially to new-born piglets and lukewarm food & water 	

Cattle	All stages	FMD	 Animals should be given lukewarm feed and water. Right time to deworm with anti helmetic drugs (particularly Tapeworms) viz. Fento Plus @ 1 tablet per 30 kg body weight. Provide proper bedding materials especially to new-born and lukewarm food & water Heavy mortality in cloven footed animals has been reported. Supportive treatment of infected animals under supervision of veterinary department officials, Avoid mixing of infected and healthy animals, Keep infected animals separated from the healthy ones, Vaccinate the healthy animals against FMD (Through State Veterinary Dept.) Provide feed supplements
Poultry	All stages		 Day old chick-Maintain warmth by lighting, In present weather conditions protect the birds from cold by using gunny bags/plastic sheets around the poultryshed during night, Provide heat by lighting 100W bulb @ 1 bulb per 20 newly born chicks.
Mithun		FMD	 Polyvalent FMD vaccine with serotype O, A and Asia at 6 months of age and repeat after that 6 months interval by sub-cutaneous route. Pregnant animals above 7 months of pregnancy should be avoided.
Contact Scien	ntists (ICAR) or a	U	ff or KVK staff for measures against adverse conditions or call 03795-226237/226247

Agro-met Advisory Bulletin

(Period: 6th to 9th January 2018)



ग्रामीण कृषि मौसम सेवा



(Integrated Agro-Meteorological Advisory Services)



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

District: Papum Pare

No: AMFU-Basar/2018/02

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



Weather summery of the previous week	Weather forecast valid up to 10 th Jan'2018
Rainfall: 0.5 mm; T. Max: 27.0°C; T. Min: 12.0°C; RH: 57-82%	Generally clear/dry weather forecasted. Daily maximum and minimum temperature for the following period is predicted to be 25-26C and 13-15°C respectively. Expected morning and evening relative humidity will be 63-85% and 25-39% respectively. Expected wind direction mainly WNW with speed range of 4-6
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

Сгор	Stage	Pest/Disease	Precautionary Practices to be followed
			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
Rice	Harvesting		• Sun-dry & properly winnow the grains for safe storage.
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
Maize	Harvesting	Rat	 Spray neem-based insecticides against leaf eating insects Harvest mature cobs and dry properly before storing
			Use locally available traps to control rats menace
Potato	Vegetative	Red Ants/ Late blight/	 VEGETABLES 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/ 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
		HORT	ICULTURAL CROPS
Large Cardamom	Fruiting	Chirkey Disease	• Remove dry/diseased/old tillers & branches & spray Bio NPK@ 2ml/lit water for proper growth.
Citrus	Maturity/ harvesting	Fruit Drop Fruit Fly Gummosis	 Harvest the mature fruit with stalk and store in dry places. Collect & dispose rotten fallen fruits/ install fruit-fly traps Dead wood pruning may be done after harvesting of crop followed by spraying of fungicide, Carbendazim @ 1gm/lit of water. Breakdown the soil collected around the tree trunk
Banana	Multiple stages	Sigatoka Leaf spot	 One sword sucker may be allowed after shooting (Flowering), Periodical removal of side suckers by cutting them above the ground level, scoop the core and pour 2 ml of kerosene in the core, Foliar spray of Propiconazole (e.g., Tilt) @ 1 ml per litre of wate
		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
0 0			General e diverted for Poultry/livestock feeding the clock and water troughs/feeders should be regularly cleaned, • Deworming for gastrointestinal parasite
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
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 Scientists (ICAR) or State Agril Staff or KVK staff for measures against adverse conditions or call at 03795-226237/226247			

Agro-met Advisory Bulletin

(Period: 6th to 9th January 2018)



ग्रामीण कृषि मौसम सेवा







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

District: Tawang

No: AMFU-Basar/2018/02

Dated: Fri, 5th January 2018



Weather summery of the previous week	Weather forecast valid up to 10 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 09-
	10°C and -2-(-3)°C respectively. Expected morning and evening
	relative humidity will be 33-62% and 03-63% respectively. Wind
	direction is mainly SE & WSW with probable speed range of 6-9
	kmph.
Warning:	Moderate to dense fog likely to occur at isolated places

Weather Based Agro-meteorological Advisories Bulletin

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

Сгор	Stage	Pest/Disease	Precautionary Practices to be followed
Crop	Stuge		FIELD CROPS
Rice	Harvesting		• Sun-dry & properly winnow the grains for safe storage.
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/ Alternaria blight	 doses is suggested in potato. Spray Indofil m-45 at regular interval of 7 days in
		7 merilaria 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 <u>M-45@2.5g/litre</u> of water for management of potate late blight
Cabbage/	Maturity	Leaf eating	management of potato late blight.Light irrigation is essential,
Cauliflower/	Whattarity	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
D	D 11		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
Kiwi	Harvesting		• Should be harvested by snapping their stalks
			• Fruit should be stored boxes containing cushioning materials and transported to the market in hard condition.
Orchards			Prepare half moon terraces in fruit crops
			(orange/banana/apple/peach) grown in steep slopes to prevent
			nutrient loss during heavy downpour.
			• Follow proper drainage and earthing up practices in low land/plain areas to avoid water stagnation in fruit orchards
			Honey Bees
Honey bees			Provide sugar syrup near the box
5			• Cover the boxes with locally available dry grass to provide
			warmth.
	1		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
U		and appearance	with sack cloth.
		of mucous	• Animals should be given lukewarm feed and water.
		membrane of the mouth and foot.)	• Right time to deworm with anti helmetic drugs (particularly
		Swine Fever	Tapeworms) viz. Fento Plus @ 1 tablet per 30 kg body weight.
			 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.
	6		 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

mth by lighting,			
ns protect the birds from cold by eets around the poultryshed during			
00W bulb @ 1 bulb per 20 newly			
Contact Scientists (ICAR) or State Agril Staff or KVK staff for measures against adverse conditions or call at 03795-226237/226247			

Agro-met Advisory Bulletin

(Period: 6th to 9th January 2018)



ग्रामीण कृषि मौसम सेवा



(Integrated Agro-Meteorological Advisory Services)

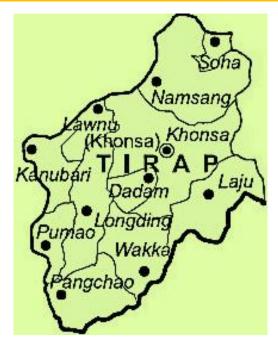


AMFU, ICAR Research Complex for NEH Region Arunachal Pradesh Centre, Basar-791101

District: Tirap

No: AMFU-Basar/2018/02

Dated: Fri, 5th January 2018



Weather summery of the previous week	Weather forecast valid up to 10 th Jan'2018
Rainfall = 8.0 mm	Mostly sunny with no possibility of rain. Daily maximum and
	minimum temperature for the following period is predicted to be 23-
	25°C and 13-14°C respectively. Expected morning and evening
	relative humidity will be 85-100% and 27-39% respectively. Wind
	direction is mainly ESE with speed range of 2-6 kmph.
Warning:	Moderate to dense fog likely to occur at isolated places

Weather Based Agro-meteorological Advisories Bulletin

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

Сгор	Stage	Pest/Disease	Precautionary Practices to be followed
			FIELD CROPS
Rice	Harvesting		 Sun-dry & properly winnow the grains for safe storage. In case of rain delay harvesting
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,
			Spray neem-based insecticides against leaf eating insects
_	-	· · ·	VEGETABLES
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,
Cabbage/ Cauliflower/	Maturity/ Harvesting	Leaf eating caterpillars/	 Foliar spray of Dithane <u>M-45@2.5g/litre</u> of water for management of potato late blight. Light irrigation is essential, 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.
		HODT	• Spray with neem based pesticides against aphids
Citrus	Maturity/	Fruit Drop	ICULTURAL CROPS
	harvesting	Fruit Fly Gummosis	 Harvest the mature fruit with stalk and store in dry places. Collect & dispose rotten fallen fruits/ install fruit-fly traps Dead wood pruning may be done after harvesting of crop followed by spraying of fungicide, Carbendazim @ 1gm/lit of water. Breakdown the soil collected around the tree trunk
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
	1	1	Honey Bees
			 Box must be covered with straw/dry leaves to provide warmth
			LIVESTOCKS
Livestock	Stage	Disease	Precautionary Practices to be followed
			General e diverted for Poultry/livestock feeding the clock and water troughs/feeders should be regularly cleaned,
Pigs	All stages	FMD (high fever	 Avoid dampness and cover weak and sick animals
1120	in stages	and appearance of mucous membrane of the mouth and foot.) Swine Fever	 Avoid dampless 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,

			 Vaccinate the healthy animals against FMD (Th Veterinary Dept.) Provide feed supplements 	rough State
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 a piglets if they are kept in confined system Deworm with anti helmetic drugs (particularly Tap viz. Fento Plus @ 1 tablet per 30 kg body weight In present weather conditions vaccinate against fever (Vaccines available in State Veterinary De 	eworms) swine
Contact Scientists (ICAR) or State Agril Staff or KVK staff for measures against adverse conditions or call at 03795-226237/226247				

कृषि मौसम सलाहकार सेवा पत्रिका

Agro-met Advisory Bulletin

(Period: 6th to 9th January 2018)



ग्रामीण कृषि मौसम सेवा



(Integrated Agro-Meteorological Advisory Services)



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

District: Upper Siang

No: AMFU-Basar/2018/02

Dated: Fri, 5th January 2018



Weather summery of the previous week	Weather forecast valid up to 10 th Jan'2018
Rainfall = 16.4 mm	Mostly sunny to partly cloudy with possibility of very light rain.
	Daily maximum and minimum temperature for the following period
	is predicted to be 17-18°C and 07-09°C respectively. Expected
	morning and evening relative humidity will be 48-62% and 21-38%
	respectively. Wind direction is mainly NE with speed range of 5-8
	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

Сгор	Stage	Pest/Disease	Precautionary Practices to be followed
Crop	Juge		FIELD CROPS
Rice	Harvesting		Sun-dry & properly winnow the grains for safe storage.
	C		 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
			VEGETABLES
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
Cabbage/ Cauliflower/ Knolkhol/ Others	Maturity/ Harvesting	Leaf eating caterpillars/ Aphids	 management of potato late blight. 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
		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/ harvesting	Fruit Drop Fruit Fly Gummosis	 Harvest the mature fruit with stalk and store in dry places. Collect & dispose rotten fallen fruits/ install fruit-fly traps Dead wood pruning may be done after harvesting of crop followed by spraying of fungicide, Carbendazim @ 1gm/lit of water. Breakdown the soil collected around the tree trunk
Kiwi	Harvesting		 Should be harvested by snapping their stalks Fruit should be stored boxes containing cushioning materials and transported to the market in hard condition.
			Honey Bees
Honey bees			 Box must be covered with straw/dry leaves to provide warmth Provide sugar syrup
			LIVESTOCKS
Livestock	Stage	Disease	Precautionary Practices to be followed
			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 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,

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

> Agrometeorological Field Unit ICAR, BASAR

कृषि मौसम सलाहकार सेवा पत्रिका

Agro-met Advisory Bulletin

(Period: 6th to 9th January 2018)



ग्रामीण कृषि मौसम सेवा

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

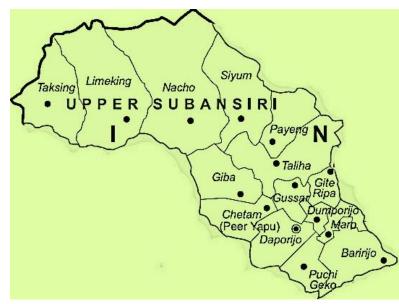


AMFU, ICAR Research Complex for NEH Region Arunachal Pradesh Centre, Basar-791101

District: Upper Subansiri

No: AMFU-Basar/2018/02

Dated: Fri, 5th January 2018



Weather summery of the previous week	Weather forecast valid up to 10 th Jan'2018
Daporijo: 0.0 mm	Mostly sunny with no possibility of rain. Daily maximum and
	minimum temperature for the following period is predicted to be
	23°C and 10-11°C respectively. Expected morning and evening
	relative humidity will be 55-74% and 29-46% respectively.
	Expected wind direction is mainly SSE & SE with speed range of 4-
	6 kmph.
Warning	Moderate to dense fog likely to occur at isolated places

Weather Based Agro-meteorological Advisories Bulletin

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

Сгор	Stage	Pest/Disease	Precautionary Practices to be followed
	.		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
Rice	Harvesting		 Sun-dry & properly winnow the grains for safe storage.
Pea	Sowing		 Treat pea with rhizobium@2gm/kg seed before sowing or treat
100	bowing		with carbendazim @ 2g/kg seed before sowing of deal
			 Provide irrigation to plants
			 Complete sowing by 1st fortnight of Nov. for better yield
			VEGETABLES
Potato	Vegetative	Red Ants/	Weeding and application of fertilizer as per recommended
	C	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
			 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/		Aphids	caterpillars has been reported. Spray Azadirachtin(0.015%)
Others			@6ml/litre of water when weather is clear.
		HODT	Spray with neem based pesticides against aphids ICULTURAL CROPS
Temperate fruits	After harvesting	ΠΟΚΙ	 Training & pruning of the temperate crops (apple/pears/peach)
remperate fruits	Arter harvesting		is recommended
Large Cardamom	Fruiting	Chirkey Disease	• Remove dry/diseased/old tillers & branches & spray Bio NPK@ 2ml/lit water for proper growth.
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
Banana	Bunching	Cold	 Breakdown the soil collected around the tree trunk Cover newly emerged bunches with locally available sack to
Danana	Dunening	Cold	protect from cold/frost
Orchards			• Prepare half moon terraces in fruit crops
			(orange/banana/apple/peach) grown in steep slopes to prevent
			nutrient loss during heavy downpour.
			 Follow proper drainage and earthing up practices in low land/plain areas to avoid water stagnation in fruit orchards
			Honey Bees
Honey bees			Provide sugar syrup near the box
<u> </u>			Add insulation and ventilation systems
	~		LIVESTOCKS
Livestock	Stage	Disease	Precautionary Practices to be followed
• Domogod an	· · · · · · · · · · · · · · · · · · ·	ntominated) to be	General
0 0			e diverted for Poultry/livestock feeding the clock and water troughs/feeders should be regularly cleaned,
Fishery	ng water should t	se ensureu rounu	Keep fish stoking density thin @1200/ha
Pigs	All stages	FMD (high fever	 Avoid dampness and cover weak and sick animals
8-	Stages	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.) Swine Fever	Tapeworms) viz. Fento Plus @ 1 tablet per 30 kg body weight.
		Swille rever	• Provide proper bedding materials especially to new-born
Co41-	A 11 cto co -	EMD	piglets and lukewarm food & water
Cattle	All stages	FMD	 Animals should be given lukewarm feed and water.
			Right time to deworm with anti helmetic drugs

Mithun	FMD	 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 Polyvalent FMD vaccine with serotype O, A and Asia at 6 months
		of age and repeat after that 6 months interval by sub-cutaneous route.Pregnant animals above 7 months of pregnancy should be avoided.
Contact Scientists (IC	<i>,</i> 0	ff or KVK staff for measures against adverse conditions or call 03795-226237/226247



कृषि मौसम सलाहकार सेवा पत्रिका

Agro-met Advisory Bulletin

(Period: 6th to 9th 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/2018/02

Dated: Fri, 5th January 2018



Weather summery of the previous week	Weather forecast valid up to 10 th Jan'2018
Rainfall = Bomdila: 0.0 ; Bhalukpong: 0.0	Generally clear/dry weather forecasted. Daily maximum and
mm	minimum temperature for the following period is predicted to be 17-
	18°C and 08-09°C respectively. Expected morning and evening
	relative humidity will be 76-88% and 22-41% respectively. Wind
	direction variable NNW with speed range of 5-6 kmph.
Warning:	Moderate to dense fog likely to occur at isolated places

Weather Based Agro-meteorological Advisories Bulletin

General Recommendations

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

Сгор	Stage	Pest/Disease	Precautionary Practices to be followed
			FIELD CROPS
Rice	Harvesting	Rat	 Sun-dry & properly winnow the grains for safe storage. In case of rain delay harvesting
	-	Kat	Harvest mature cobs and dry properly before storingUse locally available traps to control rats menace
Pea	Vegetative		Provide irrigation to plantsWeeding 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 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/ 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
		HORT	ICULTURAL CROPS
Temperate fruits	After harvesting		• 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 Gummosis	 Harvest the mature fruit with stalk and store in dry places. Collect & dispose rotten fallen fruits/ install fruit-fly traps Dead wood pruning may be done after harvesting of crop followed by spraying of fungicide, Carbendazim @ 1gm/lit of water. Breakdown the soil collected around the tree trunk
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 land/plain areas to avoid water stagnation in fruit orchards Honey Bees
Honey bees			Provide sugar syrup near the box
Honey bees			 Add insulation and ventilation systems
.			LIVESTOCKS
Livestock	Stage	Disease	Precautionary Practices to be followed
	-		General e diverted for Poultry/livestock feeding the clock and water troughs/feeders should be regularly cleaned,
Fishery			Keep fish stoking density thin @1200/ha
Pigs	All stages	FMD (high fever and appearance of mucous membrane of the mouth and foot.) Swine Fever	 Avoid dampness and cover weak and sick animals with sack cloth. Animals should be given lukewarm feed and water. Right time to deworm with anti helmetic drugs (particularly Tapeworms) viz. Fento Plus @ 1 tablet per 30 kg body weight. Provide proper bedding materials especially to new-born piglets and lukewarm food & water

Cattle	All stages 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 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	ntists (ICAR) or S	U	ff or KVK staff for measures against adverse conditions or call 03795-226237/226247

> Agrometeorological Field Unit ICAR, BASAR

कृषि मौसम सलाहकार सेवा पत्रिका Agro-met Advisory Bulletin

(Period: 6th to 9th 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/2018/02

Dated: Fri, 5th 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 10 th Jan'2018
Basar: Rainfall = 0.0 mm. T. Max: 22.0° C,	Mostly sunny to partly cloudy with no possibility of rain. Daily
T. Min: 5.2°C, RH: 56-91%, Wind Speed: 3-	maximum and minimum temperature for the following period is
5 kmph, Wind Direction: NE	predicted to be 24-25°C and 11-13°C respectively. Expected
	morning and evening relative humidity will be 48-59% and 23-36%
	respectively. Wind direction is mainly variable with speed range of
	3-6 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

Сгор	Stage	Pest/Disease	Precautionary Practices to be followed
]	FIELD CROPS
Rice	Harvesting		• 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
Mustard	Vegetative	White rust/	• Need-based foliar spray of Metalaxyl+Dithane M-45 @
		Downey	2.5g/lit at 15 days intervalfor management of White
		mildew	rust/Downy mildew in mustard
D	.		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, Ealier approved Dithere M 45@2.5x/litre of water for
			• Foliar spray of Dithane <u>M-45@2.5g/litre</u> of water for management of potato late blight
Cabbage/	Maturity	Leaf eating	management of potato late blight.Light irrigation is essential,
Cauliflower/	Waturity	caterpillars/	 Light irrigation is essential, In present weather conditions severe attack of leaf eating
Knolkhol/		Aphids	• In present weather conditions severe attack of leaf eating caterpillars has been reported. Spray Azadirachtin(0.015%)
Others		ripilius	@6ml/litre of water when weather is clear.
ouiois			
		UODT	Spray with neem based pesticides against aphids ICULTURAL CROPS
Banana	Bunching	Cold	
Dallalla	Dunching	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)
i emperate mans	i inter nui vebtning		is recommended
Large Cardamom	Fruiting	Chirkey Disease	Remove dry/diseased/old tillers & branches & spray
	Tutung	Chirkey Discuse	Bio NPK@ 2ml/lit water for proper growth.
Citrus	Maturity/	Fruit Drop	 Harvest the mature fruit with stalk and store in dry places.
Cititus	harvesting	Fruit Fly	 Collect & dispose rotten fallen fruits/ install fruit-fly traps
	8	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
			Honey Bees
Honey bees			• Cover the boxes with locally available dry grass or straw to
			provide warmt
			LIVESTOCKS
Livestock	Stage	Disease	Precautionary Practices to be followed
LITCOUUK	Diago	DISCUST	General
Damagad gr	ain (not fungus a	ntaminated) to be	e diverted for Poultry/livestock feeding
0 0			the clock and water troughs/feeders should be regularly cleaned,
Poultry	All stages	ov ensureu rounu	 Day old chick-Maintain warmth by lighting,
i outu y	1 m stages		 Day old chick-Maintain warnin by righting, In present weather conditions protect the birds from cold by
			• 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	 Avoid dampness and cover weak and sick animals
0%	Stuges	and appearance	with sack cloth.
		of mucous	 Animals should be given lukewarm feed and water.
		membrane of the	 Animals should be given lukewarm leed and water. Right time to deworm with anti helmetic drugs (particularly
		mouth and foot.)	
		mount and mouth	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		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 Scie	Contact Scientists (ICAR) or State Agril Staff or KVK staff for measures against adverse conditions or call at 03795-226237/226247			