Agro-met Advisory Bulletin

(Period: 10th to 13th February 2018)

ग्रामीण कृषि मौसम सेवा



GRAMIN KRISHI MAUSAM SEWA

(Integrated Agro-Meteorological Advisory Services)

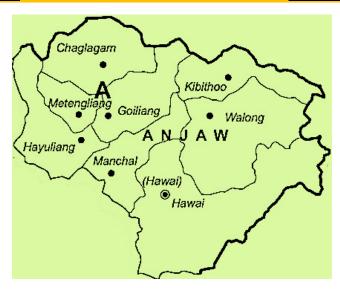


AMFU, ICAR Research Complex for NEH Region Arunachal Pradesh Centre, Basar-791101

District: Anjaw

No: AMFU-Basar/2018/12

Dated: Fri, 9th February, 2018



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

Weather summery of the previous week	Weather forecast valid up to 14 th February 2018
No weather summary available	Mostly cloudy with possibility of light/moderate rainfall. Daily maximum and minimum temperature for the following period is predicted to be 18-19°C and 08-09°C respectively. Expected morning and evening relative humidity will be 71-85% and 53-67% respectively. Wind direction is mainly SSE with average wind speed range of 4-7 kmph.
Warning:	Moderate to dense fog likely to occur at isolated places

Weather Based Agro-meteorological Advisories Bulletin

- Spraying operation should be done only on dry/clear weather
- Obtain seeds from reputed/certified/reliable source
- Use fertilizers/pesticides as per recommended doses for the location
- Preference must be given on use of organic manures/bio-fertilizers & bio-pesticides
- Warning: Spraying of DDT in crops is lethal



Crop	Stage	Pest/Disease	Precautionary Practices to be followed
			FIELD CROPS
Pea	Vegetative	Powdery mildew/ leaf eating insects	 Avoid/suspend all spray operations and application of fertilizers.
Toria/ Mustard	Vegetative/ Flowering		 Provide proper drainage facilities for the toria grown in the WRC field to protect them against heavy rainfall.
			VEGETABLES
Ginger/ Turmeric	Maturity		 Harvest the mature crop on clear day, Cure should be taken while harvest so that the rhizome is not damaged,
Potato	Vegetative stage/ Harvesting stage	Late blight	 In present weather conditions harvesting of mature crops may be done during sunny days, Regularly monitor against the disease symptoms. Prominent symptoms include small, dark, circular to irregular shaped lesion in the leaves Prophylactic spraying of Mancozeb @ 2 gram per 4 litres of
Cabbage/	Harvesting		water is advised using stickers in case of rainfall • Harvest mature crop.
Cauliflower		норт	Constantly monitor against attack of insects pests/mole. TICULTURAL CROPS
Banana	Bunching	Cold	Cover newly emerged bunches with locally available sack to
	Ü	Cola	 protect from cold/frost Mulching with straw/crop residue at root zone to avoid frost injury in banana.
Pineapple	Harvesting		 After winter harvest, collection/Selection of suckers & slip to be done for next season planting
Citrus	Maturity/ harvesting	Bark eating caterpillar, Trunk borer, Blue & Green mould	 Orange (only if harvesting is over): Go for drenching with Dichlorovos 76 EC@0.05% against trunk-borer on dry days. On clear weather or using sticker, against Blue & Green mould, spray Imazalil 34 WP @ 1g/lit. Prune away the
Temperate fruits	After harvesting		 diseased portion of the plant. In case of Bark eating caterpillar, remove the wooden frass present in between the joints of the trunk and inject Dichlorovos (DDVP) 76 EC 0.1 percent @ 5ml in the larval tunnel with the help of disposable syringe and push cotton swab soaked in Dichlorovos solution in the larval tunnel. Training & pruning of the temperate crops (apple/pears/peach) is recommended
			In case of flowering, stop spraying insecticides/pesticides
			LIVESTOCKS
Poultry	Stage All stages	Disease	 Precautionary Practices to be followed Provide shelter to the backyard/scavenging poultry. Feed grains in the morning/evening to supplement scavenging. 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.
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. The bedding is always dry and that there is plenty. If possible wooden sleeping box should be provided. 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.
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			
		•	Provide feed supplements			
Mithun	FMD	•	Polyvalent FMD vaccine with serotype 0, A and Asia at 6			
			months of age and repeat after that 6 months interval by			
			sub-cutaneous route. Pregnant animals above 7 months of			
			pregnancy should be avoided from vaccination.			
Contact Scientis	Contact Scientists (ICAR) or State Agril Staff or KVK staff for measures against adverse conditions or call at 03795-					
	226227/226247					

Agro-met Advisory Bulletin

(Period: 10th to 13th February 2018)

ग्रामीण कृषि मौसम सेवा



GRAMIN KRISHI MAUSAM SEWA

(Integrated Agro-Meteorological Advisory Services)

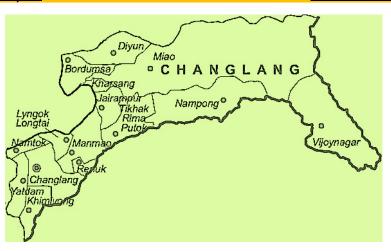


AMFU, ICAR Research Complex for NEH Region Arunachal Pradesh Centre, Basar-791101

District: Changlang

No: AMFU-Basar/2018/12

Dated: Fri, 9th February, 2018



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

Weather summery of the previous week	Weather forecast valid up to 14 th February 2018
Rainfall = Changlang: 0.0 mm Miao: 16.6	Variable sky with possibility of no rainfall. Daily maximum and
mm (Up to 6 th Feb)	minimum temperature for the following period is predicted to be 24-
	25°C and 13-14°C respectively. Expected morning and evening
	relative humidity will be 75-84% and 13-23% respectively. Wind
	direction is mainly ESE with speed range of 4-6 kmph.
Warning	Moderate to dense fog likely to occur at isolated places

Weather Based Agro-meteorological Advisories Bulletin

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

Crop	Stage	Pest/Disease	Precautionary Practices to be followed
			FIELD CROPS
Pea	Vegetative	Powdery mildew/ leaf eating insects	 Need based foliar spray of Dinocap (0.2%) or Carbendazim 50WP (0.1%) or Propiconazole (0.1%) using sticker in case of rainfall. On clear weather, spray of Azadirachtin 0.15% EC @ 6ml/lit against leaf eating insects
Maize	Vegetative/ Maturity/ Harvesting	Rats	 Prepare field for sowing of crop, Protect the crop against attack of rats using locally available traps, When rat menace has occurred application of multi dose rodenticide like bromadiolone with proper consultation with experts is advised.
D	T 7		VEGETABLES
Potato	Vegetative stage/ Harvesting stage	Late blight	 In present weather conditions harvesting of mature crops may be done, Regularly monitor against the disease symptoms. Prominent symptoms include small, dark, circular to irregular shaped lesion in the leaves Prophylactic spraying of Mancozeb @ 2 gram per 4 litres of water is advised using stickers in case of rainfall
Cabbage/ Cauliflower	Harvesting		 Harvest mature crop. Constantly monitor against attack of insects pests/mole.
Ginger/ Turmeric	Maturity	новт	 Harvest the mature crop, Cure should be taken while harvest so that the rhizome is not damaged, ICULTURAL CROPS
Citrus	Maturity/	Bark eating	Orange (only if harvesting is over): Go for drenching with
	harvesting	caterpillar, Trunk borer, Blue & Green mould	 Dichlorovos 76 EC@0.05% against trunk-borer. Against Blue & Green mould, spray Imazalil 34 WP @ 1g/lit. Prune away the diseased portion of the plant using sticker in case of rainfall. In case of Bark eating caterpillar, remove the wooden frass present in between the joints of the trunk and inject Dichlorovos (DDVP) 76 EC 0.1 percent @ 5ml in the larval tunnel with the help of disposable syringe and push cotton swab soaked in Dichlorovos solution in the larval tunnel.
Banana	Bunching	Cold	 Cover newly emerged bunches with locally available sack to protect from cold/frost Mulching with straw/crop residue at root zone to avoid frost injury in banana.
			Honey Bees
Honey bees			 Box must be covered with straw/dry leaves to provide warmth Provide sugar syrup LIVESTOCKS
Livestock	Stage	Disease	Precautionary Practices to be followed
Damaged gr	rain (not fungus co	ontaminated) to b	General e diverted for Poultry/livestock feeding
• Clean drink	All stages	ve ensurea round	the clock and water troughs/feeders should be regularly cleaned,
Poultry	All stages		 Provide shelter to the backyard/scavenging poultry. Feed grains in the morning/evening to supplement scavenging. 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.
Pigs	All stages	FMD (high fever and appearance of mucous membrane of the mouth and foot.) Swine Fever	

			•	Right time to deworm with anti helmetic drugs (particularly
				Tapeworms) viz. Fento Plus @ 1 tablet per 30 kg body weight.
Goat	All stages		•	Deworming for gastrointestinal parasite
Cattle	All stages	FMD	•	Animals should be given lukewarm feed and water.
			•	Right time to deworm with anti helmetic drugs
				(particularly Tapeworms) viz. Fento Plus @ 1 tablet per 30
				kg body weight.
			•	Provide proper bedding materials especially to new-born and
				lukewarm food & water
			•	Provide feed supplements
Contact Scientists (ICAR) or State Agril Staff or KVK staff for measures against adverse conditions or call				

at 03795-226237/226247

Agrometeorological Field Unit ICAR, BASAR

Agro-met Advisory Bulletin

(Period: 10th to 13th February 2018)

ग्रामीण कृषि मौसम सेवा



GRAMIN KRISHI MAUSAM SEWA

(Integrated Agro-Meteorological Advisory Services)



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

District: Dibang Valley

No: AMFU-Basar/2018/12

Dated: Fri, 9th February, 2018



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

Weather summery of the previous week	Weather forecast valid up to 14 th February 2018
Rainfall = 16.0 mm (Anini) (Up to 6^{th} Feb)	Partly/moderately cloudy with possibility of light/moderate
	rainfall. Daily maximum and minimum temperature for the
	following period is predicted to be 18-19°C and 08-09°C
	respectively. Expected morning and evening relative humidity will be
	75-85% and 59-85% respectively. Wind direction is mainly S with
	speed range of 6-9 kmph.
Warning:	Moderate to dense fog likely to occur at isolated places

Weather Based Agro-meteorological Advisories Bulletin

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



Crop	Stage	Pest/Disease	Precautionary Practices to be followed
			FIELD CROPS
Pea	Vegetative	Powdery mildew/ leaf eating insects	 Avoid/suspend all spray operations and application of fertilizers.
Toria/ Mustard	Vegetative/ Flowering		 Provide proper drainage facilities for the toria grown in the WRC field to protect them against heavy rainfall.
			VEGETABLES
Potato	Vegetative stage/	Late blight	In present weather conditions harvesting of mature crops
	Harvesting stage	G	 may be done during sunny days, Regularly monitor against the disease symptoms. Prominent symptoms include small, dark, circular to irregular shaped lesion in the leaves Prophylactic spraying of Mancozeb @ 2 gram per 4 litres of
Cabbage/	Harvesting		water is advised using stickers in case of rainfallHarvest mature crop.
Cauliflower			 Constantly monitor against attack of insects pests/mole.
		HORT	TICULTURAL CROPS
Citrus	Maturity/ harvesting	Bark eating caterpillar, Trunk borer, Blue & Green	 Orange (only if harvesting is over): Go for drenching with Dichlorovos 76 EC@0.05% against trunk-borer on dry days. On clear weather or using sticker, against Blue & Green
		mould	 mould, spray Imazalil 34 WP @ 1g/lit. Prune away the diseased portion of the plant. In case of Bark eating caterpillar, remove the wooden frass present in between the joints of the trunk and inject Dichlorovos (DDVP) 76 EC 0.1 percent @ 5ml in the larval tunnel with the help of disposable syringe and push cotton swab soaked in Dichlorovos solution in the larval tunnel.
Pineapple	Harvesting		After winter harvest, collection/Selection of suckers & slip to be done for next season planting
Banana	Bunching	Cold	 Cover newly emerged bunches with locally available sack to protect from cold/frost Mulching with straw/crop residue at root zone to avoid
Temperate fruits	After harvesting		 frost injury in banana. Training & pruning of the temperate crops (apple/pears/peach) is recommended
			Honey Bees
Honey bees			Cover the boxes with locally available dry grass or straw to provide warmth
			LIVESTOCKS
Livestock	Stage	Disease	Precautionary Practices to be followed
Damaged gr	rain (not fungus co	ontaminated) to b	General e diverted for Poultry/livestock feeding
• Clean drink Poultry	All stages	oe ensureu rouna	 the clock and water troughs/feeders should be regularly cleaned, Provide shelter to the backyard/scavenging poultry. Feed
Tourity	All stages		 grains in the morning/evening to supplement scavenging. 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.
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. The bedding is always dry and that there is plenty. If possible wooden sleeping box should be provided. 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.
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.

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

Agrometeorological Field Unit ICAR, BASAR

Agro-met Advisory Bulletin

(Period: 10th to 13th February 2018)

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GRAMIN KRISHI MAUSAM SEWA

(Integrated Agro-Meteorological Advisory Services)



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

District: East Kameng

No: AMFU-Basar/2018/12

Dated: Fri, 9th February, 2018



Weather summery of the previous week	Weather forecast valid up to 14 th February 2018
Rainfall = 0.0 mm (Up to 6 th Feb)	Partly cloudy with possibility of no rain. Daily maximum and minimum temperature for the following period is predicted to be 22-23°C and 12-13°C respectively. Expected morning and evening relative humidity will be 72-78% and 23-36% respectively. Expected wind direction is mainly SSE & SE with speed range of 5 kmph.
Warning:	Rain in few isolated places

Weather Based Agro-meteorological Advisories Bulletin

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

Crop	Stage	Pest/Disease	Precautionary Practices to be followed
			FIELD CROPS
Pea	Vegetative	Powdery mildew/ leaf eating insects	 Need based foliar spray of Dinocap (0.2%) or Carbendazim 50WP (0.1%) or Propiconazole (0.1%) using sticker. On clear weather, spray of Azadirachtin 0.15% EC @ 6ml/lit against leaf eating insects
Potato	Vegetative stage/	Late blight	 VEGETABLES In present weather conditions harvesting of mature crops
rotato	Harvesting stage	Late bugut	 In present weather conditions harvesting of mature crops may be done, Regularly monitor against the disease symptoms. Prominent symptoms include small, dark, circular to irregular shaped lesion in the leaves Prophylactic spraying of Mancozeb @ 2 gram per 4 litres of water is advised
Cabbage/	Harvesting		Harvest mature crop.
Cauliflower	Motumity		Constantly monitor against attack of insects pests/mole.
Ginger/ Turmeric	Maturity		 Harvest the mature crop, Cure should be taken while harvest so that the rhizome is not damaged,
		HORT	TICULTURAL CROPS
Citrus	Maturity/ harvesting	Bark eating caterpillar, Trunk borer, Blue & Green mould	 Orange (only if harvesting is over): Go for drenching with Dichlorovos 76 EC@0.05% against trunk-borer. Against Blue & Green mould, spray Imazalil 34 WP @ 1g/lit on clear/dry day. Prune away the diseased portion of the plant. In case of Bark eating caterpillar, remove the wooden frass present in between the joints of the trunk and inject Dichlorovos (DDVP) 76 EC 0.1 percent @ 5ml in the larval tunnel with the help of disposable syringe and push cotton swab soaked in Dichlorovos solution in the larval tunnel.
Banana	Bunching	Cold	 Cover newly emerged bunches with locally available sack to protect from cold/frost Mulching with straw/crop residue at root zone to avoid
Pineapple	Active vegetative		 frost injury in banana. Remove excess suckers to increase fruit size and improve quality.
Ginger/Turmeric	Seedling		 Mulching with locally available materials like dry grass/paddy straw recommended Proper drainage to be done and avoid water stagnation Earthing up of ginger/turmeric along with basal application of required fertilizer should be done Agroforestry
Toko palm	Nursery		Filling of nursery polybags for raising of takopalm seedlings
_	-		I WINGING CIVIC
Livestock	Stage	Disease	LIVESTOCKS Precautionary Practices to be followed
Damaged gr	ain (not fungus co	ontaminated) to b	General e diverted for Poultry/livestock feeding the clock and water troughs/feeders should be regularly cleaned,
Poultry	All stages	o Casar Cu I Vuilu	 Provide shelter to the backyard/scavenging poultry. Feed grains in the morning/evening to supplement scavenging. 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.
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. The bedding is always dry and that there is plenty. If possible wooden sleeping box should be provided. 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.		
Cattle	All stages	FMD	 Animals should be given lukewarm feed and water. Right time to deworm with anti helmetic drugs (particularly Tapeworms) viz. Fento Plus @ 1 tablet per 30 kg body weight. Provide proper bedding materials especially to new-born and lukewarm food & water Provide feed supplements 		
Fishery			 Application of quick lime is highly recommended in order to rectify water pH. Application of fish feed (mustard oil cake) is essential for achieving higher yield 		
Mithun		FMD	 Polyvalent FMD vaccine with serotype O, A and Asia at 6 months of age and repeat after that 6 months interval by sub-cutaneous route. Pregnant animals above 7 months of pregnancy should be avoided. 		
Contact Scient	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

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(Period: 10th to 13th February 2018)

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GRAMIN KRISHI MAUSAM SEWA

(Integrated Agro-Meteorological Advisory Services)



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

District: East Siang

No: AMFU-Basar/2018/12

Dated: Fri, 9th February, 2018



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

Weather summery of the previous week	Weather forecast valid up to 14 th February 2018
Rainfall: 31.8 mm; T. Max: 25.0°C; T. Min:	Sunny/Partly cloudy with possibility of light rainfall. Daily
15.0°C; RH: 70-98% (Up to 6ht Feb)	maximum and minimum temperature for the following period is
	predicted to be 22-24°C and 14°C respectively. Expected morning
	and evening relative humidity will be 71-85% and 22-42%
	respectively. Expected wind direction is mainly S & W with speed
	range of 5-6 kmph.
Warning:	Rain in few isolated places

Weather Based Agro-meteorological Advisories Bulletin

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

Crop	Stage	Pest/Disease	Precautionary Practices to be followed
	Ü		FIELD CROPS
Pea	Vegetative	Powdery mildew/ leaf eating insects	 Avoid/suspend all spray operations and application of fertilizers.
Toria/ Mustard	Vegetative/ Flowering	cating insects	Provide proper drainage facilities for the toria grown in the WRC field to protect them against heavy rainfall.
Maize	Vegetative/	Rats	Prepare field for sowing of crop,
Marze	Maturity/ Harvesting	ruis	 Protect the crop against attack of rats using locally available traps, When rat menace has occurred application of multi dose rodenticide like bromadiolone with proper consultation with experts is advised.
			VEGETABLES
Potato	Vegetative stage/	Late blight	• In present weather conditions harvesting of mature crops
2 0 0 0 0	Harvesting stage	Late organ	 may be done during sunny days, Regularly monitor against the disease symptoms. Prominent symptoms include small, dark, circular to irregular shaped lesion in the leaves Prophylactic spraying of Mancozeb @ 2 gram per 4 litres of water is advised using stickers in case of rainfall
Cabbage/ Cauliflower	Harvesting		 Harvest mature crop. Constantly monitor against attack of insects pests/mole.
Ginger/ Turmeric	Maturity		 Harvest the mature crop, Cure should be taken while harvest so that the rhizome is not damaged,
		HORT	ICULTURAL CROPS
Citrus	Maturity/ harvesting	Bark eating caterpillar, Trunk borer, Blue & Green mould	 Orange (only if harvesting is over): Go for drenching with Dichlorovos 76 EC@0.05% against trunk-borer on dry days. On clear weather or using sticker, against Blue & Green mould, spray Imazalil 34 WP @ 1g/lit. Prune away the diseased portion of the plant. In case of Bark eating caterpillar, remove the wooden frass present in between the joints of the trunk and inject Dichlorovos (DDVP) 76 EC 0.1 percent @ 5ml in the larval tunnel with the help of disposable syringe and push cotton swab soaked in Dichlorovos solution in the larval tunnel. Should be harvested by snapping their stalks
IXI WI	Trai vesting		 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
			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 poultryshed during night, Provide heat by lighting 100W bulb @ 1 bulb per 20 newly born chicks.
Mithun		FMD	 Polyvalent FMD vaccine with serotype O, A and Asia at 6 months of age and repeat after that 6 months interval by subcutaneous route. Pregnant animals above 7 months of pregnancy should be avoided.
Contact Scien	tists (ICAR) or S	State Agril Staff	f or KVK staff for measures against adverse conditions or call

at 03795-226237/226247

Agrometeorological Field Unit ICAR, BASAR

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(Period: 10th to 13th February 2018)

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GRAMIN KRISHI MAUSAM SEWA

(Integrated Agro-Meteorological Advisory Services)



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

District: Kurung Kumey

No: AMFU-Basar/2018/12

Dated: Fri, 9th February, 2018



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

Weather summery of the previous week	Weather forecast valid up to 14 th February 2018
Past weather summary not available	Mostly sunny with possibility of very light rain. Daily maximum
	and minimum temperature for the following period is predicted to be
	18-19°C and 07-08°C respectively. Expected morning and evening
	relative humidity will be 71-75% and 27-55% respectively. Wind
	direction is mainly variable with wind speed range of 5-7 kmph.
Warning	Rain in few isolated places

Weather Based Agro-meteorological Advisories Bulletin

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

Crop	Stage	Pest/Disease	Precautionary Practices to be followed
			FIELD CROPS
Pea	Vegetative	Powdery mildew/ leaf eating insects	 Need based foliar spray of Dinocap (0.2%) or Carbendazim 50WP (0.1%) or Propiconazole (0.1%) using sticker in case of rainfall. On clear weather, spray of Azadirachtin 0.15% EC @ 6ml/lit against leaf eating insects
			VEGETABLES
Potato	Vegetative stage/ Harvesting stage	Late blight	 In present weather conditions harvesting of mature crops may be done, Regularly monitor against the disease symptoms. Prominent symptoms include small, dark, circular to irregular shaped lesion in the leaves Prophylactic spraying of Mancozeb @ 2 gram per 4 litres of water is advised
Cabbage/	Harvesting		Harvest mature crop.
Cauliflower			 Constantly monitor against attack of insects pests/mole.
		HORT	TICULTURAL CROPS
Temperate fruits	After harvesting		 Training & pruning of the temperate crops (apple/pears/peach) is recommended In case of flowering, stop spraying insecticides/pesticides
Citrus	Maturity/ harvesting	Bark eating caterpillar, Trunk borer, Blue & Green mould	 Orange (only if harvesting is over): Go for drenching with Dichlorovos 76 EC@0.05% against trunk-borer. Against Blue & Green mould, spray Imazalil 34 WP @ 1g/lit using sticker in case of rainfall. Prune away the diseased portion of the plant. In case of Bark eating caterpillar, remove the wooden frass present in between the joints of the trunk and inject Dichlorovos (DDVP) 76 EC 0.1 percent @ 5ml in the larval tunnel with the help of disposable syringe and push cotton swab soaked in Dichlorovos solution in the larval tunnel.
Pineapple	Harvesting		After winter harvest, collection/Selection of suckers & slip to be done for next season planting
Banana	Bunching	Cold	 Cover newly emerged bunches with locally available sack to protect from cold/frost Mulching with straw/crop residue at root zone to avoid frost injury in banana.
			Honey Bees
			Box must be covered with straw/dry leaves to provide warmth LIVESTOCKS
			General
	_		be diverted for Poultry/livestock feeding I the clock and water troughs/feeders should be regularly cleaned,

• Clean drinking water should be ensured round the clock and water troughs/feeders should be regularly cleaned,

Livestock	Stage	Disease	Precautionary Practices to be followed
Cattle	All stages	FMD	 Animals should be given lukewarm feed and water. Right time to deworm with anti helmetic drugs (particularly Tapeworms) viz. Fento Plus @ 1 tablet per 30 kg body weight. Provide proper bedding materials especially to new-born and lukewarm food & water Provide feed supplements
Poultry	All stages		 Provide shelter to the backyard/scavenging poultry. Feed grains in the morning/evening to supplement scavenging. 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.
Pigs	All stages	FMD (high fever and appearance of mucous membrane of the	 Avoid dampness and cover weak and sick animals with sack cloth. The bedding is always dry and that there is plenty. If possible wooden sleeping box should be provided.

	mouth and foot.)		 Animals should be given lukewarm feed and water. 		
	Swine Fever		• Right time to deworm with anti helmetic drugs (particularly		
			Tapeworms) viz. Fento Plus @ 1 tablet per 30 kg body weight.		
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				

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

Agrometeorological Field Unit ICAR. BASAR

Agro-met Advisory Bulletin

(Period: 10th to 13th February 2018)

ग्रामीण कृषि मौसम सेवा



GRAMIN KRISHI MAUSAM SEWA

(Integrated Agro-Meteorological Advisory Services)

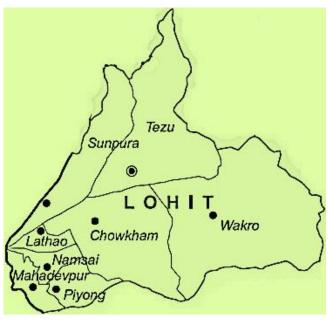


AMFU, ICAR Research Complex for NEH Region Arunachal Pradesh Centre, Basar-791101

District: Lohit

No: AMFU-Basar/2018/12

Dated: Fri, 9th February, 2018



Weather summery of the previous week	Weather forecast valid up to 14 th February 2018
Rainfall = 0.0 mm	Mostly/Partly cloudy with possibility of moderate rain. Daily
(Up to 6ht Feb)	maximum and minimum temperature for the following period is
	predicted to be 22-23°C and 13-14°C respectively. Expected morning
	and evening relative humidity will be 73-78% and 25-41%
	respectively. Wind direction is mainly ENE with speed range of 4-6
	kmph.
Warning:	Moderate to dense fog likely to occur at isolated places

Weather Based Agro-meteorological Advisories Bulletin

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

Crop	Stage	Pest/Disease	Precautionary Practices to be followed
			FIELD CROPS
Pea	Vegetative	Powdery mildew/ leaf eating insects	 Avoid/suspend all spray operations and application of fertilizers.
Toria/ Mustard	Vegetative/ Flowering		• Provide proper drainage facilities for the toria grown in the WRC field to protect them against heavy rainfall.
Maize	Vegetative/ Maturity/ Harvesting	Rats	 Prepare field for sowing of crop, Protect the crop against attack of rats using locally available traps, When rat menace has occurred application of multi dose rodenticide like bromadiolone with proper consultation with experts is advised.
			VEGETABLES
Potato	Vegetative stage/ Harvesting stage	Late blight	 In present weather conditions harvesting of mature crops may be done during sunny days, Regularly monitor against the disease symptoms. Prominent symptoms include small, dark, circular to irregular shaped lesion in the leaves Prophylactic spraying of Mancozeb @ 2 gram per 4 litres of water is advised using stickers in case of rainfall
Cabbage/	Harvesting		Harvest mature crop.
Cauliflower			Constantly monitor against attack of insects pests/mole.
Ginger/ Turmeric	Maturity	илрт	 Harvest the mature crop, Cure should be taken while harvest so that the rhizome is not damaged, TCULTURAL CROPS
Citrus	Maturity/	Bark eating	Orange (only if harvesting is over): Go for drenching with
	harvesting	caterpillar, Trunk borer, Blue & Green mould	 Dichlorovos 76 EC@0.05% against trunk-borer on dry days. On clear weather or using sticker, against Blue & Green mould, spray Imazalil 34 WP @ 1g/lit. Prune away the diseased portion of the plant. In case of Bark eating caterpillar, remove the wooden frass present in between the joints of the trunk and inject Dichlorovos (DDVP) 76 EC 0.1 percent @ 5ml in the larval tunnel with the help of disposable syringe and push cotton swab soaked in Dichlorovos solution in the larval tunnel.
Large Cardamom	Fruiting	Chirkey Disease	Remove dry/diseased/old tillers & branches & spray Bio NPK@ 2ml/lit water for proper growth on clear/dry days.
Banana	All stages	Sigatoka Leaf spot	 One sword sucker may be allowed after shooting (Flowering), Periodical removal of side suckers by cutting them above the ground level, scoop the core and pour 2 ml of kerosene in the core, Foliar spray of Propiconazole (e.g., Tilt) @ 1 ml per litre of wate using stickers
Kiwi	Harvesting		 Should be harvested by snapping their stalks Fruit should be stored boxes containing cushioning materials and transported to the market in hard condition.
			Honey Bees
Honey bees			Cover the boxes with locally available dry grass or straw to provide warmth
			LIVESTOCKS
Livestock	Stage	Disease	Precautionary Practices to be followed
Damaged gr		ontaminated) to b	General e diverted for Poultry/livestock feeding
			the clock and water troughs/feeders should be regularly cleaned,
Poultry	All stages		 Provide shelter to the backyard/scavenging poultry. Feed grains in the morning/evening to supplement scavenging. 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.
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. The bedding is always dry and that there is plenty. If possible wooden sleeping box should be provided. 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.
Cattle	All stages	FMD	 Animals should be given lukewarm feed and water. Right time to deworm with anti helmetic drugs (particularly Tapeworms) viz. Fento Plus @ 1 tablet per 30 kg body weight. Provide proper bedding materials especially to new-born and lukewarm food & water Heavy mortality in cloven footed animals has been reported. Supportive treatment of infected animals under supervision of veterinary department officials, Avoid mixing of infected and healthy animals, Keep infected animals separated from the healthy ones, Vaccinate the healthy animals against FMD (Through State Veterinary Dept.) Provide feed supplements
Mithun Contact Scien	tists (ICAR) or	FMD State Agril Staff	 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. For KVK staff for measures against adverse conditions or call

at 03795-226237/226247

Agrometeorological Field Unit ICAR, BASAR

Agro-met Advisory Bulletin

(Period: 10th to 13th February 2018)

ग्रामीण कृषि मौसम सेवा



GRAMIN KRISHI MAUSAM SEWA

(Integrated Agro-Meteorological Advisory Services)



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

District: Lower Dibang Valley

No: AMFU-Basar/2018/12

Dated: Fri, 9th February, 2018



Weather summery of the previous week	Weather forecast valid up to 14 th February 2018
Rainfall = 14.8 mm (Roing) (Up to 6 th Feb)	Partly cloudy with possibility of light/moderate rain. Daily
	maximum and minimum temperature for the following period is
	predicted to be 22-23°C and 13°C respectively. Expected morning
	and evening relative humidity will be 72-75% and 36-65%
	respectively. Wind direction is mainly SSE with speed range of 5-7
	kmph.
Warning:	Rain in few isolated places

Weather Based Agro-meteorological Advisories Bulletin

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

Crop	Stage	Pest/Disease	Precautionary Practices to be followed
			FIELD CROPS
Pea	Vegetative	Powdery mildew/ leaf eating insects	• Avoid/suspend all spray operations and application of fertilizers.
Toria/ Mustard	Vegetative/ Flowering		 Provide proper drainage facilities for the toria grown in the WRC field to protect them against heavy rainfall.
Maize	Vegetative/ Maturity/ Harvesting	Rats	 Prepare field for sowing of crop, Protect the crop against attack of rats using locally available traps, When rat menace has occurred application of multi dose rodenticide like bromadiolone with proper consultation with experts is advised.
7			VEGETABLES
Potato	Vegetative stage/ Harvesting stage	Late blight	 In present weather conditions harvesting of mature crops may be done during sunny days, Regularly monitor against the disease symptoms. Prominent symptoms include small, dark, circular to irregular shaped lesion in the leaves Prophylactic spraying of Mancozeb @ 2 gram per 4 litres of water is advised using stickers in case of rainfall
Cabbage/ Cauliflower	Harvesting		 Harvest mature crop. Constantly monitor against attack of insects pests/mole.
Ginger/ Turmeric	Maturity		 Harvest the mature crop, Cure should be taken while harvest so that the rhizome is not damaged,
		HORT	TCULTURAL CROPS
	harvesting	caterpillar, Trunk borer, Blue & Green mould	 Dichlorovos 76 EC@0.05% against trunk-borer on dry days. On clear weather or using sticker, against Blue & Green mould, spray Imazalil 34 WP @ 1g/lit. Prune away the diseased portion of the plant. In case of Bark eating caterpillar, remove the wooden frass present in between the joints of the trunk and inject Dichlorovos (DDVP) 76 EC 0.1 percent @ 5ml in the larval tunnel with the help of disposable syringe and push cotton swab soaked in Dichlorovos solution in the larval tunnel.
Large Cardamom	Fruiting	Chirkey Disease	 Remove dry/diseased/old tillers & branches & spray Bio NPK@ 2ml/lit water for proper growth on clear/dry days.
Banana	Multiple stages	Sigatoka Leaf spot	 One sword sucker may be allowed after shooting (Flowering), Periodical removal of side suckers by cutting them above the ground level, scoop the core and pour 2 ml of kerosene in the core, Foliar spray of Propiconazole (e.g., Tilt) @ 1 ml per litre of wate using stickers in case of rainfall.
TT 1			Honey Bees
Honey bees			Box must be covered with straw/dry leaves to provide warmth
			LIVESTOCKS
Livestock	Stage	Disease	Precautionary Practices to be followed
			General 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	LMD	 Animals should be given lukewarm feed and water. Right time to deworm with anti helmetic drugs

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

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

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

Agrometeorological Field Unit ICAR, BASAR

Agro-met Advisory Bulletin

(Period: 10th to 13th February 2018)

ग्रामीण कृषि मौसम सेवा



GRAMIN KRISHI MAUSAM SEWA

(Integrated Agro-Meteorological Advisory Services)



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

District: Lower Subansiri

No: AMFU-Basar/2018/12

Dated: Fri, 9th February, 2018



Weather summery of the previous week	Weather forecast valid up to 14 th February 2018
Rainfall = NA	Partly cloudy with possibility of no rainfall. Daily maximum and
	minimum temperature for the following period is predicted to be 22-
	23°C and 12-13°C respectively. Expected morning and evening
	relative humidity will be 72-78% and 23-36% respectively. Wind
	direction is mainly SSE & SE with speed range of 5 kmph.
Warning:	Rain in few isolated places

Weather Based Agro-meteorological Advisories Bulletin

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

Crop	Stage	Pest/Disease	Precautionary Practices to be followed
			FIELD CROPS
Pea	Vegetative	Powdery mildew/ leaf eating insects	 Need based foliar spray of Dinocap (0.2%) or Carbendazim 50WP (0.1%) or Propiconazole (0.1%) using sticker in case of rainfall. On clear weather, spray of Azadirachtin 0.15% EC @ 6ml/lit against leaf eating insects
Maize	Vagatativa/	Rats	5 0 110
Maize	Vegetative/ Maturity/ Harvesting		 Protect the crop against attack of rats using locally available traps, When rat menace has occurred application of multi dose rodenticide like bromadiolone with proper consultation with experts is advised.
			VEGETABLES
Potato	Vegetative stage/ Harvesting stage	Late blight	 In present weather conditions harvesting of mature crops may be done Regularly monitor against the disease symptoms. Prominent symptoms include small, dark, circular to irregular shaped lesion in the leaves Prophylactic spraying of Mancozeb @ 2 gram per 4 litres of water is advised using stickers in case of rainfall
Cabbage/	Harvesting		Harvest mature crop.
Cauliflower			Constantly monitor against attack of insects pests/mole.
		HORT	ICULTURAL CROPS
Citrus	Maturity/	Bark eating	Orange (only if harvesting is over): Go for drenching with
	harvesting	caterpillar, Trunk borer, Blue & Green mould	 Dichlorovos 76 EC@0.05% against trunk-borer on dry days. On clear weather or using sticker, against Blue & Green mould, spray Imazalil 34 WP @ 1g/lit. Prune away the diseased portion of the plant. In case of Bark eating caterpillar, remove the wooden frass present in between the joints of the trunk and inject Dichlorovos (DDVP) 76 EC 0.1 percent @ 5ml in the larval tunnel with the help of disposable syringe and push cotton swab soaked in Dichlorovos solution in the larval tunnel.
Pineapple	Harvesting		After winter harvest, collection/Selection of suckers & slip to be done for next season planting
Temperate fruits	After harvesting		Training & pruning of the temperate crops (apple/pears/peach) is recommended
Banana	Bunching	Cold	 In case of flowering, stop spraying insecticides/pesticides 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.
TD 1 1			Agroforestry
Toko palm	Nursery		Filling of nursery polybags for raising of takopalm seedlings
			Honey Bees
Honey bees			Box must be covered with straw/dry leaves to provide warmth
			LIVESTOCKS
Livestock	Stage	Disease	Precautionary Practices to be followed
Livestock	Stage	Distast	General
	_		e diverted for Poultry/livestock feeding
Clean drink Poultry	All stages	ре ензигеи гоила	the clock and water troughs/feeders should be regularly cleaned,
r outu y	All stages		 Provide shelter to the backyard/scavenging poultry. Feed grains in the morning/evening to supplement scavenging. 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.
Pigs	All stages	FMD (high fever	
	<u> </u>		

		and appearance of mucous membrane of the mouth and foot.) Swine Fever	• It nossible wooden sleening hay shalld he bravided
Cattle	All stages	FMD	 Animals should be given lukewarm feed and water. Right time to deworm with anti helmetic drugs (particularly Tapeworms) viz. Fento Plus @ 1 tablet per 30 kg body weight. Provide proper bedding materials especially to new-born and lukewarm food & water Provide feed supplements
Mithun		FMD	 Polyvalent FMD vaccine with serotype O, A and Asia at 6 months of age and repeat after that 6 months interval by sub-cutaneous route. Pregnant animals above 7 months of pregnancy should be avoided.

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

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Agrometeorological Field Unit ICAR, BASAR

Agro-met Advisory Bulletin

(Period: 10th to 13th February 2018)

ग्रामीण कृषि मौसम सेवा



GRAMIN KRISHI MAUSAM SEWA

(Integrated Agro-Meteorological Advisory Services)



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

District: Papum Pare

No: AMFU-Basar/2018/12

Dated: Fri, 9th February, 2018



Weather summery of the previous week	Weather forecast valid up to 14 th February 2018
Rainfall: 7.7 mm; T. Max: 24.0°C; T. Min: 15.0°C; RH: 68-94% (Up to 6 th Feb)	Variable sky with possibility of light rain. Daily maximum and minimum temperature for the following period is predicted to be 25-26°C and 15-16°C respectively. Expected morning and evening relative humidity will be 75-81% and 26-51% respectively. Expected wind direction mainly WSW & WNW with speed range of 3-5 kmph.
Warning:	Moderate to dense fog likely to occur at isolated places

Weather Based Agro-meteorological Advisories Bulletin

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

Mustard Vegetative Aphid • When population level is high spraying of Dimether mil per litre of water is advised using stickers in rainfall • Wegetative stage: Harvesting stage Harvesting stage Harvesting stage Harvesting of Late blight Harvesting stage: • Prophylatic spraying of Mancozeb © 2 gram per of water is advised. Cabbage/ Harvesting Prominent symptoms include small, dark, circular irregular shaped lesion in the leaves • Prophylatic spraying of Mancozeb © 2 gram per of water is advised. Cabbage/ Harvesting • Harvesting of Maturity • Harvest manuter crop. • Cure should be taken while harvest so the rhizome is not damaged. HORTICULTURAL CROPS Citrus Maturity/ harvesting caterpillar, Gummosis • In case of Bark eating caterpillar, remove the wood present in between the joints of the trunk and inject of before the mature fruit with stalk and store in dry plate burry deep in ground. Harvest the mature fruit with stalk and store in dry plate burry deep in ground. Harvest the mature fruit with stalk and store in dry plate burry deep in ground. Harvest the mature fruit with stalk and store in dry plate burry deep in ground. Harvest the mature fruit with stalk and store in dry plate burry deep in ground. Harvest the mature fruit with stalk and store in dry plate burry deep in ground. Harvest the mature fruit with stalk and store in dry plate burry deep in ground. Harvest the soil collected around the tree trunk water. Breakdown the soil collected around the tree trunk and inject of followed by spraying of fungicide, Carbendazim @ Igwater is advised. Remove dry/diseased/old tillers & branches & Bio NPK@ 2ml/lit water for proper grown stickers in case of rainfall. One sword sucker may be allowed after shooting (Flowed Precional removal of side suckers by cutting them abe ground level, scoop the core and pour 2 ml of kerosene core. Foliar spray of Propiconazole (e.g., Tilt) @ 1 ml per liwater using stickers in case of rainfall. Honey Bees Honey Bees Banana Biosase Disease Precautionary Practices to	Crop	Stage	Pest/Disease	Precautionary Practices to be followed
Maturity Harvesting				FIELD CROPS
Maturity/Harvesting	ize	Vegetative/	Rats	 Prepare field for sowing of crop,
Pea		Maturity/		
Pea Vegetative Powdery mildew/leaf eating insects Mustard Vegetative Aphid Portion Vegetative Harvesting stage Harvesting Sauge Author Cabbage/ Gaulillower Ginger/ Turmeric Maturity Bark eating harvesting Cummosis Citrus Maturity/ barvesting Cummosis Citrus Maturity/		Harvesting		
Pea Vegetative Powdery mildew/leaf cating insects satisfied. Powdery cating insects satisfied. Powdery constants. Mustard Vegetative Aphid Sov Propiconazole (0.1%) using stickers of rainfall. Potato Vegetative stage Harvesting stage Sow Mehan population level is high spraying of Dimether and per litre of water is advised using stickers in rainfall. Potato Vegetative stage Harvesting Stage Sow Prophylactic spraying of Mancozeb Sow Prophylactic spraying of Mancozeb Sow Prophylactic spraying of Mancozeb Sow 2 gram per of water is advised. Cabbage/ Harvesting Sow				
Pea				
Pea				
mildew/leaf eating insects 50WP (0.1%) or Propionazole (0.1%) using stickers of rainfall.		**	D 1	
Potato Vegetative Aphid Wegetative Aphid Wegetative Aphid Wegetative Aphid Wegetative Aphid Wegetative Aphid Wegetative When population level is high spraying of Dimether many per litre of water is advised using stickers in rainfall VEGETABLES		Vegetative	•	
On clear weather, spray of Azadirachtin 0.15% 6ml/lit against leaf eating insects				50WP (0.1%) or Propiconazole (0.1%) using stickers in case
Mustard Vegetative Aphid When population level is high spraying of Dimethem halp relitre of water is advised using stickers in rainfall			eating insects	of rainfall.
Mustard Vegetative Aphid When population level is high spraying of Dimethem halp relitre of water is advised using stickers in rainfall				• On clear weather, spray of Azadirachtin 0.15% EC @
Mustard Vegetative				
Potato Vegetative stage Harvesting stage Harvesting stage Cabbage	atond	Vagatativa	Anhid	
Potato Vegetative stage Harvesting stage Regularly monitor against the disease symptoms. Prominent symptoms include small, dark, circular irregular shaped lesion in the leaves Prophylactic spraying of Mancozeb @ 2 gram per of water is advised. Cabbage/ Cauliflower Harvesting Maturity Harvesting Maturity Harvesting acaterpillar, Gummosis Hold the staken while harvest so the rhizome is not damaged, HORTICULTURAL CROPS Citrus Maturity Harvesting Caterpillar, Gummosis Hold the staken while harvest so the rhizome is not damaged, HORTICULTURAL CROPS Citrus Maturity Harvesting Caterpillar, Gummosis Hold the staken while harvest so the rhizome is not damaged, HORTICULTURAL CROPS Citrus HORTICULTURAL CROPS In case of Bark eating caterpillar, remove the wood present in between the joints of the trunk and inject Dichlorovos (DDVP) 76 EC 0.1 percent @ Smil in the tunned with the help of disposable syringe and push swab soaked in Dichlorovos solution in the larval to Collect dropped fruits & dispose by putting in airtight burry deep in ground. Harvest the mature fruit with stakl and store in dry pla Dead wood pruning may be done after harvesting of for followed by spraying of fungicide, Carbendazim @ Light water. Breakdown the soil collected around the tree trunk A Remove dry/diseased/old tillers & branches & Bio NPK@ 2ml/lit water for proper growt stickers in case of rainfall. Banana Multiple stages Sigatoka Leaf spot Periodical removal of sides suckers by cutting them abe ground level, scoop the core and pour 2 ml of kerosen core. Foliar spray of Propiconazole (e.g., Till) @ 1 ml per li water using stickers in case of rainfall. Honey Bees Box must be covered with straw/dry leaves to pro warmth LIVESTOCKS Livestock Stage Disease Precautionary Practices to be followed	staru	vegetative	Apma	
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Potato Vegetative stage Harvesting stage Harvesting stage Harvesting stage Harvesting stage Prophylactic spraying of Mancozeb @ 2 gram per of water is advised Prophylactic spraying of Mancozeb @ 2 gram per of water is advised Harvest mature crop. Constantly monitor against attack of insects pests/r Harvest mature crop. Constantly monitor against attack of insects pests/r Harvest the mature crop, Cure should be taken while harvest so the rizome is not damaged, Harvesting Prophylactic spraying of Mancozeb @ 2 gram per of water is advised Harvest mature crop, Cure should be taken while harvest so the rizome is not damaged, Harvesting Prophylactic spraying of the per of water is advised. Harvest the mature crop, Cure should be taken while harvest so the rizome is not damaged, Harvest the mature crop, Cure should be taken while harvest so the rizome is not damaged, Harvest the mature crop, Cure should be taken while harvest so the rizome is not damaged, Harvest the mature crop, Cure should be taken while harvest so the rizome is not damaged, Harvest the mature crop, Cure should be taken while harvest so the rizome is not damaged, Harvest the mature crop, Cure should be taken while harvest so the rizome is not damaged, Harvest the mature crop, Cure should be taken while harvest so the rizome is not damaged, Harvest the mature crop, Cure should be taken while harvest so the rizome is not damaged, Harvest the mature crop, Cure should be taken while harvest so the rizome is not damaged, Harvest the mature crop, University of the constitution of the trunk and inject present in the terminal present in the prese				
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	Avestock	Stage	Disease	· · · · · · · · · · · · · · · · · · ·
La Domago de guain (mat Francustit1) t- L1:	_			
Damaged grain (not fungus contaminated) to be diverted for Poultry/livestock feeding	0 0	` 0		•
• Clean drinking water should be ensured round the clock and water troughs/feeders should be regularly cle		g water should b	e ensured round	the clock and water troughs/feeders should be regularly cleaned,
Goat All stages • Deworming for gastrointestinal parasite	Goat	All stages		Deworming for gastrointestinal parasite
	Pigs		FMD (high fever	2 2 1
and appearance with sack cloth.	0~	5505	. •	<u> </u>
of mucous • Animals should be given lukewarm feed and water.	<u>_</u>	<u>_</u>		Annhais should be given lukewarm feed and water.

		membrane of the mouth and foot.) Swine Fever	 Right time to deworm with anti helmetic of Tapeworms) viz. Fento Plus @ 1 tablet per Provide proper bedding materials especial piglets and lukewarm food & water 	er 30 kg body weight.
Fishery			• Keep fish stoking density thin @1200/h	a
Cattle	All stages	FMD	 Animals should be given lukewarm feed Right time to deworm with anti helmetic (particularly Tapeworms) viz. Fento Place body weight. Provide proper bedding materials especially lukewarm food & water Provide feed supplements 	ic drugs us @ 1 tablet per 30
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 ac piglets if they are kept in confined system Deworm with anti helmetic drugs (particular. Fento Plus @ 1 tablet per 30 kg body weather conditions vaccinate against swavailable in State Veterinary Depts), 	larly Tapeworms) weight <mark>In present</mark>

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

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

Agrometeorological Field Unit ICAR, BASAR

Agro-met Advisory Bulletin

(Period: 10th to 13th February 2018)

ग्रामीण कृषि मौसम सेवा



GRAMIN KRISHI MAUSAM SEWA

(Integrated Agro-Meteorological Advisory Services)



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

District: Tawang

No: AMFU-Basar/2018/12

Dated: Fri, 9th February, 2018



Weather summery of the previous week	Weather forecast valid up to 14 th February 2018
Rainfall = $4.0 \text{ mm (up to } 6^{th} \text{ Feb)}$	Sunny to partly cloudy with possibility of very light rain. Daily
	maximum and minimum temperature for the following period is
	predicted to be 14-16°C and 5.0-6.0°C respectively. Expected
	morning and evening relative humidity will be 64-66% and 04-49%
	respectively. Wind direction is mainly SW & WSW with probable
	speed range of 6-10 kmph.
Warning:	Rain in few isolated places

Weather Based Agro-meteorological Advisories Bulletin

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

Crop	Stage	Pest/Disease	Precautionary Practices to be followed
		1	FIELD CROPS
Maize	Vegetative/ Maturity/ Harvesting	Rats	 Prepare field for sowing of crop, Protect the crop against attack of rats using locally available traps, When rat menace has occurred application of multi dose rodenticide like bromadiolone with proper consultation with experts is advised.
Pea	Vegetative	Powdery mildew/ leaf eating insects	 Need based foliar spray of Dinocap (0.2%) or Carbendazim 50WP (0.1%) or Propiconazole (0.1%). On clear weather, spray of Azadirachtin 0.15% EC @ 6ml/lit against leaf eating insects
_	1	1	VEGETABLES
Potato	Vegetative stage/ Harvesting stage	Late blight	 In present weather conditions harvesting of mature crops may be done, Regularly monitor against the disease symptoms. Prominent symptoms include small, dark, circular to irregular shaped lesion in the leaves Prophylactic spraying of Mancozeb @ 2 gram per 4 litres of water is advised
Cabbage/	Harvesting		Harvest mature crop.
Cauliflower		TION TO THE PARTY OF THE PARTY	Constantly monitor against attack of insects pests/mole. Constantly monitor against attack of insects pests/mole. Constantly monitor against attack
Tomorous fruits	A fton homyostin a	HORT	ICULTURAL CROPS
Temperate fruits	After harvesting		 Training & pruning of the temperate crops (apple/pears/peach) is recommended In case of flowering, stop spraying insecticides/pesticides
Banana	Bunching	Cold	 Cover newly emerged bunches with locally available sack to protect from cold/frost Mulching with straw/crop residue at root zone to avoid frost injury in banana.
Kiwi	Harvesting		 Should be harvested by snapping their stalks Fruit should be stored boxes containing cushioning materials and transported to the market in hard condition.
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 Cover the boxes with locally available dry grass to provide
			warmth.
T. 1	- Ct	D.	LIVESTOCKS
Livestock	Stage	Disease	Precautionary Practices to be followed
			General se diverted for Poultry/livestock feeding
	_	be ensurea rouna	the clock and water troughs/feeders should be regularly cleaned,
Poultry	All stages		 Provide shelter to the backyard/scavenging poultry. Feed grains in the morning/evening to supplement scavenging. Day old chick-Maintain warmth by lighting,
Pigs	All stages	FMD (high fever and appearance of mucous membrane of the mouth and foot.) Swine Fever	 sack cloth. The bedding is always dry and that there is plenty. If possible wooden sleeping box should be provided. Animals should be given lukewarm feed and water.
Pigs	All stages	and appearance of mucous membrane of the mouth and foot.)	using gunny bags/plastic sheets around the poultry shed during night, • Provide heat by lighting 100W bulb @ 1 bulb per 20 newly born chicks. • Avoid dampness and cover weak and sick animals with sack cloth. • The bedding is always dry and that there is plenty. • If possible wooden sleeping box should be provided. • Animals should be given lukewarm feed and water. • Right time to deworm with anti helmetic drugs (particularly
Pigs	All stages	and appearance of mucous membrane of the mouth and foot.)	 using gunny bags/plastic sheets around the poultry shed during night, Provide heat by lighting 100W bulb @ 1 bulb per 20 newly born chicks. Avoid dampness and cover weak and sick animals with sack cloth. The bedding is always dry and that there is plenty. If possible wooden sleeping box should be provided. Animals should be given lukewarm feed and water.

	•	Right time to deworm with anti helmetic drugs (particularly Tapeworms) viz. Fento Plus @ 1 tablet per 30				
kg body weight.						
Provide proper bedding materials especially to new-born and						
lukewarm food & water						
Provide feed supplements						
Contact Scientists (ICAR) or State Agril Staff or KVK staff for measures against adverse conditions or call						
at 03795-226237/226247						

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

Agrometeorological Field Unit ICAR, BASAR

Agro-met Advisory Bulletin

(Period: 10th to 13th February 2018)

ग्रामीण कृषि मौसम सेवा



GRAMIN KRISHI MAUSAM SEWA

(Integrated Agro-Meteorological Advisory Services)



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

District: Tirap

No: AMFU-Basar/2018/12

Dated: Fri, 9th February, 2018



Weather summery of the previous week	Weather forecast valid up to 14 th February 2018
Rainfall = $0.0 \text{ mm (Up to } 6^{th} \text{ Feb)}$	Variable weather with possibility of no rain. Daily maximum and
	minimum temperature for the following period is predicted to be 24-
	25°C and 13-14°C respectively. Expected morning and evening
	relative humidity will be 75-84% and 13-23% respectively. Wind
	direction is mainly ESE with speed range of 4-6 kmph.
Warning:	Rain in few isolated places

Weather Based Agro-meteorological Advisories Bulletin

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

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

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

at 03795-226237/226247

Agrometeorological Field Unit ICAR, BASAR

Agro-met Advisory Bulletin

(Period: 10th to 13th February 2018)

ग्रामीण कृषि मौसम सेवा



GRAMIN KRISHI MAUSAM SEWA

(Integrated Agro-Meteorological Advisory Services)



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

District: Upper Siang

No: AMFU-Basar/2018/12

Dated: Fri, 9th February, 2018



Weather summery of the previous week	Weather forecast valid up to 14 th February 2018
Rainfall = $0.0 \text{ mm (Up to } 6^{th} \text{ Feb)}$	Partly/mostly cloudy with possibility of light/moderate rainfall.
	Daily maximum and minimum temperature for the following period
	is predicted to be 18-19°C and 08-09°C respectively. Expected
	morning and evening relative humidity will be 71-85% and 53-67%
	respectively. Wind direction is mainly SSE with speed range of 4-7
	kmph.
Warning:	Rain in few isolated places

Weather Based Agro-meteorological Advisories Bulletin

General Recommendations

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

Crop	Stage	Pest/Disease	Precautionary Practices to be followed
			FIELD CROPS
Pea	Vegetative	Powdery mildew/ leaf eating insects	 Avoid/suspend all spray operations and application of fertilizers.
Toria/ Mustard	Vegetative/ Flowering		Provide proper drainage facilities for the toria grown in the WRC field to protect them against heavy rainfall.
Maize	Vegetative/ Maturity/ Harvesting	Rats	 Prepare field for sowing of crop, Protect the crop against attack of rats using locally available traps, When rat menace has occurred application of multi dose rodenticide like bromadiolone with proper consultation with experts is advised.
			VEGETABLES
Potato	Vegetative stage/ Harvesting stage	Late blight	 In present weather conditions harvesting of mature crops may be done during sunny days, Regularly monitor against the disease symptoms. Prominent symptoms include small, dark, circular to irregular shaped lesion in the leaves Prophylactic spraying of Mancozeb @ 2 gram per 4 litres of water is advised using stickers in case of rainfall
Cabbage/	Harvesting		Harvest mature crop.
Cauliflower Ginger/ Turmeric	Maturity		 Constantly monitor against attack of insects pests/mole. Harvest the mature crop, Cure should be taken while harvest so that the rhizome is not damaged,
		HORT	TICULTURAL CROPS
	harvesting	caterpillar, Trunk borer, Blue & Green mould	 Dichlorovos 76 EC@0.05% against trunk-borer on dry days. On clear weather or using sticker, against Blue & Green mould, spray Imazalil 34 WP @ 1g/lit. Prune away the diseased portion of the plant. In case of Bark eating caterpillar, remove the wooden frass present in between the joints of the trunk and inject Dichlorovos (DDVP) 76 EC 0.1 percent @ 5ml in the larval tunnel with the help of disposable syringe and push cotton swab soaked in Dichlorovos solution in the larval tunnel.
Temperate fruits	After harvesting		 Training & pruning of the temperate crops (apple/pears/peach) is recommended In case of flowering, stop spraying insecticides/pesticides
Pineapple	Harvesting		After winter harvest, collection/Selection of suckers & slip to be done for next season planting
Banana	Bunching	Cold	 Cover newly emerged bunches with locally available sack to protect from cold/frost Mulching with straw/crop residue at root zone to avoid frost injury in banana.
Kiwi	Harvesting		 Should be harvested by snapping their stalks Fruit should be stored boxes containing cushioning materials and transported to the market in hard condition.
			Honey Bees
Honey bees			 Box must be covered with straw/dry leaves to provide warmth Provide sugar syrup
			LIVESTOCKS
Livestock	Stage	Disease	Precautionary Practices to be followed
0 0			General be diverted for Poultry/livestock feeding I the clock and water troughs/feeders should be regularly cleaned, • Provide shelter to the backyard/scavenging poultry. Feed grains in the morning/evening to supplement scavenging. • Day old chick-Maintain warmth by lighting,

Pigs	All stages	FMD (high fever and appearance of mucous membrane of the mouth and foot.) Swine Fever	using gunny bags/plastic sheets around the poultry shed during night, • Provide heat by lighting 100W bulb @ 1 bulb per 20 newly born chicks. • Avoid dampness and cover weak and sick animals with sack cloth. • The bedding is always dry and that there is plenty. • If possible wooden sleeping box should be provided. • 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.
Cattle	All stages	FMD	 Animals should be given lukewarm feed and water. Right time to deworm with anti helmetic drugs (particularly Tapeworms) viz. Fento Plus @ 1 tablet per 30 kg body weight. Provide proper bedding materials especially to new-born and lukewarm food & water Provide feed supplements
Fishery			 Application of quick lime is highly recommended in order to rectify water pH. Application of fish feed (mustard oil cake) is essential for achieving higher yield
Mithun Contact Scien	tioto (ICAD) ar	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. or KVK staff for measures against adverse conditions or call

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at 03795-226237/226247

Agrometeorological Field Unit ICAR, BASAR

Agro-met Advisory Bulletin

(Period: 10th to 13th February 2018)

ग्रामीण कृषि मौसम सेवा



GRAMIN KRISHI MAUSAM SEWA

(Integrated Agro-Meteorological Advisory Services)

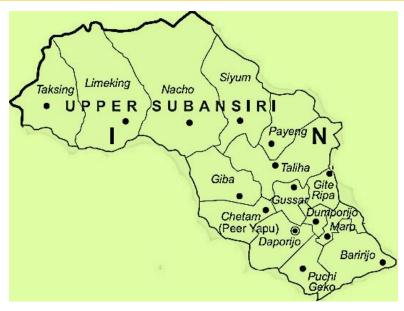


AMFU, ICAR Research Complex for NEH Region Arunachal Pradesh Centre, Basar-791101

District: Upper Subansiri

No: AMFU-Basar/2018/12

Dated: Fri, 9th February, 2018



Weather summery of the previous week	Weather forecast valid up to 14 th February 2018
Daporijo: 15.2 mm (Up to 6 th Feb)	Partly cloudy with possibility of light rainfall. Daily maximum
	and minimum temperature for the following period is predicted to be
	22-23°C and 12-13°C respectively. Expected morning and evening
	relative humidity will be 72-78% and 23-36% respectively.
	Expected wind direction is mainly SE & SSE with speed range of 5
	kmph.
Warning	Rain in few isolated places

Weather Based Agro-meteorological Advisories Bulletin

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

Crop	Stage	Pest/Disease	Precautionary Practices to be followed
			FIELD CROPS
Pea	Vegetative	Powdery mildew/ leaf eating insects	 Avoid/suspend all spray operations and application of fertilizers.
Toria/ Mustard	Vegetative/ Flowering		• Provide proper drainage facilities for the toria grown in the WRC field to protect them against heavy rainfall.
Maize	Vegetative/ Maturity/ Harvesting	Rats	 Prepare field for sowing of crop, Protect the crop against attack of rats using locally available traps, When rat menace has occurred application of multi dose rodenticide like bromadiolone with proper consultation with experts is advised.
D. ()	X7		VEGETABLES
Potato	Vegetative stage/ Harvesting stage	Late blight	 In present weather conditions harvesting of mature crops may be done during sunny days, Regularly monitor against the disease symptoms. Prominent symptoms include small, dark, circular to irregular shaped lesion in the leaves Prophylactic spraying of Mancozeb @ 2 gram per 4 litres of water is advised using stickers in case of rainfall
Cabbage/	Harvesting		Harvest mature crop.
Cauliflower			Constantly monitor against attack of insects pests/mole.
Citrus	N #		ICULTURAL CROPS
	Maturity/ harvesting	Bark eating caterpillar, Trunk borer, Blue & Green mould	 Orange (only if harvesting is over): Go for drenching with Dichlorovos 76 EC@0.05% against trunk-borer on dry days. On clear weather or using sticker, against Blue & Green mould, spray Imazalil 34 WP @ 1g/lit. Prune away the diseased portion of the plant. In case of Bark eating caterpillar, remove the wooden frass present in between the joints of the trunk and inject Dichlorovos (DDVP) 76 EC 0.1 percent @ 5ml in the larval tunnel with the help of disposable syringe and push cotton swab soaked in Dichlorovos solution in the larval tunnel.
Temperate fruits	After harvesting		 Training & pruning of the temperate crops (apple/pears/peach) is recommended
Large Cardamom	Fruiting	Chirkey Disease	 Remove dry/diseased/old tillers & branches & spray Bio NPK@ 2ml/lit water for proper growth using stickers in case of rainfall.
Banana	Bunching	Cold	 Cover newly emerged bunches with locally available sack to protect from cold/frost
Orchards			 Prepare half moon terraces in fruit crops (orange/banana/apple/peach) grown in steep slopes to prevent nutrient loss during heavy downpour. Follow proper drainage and earthing up practices in low land/plain areas to avoid water stagnation in fruit orchards
Honey bees			Honey Bees
Honey bees			Provide sugar syrup near the boxAdd insulation and ventilation systems
			LIVESTOCKS
Livestock	Stage	Disease	Precautionary Practices to be followed
Damaged gra	ain (not fungus co	ntaminated) to be	General e diverted for Poultry/livestock feeding the clock and water troughs/feeders should be regularly cleaned,
Poultry	All stages		 Provide shelter to the backyard/scavenging poultry. Feed grains in the morning/evening to supplement scavenging. 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.
Pigs	All stages	FMD (high fever	Avoid dampness and cover weak and sick animals with

		and appearance of mucous membrane of the mouth and foot.) Swine Fever	 sack cloth. The bedding is always dry and that there is plenty. If possible wooden sleeping box should be provided. 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.
Cattle	All stages	FMD	 Animals should be given lukewarm feed and water. Right time to deworm with anti helmetic drugs (particularly Tapeworms) viz. Fento Plus @ 1 tablet per 30 kg body weight. Provide proper bedding materials especially to new-born and lukewarm food & water Provide feed supplements
Mithun Contact Scien	tists (ICAR) or	O	 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. or KVK staff for measures against adverse conditions or call 3795-226237/226247

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Agrometeorological Field Unit ICAR, BASAR

Agro-met Advisory Bulletin

(Period: 10th to 13th February 2018)

ग्रामीण कृषि मौसम सेवा



GRAMIN KRISHI MAUSAM SEWA

(Integrated Agro-Meteorological Advisory Services)



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

District: West Kameng

No: AMFU-Basar/2018/12

Dated: Fri, 9th February, 2018



Weather summery of the previous week	Weather forecast valid up to 14 th February 2018
Rainfall = Bomdila: 0.0; Bhalukpong: 0.0	Partly cloudy with possibility of no rain. Daily maximum and
mm (Up to 6 th Feb)	minimum temperature for the following period is predicted to be 18-
	19°C and 12-13°C respectively. Expected morning and evening
	relative humidity will be 75-79% and 24-34% respectively. Wind
	direction is mainly WNW & NW with speed range of 5-6 kmph.
Warning:	Moderate to dense fog likely to occur at isolated places

Weather Based Agro-meteorological Advisories Bulletin

General Recommendations

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

Crop	Stage	Pest/Disease	Precautionary Practices to be followed
		1	FIELD CROPS
Maize	Vegetative/ Maturity/ Harvesting	Rats	 Prepare field for sowing of crop, Protect the crop against attack of rats using locally available traps, When rat menace has occurred application of multi dose rodenticide like bromadiolone with proper consultation with
			experts is advised.
			VEGETABLES
Potato	Vegetative stage/	Late blight	In present weather conditions harvesting of mature crops
Totato	Harvesting stage	Late origin	 may be done, Regularly monitor against the disease symptoms. Prominent symptoms include small, dark, circular to irregular shaped lesion in the leaves Prophylactic spraying of Mancozeb @ 2 gram per 4 litres of water is advised using sticker
Cabbage/	Harvesting		Harvest mature crop.
Cauliflower			 Constantly monitor against attack of insects pests/mole.
		HORT	ICULTURAL CROPS
Temperate fruits	After harvesting		 Training & pruning of the temperate crops (apple/pears/peach) is recommended In case of flowering, stop spraying insecticides/pesticides
Banana	Bunching	Cold	 Cover newly emerged bunches with locally available sack to protect from cold/frost
Citrus	Maturity/ harvesting	Fruit Drop Fruit Fly Gummosis	 Harvest the mature fruit with stalk and store in dry places. Collect & dispose rotten fallen fruits/ install fruit-fly traps Dead wood pruning may be done after harvesting of crop followed by spraying of fungicide, Carbendazim @ 1gm/lit of water only during clear day. Breakdown the soil collected around the tree trunk
			Honey Bees
Honey bees			Provide sugar syrup near the boxAdd 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	ing water should i	be ensured round	Keep fish stoking density thin @1200/ha
Poultry	All stages		 Provide shelter to the backyard/scavenging poultry. Feed grains in the morning/evening to supplement scavenging. 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.
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. The bedding is always dry and that there is plenty. If possible wooden sleeping box should be provided. 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.
Cattle	All stages	FMD	 Animals should be given lukewarm feed and water. Right time to deworm with anti helmetic drugs (particularly Tapeworms) viz. Fento Plus @ 1 tablet per 30 kg body weight. Provide proper bedding materials especially to new-born and lukewarm food & water Heavy mortality in cloven footed animals has been reported. Supportive treatment of infected animals under supervision of

		 veterinary department officials, Avoid mixing of infected and healthy animals, Keep infected animals separated from the healthy ones, Vaccinate the healthy animals against FMD (Through State Veterinary Dept.) Provide feed supplements
Mithun	FMD	 Polyvalent FMD vaccine with serotype O, A and Asia at 6 months of age and repeat after that 6 months interval by sub-cutaneous route. Pregnant animals above 7 months of pregnancy should be avoided.
Contact Scien	tists (ICAR) or State Agril St	aff or KVK staff for measures against adverse conditions or call

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Agrometeorological Field Unit ICAR, BASAR

Agro-met Advisory Bulletin

(Period: 10th to 13th February 2018)



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GRAMIN KRISHI MAUSAM SEWA

(Integrated Agro-Meteorological Advisory Services)



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

District: West Siang

No: AMFU-Basar/2018/12

Dated: Fri, 9th February, 2018



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

Weather summery of the previous week	Weather forecast valid up to 14 th February 2018
Basar: Rainfall = 7.2 mm. T. Max: 20.1°C,	Partly cloudy with possibility of moderate rainfall on 10 th Feb.
T. Min: 9.8°C, RH: 67-94%, Wind Speed: 2-	Daily maximum and minimum temperature for the following period
4 kmph, Wind Direction: WS & ESE	is predicted to be 24-25°C and 14-16°C respectively. Expected
	morning and evening relative humidity will be 73-81% and 26-66%
	respectively. Wind direction is mainly W with speed range of 3-6
	kmph.
Warning:	Rain in few isolated places

Weather Based Agro-meteorological Advisories Bulletin

General Recommendations

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

Crop	Stage	Pest/Disease	Precautionary Practices to be followed
			FIELD CROPS
Pea	Vegetative	Powdery mildew/ leaf eating insects	 Avoid/suspend all spray operations and application of fertilizers till 10th Feb. Need based foliar spray of Dinocap (0.2%) or Carbendazim 50WP (0.1%) or Propiconazole (0.1%) using sticker in case of rainfall. On clear weather, spray of Azadirachtin 0.15% EC @ 6ml/lit against leef acting insects.
Toria/ Mustard	Vegetative/ Flowering		 6ml/lit against leaf eating insects Provide proper drainage facilities for the toria grown in the WRC field to protect them against heavy rainfall.
Maize	Vegetative/ Maturity/ Harvesting	Rats	 Prepare field for sowing of crop, Protect the crop against attack of rats using locally available traps, When rat menace has occurred application of multi dose rodenticide like bromadiolone with proper consultation with experts is advised.
			VEGETABLES
Cabbage/	Vegetative stage/ Harvesting stage Harvesting	Late blight	 In present weather conditions harvesting of mature crops may be done during sunny days, Regularly monitor against the disease symptoms. Prominent symptoms include small, dark, circular to irregular shaped lesion in the leaves Prophylactic spraying of Mancozeb @ 2 gram per 4 litres of water is advised using stickers in case of rainfall. Harvest mature crop.
Cauliflower			 Constantly monitor against attack of insects pests/mole.
Ginger/ Turmeric	Maturity		 Harvest the mature crop, Cure should be taken while harvest so that the rhizome is not damaged,
		HORT	ICULTURAL CROPS
Citrus	Maturity/ harvesting	Bark eating caterpillar, Trunk borer, Blue & Green mould	 Orange (only if harvesting is over): Go for drenching with Dichlorovos 76 EC@0.05% against trunk-borer on dry days. On clear weather or using sticker, against Blue & Green mould, spray Imazalil 34 WP @ 1g/lit. Prune away the diseased portion of the plant. In case of Bark eating caterpillar, remove the wooden frass present in between the joints of the trunk and inject Dichlorovos (DDVP) 76 EC 0.1 percent @ 5ml in the larval tunnel with the help of disposable syringe and push cotton swab soaked in Dichlorovos solution in the larval tunnel.
Pineapple	Harvesting		After winter harvest, collection/Selection of suckers & slip to be done for next season planting
Temperate fruits	After harvesting		 Training & pruning of the temperate crops (apple/pears/peach) is recommended In case of flowering, stop spraying insecticides/pesticides
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.
			11 000 111,011 0 111 0 111 1111
Large Cardamom	Fruiting	Chirkey Disease	 Remove dry/diseased/old tillers & branches & spray Bio NPK@ 2ml/lit water for proper growth using stickers in case of rainfall.
Large Cardamom	Fruiting	Chirkey Disease	 Remove dry/diseased/old tillers & branches & spray Bio NPK@ 2ml/lit water for proper growth using stickers in case of rainfall. Honey Bees
Ü	Fruiting	Chirkey Disease	 Remove dry/diseased/old tillers & branches & spray Bio NPK@ 2ml/lit water for proper growth using stickers in case of rainfall. Honey Bees Cover the boxes with locally available dry grass or straw to provide warmt
Honey bees			 Remove dry/diseased/old tillers & branches & spray Bio NPK@ 2ml/lit water for proper growth using stickers in case of rainfall. Honey Bees Cover the boxes with locally available dry grass or straw to provide warmt LIVESTOCKS
Large Cardamom Honey bees Livestock	Fruiting Stage	Chirkey Disease Disease	 Remove dry/diseased/old tillers & branches & spray Bio NPK@ 2ml/lit water for proper growth using stickers in case of rainfall. Honey Bees Cover the boxes with locally available dry grass or straw to provide warmt
Honey bees Livestock Damaged gr	Stage ain (not fungus co	Disease Ontaminated) to b	Remove dry/diseased/old tillers & branches & spray Bio NPK@ 2ml/lit water for proper growth using stickers in case of rainfall. Honey Bees Cover the boxes with locally available dry grass or straw to provide warmt LIVESTOCKS Precautionary Practices to be followed

			 grains in the morning/evening to supplement scavenging. 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.
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. The bedding is always dry and that there is plenty. If possible wooden sleeping box should be provided. 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.
Cattle	All stages	FMD	 Animals should be given lukewarm feed and water. Right time to deworm with anti helmetic drugs (particularly Tapeworms) viz. Fento Plus @ 1 tablet per 30 kg body weight. Provide proper bedding materials especially to new-born and lukewarm food & water Provide feed supplements
Mithun	ticta (ICAB)	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. or KVK staff for measures against adverse conditions or call

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